

**COURT OF APPEAL OF ALBERTA**

COURT OF APPEAL FILE NUMBER: APPEAL NO.: 2501-0324AC

TRIAL COURT FILE NUMBER: 2401-05179

REGISTRY OFFICE: CALGARY



IN THE MATTER OF THE *COMPANIES'*  
*CREDITORS ARRANGEMENT ACT*, R.S.C. 1985,  
 c. C-36, as amended

AND IN THE MATTER OF A PLAN OF  
 COMPROMISE OR ARRANGEMENT OF  
 ALPHABOW ENERGY LTD

DOCUMENT:

**COMPENDIUM OF EVIDENCE OF**  
**ALPHABOW ENERGY LTD.**

**VOLUME 1 OF 1**

ADDRESS FOR SERVICE AND  
 CONTACT INFORMATION OF  
 PARTY FILING THIS DOCUMENT:

**BENNETT JONES LLP**  
 Barristers and Solicitors  
 4500, 855 – 2nd Street SW  
 Calgary, Alberta, T2P 4K7  
 Attention: Keely Cameron/Michael Selnes/Sophie  
 Fiddes  
 Telephone No.: (403) 298-3324/3311/3092  
 Client File No.: 088232.6

And

CONTACT INFORMATION FOR ALL  
 OTHER PARTIES:

**MILLER THOMSON LLP**  
 Counsel for the Alberta Energy Regulator  
 Eighth Avenue Place  
 525-8th Avenue S.W, East 43rd Floor  
 Calgary, AB T2P 1G1  
 Attn: James W. Reid and Dakota Bailey  
 Phone: (403) 298-2418 / (780) 429-9777  
 Email: jwreid@millerthomson.com/  
 dbailey@millerthomson.com

**COMPENDIUM OF DOCUMENTS**

- A. Application of AlphaBow Energy Ltd., filed September 15, 2025
- B. Reasons for Decision in *AlphaBow Energy Ltd.(Re)*, 2025 ABKB 662
- C. Transcript of Proceedings before the Honourable Justice Borque, September 22, 2025
- D. Twelfth Affidavit of Ben Li sworn, September 15, 2025
- E. Affidavit of Trevor Gosselin, affirmed September 18, 2025
- F. Eleventh Report of the Monitor, filed September 18, 2025
- G. Amended and Restated Initial Order, granted on April 26, 2024
- H. Reverse Vesting Order, granted on December 19, 2024
- I. Order (Sale Approval and Vesting), granted on December 19, 2024

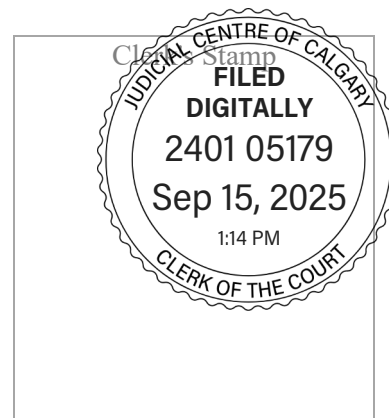


**FORM 7**  
[Rule 3.8]

COURT FILE NO. 2401-05179

COURT COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE CALGARY



PROCEEDING IN THE MATTER OF THE *COMPANIES' CREDITORS ARRANGEMENT ACT*, R.S.C. 1985, c. C-36, as amended

AND IN THE MATTER OF THE COMPROMISE OR ARRANGEMENT OF ALPHABOW ENERGY LTD.

DOCUMENT **APPLICATION (STAY EXTENSION AND STAY OF REGULATORY ACTION)**

ADDRESS FOR SERVICE AND CONTACT INFORMATION OF PARTY FILING THIS DOCUMENT

**BENNETT JONES LLP**  
Barristers and Solicitors  
4500 Bankers Hall East  
855 – 2 Street SW  
Calgary, Alberta T2P 4K7

Attention: Keely Cameron/Sophie Fiddes  
Telephone No.: 403-298-3324/3092  
Fax No.: 403-265-7219  
Client File No.: 88323.6

**NOTICE TO RESPONDENTS:**

This application is made against you. You are a respondent.

You have the right to state your side of this matter before the judge.

To do so, you must be in Court when the application is heard as shown below:

Date: Monday, September 22, 2025  
Time: 2:00 p.m.

Where: Calgary Law Courts, by Webex  
<https://albertacourts.webex.com/meet/virtual.courtroom60>  
Before: The Honourable Justice M. H. Bourque

Go to the end of this document to see what you can do and when you must do it.

**Remedy claimed or sought:**

1. AlphaBow Energy Ltd. (the "**Applicant**" or "**AlphaBow**") seeks the following relief under the *Companies' Creditors Arrangement Act*, R.S.C. 1985, c. C-36 ("**CCAA**") as amended:
  - (a) An order substantially in the form attached hereto as **Schedule "A"**:
    - (i) declaring that service of this Application and its supporting materials is good and sufficient, and if necessary, abridging time for notice of the Application to the time actually given;
    - (ii) an extension of the stay of proceedings imposed by the Amended and Restated Initial Order (the "**ARIO**") granted by the Court on May 8, 2025, from September 30, 2025 to March 31, 2026, or such other date this Honourable Court may order (the "**Stay Extension**");
    - (iii) a declaration that any request by the Alberta Energy Regulator ("**AER**") for a security deposit from AlphaBow is stayed and the failure by AlphaBow to pay security cannot be relied upon for the purposes of considering whether to approve a license transfer application.
2. Such further and other relief as counsel may advise and this Honourable Court may permit.

**Grounds for making this application:**

**A. General**

3. AlphaBow is a privately-owned company in the business of acquisition, development and production of oil and natural gas in Alberta. AlphaBow is incorporated and registered

pursuant to the laws of the Province of Alberta, with headquarters located in Calgary, Alberta.

4. At the commencement of these proceedings, AlphaBow held licenses issued by the AER to operate 3,785 wells, 4,038 pipelines and 321 facilities across Alberta (the "**Licensed Assets**").
5. Over the last year and a half, AlphaBow has with the assistance of the Monitor advanced a sales process which resulted in approximately 20 transactions being approved by the Court, which collectively provide for the assumption of all of AlphaBow's environmental obligations.
6. To date, the AER has approved license transfer applications involving the following counterparties: North40 Resources Ltd., Singalta Resources Limited, Resistance Energy Ltd., Ember Resources Inc., Tykewest Limited, Lucky Strike Energy Ltd. and Response Energy Corporation.
7. The AER did not request security from AlphaBow in respect of any of these transactions.
8. On July 10, 2025, the AER issued a conditional approval decision of Cascade Capture Ltd.'s ("**Cascade**") March 4, 2025, license transfer application for the transfer of 196 wells, 23 facilities and 72 pipeline licenses from AlphaBow to Cascade, as a nominee for 2628069 (the "**License Transfer Application**"). The License Transfer Application required AlphaBow to post security in the amount of \$20,551,822.60 as a condition of transfer (the "**Conditional Approval Decision**").
9. AlphaBow is insolvent and does not have the funds to post the required security. The transfer application was closed and AlphaBow's Regulatory Applications Branch is taking the position that AlphaBow's request to regulatory appeal the decision be denied.
10. AlphaBow has three remaining transfer applications to submit to the AER. Each of the transactions are set to expire at the end of this month unless extended.

11. The current stay of proceedings is also set to expire at the end of the month, unless extended by further order from this Honourable Court.

**The AER's Request for Security is Stayed or Should be Stayed**

12. AlphaBow requires certainty as to next steps and asks this court for a declaration that the AER is not entitled to enforce a security deposit request in respect of AlphaBow.
13. A request for security by the AER results in the creation of a debt to the AER secured by way of a statutory lien.
14. Pursuant to paragraph 17 of the Amended and Restated initial Order, no party is permitted to exercise rights or remedies against AlphaBow, without leave of the court, subject to certain exceptions which do not apply here.
15. Not only is the request for security contrary to the stay provided for in the Amended and Restated Initial Order, but even if this court found the request for security as part of a transfer decision was a regulatory obligation, the Court has the authority to stay such a requirement under section 11.1(3) of the CCAA.
16. As the request for security is contrary to the purposes of the CCAA and risk frustrating these proceedings and causing over \$200 million in environmental liabilities remaining with the Orphan Well Association, the Court should grant the declaration sought.

**Extension of the Stay Period**

17. Further time is required as AlphaBow has yet to close all of the court approved transactions and will be unable to do so until after the foregoing issue with the AER is resolved.
18. AlphaBow has acted, and continues to act, in good faith and with due diligence.
19. The proposed extension will not materially prejudice any of AlphaBow's creditors, and it is just, convenient and in the best interest of AlphaBow and its stakeholders that AlphaBow be afforded an extension of the Stay Period so it can conclude these proceedings.
20. Such further and other grounds as AlphaBow may advise and this Court may accept.

**Material or evidence to be relied on:**

21. The Eleventh Affidavit of Ben Li sworn on September 15, 2025, filed;
22. The Amended and Restated CCAA Initial Order granted on April 26, 2024;
23. The Stay Extension Order granted on May 8, 2025;
24. The Eleventh Report of the Monitor, to be filed; and
25. Such further and other materials as counsel for the Proposed Monitor or Company may advise and this Honourable Court may permit.

**Applicable rules:**

26. *Alberta Rules of Court*, AR 124/2010.

**Applicable Acts and regulations:**

27. The *Companies' Creditors Arrangement Act*, RSC 1985, c C-36, as amended;
28. The *Oil and Gas Conservation Act*, RSA 2000, c O-6, as amended; and
29. Such further and other Acts or regulations as counsel may advise and this Honourable Court may permit.

**Any irregularity complained of or objection relied on:**

30. None.

**How the application is proposed to be heard or considered:**

31. By Webex videoconference.

**WARNING**

If you do not come to Court either in person or by your lawyer, the Court may give the applicant what they want in your absence. You will be bound by any order that the Court makes. If you want to take part in this application, you or your lawyer must attend in Court on the date and at the time shown at the beginning of the form. If you intend to give evidence in response to the application, you must reply by filing an affidavit or other evidence with the Court and serving a copy of that affidavit or other evidence on the applicant a reasonable time before the application is to be heard or considered.

**Schedule "A"**

COURT FILE NO. 2401-05179

COURT COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE CALGARY

Clerk's Stamp

IN THE MATTER OF THE *COMPANIES' CREDITORS ARRANGEMENT ACT*, R.S.C. 1985, c. C-36, as amended

AND IN THE MATTER OF A PLAN OF COMPROMISE OR ARRANGEMENT OF ALPHABOW ENERGY LTD.

DOCUMENT **ORDER (STAY EXTENSION AND STAY OF REGULATORY ACTION)**

ADDRESS FOR SERVICE AND CONTACT INFORMATION OF PARTY FILING THIS DOCUMENT: **BENNETT JONES LLP**  
 Barristers and Solicitors  
 4500, 855 – 2nd Street S.W.  
 Calgary, Alberta T2P 4K7  
 Attention: Keely Cameron/Sophie Fiddes  
 Telephone No.: 403-298-3324/3092  
 Fax No.: 403-265-7219  
 Client File No.: 88323.6

**DATE ON WHICH ORDER WAS** September 22, 2025

**PRONOUNCED:**

**NAME OF JUDGE WHO MADE THIS** Justice M. H. Bourque

**ORDER:**

**LOCATION OF HEARING:** Calgary Law Courts, via Webex

**UPON** the application of AlphaBow Energy Ltd. (the "**Applicant**" or "**AlphaBow**"); **AND UPON** having read the Application; the Eleventh Affidavit of Ben Li sworn on September 15, 2025; and the Eleventh Report of the Monitor; **AND UPON** hearing from counsel for the Applicant, the Monitor, and any other interested parties appearing at the application;



**IT IS HEREBY ORDERED AND DECLARED THAT:**

1. The time for service of the notice of application for this order (the "**Order**") and supporting materials are deemed good and sufficient and this application is properly returnable today.

**STAY EXTENSION**

2. The Stay Period (as defined in the ARIO) is hereby extended to and including March 31, 2026.

**STAY OF REGULATORY ACTION**

3. The Alberta Energy Regulator is stayed during the Stay Period, as may be extended, from requesting a security deposit from AlphaBow or refusing to transfer licenses, permits or approvals based on the failure of AlphaBow to pay security.

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Justice of the Court of King's Bench of Alberta

# Court of King's Bench of Alberta

**Citation: AlphaBow Energy Ltd. (Re), 2025 ABKB 622**



**Date:**  
**Docket:** 2401 05179  
**Registry:** Calgary

In the Matter of the *Companies' Creditors Arrangement Act*, RSC 1985, c C-36, as amended  
And in the matter of the compromise or arrangement of AlphaBow Energy Ltd.

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## Reasons for Decision of the Honourable Justice M.H. Bourque

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[1] AlphaBow Energy Ltd. (**AlphaBow**) seeks a declaration that any future request of the Alberta Energy Regulator (**AER**) requiring AlphaBow to provide a security deposit is stayed so long as these proceedings are ongoing. For the reasons set forth below, AlphaBow's application is dismissed.

### **I. Context**

[2] AlphaBow is a private energy company that was in the business of acquiring, developing and producing oil and natural gas in Alberta.

[3] The AER is a corporation established by the *Responsible Energy Development Act*, SA 2012, c R-17.3 and is the sole regulator of oil and gas activities in Alberta.

[4] AlphaBow has been on the AER's radar screen since at least 2019, when the AER became concerned with AlphaBow's continued failure to meet its regulatory obligations. After depleting its arsenal of less intrusive compliance measures in 2022, the AER limited AlphaBow's ability to acquire new licenses.

[5] In March 2023, the AER issued an order requiring AlphaBow to submit a Reasonable Care and Measures Plan covering a range of operational matters, an abandonment plan for all mineral lease expired wells, updated information, including proof of insurance and financial information, and to post security of \$15,374,050 (then representing 10% of its then inactive license liability). Because AlphaBow failed to comply with the March 2023 Order, the AER

issued a Suspension Order in June 2023, suspending AlphaBow's licenses and sites, as a temporary measure, until AlphaBow could comply with the March 2023 order and submit an acceptable plan to reactivate its sites safely. On February 28, 2024, the AER dismissed AlphaBow's appeals and confirmed both orders.

[6] In the meantime, on September 6, 2023, the AER directed the Orphan Well Association (OWA) to provide reasonable care and measures of AlphaBow's licenses and sites and to suspend all of its sites. AlphaBow did not appeal this order. As of September 18, 2025 (the hearing date, and presumably as of today's date), all AlphaBow sites remain suspended and under the safe care and custody of the OWA.

[7] On March 28, 2024, one month after the AER confirmed the March 2023 and June 2023 orders, AlphaBow filed a Notice of Intention to Make a Proposal. Then, on April 26, 2024, those proceedings were continued under the *Companies' Creditors Arrangement Act*, RSC 1985, c C-36 (CCAA) and a sale and investment solicitation process order was granted. Between that time and December 19, 2024, several sale transactions have been approved.

[8] On December 19, 2024, Justice Jeffrey granted AlphaBow's applications for approval and vesting orders, with respect to several transactions, including sale agreements between AlphaBow and 2628071 Alberta Ltd. (**071 AB**) and between AlphaBow and 2628069 Alberta Ltd. (**069 AB**). Justice Jeffrey also granted an approval and reverse vesting order (**RVO**), approving the transfer of all of the common shares of AlphaBow to 2628071 (**Corporate Transaction**) pursuant to an Amended and Restated Subscription Agreement dated December 16, 2024 (**Subscription Agreement**).

[9] In its Sixth Report, the Monitor, KSV Advisory Inc., describes the Corporate Transactions as "a sale involving a significant number of assets and assumed environmental liabilities to 071 AB (**RVO Transaction**), with certain assets being transferred by way of an asset sale to an affiliated party, 069 AB. As a result, the RVO Transaction is comprised of several separate transactions: a) the Subscription Agreement; and b) the Related Asset Transactions."

[10] Pursuant to the Subscription Agreement, the Transferred Assets and the Transferred Liabilities (as those terms are defined in the Subscription Agreement) will be transferred to the AlphaBow Energy Residual Trust, for the benefit of AlphaBow's creditors, after which the Corporate Transaction will close. The Related Asset Transactions are those outlined in Asset Purchase and Sale Agreements between AlphaBow and 069 AB (**069 Transaction**) and between AlphaBow and 071 AB (**071 Transaction**). The Monitor explains that closing of the 069 Transaction and the 071 Transaction are conditions of the RVO Transaction.

[11] On March 4, 2025, the AER received a license transfer application from AlphaBow to Cascade Capture Ltd. (**Cascade**). Cascade is the nominee purchaser in respect of the 069 and 071 Transactions.

[12] On July 10, 2025, the AER conditionally approved the license transfer applications (**Conditional Approval Decision**). The approval conditions are set out in two letters, including the condition for the payment of security. In the first letter, the AER requires Cascade to pay security of \$4,930,964.60 within 30 calendar days of acceptance of the condition; in the second letter, the AER requires AlphaBow to pay security of \$20,551,822.60 within 30 calendar days.

[13] The AER's affiant in this application explains that "AlphaBow was required to post security [in that amount] representing only 10% of its estimated inactive liability calculated applying regional liability estimates set out in Directive 011 of \$205,518,226". The AER's affiant further explained that "following the proposed License Transfer Application and Related Asset Transactions, AlphaBow will be left with over 3000 inactive wells, of which only 184 are economically viable if reactivated." Regarding post-RVO AlphaBow, the AER affiant acknowledges the parties' intention "to have the company re-emerge as a going concern. However, the income from the remaining licensed assets, if reactivated, would be markedly insufficient to meet AlphaBow's ongoing environmental obligations."

[14] On July 14, 2025, AlphaBow's counsel wrote to the AER requesting that the AER rescind the Conditional Approval Decision and schedule a meeting with AlphaBow and the Monitor as soon as possible. On July 16, 2025, the AER responded that "application decisions are final and the amount of security ... calculated ... will not be negotiated or adjusted". On July 17, 2025, Cascade wrote to the AER advising that it was withdrawing the license transfer application "effective immediately".

[15] Despite Cascade's withdrawal, on August 8, 2025, AlphaBow's counsel requested a regulatory appeal of the Conditional Approval Decision (**Regulatory Appeal Request**) by submitting a letter to the Regulatory Appeal Coordinator, Law Branch at the AER. Although the Monitor indicated in the Eleventh Report that the regulatory appeal was "declared invalid by the AER", the AER affiant avers that the decision on the Regulatory Appeal Request is pending and that a decision is expected before January 16, 2026. However, he acknowledges that given Cascade's withdrawal of the transfer application, "the Regulatory Appeal Request may not matter, since there is no underlying license transfer application before the AER".

[16] In its application, AlphaBow seeks the following relief:

A declaration that *any* request by the AER for a security deposit from AlphaBow is stayed and the failure by AlphaBow to pay security cannot be relied upon for the purposes of considering whether to approve a license transfer application.

[emphasis added]

[17] AlphaBow's written brief and oral submissions focused exclusively on the first part of the relief sought, and it made no submissions regarding the latter part of the relief sought that "the failure by AlphaBow to pay security cannot be relied upon for the purposes of considering whether to approve a license transfer application."

[18] AlphaBow advances two arguments in support of its application. First, AlphaBow argues that the request for a security deposit is contrary to the stay in the Amended and Restated Initial Order (**ARIO**). Alternatively, if the request for a security deposit is a regulatory action, AlphaBow argues that the Court should stay any such request pursuant to subsection 11.1(2) of the CCAA.

## II. Analysis

### A. Statutory Framework

[19] Section 11.02 of the CCAA is the authority upon which either the initial 10-day or subsequent stay of proceedings, such as in the ARIO, is granted (**CCAA Stay of Proceedings**).

Subsection 11.1(2) provides that a CCAA Stay of Proceedings does not apply to the actions of a regulatory body (**Regulatory Exception**), except if the action relates to the enforcement of a payment ordered by the regulatory body. If there is “a dispute as to whether a regulatory body is seeking to enforce its rights as a creditor”, subsection 11.1(4) provides a mechanism for judicial determination of the question.

[20] If a regulatory body is not seeking to enforce its rights as a creditor, a regulatory action may nonetheless be subject to the CCAA Stay of Proceedings but only if the Court is satisfied that: (a) a viable compromise or arrangement could not be made unless the CCAA Stay of Proceedings was enforced against the regulatory action; and (b) it would not be contrary to the public interest that the regulatory body be subject to the CCAA Stay of Proceedings.

[21] There is no dispute that the AER is a regulatory body within the meaning of section 11.1(1) of the CCAA.

**B. Is the AER request for a security deposit stayed by the ARIO?**

[22] In its brief, AlphaBow characterizes the AER’s action as follows:

By refusing to transfer licenses until and unless AlphaBow pays money, the AER is in violation of [paragraph 17 of the ARIO] and section 11.1 of the CCAA, as it is seeking to enforce a monetary obligation.

[23] In my view, the AER’s requirement that AlphaBow make a security deposit as a condition for the transfer of AlphaBow’s licenses is not properly characterized as the enforcement of the AER’s rights as a creditor. AlphaBow’s argument is flawed as it conflates the enforcement by a regulatory body of a monetary obligation *simpliciter* with the enforcement by a regulatory body of rights *as a creditor*.

[24] In any event, what the AER seeks to enforce is a monetary payment condition imposed on a discretionary license transfer approval, calculated as a percentage of AlphaBow’s end-of-life obligations. The Supreme Court and the Court of Appeal have characterized payments of this nature as public duties owed, not to a creditor, but to “fellow citizens”. They are not “provable claims”. (*Orphan Well Association v Grant Thornton Ltd*, 2019 SCC 5 (*Redwater*), at 135; see also: *Panamericana de Bienes y Servicios S.A. v Northern Badger Oil & Gas Ltd*, 1991 ABCA 181 at 33).

[25] I am also not persuaded by AlphaBow’s argument that changes to the AER’s statutory and regulatory framework make *Redwater* distinguishable. AlphaBow points to the 2020 amendments of section 103 of the *Oil and Gas Conservation Act*, RSA 2000 c O-6 (**OGCA**). According to AlphaBow:

Since the issuance of *Redwater*, the AER [*sic*] has amended its legislation to expand its statutory lien to capture requests by the AER for security.

The effect of the security deposit requirement is to not only create a debt but also priority for the AER that did not previously exist. This is contrary to the stay of proceedings, which is intended to maintain the status quo amongst creditors.

[26] Section 103 of the OGCA is nothing more than an enforcement mechanism that creates a statutory lien in favour of the AER for unpaid “costs, levy, fee, penalty, deposit or other form of security or other amount”. All that the legislature accomplished with the 2020 amendments was to add the words “deposit or other form of security” to the scope of the statutory lien: *Liabilities*

*Management Statutes Amendment Act, 2020*, SA 2020 c 4. Any such lien burdens the “debtor’s” property, including wells, facilities and pipelines, land or interests in land, equipment and petroleum substances, and the lien “has priority over all other liens, charges, rights of set-off, mortgages and other security interests” (*OGCA*, s 103(2)). The defined term “debtor” in subsection 103(1) is used “in this section” to mean the person indebted to the AER. That the legislature has defined the indebted party as a “debtor” does not transform the underlying unpaid amounts or obligation in question, whether costs, levy, fees, penalty, deposit or other form of security, into a debt for all purposes.

[27] While I accept that the purpose of a CCAA Stay of Proceedings may be to maintain the *status quo* among creditors, here, the AER’s action of requiring a security deposit arises because of its statutory mandate to enforce AlphaBow’s public duties, not as a creditor. As in *Redwater*, the AER is acting in a *bona fide* regulatory capacity and does not stand to benefit financially. That the effect of the AER’s enforcement actions is to prioritize AlphaBow’s end-of-life obligations over the rights of its creditors does not alter the priority scheme among AlphaBow’s creditors (*Redwater*, paras 122, 131, 159).

[28] For these reasons, the AER’s request for a security deposit in the exercise of its regulatory mandate to enforce AlphaBow’s public duties does not constitute the enforcement of the AER’s rights as a creditor.

**C. Should the CCAA Stay of Proceedings apply to the AER’s Request for a Security Deposit?**

[29] As I noted earlier, AlphaBow also applies, pursuant to subsection 11.1(3) of the CCAA, for an order staying the Regulatory Exception in respect of the requested security deposit. To be successful, AlphaBow must persuade me that the two statutory preconditions are met, namely that a viable compromise or arrangement could not be made if the Regulatory Exception to the CCAA Stay of Proceedings were to apply, and that it is not contrary to the public interest that the AER be affected by the CCAA Stay of Proceedings.

[30] The essence of AlphaBow’s position is set out in paragraphs 23 and 24 of its brief:

23. As with the forgoing cases, a stay is necessary as the harm will be amplified rather than avoided if the AER is permitted to require AlphaBow to post security. Requiring the payment of security will:

- (a) either frustrate AlphaBow’s restructuring efforts should the AER continue to request security in amounts that AlphaBow is unable to pay, preventing over \$200 million in environmental liabilities from leaving the OWA and resuming production for the benefit of Alberta; or
- (b) Result in a reordering of priorities through enabling the AER to scoop funds that would otherwise be distributable to AlphaBow’s creditors, resulting in a windfall for AlphaBow’s purchaser who would ultimately be the beneficiary of any security posted which would be held in AlphaBow’s name.

24. A stay in these circumstances is not contrary to the public interest, but rather will enhance it, through enabling the transfer applications to proceed, so that

assets can be moved out of the OWA and resume production – creating jobs and providing for revenue to pay associated obligations.

[31] In support of the proposition in paragraph 23, AlphaBow relies on several cases. In my view, the facts and circumstances of those cases are distinguishable from those present here and do not assist AlphaBow.

[32] In staying the Regulatory Exception during the initial 10-day CCAA Stay of Proceedings in *Re Just Energy Corp*, 2021 ONSC 1793, Koehnen J noted the emergent and possibly temporary state of affairs leading to the stayed regulatory action (at para 82): “it would appear to me to be unjust to take regulatory steps that might shut down [an] entire business when the financial concerns that prompt those steps may turn out to be unjustified”, and that “it may be appropriate for regulators to consider whether Just Energy should be shut down because of a temporary liquidity crisis and whether Just Energy should be given a window of opportunity to work out its liquidity crunch”, concluding that “it strikes me, however, that the circumstances of this case warrant at least a 10 day period to allow all parties to assess the issue with the benefit of more reflection than the instant application of a regulatory policy may afford”.

[33] Moreover, given the possibility that the regulator might cancel or suspend the debtor company’s licenses before the hearing of the initial application, Koehnen J stayed the Regulatory Exception even though the regulators had not been served. The Court noted the potential for (at para 86) “substantial disruption to the marketplace as a whole and to Just Energy in particular” if the regulators were permitted to cancel or suspend the debtor company’s license to operate, including the possible termination of upstream power supply contracts or the loss of retail customers.

[34] In *BZAM Ltd. Plan of Arrangement*, 2024 ONSC 1645, a CCAA proceeding involving companies operating in the cannabis industry, Osborne J notes that (at para 49): “[the] cannabis licences of the Applicants are among their most valuable assets. Just as importantly, they are required to permit the Applicants to continue operating their underlying business. The expiry or cancellation of licences will suspend or terminate completely the operation and delivery of products by the Applicants with the result that the ability of the applicants to restructure or continue as a going concern business will in all probability be eliminated.”

[35] Similarly, in the matter of an initial CCAA Stay of Proceedings involving *Abbey Resources Corp* (13 August 2021), Saskatoon QBG 733 of 2021 (SKQB), though the debtor corporation initially did not seek a stay of the Regulatory Exception, it did so (at para 77) “when the Minister advised that it would be issuing orders for Abbey to cease operations if it did not deposit the security for potential decommissioning liabilities within 14 days.” In granting the stay, Meschishnick J noted that the impugned regulatory actions had (at para 79) “no element of protection of the public, property or the environment associated with those actions”.

[36] In AlphaBow’s case, the AER’s actions are not the result of an emergent issue or a possibly temporary liquidity crisis: AlphaBow is 19 months deep into insolvency and restructuring proceedings. Nor has the AER indicated any intent to cancel AlphaBow’s license to operate. Indeed, AlphaBow’s licenses and sites have been in the care of the OWA for over two years. In none of the cases cited by AlphaBow did the Court stay the Regulatory Exception beyond the initial 10-day period.

[37] In my view, staying the Regulatory Exception in this case benefits only the parties to the 069 and 071 Transactions and allows for the successful completion of the RVO Transaction, and presumably, AlphaBow's subsequent exit from the CCAA proceedings. While that result might technically qualify as a viable arrangement or compromise, it nonetheless leaves a post-CCAA AlphaBow with over 3,000 inactive wells, of which only 184 are economically viable if reactivated, the income of which "would be markedly insufficient to meet AlphaBow's ongoing environmental obligations".

[38] Even if the Regulatory Exception were stayed during the currency of these CCAA proceedings, upon exiting, AlphaBow will no longer benefit from a stay of proceedings, and, as AlphaBow's counsel acknowledged, it will have no money to satisfy the AER's security deposit requirements. Post-CCAA AlphaBow will fail. It will not resume production. It will not create any jobs. It will not generate any revenue to pay its associated end-of-life obligations. AlphaBow's remaining inactive wells will end up right back with the OWA.


[39] For these reasons, AlphaBow has not persuaded me that the statutory pre-conditions in subsection 11.1(3) have been satisfied, and I decline to stay the Regulatory Exception. Even if AlphaBow had met the statutory pre-conditions, I would not have granted the *carte blanche* relief sought to stay *any* future security deposit request made by the AER. To do so would improperly fetter the Court's supervisory role in insolvency proceedings.

### III. Disposition

[40] AlphaBow's application is dismissed.

Heard on September 22, 2025.

**Dated** at Calgary, Alberta, on October 29, 2025.

  
M.H. Bourque  
J.C.K.B.A.

### Appearances:

Keely Cameron and Sophie Fiddes, Bennett Jones LLP,  
for AlphaBow Energy Ltd.

James W. Reid and Dakota Bailey, Miller Thomson LLP, and Maria Lavelle  
for the Alberta Energy Regulator

Jeffrey Oliver, Cassels, Brock & Blackwell LLP  
for the Monitor, KSV Restructuring Inc.

Ryan Zahara, MLT Aikins LLP  
for the Orphan Well Association



Emily Paplawski, Osler, Hoskin & Harcourt LLP  
for Canadian Natural Resources Limited

Michael Swanberg, Reynolds Mirth Richards & Farmer LLP  
for Red Deer County and Municipal District of Greenview

Greg Plester, Brownlee LLP  
for Flagstaff County, Lamont County, Starland County, County of Stettler No. 6, County  
of Warner No. 5, Municipal District of Provost, Ponoka County, County of Paintearth  
No. 18

IN THE COURT OF KING'S BENCH OF ALBERTA  
JUDICIAL CENTRE OF CALGARY

IN THE MATTER OF THE COMPANIES' CREDITORS  
ARRANGEMENT ACT, R.S.C. 1985, c. C-36, as amended

AND IN THE MATTER OF A PLAN OF COMPROMISE  
OR ARRANGEMENT OF ALPHABOW ENERGY LTD.

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P R O C E E D I N G S

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Calgary, Alberta  
September 22, 2025

Transcript Management Services  
Suite 1901-N, 601-5th Street SW  
Calgary, Alberta, T2P 5P7  
Phone: (403) 297-7392  
Email: TMS.Calgary@just.gov.ab.ca

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1 Proceedings taken in the Court of King's Bench of Alberta, Courthouse, Calgary, Alberta

2

3

4 September 22, 2025

Afternoon Session

5

6 The Honourable Justice M.H. Bourque

Court of King's Bench of Alberta

7

8 K. Cameron

For AlphaBow Energy Ltd.

9 S. Fiddes

For AlphaBow Energy Ltd.

10 J. Reid

For the Alberta Energy Regulator

11 M. Lavelle

For the Alberta Energy Regulator

12 I. Hunt

For the Alberta Energy Regulator

13 (Student-at-Law)

14 M. Swanberg (remote appearance)

For Red Deer County and the MD of Greenview

15 J. Oliver (remote appearance)

For the Monitor

16 A. Basi (remote appearance)

For the Monitor

17 R. Zahara (remote appearance)

For the Orphan Well Association

18 J. MacKinnon (remote appearance)

For 2661707 Alberta Ltd.

19 T. Cones (remote appearance)

For the Minister of National Revenue

20 L. Falkenberg Walsh (remote appearance)

For Indian Head Oil and Gas Canada

21 E. Paplawski (remote appearance)

For Canadian Natural Resources Ltd.

22 D. Bailey (remote appearance)

For the Alberta Energy Regulator

23 G. Plester (remote appearance)

For Flagstaff County, Lamont County, Starland

24

County, County of Settler No. 6, County of

25

Warner No. 5, Municipal District of Provost,

26

Ponoka County, and County of Paintearth No. 18

27 S. Durant

Court Clerk

28

29

30 THE COURT:

Good afternoon. You may be seated. Okay. So,

31 we are here for the application of AlphaBow Energy. I see Ms. Cameron and Mr. Reid. I

32 am not sure who everyone else is, but perhaps you could introduce the parties.

33

34 MS. CAMERON:

Thank you, Justice. For the record, Keely

35 Cameron, from Bennett Jones, counsel for the applicant, AlphaBow Energy Ltd. To my

36 left is my colleague, Sophie Fiddes. She will be making submissions on the uncontested

37 portion of our application today.

38

39 THE COURT:

Okay.

40

41 MS. CAMERON:

To my right is James Reid, from Miller

1 Thompson. He is outside counsel for the Alberta Energy Regulator with respect to this  
2 application. Behind him is internal legal counsel for the Alberta Energy Regulator, Maria  
3 Lavelle, and with her is the AER's law student, Isabelle Hunt. In the back of the room are  
4 representatives from two of the purchasers of AlphaBow's assets from the company as I  
5 will refer to as 0-6-9 and 0-7-1. With regard to the attendees who are here virtually, there  
6 is only two I have been able to identify. First is Jeffrey Oliver who is counsel for KSV  
7 Restructuring Inc. He is from the Cassels Brock & Blackwell firm, and KSV Restructuring  
8 is, of course, the court-appointment Monitor in these proceedings. Also in attendance, I  
9 saw on the screen is Michael Swanberg, from Reynolds, Mirth, Richard & Farmer, counsel  
10 for Red Deer County and the MD of Greenville. And that is all I have been able to  
11 determine.

12  
13 THE COURT: Okay. Why do you not go on with your  
14 submissions and if anyone wants to speak we will...

15  
16 MS. CAMERON: Perfect. Just before I turn things over to my  
17 colleague, I will briefly address the materials you should have in front of you --

18  
19 THE COURT: Yes.

20  
21 MS. CAMERON: -- because there is quite a few documents that  
22 have been flying around as well as service. So, in terms of materials from our office, you  
23 should have a copy of the application, affidavit of Ben Li --

24  
25 THE COURT: M-hm.

26  
27 MS. CAMERON: -- brief of AlphaBow, and an Affidavit of Service  
28 from Stephanie Dumoulin.

29  
30 THE COURT: I do not have that.

31  
32 MS. CAMERON: Okay. But I can walk you through that. You  
33 should also have a copy of the Monitor's 11th report.

34  
35 THE COURT: M-hm.

36  
37 MS. CAMERON: From the Alberta Energy Regulator, they filed a  
38 reply brief and an affidavit of a Mr. Trevor Gosselin.

39  
40 THE COURT: Yes.

41

1 MS. CAMERON: And then a letter from CNRL.

2  
3 THE COURT: Yes.

4  
5 MS. CAMERON: Turning briefly to service, we did file an  
6 Affidavit of Service. The service list was served by our office on September 15th, which  
7 is last Monday, in accordance with the Practice Note. We submit that service is in order.  
8 What will become relevant as part of our later relief is there was a requirement that we  
9 serve the Regulator as part of the relief being sought today as well as other potentially  
10 impacted parties, which would include the municipalities who are already on the service  
11 list.

12  
13 THE COURT: Okay.

14  
15 MS. CAMERON: So, on that basis, I would submit that service is  
16 in order.

17  
18 THE COURT: It appears to be in order.

19  
20 MS. CAMERON: Turning to the relief sought today, so there is two  
21 aspects of our application. One is extending the Stay of Proceedings, which is otherwise  
22 set to expire end of this month, which we understand is not being contested. And the second  
23 aspect is the declaration that we're seeking with the regards to the ability of the AER to  
24 seek a security deposit from AlphaBow.

25  
26 So, if it pleases the Court, I'll now turn it over to my colleague to address the stay of  
27 proceedings.

28  
29 THE COURT: Sure.

30  
31 **Submissions by Ms. Fiddes (Stay Extension)**

32  
33 MS. FIDDES: Good afternoon, Justice Bourque. For the record,  
34 my name is Sophie Fiddes with Bennett Jones, and I will be making submissions today on  
35 behalf of AlphaBow Energy for an order under the *Companies' Creditors Arrangement Act*  
36 to extend the Stay of Proceedings from September 30th, to March 31st, 2026. We will then  
37 be speaking to the disputed portion of the application.

38  
39 The stay extension sought is to enable AlphaBow to close all of the court-approved  
40 transactions that are subject to the AER Licence Transfer Applications or remarket  
41 AlphaBow's assets if necessary. As demonstrated by the cash-flow set out in the Monitor's

1 report, which provides for approximately 12.3 million in cash as at September 21st, 2025,  
2 AlphaBow has sufficient funds to meet the post-filing obligations during the stay period.

3  
4 While it is our desire to wind up this process as soon as possible, we have sought an  
5 extension to the end of March, as AlphaBow will need to submit AER Licence Transfer  
6 Applications or remarket their assets, which will take a significant amount of time. Sections  
7 11.02 and 3 of the *CCAA* address the authority of the Court to grant a stay and provide that  
8 the Court shall not make an order unless the applicant satisfies the Court that circumstances  
9 exist that make the order appropriate and that the applicant satisfies the Court that it has  
10 acted, and is acting, in good faith and with due diligence.

11  
12 AlphaBow submits that circumstances exist that make the order appropriate, as previously  
13 discussed. AlphaBow has acted in good faith and with due diligence in all respects, as set  
14 out at paragraph 39 of the Li affidavit. AlphaBow's activities are also set out in the Li  
15 affidavit at paragraph 40, and Section 4.2 of the Monitor's report, and include taking steps  
16 to advance the outstanding transactions to closing, seeking to understand the Alberta  
17 Energy Regulator's concerns, seeking to respond to CRA inquiries regarding certain filing  
18 requirements, responding to multiple requests seeking to lift the Stay of Proceedings,  
19 continuing to assist the Monitor with the review of claims under the claims process,  
20 attending ongoing meetings with the Monitor, assisting in the preparation of cash-flow  
21 statements, and preparing the materials for this application.

22  
23 The extension of the stay is also supported by the Monitor, as set out at Section 6 of the  
24 Monitor's report. No stakeholder or creditor will be materially prejudiced by the stay  
25 extension. As set out at paragraph 42 of the Li affidavit, without the benefit of an ongoing  
26 Stay of Proceedings, AlphaBow anticipates that one or more of its creditors would seek to  
27 advance proceedings, which would result in a deterioration of funds available for  
28 distribution to stakeholders and would potentially impede the ability of the remaining  
29 transactions to close. Moreover, without the benefit of a ongoing Stay of Proceedings,  
30 significant uncertainties would be introduced regarding next steps, particularly if  
31 AlphaBow is required to remarket its assets.

32  
33 For these reasons, AlphaBow submits that the stay extension should be granted.

34  
35 THE COURT: Okay. Did anybody want to speak against the  
36 relief? And you want this relief whether or not -- regardless of the outcome of the other  
37 aspect of the application?

38  
39 MS. FIDDES: Yes.

40  
41 THE COURT: Okay.

1  
2 **Decision (Stay Extension)**  
3

4 THE COURT: Well, having heard your submissions and  
5 hearing no opposition, I will grant the stay until March 31st, 2026.  
6

7 MS. FIDDES: Thank you. I will turn it back to Ms. Cameron.  
8

9 THE COURT: Okay.  
10

11 MS. CAMERON: And, Justice Bourque, just as a housekeeping  
12 matter, we do have a separate form of order specific to the stay request we can pass up at  
13 the end of proceedings.  
14

15 THE COURT: Oh, sure.  
16

17 MS. CAMERON: We had one with the full set of relief we are  
18 seeking, as well as just the stay, should the Court not be in a position to make a ruling on  
19 the second aspect of our application today.  
20

21 THE COURT: Okay. Sounds good.  
22

23 MS. CAMERON: So, as mentioned --  
24

25 THE COURT: Maybe I should just -- I have read everyone's  
26 materials --  
27

28 MS. CAMERON: Okay.  
29

30 THE COURT: -- I have read your materials. I have read all the  
31 cases. I have read Mr. Reid's brief, all of his materials, with the exception I did not get to  
32 the *Yukon* decision. I mean, I read it in the brief, but, otherwise --  
33

34 MS. CAMERON: Yes.  
35

36 THE COURT: -- and I have read --  
37

38 MS. CAMERON: Okay.  
39

40 THE COURT: -- the Osler letter.  
41



1 MS. CAMERON: Perfect.

2

3 **Submissions by Ms. Cameron (Stay of Regulatory Action)**

4

5 MS. CAMERON: On that basis, I am going to start with just a very,  
6 very brief overview of the issues to provide some clarification and characterization in terms  
7 of what the relief is we're seeking, why we submit it's important, and the Court's authority.  
8 I am also before, though -- before I get into the merits of this aspect of our application, I  
9 will also be responding to a couple of the arguments and positions set out in the materials  
10 of the Alberta Energy Regulator as well as Canadian Natural Resources.

11

12 And so the issue before this Court is whether or not the AER is stayed or should be stayed  
13 with respect to the ability to request a security deposit from AlphaBow Energy. Now, this  
14 issue arose in response to a Transfer Application that was submitted by AlphaBow. And  
15 so the context of that is on April 26th, 2024, the Court approved a sales process, and the  
16 end result of that sales process is that AlphaBow, in consultation with the Monitor and its  
17 sales advisor, selected a group of bids that combined would result in all of AlphaBow  
18 Energy's environmental obligations being assumed by the various parties. And so, since  
19 that sales process was approved, AlphaBow has worked towards closing those various  
20 transactions, which has resulted in receipt of approximately \$13,000,000 in proceeds as a  
21 result of those sales, and all but four of the transactions have now closed, three of which  
22 are somewhat related and three of which involve the transfer of AER licences.

23

24 Now, specific to one of those three Transfer Applications, which involves 0-6-9, who is  
25 seeking to advance the transfer through its nominee Cascade, the AER directed each of  
26 AlphaBow and its purchaser to post security in respect of that transaction. And we're not  
27 opposing or taking any issue with the discretion or authority of the AER to seek security  
28 from the purchaser of AlphaBow's assets, what our concern relates to is the ability of the  
29 AER to request security from AlphaBow in these circumstances. And specific to the  
30 security that was requested from AlphaBow, the AER requested security in an amount of  
31 over \$20,000,000, which is more than the funds AlphaBow has available.

32

33 Now, three of the four reasons provided for this request for security, and those reasons are  
34 set out in the AER's decision, which is at Appendix A to Mr. Li's affidavit, and they are set  
35 out in the bullets on that first page. I would submit three of those four reasons relate to the  
36 fact that AlphaBow is insolvent. Bullet number 2 refers to AlphaBow's inactive liability,  
37 which it states is over \$205,000,000. As you'll have seen from AlphaBow's materials,  
38 AlphaBow was required to suspend its assets and cease its operations over 2 years ago  
39 when it was unable to pay the approximate \$15,000,000 of security that was then asked by  
40 the AER. So, that relates to the inability of the -- AlphaBow to operate due to its financial  
41 circumstances. The last two bullets you'll see is the AER was concerned about the high

1 level of financial distress of AlphaBow, as well as the financial risk presented by  
2 AlphaBow, which, again, goes to its insolvency. And we submit that the AER would have  
3 known about these risks and concerns throughout these proceedings, that nothing has  
4 materially changed there.

5  
6 And so, specific to this request for security, and not -- not only in regards to this transaction,  
7 but any of the remaining Transfer Applications, it's our position that by seeking to request  
8 security from AlphaBow, that the Alberta Energy Regulator is seeking to collaterally attack  
9 the decisions of this Court through its approval of the Reverse Vesting Order and the  
10 various transactions through frustrating the ability of AlphaBow to close these transactions  
11 and that -- furthermore that the AER's actions in this regard are stayed.

12  
13 THE COURT: That they are what?

14  
15 MS. CAMERON: Are stayed by this Stay of Proceedings that have  
16 been granted by virtue of the -- of the Amended and Restated Initial Order as well as  
17 Section 11.1 of the *CCAA*.

18  
19 THE COURT: So, what aspect of the AER's ability to regulate  
20 these assets do you say is stayed? The whole thing?

21  
22 MS. CAMERON: Not the ability to regulate, the ability to collect  
23 security from an insolvent company that's in *CCAA* proceedings.

24  
25 THE COURT: Collect or asked to post? Like are you saying that  
26 they do not have the ability in the regulatory proceedings as part of the approval process  
27 of the Licence Transfers, they do not, as part of their normal, usual function, have the  
28 ability -- because this is a *CCAA*, they do not have the ability to require --

29  
30 MS. CAMERON: Correct.

31  
32 THE COURT: Okay. And you are going to give me some  
33 authority on that?

34  
35 MS. CAMERON: I am going to walk you through there -- that  
36 authority. Now, Justice Bourque, though, you'll see in our arguments two-fold what I'm  
37 going to walk you through is why we submit that the AER doesn't have the authority in an  
38 insolvency context to request security from a debtor company, but I'm also going to walk  
39 you through our alternative argument, which is, even if the Regulator does have the  
40 authority, the Court has the ability to stay them from exercising that authority in certain  
41 circumstances where it's not contrary to the public interest.

1  
2 THE COURT: Okay. Is that second alternative, that is the  
3 *Abitibi* test or is the first one?  
4  
5 MS. CAMERON: So, neither.  
6  
7 THE COURT: Okay.  
8  
9 MS. CAMERON: Yeah.  
10  
11 THE COURT: All right.  
12  
13 MS. CAMERON: And, again, if you will bear with me, I will get  
14 you --  
15  
16 THE COURT: You will walk me through it. Okay.  
17  
18 MS. CAMERON: -- I am going to walk through --  
19  
20 THE COURT: Sure.  
21  
22 MS. CAMERON: -- both those arguments. And part of the overall  
23 context of why we are seeking the relief that we're seeking today is with regards to the  
24 overall prejudice and harm to AlphaBow and its stakeholders should the AER be allowed  
25 to request not only security, that they are requesting an amount that cannot be complied  
26 with, but even if they were to request a lower amount, why we say that is still improper  
27 and prejudicial.  
28  
29 THE COURT: Okay.  
30  
31 MS. CAMERON: And, so, it's our position that if they are permitted  
32 to request security, especially in the amount that it's currently seeking, that will prevent  
33 AlphaBow from successfully exiting these proceedings. And in doing so, it will prevent  
34 AlphaBow's various stakeholders from obtaining any recovery, as well as the go-forward  
35 benefits -- economic and social benefits -- that would occur should the assets be able to  
36 resume operations, including go-forward municipal taxes, surface lease payments,  
37 royalties, et cetera.  
38  
39 And in contrast to those benefits, we submit there's no harm to the Regulator in granting  
40 the relief that is sought, is that the AER will and can regulate the purchasers who will be  
41 assuming these assets, and that includes the ability to request security from those

1 purchasers as demonstrated by the fact in this case they have sought approximately  
2 \$4,000,000 from Cascade in respect of the 0-6-9 transaction.

3  
4 Similarly, they will have a solvent party that they can regulate. And they would also have  
5 a party who could address issues. If you look at Exhibit G of Mr. Gosselin's affidavit, that  
6 sets out the various conditions that it was seeking to impose on Cascade in respect of the  
7 Transfer Application. And you'll note in it towards the bottom of the page it notes there's a  
8 surface casing vent flow issue. That is the second bullet from the bottom on page 1. You'll  
9 note it lists a number of well licences that have overdue packer testing and reporting  
10 requirements. That's at the top of page 2. You'll note there's a bunch of inspections that are  
11 outstanding and other various regulatory obligations that they are seeking to have  
12 addressed.

13  
14 And now, specific to those requirements too, I just want to note for the record, these assets  
15 have been with the Orphan Well Association for about 2 years now, so the Orphan Well  
16 Association is the party with care and custody when it comes to the AlphaBow sites. So,  
17 that is who is currently looking after them.

18  
19 And now, one of the big concerns noted by both the AER and CNRL as to why they say  
20 security is important in these circumstances is that there's a concern about purchasers'  
21 ability and obligations in the future.

22  
23 THE COURT: M-hm.

24  
25 MS. CAMERON: And the reality is, with all insolvencies, whether  
26 a purchaser will be successful in the future, that's always a risk, but we would submit that's  
27 not a basis upon which to frustrate the current proceedings.

28  
29 And now I want to clarify a couple of points raised in the AER and CNRL's materials  
30 before I get to the substantive part of our submissions. So, first, specific to CNRL, a lot of  
31 their submissions relate to the Reverse Vesting Orders and concerns regarding whether or  
32 not the transactions -- the Subscriptions Transaction has materially changed. First, I'd just  
33 like to note that the time to appeal any of these transactions has long expired. For the most  
34 part, they were all approved on December 19th, of last year. They weren't opposed and  
35 there was no appeal of the transactions. So, the time to object to them has passed.

36  
37 Now, with regard to the suggestion that the transaction has materially changed or become  
38 worse over time, I would just like to note that the -- CNRL refers to 7-0-7 having modified  
39 its transaction to remove approximately \$8,000,000 of liabilities from what it was  
40 ultimately going to assume. Their --  
41

1 THE COURT: Sorry. Who is 7-0-7?  
2  
3 MS. CAMERON: 7-0-7 is one of the asset -- one of three Asset  
4 Transfer Applications.  
5  
6 THE COURT: Other than 0-6-9 and other -- then 0-7  
7  
8 MS. CAMERON: There is 0-6-9, 0-7-1, and then 7-0-7 --  
9  
10 THE COURT: Okay.  
11  
12 MS. CAMERON: -- are the three out there.  
13  
14 THE COURT: Okay.  
15  
16 MS. CAMERON: With regards to 7-0-7, we didn't have that  
17 transaction back in December 19th. There was a potential transaction with another party  
18 that had not closed --  
19  
20 THE COURT: M-hm.  
21  
22 MS. CAMERON: -- and that no court approval was sought. So, at  
23 the time of December when the majority of these transactions were approved --  
24  
25 THE COURT: M-hm.  
26  
27 MS. CAMERON: -- the assets that are now being assumed by 7-0-  
28 7 were still going to be part of AlphaBow in the Subscription Agreement. So, this isn't a  
29 case where thing have materially worsened over time. In fact, from the facts at the time the  
30 Subscription Agreement was approved, we have actually divested of further assets to  
31 reduce the liabilities remaining with AlphaBow.  
32  
33 Now, the other comment related to the Subscription Agreement that's been raised by both  
34 the Alberta Energy Regulator and CNRL is a suggestion that the 0-6-9 transaction is  
35 seeking to carve out a bunch of good assets that would take value away from the Estate and  
36 that's why there's a need for security in this case. But an important thing to note is that  
37 when you look at Schedule A to the 0-6-9 transaction and the 0-7-1 transaction, the way  
38 they have actually been structured is the purchaser is only assuming half of AlphaBow's  
39 interest. So, 0-6-9 is only assuming half of AlphaBow's interest in those assets. The other  
40 half is going to stay either in AlphaBow or with AlphaBow's shareholder 7-0-7. So, it's not  
41 the best assets are being carved out to be given to 0-6-9, the assets are being kind of -- the

1 value in those assets is being split between 0-6-9 --

2

3 THE COURT: Where is that? Where do I see that in the  
4 materials?

5

6 MS. CAMERON: That's in Schedule A of the Vesting Orders. And  
7 I believe that the AER in their materials have provided the Vesting Orders.

8

9 THE COURT: Okay.

10

11 MS. CAMERON: So, the next concern that kind of flows  
12 throughout the AER and CNRL's materials are in respect to the Orphan Well Association  
13 and the need to protect it. And the reality is, the assets of AlphaBow have been with the  
14 Orphan Well Association for over 2 years, since September '23, and the way that  
15 AlphaBow has worked to try to address the concerns related to the Orphan Well  
16 Association based on feedback it's received throughout these proceedings is to find  
17 purchasers for all of its environmental obligations. And that is what it has done. Now, the  
18 ability though to actually advance those transactions and close is currently being frustrated  
19 by the fact that the AER has said it won't allow the licences to transfer, at least in respect  
20 of 0-6-9, unless \$20,000,000 of security can be posted, which AlphaBow is unable to do.

21

22 Now, the next concern raised by the Alberta Energy Regulator is that AlphaBow should  
23 have knows that security may be requested by it, or at least it should have thought to meet  
24 with the AER to find out if it was in doubt. And so, in that regard, a couple points I'd like  
25 to note. First of all, prior to the commencement of these proceedings, the AER had issued  
26 an order requesting that AlphaBow post over \$15,000,000 in security. It is --

27

28 THE COURT: One, five?

29

30 MS. CAMERON: One, five. It has not taken steps throughout these  
31 proceedings seeking to enforce that, which gave rise to a belief and understanding that they  
32 understood and agreed it was stayed.

33

34 THE COURT: You are not suggesting that their silence  
35 previously works as some form of estoppel from -- you are not suggesting that?

36

37 MS. CAMERON: No.

38

39 THE COURT: Okay.

40

41 MS. CAMERON: Now, we also note that the AlphaBow -- the

1 Alberta Energy Regulator has -- did meet with AlphaBow prior to AlphaBow seeking  
2 approval of the various transactions, and the Alberta Energy Regulator was also on the  
3 service list and attended those applications, did not oppose them, did not raise concerns  
4 about the fact that the funds being generated by this process wouldn't satisfy the AER --  
5 any purported AER regulatory requirements regarding the posting of security.

6  
7 THE COURT: Right. But the AER at that point in time had not  
8 even reviewed the proposed transactions; had they?

9  
10 MS. CAMERON: They -- they had.

11  
12 THE COURT: Or are you suggesting that they had?

13  
14 MS. CAMERON: Yes.

15  
16 THE COURT: Like tell me about the timing then.

17  
18 MS. CAMERON: Yes. So, on that -- and this goes to Exhibit B of  
19 Mr. Li's affidavit, there's a July 14th correspondence from our office. So, first of all, it's  
20 noted in the third paragraph, on page 1, AlphaBow met with AER back on August 21st of  
21 last year to discuss the transactions. So, AER would have known about the transactions  
22 back in August. The AER -- AlphaBow then set to try to seek court approval of the various  
23 transactions in December because it understood there were concerns, the Regulator wanted  
24 to make sure all the transactions were proceeding so that the liabilities would be addressed.  
25 So, that's what resulted in the majority of transactions being approved in December of last  
26 year.

27  
28 We now fast-forward, it's not until June of this year that we learn that there's going to be a  
29 security deposit request. And in response to that, AlphaBow has sought multiple meetings  
30 with the Alberta Energy Regulator, none of which have occurred. And so, while the Alberta  
31 Energy Regulator suggests AlphaBow should have met with the AER and could have found  
32 out that a security deposit would have been required, we submit a meeting did occur with  
33 the AER, and the AER also had ample notice of these proceedings and these transactions  
34 and could have raised with both AlphaBow and this Court concerns regarding the need to  
35 post security, and that never occurred.

36  
37 THE COURT: Are you suggesting then that without knowing  
38 which transfers were going to happen, if any, that that should have triggered the AER as to  
39 whether it would eventually perhaps require a security deposit?

40  
41 MS. CAMERON: I would submit the AER knew what applications

1       were going to proceed and what Transfer Applications were being sought and that if it was  
2       going to --

3  
4       THE COURT:                               Because they were known in August?

5  
6       MS. CAMERON:                           Yes.

7  
8       THE COURT:                           You are telling me there was -- there were bids  
9       and they were firm bids, if you will, and that AlphaBow intended to go with them in  
10      August?

11  
12      MS. CAMERON:                       Correct.

13  
14      THE COURT:                       And all of that is known to the AER?

15  
16      MS. CAMERON:                       And even before that, through the development  
17      of the sales process, right, the AER could have as part of that sales process said, Hey, you  
18      need a condition, AlphaBow is going to have to address 10 percent of its deemed inactive  
19      liability as a condition of any transfer. That didn't occur. So, significant time and money  
20      has been spent advancing a transaction to now long after the fact all of a sudden for the  
21      goal post to change in terms of what the expectations or requirements are.

22  
23      THE COURT:                       Okay.

24  
25      MS. CAMERON:                       And so now I'm going to take you to the  
26      substantive part of our submissions, dealing first with why we say the request for the  
27      security deposit is stayed.

28  
29      And so as this Court is well aware, the purpose of the staying of proceedings is to maintain  
30      the status quo and ensure that stakeholders are treated fairly. We submit that by permitting  
31      the AER to request a discretionary security deposit is contrary to this purpose, as it gives  
32      the AER an unfair advantage and allows it to exercise its discretion in a way that rearranges  
33      priorities. Because, in essence, assuming AlphaBow had the \$20,000,000 that could be  
34      posted, the AER would be in a circumstance where not only is it having all of the  
35      environmental obligations assumed by a new party they'll be able to regulate who may  
36      address those obligations going forward, but in addition to that, it's getting the funds in the  
37      Estate that would otherwise be distributed to creditors. And in that manner, it's rearranging  
38      the priorities and obtaining a benefit it wouldn't otherwise have by having the creditors of  
39      AlphaBow backstop the purchasers of the assets in these proceedings.

40  
41      THE COURT:                       Okay. Let me ask you this. It is not reasonable



1 for the creditors in the *CCAA* proceeding to reasonably expect that the Regulator is going  
2 to exercise its legislative authority with the possibility of requiring some sort of security?

3  
4 MS. CAMERON: Yes, in respect of purchasers, the parties who are  
5 assuming the obligations and on a go-forward basis are going to have that responsibility  
6 for ensuring those obligations to be addressed. But if the answer is that on a go-forward  
7 basis, even where there is a third-party who is addressing those obligations, that creditors  
8 still aren't entitled to recovery in oil and gas insolvencies, I think that's very problematic  
9 for the energy industry.

10  
11 THE COURT: Sorry. Just say that part again.

12  
13 MS. CAMERON: Yeah. I said with regards to purchasers, yes, that  
14 makes sense, but where there's circumstances where you have a purchaser who is going to  
15 assume the go-forward obligations and the environmental obligations, but the creditors of  
16 an oil and gas company still remain on the hook and have to backstop those --

17  
18 THE COURT: Well, and I think that maybe that is an area where  
19 I was unclear from the materials whether this security deposit was meant to cover the  
20 particular assets that were being transferred or whether they were meant to cover the  
21 remaining assets.

22  
23 MS. CAMERON: So, there's both. So, there's the \$4,000,000 to  
24 cover the assets being transferred --

25  
26 THE COURT: M-hm.

27  
28 MS. CAMERON: -- but in the respect of the assets not being  
29 transferred, that's where the approximate \$20,000,000 of security comes in. But while those  
30 aren't being transferred by way of a traditional asset transaction, they are -- the liabilities  
31 are being assumed by way of the Share Purchase Transaction --

32  
33 THE COURT: M-hm.

34  
35 MS. CAMERON: -- which is a result of the court application -- in  
36 June of this year, we actually sought the ability to move up the ability to close the Share  
37 Transfer Application so that as soon as either the 0-6-9 or 0-7-1 transaction is able to close  
38 we can trigger the closing of the Share Subscription. So the two kind of --

39  
40 THE COURT: It only takes one?

41

1 MS. CAMERON: -- proceed together.

2

3 THE COURT: Does it only take one or does it take both, the 6-  
4 9 and 7-1?

5

6 MS. CAMERON: It only takes one because they are -- they are  
7 somewhat related entities, so 0-6-9 and 0-7-1, and then 0-7-1 is both an Asset Transaction  
8 and the Share Purchase Transaction. So, because at the time 0-7-1 hadn't had licence  
9 eligibility, it does now, to try to speed up the conclusion of these proceedings we sought  
10 the ability to move forward with the 0-6-9 transaction and then advance the Share Purchase  
11 Transaction with the ability then of the new AlphaBow that emerges from these  
12 proceedings being able to advance the other two Transfer Applications.

13

14 And so, turning to what is and isn't permitted under the Stay of Proceedings, I'd like you to  
15 look at -- if you have a copy of the Amended and Restated Initial Order --

16

17 THE COURT: M-hm.

18

19 MS. CAMERON: -- in front of you? So, if you could turn to  
20 paragraph 17 of that order? And you'll also want to have with you a copy of our brief, and  
21 tab 1 of the brief, because you'll want to look at that in conjunction with Section 11.1.

22

23 THE COURT: Sorry. In conjunction with?

24

25 MS. CAMERON: Section 11.1 of the *CCAA*.

26

27 THE COURT: Yes.

28

29 MS. CAMERON: Okay. So, the starting point of paragraph 17 of  
30 the ARIO provides that:

31

32 During the Stay Period, all rights and remedies of any individual, firm,  
33 corporation, governmental body or agency, or any other entities ...  
34 whether judicial or extra-judicial, statutory or non-statutory against or  
35 in respect of the Applicant or the Monitor, or affecting the Business  
36 or the Property, are hereby stayed and suspended ...

37

38 So, that's broad. So, the starting point is --

39

40 THE COURT: Nothing.

41

1 MS. CAMERON: -- nobody can take any actions --  
2  
3 THE COURT: Right.  
4  
5 MS. CAMERON: -- and then there's a carve out of it.  
6  
7 THE COURT: M-hm.  
8  
9 MS. CAMERON: And I submit there's only two provisions under  
10 that carve out that potentially relevant here, and I'm going to walk you through why we  
11 submit that it doesn't apply.  
12  
13 THE COURT: Okay.  
14  
15 MS. CAMERON: So, the first one is sub (b), which says that the  
16 stay doesn't:  
17  
18 (b) affect such investigations, actions, suits or proceedings by a  
19 regulatory body as are permitted in Section 11.1 of the *CCAA*.  
20  
21 And so then when you turn to Section 11.1(b), at the very bottom of it, it generally provides  
22 that regulatory bodies are permitted to continue investigations -- which isn't an issue here  
23 -- and that they can take action, suits, or proceedings, "other than the enforcement of a  
24 payment ordered by the regulatory body or the Court." And so that's the starting point. We  
25 say by preconditioning the transfer on the payment of money by AlphaBow, that's contrary  
26 to Section 11.1(2).  
27  
28 THE COURT: What about four?  
29  
30 MS. CAMERON: So, going to -- sub (4) is where there is a dispute  
31 as to whether a regulatory body is seeking to act as a creditor --  
32  
33 THE COURT: Right.  
34  
35 MS. CAMERON: -- or as a regulatory body.  
36  
37 THE COURT: And that is where we are right now. Yes.  
38  
39 MS. CAMERON: Now, moving to (4) -- going back to 17, sorry,  
40 (e), now that also is where there is a carve-out with regards to compliance with statutory  
41 regulatory provisions relating to health, safety, or the environment. So, that is the other

1 provision that we say, to the extent there is provisions that could apply, that would be it,  
2 but we say it similarly doesn't apply. The requirement for security here is not like an explicit  
3 under the *Act* everyone must post security --  
4

5 THE COURT: No.

6  
7 MS. CAMERON: -- in 'X' amount. It's them taking an action to  
8 exercise their discretion to request security. So it's not a specific statutory provision that  
9 they are relying on. And, furthermore, we submit that there's no evidence here that there's  
10 a safety or environmental issue regarding the security and that even posting security would  
11 address an environmental issue. As noted previously, the sites are with the OWA as  
12 providing care and custody of them and we have purchasers in this instance to assume the  
13 environmental obligations.  
14

15 Further, in the case of *Abbey Resources*, which is at tab 7 of our brief, in that case the  
16 Minister sought to suspend Abbey Resources' operations due to the failure to post a security  
17 deposit. And in that case, in support of their request to suspend they noted concerns in the  
18 purpose of public safety and protection of the environment. And the Court in that case at  
19 Section 62 noted that the Minister hadn't demonstrated that there was a public safety or  
20 environmental issue, which is the same as in this case. But then the Court also goes on to  
21 note that the request of a security deposit was a debt obligation. And as noted at paragraph  
22 --  
23

24 THE COURT: Where is that?

25  
26 MS. CAMERON: That's at paragraph 62 of the *Abbey Resources*  
27 decision.  
28

29 THE COURT: Yes.

30  
31 MS. CAMERON: And the regulatory regime in that case has a  
32 similar provision to what exists now under the amended Section 103 of the *Oil and Gas*  
33 *Conservation Act* --  
34

35 THE COURT: Well, we will talk about 103 in a bit, but --  
36

37 MS. CAMERON: Yes. But it has --  
38

39 THE COURT: -- and what that -- what that really does.  
40

41 MS. CAMERON: -- it has a similar provision where there's the

1 ability -- the request for security creates a debt and there's an ability to take steps to collect  
2 on it.

3  
4 THE COURT: Yes. What -- I mean, the opening words of 103  
5 are something to the effect of, In this section a debt means...

6  
7 MS. CAMERON: Yes.

8  
9 THE COURT: I mean, are you suggesting that that is a debt for  
10 all purposes when it says, In this section, and there is the definition of debtor and there is  
11 a second definition of something, and then it sort of sets up the ability of the Regulator to  
12 -- I am going to say register a lien -- that is probably the wrong word -- and then a  
13 mechanism for enforcing the lien? So, are you --

14  
15 MS. CAMERON: So --

16  
17 THE COURT: Like I am just trying to --

18  
19 MS. CAMERON: Yeah.

20  
21 THE COURT: -- like I read your argument about 103 --

22  
23 MS. CAMERON: Yeah.

24  
25 THE COURT: -- I looked at 103 --

26  
27 MS. CAMERON: Yeah. So, 103, no, do they -- does the provision  
28 specifically apply in these circumstances? No. But does it signify an intention that security  
29 can be considered a debt obligation, and that it is a payment obligation, as opposed to  
30 purely regulatory? Yes. And I note too in the *Yukon Zinc* case, which is relied on by my  
31 friends --

32  
33 THE COURT: M-hm.

34  
35 MS. CAMERON: -- the consideration of the Court there in terms of  
36 whether a security deposit in that case was a debt versus a regulatory obligation was, is  
37 there a mechanism to seek to enforce it and collect on it. And in this case, is the AER by  
38 seeking security seeking to have a super priority lien? No. But in requesting the security,  
39 it is basically the same effect, in that, if you don't post it, the transfer is thwarted. So, yes,  
40 it's not enforcing it through a lien, it's enforcing it by saying, Either pay me or no transfer  
41 occurs.

1  
2 THE COURT: Right.

3  
4 MS. CAMERON: Now, turning to the *Redwater* argument -- now,  
5 *Redwater* dealt with a very different circumstance. It didn't deal with a Stay of Proceedings.  
6 It dealt with how funds should be distributed at the end of the proceedings and whether or  
7 not -- and in circumstances where limited assets were sold and the majority of the assets  
8 were going to end up with the Orphan Well Association. And in order to respond to that,  
9 in that case, the Regulator issued Abandonment Orders and was just seeking to have those  
10 obligations to clean up those sites addressed ahead of funds being distributed to creditors.

11  
12 And so, what I would submit is the analysis that's in the *Redwater* case is what would be  
13 relevant at the end of these proceedings once the transfers occur and the creditor trust is set  
14 up when this Court is determining how funds should be distributed to the Estate. It doesn't  
15 deal with the specific circumstances in terms of whether or not the Stay of Proceedings  
16 would apply to security requests in these circumstances or whether it should.

17  
18 But I do note there is still some useful guidance provided in the *Redwater* decision. I note  
19 at paragraph 113 of the *Redwater* decision, the Court in that case noted there were aligned  
20 goals of seeking to ensure that end-of-life obligations are satisfied while seeking to  
21 maximize recovery for creditors. We submit that's exactly what AlphaBow is trying to seek  
22 to do here. It has purposely sought and obtained transactions that will ensure environmental  
23 obligations will be addressed while with the funds in the Estate seeking to ensure those are  
24 able to be distributed as soon as possible to creditors in order to maximize recovery for  
25 them.

26  
27 Also, the crux of *Redwater* was focused on the foundation regulatory rule that in the oil  
28 and gas context licensees have to address their environmental obligations. And, again, in  
29 this case, we have sought and obtained transactions that does it -- and ensures that those  
30 obligations are being assumed, which is one of the options under the AER's regime at that  
31 time that the Supreme Court looked at, in that, in order to address your environmental  
32 obligations your options were carry out closure work, package assets and transfer them, or  
33 one of the other options they had mentioned was you could drill more wells to increase that  
34 viability rating that they had at that time.

35  
36 Now, more specifically, though, paragraphs 155 to 158 of the Supreme Court's decision  
37 dealt with the AER's transfer regime, as it then was, which, again, we submit is very  
38 different from the current requirements.

39  
40 THE COURT: Okay. And on that point, if you could just  
41 highlight how you say it is different.

1  
2 MS. CAMERON: Yeah. So, at the time, the AER had existing  
3 licence liability rating requirements. So, basically, the AER, for each site there's a deemed  
4 asset value and a deemed liability value. You had to have a minimum --  
5  
6 THE COURT: One divided by the other.  
7  
8 MS. CAMERON: Yeah. And you had to have a minimum  
9 requirement of one.  
10  
11 THE COURT: Right.  
12  
13 MS. CAMERON: If you did not have a requirement of one, you had  
14 to post security to offset the difference.  
15  
16 THE COURT: Yes.  
17  
18 MS. CAMERON: So, that is a standard requirement that applies to  
19 everybody and all circumstances.  
20  
21 THE COURT: Yes.  
22  
23 MS. CAMERON: And you'll see in the Supreme Court's decision,  
24 they note they waived or reduced that requirement in certain circumstances, but that there  
25 was a standard rule that applied. Now what we have here under the new regime of the AER,  
26 and you'll have seen through Manual 023, which is included in Mr. Gosselin's materials,  
27 it's more of a discretionary requirement. They retain their discretion. In their Manual there's  
28 a table that can be used, but it doesn't have to be used. And you'll have also seen in Mr.  
29 Gosselin's materials he notes, in his view, they -- they were kind to AlphaBow in the  
30 amount of security sought and that they're only seeking 10 percent when they said they  
31 could have requested the full --  
32  
33 THE COURT: 205.  
34  
35 MS. CAMERON: -- \$205,000,000. Right. So, you've gone from a  
36 very standardized system, not much discretion, to now a very discretionary system.  
37  
38 And so, going to the last portion of paragraph 155 of the decision, specific to the AER's  
39 Licensee Liability Rating, or LMR, as they've referred to it in that sentence, at the bottom  
40 half of that paragraph, the Court found in those circumstances under that system the LMR  
41 conditions were non-monetary obligations of the Estate saying:

1  
2 ...since they must be satisfied before the Regulator will approve the  
3 transfer of any of Redwater's licences.  
4

5 And what I'd submit there, part of it is that wasn't discretionary, it was a black and white  
6 regulatory requirement, you must have an LMR of one, and that there's a difference there  
7 between the exercise of discretion versus a standard regulatory requirement. And then at  
8 the bottom of -- the other last few sentences of that paragraph, the Court goes on to note  
9 that:  
10

11 ... even apart from the LMR conditions, licences are far from freely  
12 transferrable.  
13

14 And then it goes on to say:  
15

16 The Regulator will not approve the transfer of licences where the  
17 transferee is not a licensee under the *OGCA*, The *Pipeline Act*, or  
18 both. The Regulator also reserves the right to reject a proposed  
19 transfer where it determines that the transfer is not in the public  
20 interest, such as where the transferee has outstanding compliance  
21 issues.  
22

23 So, while that's not saying those are the only factors, in that circumstance you'll see the  
24 Supreme Court was looking at types of factors and discretion the Court or a Regulator  
25 would look at. They are things that are more -- less subjective, I would submit. At --  
26

27 THE COURT: So, can I just -- let us go back to the LMR and  
28 the --  
29

30 MS. CAMERON: Yeah.  
31

32 THE COURT: -- and the setting of a discretionary amount.  
33

34 MS. CAMERON: Yeah.  
35

36 THE COURT: Is it the fact that in the old regime that was at play  
37 in *Redwater*, the amount of the security that might be required to bring yourself back into  
38 compliance was like baked in the formula. That is the distinction that you are drawing  
39 versus now where the amount of the security deposit to bring back into compliance, or  
40 attempt to bring back into compliance, is discretionary. That is the basis upon which you  
41 would say that *Redwater* is distinguishable?



1  
2 MS. CAMERON: It's one of the basis upon which it is  
3 distinguishable. As noted, part of it was in terms of when that assessment in the *Abitibi* test  
4 comes in, and that that's really at the distribution stage.  
5

6 THE COURT: Okay.  
7

8 MS. CAMERON: Right? Because looking at the *Abitibi* test, that  
9 doesn't fully fit here where -- right -- you're dealing with the new requirement, this isn't the  
10 -- you can't say this is the environment -- preexisting environmental obligations that existed  
11 -- pre-date those are being assumed. So, this is really a new post-filing obligation that the  
12 AER is exercising its discretion to create.  
13

14 THE COURT: M-hm.  
15

16 MS. CAMERON: And it also goes to the nature of the obligation  
17 where I do think there's a difference between a black and white requirement, you must do  
18 this, as opposed to an exercise of discretion by a Regulator.  
19

20 THE COURT: And why is that different in principle? Because  
21 in both cases, is the Regulator not carrying out its legislative mandate by requiring the  
22 security deposit to be made in the first place?  
23

24 MS. CAMERON: So, potentially. One, you have clear legislative  
25 intent of what the legislators and the direction from government is, This is what needs to  
26 be done. The next is an exercise of discretion, which in the *Sydco* decision we referred to  
27 at tab 4 of our materials, which was a Justice Romaine decision, she notes the role of  
28 insolvency courts when there is a Regulator acting -- exercising their discretion and the  
29 consideration of that exercise of discretion in accordance with the purposes of the  
30 insolvency proceeding.  
31

32 THE COURT: Okay. While we are on the topic of that decision,  
33 that is a decision that was rendered pre-Supreme Court *Redwater*. I agree it is Justice  
34 Romaine, but it seems, at least at first glance -- I am just not sure what the status of that  
35 decision is --  
36

37 MS. CAMERON: Yeah.  
38

39 THE COURT: -- given that there is a lot of reliance on the Court  
40 of Appeal's decision in *Redwater*.  
41

1 MS. CAMERON: Yeah. So, certainly it is pre-*Redwater*, but it's  
2 still, I believe, the comments regarding discretion and the considerations and that discretion  
3 is an absolute still continues to apply, notwithstanding what happened and what occurred  
4 in *Redwater*.

5  
6 THE COURT: Okay.

7  
8 MS. CAMERON: And so, again, in that case, the Court looked at  
9 what factors the AER should consider and is appropriate for them to consider when  
10 exercising the discretion. And that was a case that was decided at the time when the  
11 company was -- or the Receiver in that case was seeking approval of a transaction. And at  
12 that time they were aware the Regulator had certain concerns regarding the nature of that  
13 transaction.

14  
15 And while some of those concerns, you are right, relate to how the AER was going to apply  
16 and interpret the lower court *Redwater* decision, also what was discussed was the relevance  
17 and the appropriateness of a Regulator considering non-compliances and factors related to  
18 the debtor corporation that would undermine the insolvency process. So, in that case, for  
19 example, Justice Romaine looked at and noted that it would be unreasonable or improper  
20 to consider the debtor company, in that case, Sydco's non-compliance related to certain  
21 financial obligations that would be resolved through the insolvency process in terms of  
22 denying a Transfer Application.

23  
24 So, similarly, we says it's the same case, in that, it's similarly unfair and inappropriate to  
25 use the fact that AlphaBow is insolvent as a basis to say it has to post copious amounts of  
26 money that it doesn't have in order to be able to advance its restructuring in this process.

27  
28 THE COURT: Okay.

29  
30 MS. CAMERON: Similarly --

31  
32 THE COURT: Sorry. On that point then, are you saying that the  
33 Regulator is -- perhaps not the right word but -- on purpose because it is an insolvency is  
34 requiring the security deposit?

35  
36 MS. CAMERON: So --

37  
38 THE COURT: Maybe not exactly the right -- like I am --

39  
40 MS. CAMERON: -- so, we --

41

1 THE COURT: -- I cannot think of a better word, but --

2

3 MS. CAMERON: I struggle with the requirement for the security  
4 deposit. As you'll have noted, they hadn't requested it for any of the other transactions  
5 despite AlphaBow still having a large and active inventory of over \$200,000,000 and  
6 having the same financial considerations.

7

8 THE COURT: Right. But they say it is because there were not a  
9 lot of transactions and other things that Mr. Reid will tell me about, but...

10

11 MS. CAMERON: Yeah. But the absurd result of that is then in oil  
12 and gas insolvencies if we only sell small amounts of the assets no security is required?  
13 And how does that achieve the public interest or goal of protecting the Orphan Fund?

14

15 THE COURT: I do not know.

16

17 MS. CAMERON: But, again, going back to the exercise of  
18 discretion, I do note at section -- at paragraph 116 of the *Redwater* decision that the Court  
19 in that case warned that if the Regulator was to seek to use its powers to alter or reorganize  
20 priorities, that that exercise would be inoperative. So, again, that is what we are submitting  
21 is occurring here is -- it's a situation where the Regulator is looking to not only have the  
22 obligations assumed, but to also scoop the proceeds in the Estate, and that that's not  
23 appropriate. If it wants to -- once the share -- or the Subscription Agreement closes request  
24 security from the purchaser when they've had the ability to assess the purchaser under its  
25 Manual 23 requirements, it's welcome to do that. But the fact that they're looking in this  
26 circumstance to basically block the transactions that have been approved by the Court for  
27 a significant period of time --

28

29 THE COURT: Subject to regulatory approval.

30

31 MS. CAMERON: Yes. But, again, that regulatory approval and  
32 discretion, it's not unlimited, right, it has to be exercised reasonably, and, I would submit,  
33 in a manner that doesn't frustrate the *CCAA* proceedings.

34

35 THE COURT: Perhaps.

36

37 MS. CAMERON: So, our alternative argument is if you accept that  
38 the Regulator does -- that the request for security is not the exercise of a right or  
39 enforcement of a payment that is stayed under the ARIO or Section 11.1, that the Court  
40 still has the authority to grant the relief sought and to stay the ability of the AER to do so,  
41 and it's our position that it should do so.

1  
2 And so there's three requirements that have to be satisfied by this Court to be able to stay  
3 the -- an exercise of an action by a regulatory body. So, step 1 is the regulatory body and  
4 parties likely to be affected have to be served?

5  
6 THE COURT: Where is this from? What is the authority?

7  
8 MS. CAMERON: Sorry, this is Section 11.1(3) --

9  
10 THE COURT: Okay. Still --

11  
12 MS. CAMERON: -- of the *CCAA*.

13  
14 THE COURT: Yes. Okay.

15  
16 MS. CAMERON: So, sub -- so, the next step is the Court has to be  
17 of the opinion that:

18  
19 (a) a viable compromise or arrangement could not be made if that  
20 subsection were to apply.

21  
22 And so, we submit that the AER is able to assert a claim for funds that AlphaBow doesn't  
23 have, so the \$20,000,000, that this will clearly be the case where AlphaBow is not able to  
24 move forward in its restructuring process because it won't be able to meet the precondition  
25 of closing the remaining transactions.

26  
27 Now, subsection -- the third section of this is whether or not it would be contrary to the  
28 public interest in granting the relief sought. And in this case, we submit that granting the  
29 relief sought will actually further the public interest in these circumstances, in that, not  
30 only does it provide a mechanism for recovery for Alberta stakeholders and enables  
31 AlphaBow to exit these proceedings, it also provides a pathway to have these  
32 environmental obligations addressed, including having the Alberta Energy Regulator  
33 having the new parties they can collect security from, they can regulate, keeping these  
34 assets from remaining with the Orphan Well Association.

35  
36 Now, further public interest considerations --

37  
38 THE COURT: Just -- can I just stop you on that?

39  
40 MS. CAMERON: Yeah.

41

1 THE COURT: Can you just unpack that a little bit more and tell  
2 me what -- how you -- like just break it down for me --  
3  
4 MS. CAMERON: Sure.  
5  
6 THE COURT: -- further.  
7  
8 MS. CAMERON: Sure. So, should the AER be able to require the  
9 \$20,000,000 -- now my friends have noted and proposed in their materials we could go out  
10 and seek to try to raise \$20,000,000 -- and we can certainly -- AlphaBow can certainly try  
11 to do so. But in circumstances where they have sold all their assets, the likelihood of  
12 someone willing to give \$20,000,000 that they never will receive back --  
13  
14 THE COURT: For no value.  
15  
16 MS. CAMERON: -- for no value is highly unlikely.  
17  
18 THE COURT: M-hm.  
19  
20 MS. CAMERON: And so, in that case, you have a circumstance  
21 where the assets are staying with the --  
22  
23 THE COURT: They are just going to end up --  
24  
25 MS. CAMERON: -- Orphan Well Association --  
26  
27 THE COURT: -- they are just going to end up there.  
28  
29 MS. CAMERON: Yeah.  
30  
31 THE COURT: That is what you mean.  
32  
33 MS. CAMERON: Yeah. And to be fair, there are funds in the Estate  
34 if this process craters could be provided to the Orphan Well Association, the approximate  
35 \$12,000,000 that are currently held. But we submit that's a way worse outcome where --  
36 than what's being proposed through the four transactions outstanding, where there's  
37 opportunities for cure costs to be paid, the assets to resume operations, which is an  
38 important consideration in these proceedings, jobs to be created, royalties to be obtained,  
39 go-forward municipal taxes, service lease payments. And also in addition to the benefits of  
40 allowing the transactions to proceed and AlphaBow exit it, there's also the benefits to this  
41 court process and the integrity of oil and gas insolvencies that are further supported by not

1 permitting the AER to request security in circumstances such as these.

2  
3 So, firstly, on that point, there is what I submit -- and I do recognize and appreciate the  
4 Purchase and Sale Agreements provide for the ability of the Regulator to exercise their  
5 discretion -- but, again, as previously noted, it's not absolute, and there should be serious  
6 concerns in circumstances like this where in the usual course the Court doesn't permit  
7 stakeholders and creditors to lay in the weeds and wait until late in the process to advance  
8 claims or assert rights. And that's what I submit has occurred in this circumstance. And in  
9 doing so, as well, the Regulator is seeking to act outside of this Court's single proceeding  
10 model to seek to extract value from the Estate. And this is being done in circumstances  
11 where they have known about these transactions for over a year and where Court approval  
12 occurred more than 9 months ago. And yet, it's only now, at this hour, that the Regulator is  
13 seeking to frustrate a transaction that it didn't appeal.

14  
15 I note that in other court cases, including the *Just Energy* case and *Bzam* case, which are at  
16 tabs 5 and 6 of our material, the Court in those cases found that the circumstances warranted  
17 the court intervention to prevent the Regulators in those cases from suspending or  
18 cancelling licences where it would have the effect of taking value out of the Estate. Now,  
19 in two of those case the companies were still operating, so that fact is different, but I submit  
20 it's similar facts where it's a regulatory action that's seeking to frustrate the potential  
21 restructuring of a company, which Courts in the past have been willing to step in and  
22 prevent from occurring.

23  
24 In terms of undermining the process as well, and the court process, which we submit is  
25 another reason why it's not -- why the public interest benefits from the granting of the relief  
26 sought is that otherwise it creates significant uncertainty for these oil and gas insolvencies  
27 where at any time the Regulator can veto a transaction on a very discretionary basis, such  
28 as in this case, the insolvency of AlphaBow. I have no concerns about the Regulator  
29 exercising discretion along the lines of what was set out in *Redwater* and in *Sydco* where  
30 the Regulator is considering things such as is a purchaser -- does the purchaser meet the  
31 regulatory requirements. And you'll have seen for the 0-6-9 transaction, they carried out  
32 that assessment for the purchaser. But there should be significant concern where the  
33 Regulator can at any time -- and late in a process -- especially late in a process -- exercise  
34 its discretion in a matter that prevents a restructuring from proceeding. In this case, by  
35 seeking funds from an insolvent company, which it lacks the funds to pay.

36  
37 In this case, I note AlphaBow spent significant time seeking stay extensions seeking to  
38 advance these transactions, which the AER, again, from being on the service list was well  
39 aware of, and yet took no steps until very recently to advise that it had concerns about  
40 AlphaBow's lack of finances, which was going to impact its ability to advance these  
41 transactions. And while we are fortunate in this circumstance that AlphaBow has had funds

1 in the Estate that can continue to proceed on, if we continue on the course that we're going  
2 on, where we're potentially having to proceed down regulatory appeals and further  
3 uncertainty regarding what amounts of security will be requested, we're just going to eat  
4 away the value in the Estate that could otherwise be distributed to creditors, which is also  
5 contrary to the Court's focus in these proceedings for a transparent single process. Where  
6 in this case we'd be proceeding under this process with no certainty and very low  
7 transparency as to what's occurring and when it's going to occur. And beyond that, there's  
8 also the significant time that it would require. Normally, in these insolvency processes,  
9 things need to move quickly, and move quickly in order to ensure that the benefits and the  
10 goals of the *CCAA* are obtained and achieved. That -- that won't occur otherwise, if we're  
11 in this constant loop of having to apply, find out what security will be requested from  
12 AlphaBow, and then continually reapplying or appealing the process until hopefully we get  
13 a number that the company can afford, all while its assets continue with the Orphan Well  
14 Association and are not producing or being maintained as they would as a licensee.

15  
16 And so, while I'm sympathetic to the Regulator wanting to mitigate risk and ensure that  
17 liabilities are addressed, especially given the growing size of the Orphan liabilities, the  
18 decision to seek security in this circumstance isn't going to help to achieve those goals,  
19 because the reality is AlphaBow doesn't have that money. And also, in allowing the AER  
20 to request security from the debtor in circumstances where the environmental obligations  
21 are addressed, that is seeking to obtain an advantage that they're not otherwise intended.  
22 Again, in AlphaBow, the Court was looking at creditor obligations versus debtor  
23 obligations with the understanding there's a finite amount of what that obligation is, which  
24 is the environmental obligation. Here we have purchasers assuming that obligation. So, any  
25 amount the AER is seeking above and beyond what it's achieving through having those  
26 assets assumed by third-parties.

27  
28 And, furthermore, as noted previously, not only would the AER being having the creditors  
29 backstop and fund this extra security in addition to have all the liabilities assumed, but then  
30 there's no mechanism for AlphaBow's creditors to get those funds back should the  
31 purchasers meet their regulatory obligations. So, it results in a windfall for a party and no  
32 remedies or recourse for the creditors of AlphaBow's Estate.

33  
34 And so, in summary, we submit that not only is the request for security in the first instance  
35 stayed, that it isn't a regulatory obligation for the purposes of Section 11.1, that it is a  
36 request for a payment of funds that is stayed in this process. There is no regulatory function  
37 over AlphaBow being achieved by collecting the security. AlphaBow's assets are already  
38 with the Orphan Well Association. The only thing being achieved is obtaining funds that  
39 would otherwise go to AlphaBow's creditors, assuming AlphaBow had the funds. But in  
40 this circumstance, all that is being achieved is the frustration of these process -- of this  
41 process because there's no ability for any party to transact if the condition is going to be

1 that \$20,000,000 has to be posted by AlphaBow.

2  
3 As noted, in the alternative, if the Court does accept the position that this is a regulatory  
4 obligation that isn't stayed, we submit that it should be stayed, as it is contrary to the public  
5 interest. It creates unfairness to the other stakeholders in this process. It undermines the  
6 transparency and judicial oversight in these proceedings through having after sought Court  
7 approval and various amendments to allow the Regulator to have a veto on such a  
8 discretionary basis. It further cedes control over oil and gas insolvencies substantially to  
9 the Alberta Energy Regulator. And it prevents AlphaBow from both maximizing value and  
10 ensuring that all of its environmental obligations are addressed.

11  
12 Subject to any questions, those are my submissions.

13  
14 THE COURT: Thank you, Ms. Cameron.

15  
16 I am just going to suggest we take a short break till let us say 3:35?

17  
18 THE COURT CLERK: 3:30, Sir?

19  
20 THE COURT: 3:35.

21  
22 THE COURT CLERK: Thank you.

23  
24 (ADJOURNMENT)

25  
26 THE COURT: Please be seated.

27  
28 I will just ask if there is anybody who would like to speak in favour of the application?  
29 Okay.

30  
31 Mr. Reid, are you going next?

32  
33 MR. REID: I believe it will be me.

34  
35 THE COURT: Yes.

36  
37 **Submissions by Mr. Reid (Stay of Regulatory Action)**

38  
39 MR. REID: Sir, as a starting point, I'd like to introduce Maria  
40 Lavelle, she's with the Alberta Energy Regulator, she's joining me today. Also online is  
41 Dakota Bailey, who is an Associate in our Edmonton Office, she's assisting with this. Ms.



1 Cameron went over our materials that I would refer to today. There's the affidavit of Trevor  
2 Gosselin, our reply brief, but there's also a book of authorities. Did you get that, Sir?

3  
4 THE COURT: I mean, yes.

5  
6 MR. REID: Yes? Okay.

7  
8 THE COURT: Yes.

9  
10 MR. REID: Thank you.

11  
12 THE COURT: I got what was in the email.

13  
14 MR. REID: I will refer to it.

15  
16 THE COURT: Okay.

17  
18 MR. REID: So --

19  
20 THE COURT: You have not sent hard copies though?

21  
22 MR. REID: I did not. I was advised that your --

23  
24 THE COURT: No.

25  
26 MR. REID: -- preference is just electronic.

27  
28 THE COURT: Yes.

29  
30 MR. REID: I think the -- how I'm going to start off my reply,  
31 Sir, is to maybe take a step back and talk about what brought on the application that is --  
32 for the regulatory stay. And what happened is there was a post-filing Licence Transfer  
33 Application by AlphaBow in which they sought to have sort of licences of AlphaBow  
34 transferred to Cascade Capture Ltd. which the Alberta Energy Regulator conditionally  
35 approved subject to each of AlphaBow and Cascade complying with certain Licence  
36 Transfer conditions. And those Licence Transfer conditions included a requirement that  
37 Cascade and AlphaBow post security with the Alberta Energy Regulator in the amount of  
38 5,000,000 and 20,000,000 respectively. And those are approximate amounts. And for the  
39 Court's information, those conditional Licence Transfer Approvals, they can be found in  
40 Mr. Gosselin's affidavit at Exhibits G and H.

41

1 What I think is important to keep in mind is that the -- this Licence Transfer Application,  
2 it was part of broader transaction that was approved by the Court last December where a  
3 related party to Cascade will assume the shares in AlphaBow for \$1 -- \$1 and the ultimate  
4 result of this series of transactions is that AlphaBow will remain a non-operating entity, all  
5 of its approximately 8,000 remaining licenced wells, facilities, and pipelines, will continue  
6 to be either inactive or suspended, AlphaBow will remain with over 200,000,000 in  
7 abandonment and reclamation obligations, and AlphaBow's core viable properties will  
8 have then been transferred out to Cascade or others.

9  
10 So, and this is described somewhat in paragraphs 44 and 45 of Mr. Gosselin's affidavit  
11 where he says: (as read)

12  
13 Following the proposed Licence Transfer Application and related  
14 asset transactions, AlphaBow will be left with over 3,000 inactive  
15 wells, all of which only 184 are economically viable if reactivated.  
16 The AER is aware that the remaining licenced assets will be retained  
17 under the existing AlphaBow entity through a Reverse Vesting Order  
18 whose ownership has intentions to have the company reemerge as a  
19 going concern. However, the income from the remaining licence  
20 assets, if reactivated, would be markedly insufficient to meet  
21 AlphaBow's ongoing environmental obligations. For further context,  
22 AlphaBow currently consists of just under 8,000 licences consisting  
23 of wells, facilities, and pipelines.

24  
25 So, that's the overall transaction that -- or result of where AlphaBow will be after these  
26 Licence Transfers and these transactions. So, from the AER's perspective, AlphaBow will  
27 be in a substantially worse off state than when it filed for its insolvency proceedings in  
28 March of last year, as it will retain much of the liabilities without the asset base to support  
29 its ongoing regulatory and liability obligations.

30  
31 Now, why is this important? Because I think the Court was aware of this. Because, turning  
32 to the first argument, as I understand it, is that the AER is acting in its capacity as a creditor,  
33 it's not acting as a Regulator in requiring AlphaBow to post security, and we believe that  
34 this is incorrect, and I'm just going to have to do a little bit of monotonous review of the  
35 book of authorities that we provided to you, Sir. And the first thing I will do is take you  
36 tab 5.

37  
38 THE COURT:

Yes.

39  
40 MR. REID:

And this is the order, sales approval, and vesting.

41 This is the order -- Approval and Vesting Order that was granted by this Court in respect

1 of the Purchase and Sale Agreement with 0-6-9 until eventually Cascade became its  
2 nominee. And this is the transaction to which the conditional approvals that required the  
3 security be posted pertained to. And I'm going to take you to page 2 of that document, and  
4 it's section 3. And I know you're quite familiar with this already, Sir, but I am going to put  
5 it on the record because it does contain what is customary Alberta Approval and Vesting  
6 Order template language, that: (as read)

7  
8 The vesting of the properties is subject only to approval by the Alberta  
9 Energy Regulator of the transfer of any applicable licences, permits,  
10 and approvals, pursuant to Section 24 of the *Oil and Gas*  
11 *Conservation Act (Alberta)* and Section 18 of the *Pipeline Act*  
12 *(Alberta)*.

13  
14 Now, Sir, I apologize, I don't have Sections 24 of the *Oil and Gas Conservation Act* or 18  
15 of the *Pipeline Act* in my book of authorities, but I can read to you what those provisions  
16 say.

17  
18 THE COURT: You can tell me what they say.

19  
20 MR. REID: So, starting with the -- Section 24 of the *Oil and*  
21 *Gas Conservation Act*, that's the Transfer of Licence provision, and it says:

22  
23 (1) A licence shall not be transferred without the consent in writing of  
24 the Regulator.

25  
26 Sub (2) provides:

27  
28 (2) The Regulator may consent to the transfer of a licence subject to  
29 any conditions, restrictions and stipulations that the Regulator may  
30 prescribe, or the Regulator may refuse to consent to the transfer of a  
31 licence.

32  
33 The *Pipeline Act* similarly is -- the transfer of licence provision is --

34  
35 THE COURT: Same thing.

36  
37 MR. REID: -- Section 8 and it has very -- identical language  
38 --

39  
40 THE COURT: Same thing.

41

1 MR. REID: -- essentially. So, I think that's important context  
2 because the transaction was subject to these two provisions, which provide that they are  
3 subject to any conditions, restrictions, and stipulations that the Regulator may prescribe.  
4

5 So, if I could take the Court then to tab 2 of our book of authorities.  
6

7 THE COURT: M-hm.  
8

9 MR. REID: This is the *Oil and Gas Conservation Act*. And  
10 these are some of the rules, requirements, and restrictions, pursuant to Section 24, and if I  
11 go to Section 10, this is -- and this is on page 2 if you --  
12

13 THE COURT: I am there.  
14

15 MR. REID: Okay. It says, "Rules":  
16

17 10(1) The Regulator may make rules  
18

19 And then (b) provides:  
20

21 (b) requiring licensees and approval holders to provide to the  
22 Regulator deposits or other forms of security to guarantee the proper  
23 and safe suspension, abandonment and reclamation of wells and  
24 facilities and the carrying out of any other activities necessary to  
25 ensure the protection of the public and the environment, including  
26 rules respecting the amount and form of those deposits and security  
27 and how they may be used, retained, forfeited and returned.  
28

29 And then tab 3 is the *Oil and Gas Conservation Rules*. And I'm going to reference -- take  
30 you to the second page of that. And this provides that -- at Section 1.120:  
31

32 A licensee or approval holder shall provide a security deposit in  
33 accordance with Directive 068 where ...  
34

35 And I think this is important because my friend -- and I wrote it down -- talked about  
36 *Redwater* and how it was regulatory regime that was a lot less subjective. But I'm looking  
37 at the language of these *Rules*, and here's what's being applied in the circumstances of this  
38 case. So:  
39

40 A licensee or approval holder shall provide a security deposit in  
41 accordance with Directive 068 where ...

1  
2 And I think (a) is important:

3  
4 (a) the licensee or approval holder is the holder of a licence or  
5 approval respecting any well or facility that is in either an inactive or  
6 abandoned state.

7  
8 So, that applies both to Cascade, and it will also apply to AlphaBow following this whole  
9 transaction structure. (c):

10  
11 (c) the licensee's or approval holder's level of financial distress is  
12 high, according to the results of a licensee capability assessment  
13 conducted under Directive 088.

14  
15 And, of course, I think, if you look at the documents of the exhibits, the Regulator both  
16 assessed Cascade as well as AlphaBow's financial risk as quite high applying that, what  
17 they call the LCA.

18  
19 And I think (d) is also applicable:

20  
21 (d) the licensee or approval holder has not complied with any  
22 requirement applicable to the licensee or approval holder respecting  
23 closure, including a closure quota.

24  
25 So, that's 1.12. But then I think 1.130 is also applicable to this Court, where it says:

26  
27 The Regulator may require a licensee or approval holder to provide a  
28 security deposit at any time the Regulator considers it appropriate to  
29 do so to offset the estimated costs of

30  
31 (a) suspending, abandoning, remediating or reclaiming a well, facility,  
32 well site or facility site,

33  
34 (b) providing reasonable care and measures to prevent impairment of  
35 or damage to a well, facility, well site or facility site, or

36  
37 (c) carrying out any other activities necessary to ensure the protection  
38 of the public and the environment.

39  
40 And so, I think that it's important for this Court to know, and I know you're already attuned  
41 to this, is that when that transaction that led to this application today was approved, it was

1 subject to Section 24 of the *Oil and Gas Conservation Act* and the *Pipeline Act*, and there  
2 were specific rules and requirements that are in the legislation that suggest that a security  
3 deposit is and would be required. And so, the reason I'm taking the Court here is two-fold.  
4 First, the AER is requiring a security deposit. It's not acting as a creditor, as is suggested  
5 in AlphaBow's brief and submissions, it's acting as a Regulator. And it's not stayed by the  
6 Amended and Restated Initial Order from requiring this security deposit.

7  
8 This is not a situation where AlphaBow is looking to stay a pre-filing regulatory order like  
9 let's say, for example, the March 2023 order that required the posting of \$15,000,000  
10 security. Pre-filing, stayed, got it, monetary obligation. This is situation where Cascade and  
11 AlphaBow after approval applied to the AER post-filing and per the court order and subject  
12 to the AER's regulatory regime to seek a Licence Transfer. So, the AER in applying its  
13 regulatory authority in accordance with its directives and statutory mandate conducted an  
14 assessment of AlphaBow both before and after the proposed transaction, and in requiring  
15 that AlphaBow post security, Mr. Gosselin at paragraph 46 of his affidavit, he says this:  
16 (as read)

17  
18 In assessing the security required for AlphaBow pertaining to the  
19 Licence Transfer Application, I took into account the large amount of  
20 inactive inventory and the high inactive liability associated with the  
21 properties that would be remaining with AlphaBow post-licence  
22 transfer, AlphaBow's high level of financial distress based on the  
23 Licensee Capability Assessment, and, three, the lack of significant  
24 assets remaining with AlphaBow to manage clean-up obligations  
25 associated with the vast properties.

26  
27 So, I think, in summary, Sir, it's not that the AER is seeking to enforce a monetary  
28 obligation, there's no debt obligation that's being enforced, the AER is requiring a security  
29 deposit to mitigate the risk of AlphaBow not being able to comply with its regulatory  
30 requirements post-transaction. And this is within the regulatory mandate and jurisdiction  
31 of the AER, which is described at paragraph 7 of Mr. Gosselin's affidavit, which says: (as  
32 read)

33  
34 The AER's interest in statutory authority as Regulator is to ensure safe  
35 and responsible development of energy resources in a manner that  
36 protects public safety and the environment.

37  
38 So, Sir, we're not -- I don't think we fit under the classification of a creditor where we're  
39 stayed by the Amended and Restated Initial Order. In this case, I think it's quite clear that  
40 the Energy Regulator was acting in its capacity as Regulator. It followed its directives. It  
41 followed its mandate, and it made an assessment, a holistic assessment, in line with the

1 regulations, to require a security deposit.

2  
3 I just wanted to point out one other thing where there was a suggestion that there was a  
4 waiting in the weeds. And I've got -- I've got two points to make, and I -- I'm going to go  
5 to paragraphs 56 and 57 of the affidavit. And here Mr. Gosselin says: (as read)

6  
7 Like all licensees, AlphaBow had the opportunity to request a pre-  
8 application meeting before Cascade submitted the Licence Transfer  
9 Application. It did not exercise this option. In contrast, on its own  
10 initiative, Cascade met with the AER on October 15th, 2024,  
11 November 25th, 2024, and January 10th, 2025, to discuss the licensee  
12 eligibility and the Transfer Application process.

13  
14 So, it's suggested that in December when this application was approved, the Alberta Energy  
15 Regulator should have been there pounding the table saying, Here's what's going to be  
16 required from AlphaBow to conduct this transaction. But they had the opportunity to meet  
17 with the AER and they didn't take it before that -- before that application happened. And  
18 Cascade did do that.

19  
20 The other thing that I think is important to note is that at the time of the Transfer  
21 Application -- or, sorry -- the Court approval of the Cascade transaction, at paragraph --

22  
23 THE COURT:

24 talking about --

When you say the Cascade transaction, you are

25  
26 MR. REID:

27 2024 group of transactions.

This group of transactions. The December 19th,

28  
29 The AER hadn't received a Licence Transfer Application until March, and Cascade didn't  
30 obtain its licence eligibility until April. So, it was very difficult for the Alberta Energy  
31 Regulator to be able to conduct an analysis when it gets Licence Transfer Applications  
32 every day, hundreds of them, thousands of them, to conduct its application and say, This is  
33 what's going to be required of AlphaBow, this is what's going to be required of Cascade,  
34 in December, when it wasn't until April, 4 months later, that Cascade even had eligibility  
35 for a Licence Transfer Application.

36  
37 So, I think that that addresses the point that it wasn't acting in its creditor capacity, it is  
38 acting as a Regulator. How it protects itself when these transactions occur is that the court  
39 order that was granted provides that it would be subject to the regulations. They applied  
40 those regulations, and it does result in a requirement that security be posted by AlphaBow,  
41 and that this should not be stayed because it is in the interests of the public because they -

1 - AlphaBow at the end of this will be left with over 3,000 inactive wells, of which only 184  
2 have been found to be viable if reactivated.

3  
4 So, the second point that I'd like to make is that it's --

5  
6 THE COURT: What about Ms. Cameron's point about it is  
7 going to be left with those in any event either way. Like so the transaction is not approved  
8 because there is -- or, sorry -- the transaction does not go ahead because there is an ability  
9 to post the security, how is it -- and I do not know that I need to take this into account --  
10 but how is it different from where we are right now? Let us say the *CCAA* does not result  
11 in any -- work out and all of the licences end up in the Orphan Well Association --

12  
13 MR. REID: So, that's where they are right now.

14  
15 THE COURT: -- so how is it different?

16  
17 MR. REID: So, where we are right now is that right now  
18 there is several assets that may be viable to be able to deal with AlphaBow's regulatory  
19 obligations currently.

20  
21 THE COURT: I mean, from the --

22  
23 MR. REID: If those --

24  
25 THE COURT: -- from what I am gathering, perhaps in part --  
26 like the remaining assets are completely insufficient to -- I mean, perhaps I am incorrect  
27 and I am reading too much into what I have read, but it is -- and I am not saying that this  
28 is important, but I am just wanting you to address perhaps a little bit more head-on the  
29 point of these assets may end up with the Orphan Well Association, in any event.

30  
31 MR. REID: And prior to -- my understanding is what kicked  
32 off the NOI proceeding was that the Orphan Well Association had actually brought an  
33 application for the appointment of a Receiver. So, the OWA was actually taking steps --  
34 enforcement steps -- to deal with these assets to try to go and conduct a sales process and  
35 find their best result for those.

36  
37 THE COURT: Okay.

38  
39 MR. REID: So, if these transactions don't work out, I think,  
40 is what I understand from the evidence, is that further sale and solicitation steps will be  
41 taken to try to find a transaction that's more holistic and that will see better value coming



1 to stakeholders, or the OWA will simply take its enforcement steps.

2  
3 THE COURT: Okay. What I think I may be hearing is that there  
4 is no transaction -- there will never be an ability to fully fund the abandonment and  
5 reclamation obligations that exist with the assets that AlphaBow has --

6  
7 MR. REID: Right now.

8  
9 THE COURT: -- right now.

10  
11 MR. REID: And then that's what I think we expect at this  
12 time.

13  
14 THE COURT: M-hm.

15  
16 MR. REID: Now, if these transactions then go through, there  
17 will be even less of an ability for AlphaBow to be able to meet its regulatory obligations.  
18 So, it'll emerge from *CCAA* presumably --

19  
20 THE COURT: M-hm.

21  
22 MS. CAMERON: -- as a solvent going concern entity with  
23 significant regulatory obligations, but without any viable assets -- barely any viable assets  
24 to be able to meet his regulatory obligations.

25  
26 THE COURT: And you say they are worse off -- it is a worse  
27 situation because some of the money that will result from the closing of the transactions  
28 that were approved in December, some of that money is going to go to other parties. Is that  
29 why they are -- why it is worse off?

30  
31 MR. REID: Well, I don't know if that's -- I don't know how  
32 that would actually work because --

33  
34 THE COURT: Neither do I.

35  
36 MR. REID: -- my understanding is -- so AlphaBow sold  
37 assets -- I think I heard \$13,000,000 worth of proceeds have been recovered. AlphaBow  
38 emerges from *CCAA* and it's going to have a bunch of liabilities. And following *CCAA*, I  
39 think it would then be subject to the regulatory requirements to post security because it's  
40 going to have a bunch of deemed liabilities it's going to have to post security for.

41

1 THE COURT: Right. And how is going to do that?

2

3 MR. REID: So, it's just going to be a workaround essentially  
4 *Redwater* in that there would be proceeds to distribute to other creditors potentially without  
5 the environmental obligations being satisfied.

6

7 THE COURT: M-hm.

8

9 MR. REID: So, I don't think it makes sense.

10

11 THE COURT: Okay. Sorry.

12

13 MR. REID: So, I guess, I think the next thing I'm going to  
14 turn to is just turning head-on with the portion of the relief that's pursuant to 11.1 where  
15 AlphaBow is seeking a Stay of Proceedings, pursuant 11.1(3), which says that:

16

17 On application by the company and on notice to the regulatory body  
18 and to the persons who are likely to be affected by the order, the court  
19 may order that subsection (2) not apply in respect of one or more of  
20 the actions, suits or proceedings taken by or before the regulatory  
21 body ...

22

23 So, right now, I don't know of any actions, suit or proceeding being taken by or before a  
24 regulatory body that would be stayed in the circumstances. Right now it's that AlphaBow  
25 has applied for Licence Transfers, but there's no actions, suit, or proceeding being taken by  
26 the regulatory body to be stayed. But in any event --

27

28 THE COURT: But is not -- like is not the action that is being  
29 taken by the regulatory body the requiring of the security deposit? I mean, that is what I  
30 understand AlphaBow is looking to have stayed.

31

32 MR. REID: I was taking it more as in like an action taken like  
33 enforcement action. But they're -- in this case, I read it as they are requiring regulatory  
34 relief, which is in accordance with their statutory mandate and regulations.

35

36 But in any event, it's only possible if this Court is of the opinion that:

37

38 (a) a viable compromise or arrangement could not be made in respect  
39 of the company...

40

41 And in this case, there's no compromise or arrangement being made. At the end of this,

1 AlphaBow is going emerge with less assets and tons of liabilities, more liabilities.

2  
3 And then:

4  
5 (b) it is not contrary to the public interest of the regulatory body be  
6 affected by the order made ...

7  
8 And in our case, we think that it is against public interest because at the end of these  
9 transactions there's going to be several liabilities, there's going to be a company that  
10 emerges that's in worse off shape than when it entered, and there are -- will be \$200,000,000  
11 of liabilities that it will not be able to address.

12  
13 And so, the security deposit requirement was calculated as low as the Alberta Energy  
14 Regulator deemed it could physically be able to do while still maintaining its mandate of  
15 ensuring public safety as well as the environment.

16  
17 THE COURT: Is the manner in which the amount of the security  
18 deposit calculated, is that something that arises from Directive -- I did not write it down --  
19 but the directive that is referred to 1.120 or --

20  
21 MR. REID: Manual 23, is that --

22  
23 THE COURT: I do not know.

24  
25 MR. REID: So, Manual 23 provides a range of security that  
26 may be required at the time of a transfer based on the level of financial distress and cross-  
27 over time of the producer.

28  
29 THE COURT: So, 1.120 says:

30  
31 A licensee or approval holder shall provide a security deposit in  
32 accordance with Directive 068 ...

33  
34 So, does Directive 068, does that tell us how the amount is calculated, the range, or -- what  
35 does Directive 068 tell us?

36  
37 MR. REID: I'll see if I have Directive 068 with me. Ms.  
38 Lavelle did confirm that it is Manual 23 that is where the calculation was --

39  
40 THE COURT: Okay.

1 MR. REID: -- conducted. I will also note that at paragraph  
2 47, Mr. Gosselin advises that: (as read)

3  
4 Although AlphaBow suggests in its application and materials that the  
5 AER is treating it unfairly, it is important to note that a 10 percent  
6 security deposit on its estimated liabilities as required by the  
7 conditional approval decision is a substantially reduced amount,  
8 pursuant to Table 9, of Manual 23. The security deposit calculation  
9 requirements typically provide that security deposits for companies  
10 and the financial condition of AlphaBow are to be in the range of 97  
11 to 100 percent of inactive well liability.

12  
13 And that was consistent with the approach taken in the March 2023 order.

14  
15 THE COURT: Do you have any submissions on Ms. Cameron's  
16 point about the difference between the old regime, which had sort of a baked-in formula  
17 versus the new regime, which appears to afford some discretion in the amount of a security  
18 deposit that could be required by the Regulator? And perhaps, more importantly, whether  
19 that is a difference without -- or a distinction without --

20  
21 MR. REID: M-hm. And I'm just going to try to find the  
22 evidence that was provided on this, because I do believe it's part of --

23  
24 THE COURT: I mean, paragraph 49 of your -- of Mr. Gosselin's  
25 -- is that what you are thinking?

26  
27 MR. REID: Well, paragraph 49 talks about the table of the  
28 Manual, which is the range of the security deposit. But I think -- I think is what you're  
29 asking for is the difference of the -- the former one-to-one liability management rating that  
30 has been since changed to this more holistic assessment of a company where they look not  
31 just at, Okay, how many wells are producing, how many wells are inactive, now it looks at  
32 the overall financial condition of the producer, both before and after licence transfer. It  
33 looks at more assets, not just its oil and gas assets, but cash, cash-flows. And it's intended  
34 to better assess the company as -- and its ability to act as a going concern and to meet its  
35 regulatory obligations.

36  
37 THE COURT: Okay. Anything else?

38  
39 MR. REID: Nothing further from me, Sir.

40  
41 THE COURT: Okay.

1  
2 Okay. I will call on -- anybody else wanting to speak on AlphaBow's application?

3  
4 **Submissions by Mr. Zahara (Stay of Regulatory Action)**

5  
6 MR. ZAHARA: Zahara, 'R', for the record, Justice Bourque, I'm  
7 legal counsel for the Orphan Well Association, from the MLT Akins LLP law firm. And I  
8 do have some points to make.  
9

10 And I think to make clear, we're fully supportive of the Alberta Energy Regulator's position  
11 in respect to this application. And I do want to go into a little bit of the back issue, and I'll  
12 try not to re-tread any of the steps of my colleagues, but I think there's some important  
13 points to highlight in this case.  
14

15 THE COURT: Okay.

16  
17 MR. ZAHARA: And so please bear with me a little bit. If -- if you  
18 want more or less, I'm happy to give more or less.  
19

20 So, the initial filing for insolvency by AlphaBow was in response to a Receivership  
21 Application being brought by the Orphan Well Association. When the Orphan Well  
22 Association brings those Receivership Applications and appoints a Receiver, the Receiver  
23 is entitled to go in and monetize those assets. And when it sells assets, the debtor's financial  
24 wherewithal is not considered as part of the Transfer Application. So, what the Receiver  
25 can do is package assets differently and sell those assets off, and then on the understanding  
26 that all of the proceeds will then go to the abandonment and reclamation obligations of the  
27 debtor entity that the Receiver is appointment over.  
28

29 You know, prior to the Receivership Application proceeding, AlphaBow then filed a  
30 Notice of Intention staying that process. AlphaBow then has been given, you know,  
31 significant latitude within this proceeding to craft its SISP, to run its SISP, and obtain bids  
32 for the assets. It was known, I would say, at all times to AlphaBow, Cascade, and the parties  
33 involved, that the needle that would have to be thread in this process is that when all of the  
34 Licence Transfer Applications go in, and if they are taking care of the all assets which they  
35 are required to, and the OWA's position is on any debtor-led restructuring, all of the assets  
36 and abandonment reclamation obligations have to be taken account of, is that if there's any  
37 remaining obligations that remain within AlphaBow, those obligations need to be dealt  
38 with. And if those obligations are not dealt with, then, you know, we're not going to be  
39 supportive of the transactions.  
40

41 So, when we fast-forward to the December time period when Ms. Cameron refers to like,

1 you know, this was all known, everything was above board, it wasn't known exactly at that  
2 time when -- even when those applications were approved, what assets, what liabilities  
3 would be in there. And, you know, this is evidenced by the form of Subscription Agreement  
4 that was entered into where the transaction was supposed to be the catch-all that was  
5 supposed to catch all these liabilities because the Reverse Vesting Transaction, you know,  
6 at least at that time, it was advised that you don't have to be worried about the Asset  
7 Transfer Applications, everything is going to go through, anything that isn't, is going to be  
8 caught by this Reverse Vesting Transaction. That Reverse Vesting Transaction is for the  
9 sum of \$1. And so, when we look at the retained liabilities within that Reverse Vesting  
10 Transaction, those retained liabilities include all environmental liabilities, including all  
11 abandonment and reclamation obligations, as defined in that agreement.

12  
13 And so, all of the parties understood at that time that those liabilities aren't going anywhere.  
14 They are staying in AlphaBow, even post-CCAA. So, if AlphaBow was going to transfer  
15 out assets, funds had to be generated from somewhere. And if you look at 3.7 of that  
16 agreement, and it's attached to the December 9th affidavit of Ben Li, that agreement  
17 specifically said that as they add or subtract assets or liabilities from that transaction, they  
18 may have to increase the purchase price in order to cover that in order to allow all these to  
19 flow. And so, where I get hung up and get a bit confused is Ms. Cameron keeps saying --  
20 and I appreciate the intellectual gymnastics she's asking us to go through to accept her  
21 argument -- but you can't get assets and liabilities out of AlphaBow into other people's  
22 hands unless AlphaBow can satisfy its regulatory requirements. Its regulatory requirements  
23 right now as the condition to the Licence Transfer Application is to post security deposits.

24  
25 So, it was always going to have to have this cash in order to allow any amounts to be  
26 released to creditors of AlphaBow because it needs to get rid of all of its environmental  
27 obligations. So, we get into a vicious chicken or egg cycle where Ms. Cameron is asking  
28 this Court to put a stop to that by saying, You can't ask for security deposits, but then I  
29 want to take all the money that the asset sales have generated and not use them to abandon  
30 left over assets and somehow distribute those out to other creditors. And that doesn't work  
31 because they can't satisfy their regulatory requirements to actually sell those assets and get  
32 a proper Licence Transfer.

33  
34 And so, there's always going to be this giant number that AlphaBow is going to have to  
35 pay in security deposits to get all of its assets and close these transactions. And that was a  
36 known factor to the parties. Right now we didn't know the number of that because we didn't  
37 even know, as Mr. Reid pointed out, until June of this year what everything was going to  
38 be in those. And I think your reference to Directive 068 is -- was correct, Justice Bourque.  
39 And if you look at 3.1.2 of Directive 068, that refers to Transfer Application security, that  
40 specifically says: (as read)

41

1 The AER does not provide a preliminary determination of expected  
2 security requirements. Security cannot be determined until the  
3 Licence Transfer Application has been received and reviewed.  
4 Section 6.1.2 of Manual 23 provides a range of security that may be  
5 required at the time of transfer.  
6

7 And so, to Mr. Reid's point, when he refers you back to the Manual, that's how you get  
8 there. And that's the requirement that AlphaBow was always aware of when they were  
9 submitting these Licence Transfer Applications, that they were going to be asked for a  
10 security deposit. And that position was repeated on the record repeatedly throughout these  
11 proceedings.  
12

13 The next point in respect of this is that, you know, they have obviously sold assets but held  
14 assets back in terms of satisfying this RVO requirement in the Cascade transaction, so  
15 they're trying to piecemeal this around this. Had the OWA gone in at the beginning with a  
16 Receiver and sold assets, it could have generated maybe potentially significant higher  
17 returns on those assets, had more money available for abandonment and reclamation  
18 obligations, we don't know. They've gone down this road now, they've sold some stuff. But  
19 to your question to Mr. Reid, certainly, there remains valuable assets within that thing that  
20 if they can't -- again, so to speak -- thread the needle and make all of these things line up  
21 such that they can get their approval of the Transfer Applications, then, you know, the  
22 OWA will step in and appoint a Receiver. And this isn't like we're going to take all these  
23 assets into the Orphan Fund, that's not the case, that's not how this goes.  
24

25 We saw this recently in *Long Run Exploration*. An RVO Transaction failed to close,  
26 Orphan Well Association stepped in, appointed its Receiver, and the Receiver is going  
27 through the process of monetizing all of the assets that can possibly be monetized before  
28 anything comes to the Orphan Fund to be dealt with. And, you know, any of those proceeds  
29 now that will be generated will be used to do that, and a similar process would be followed  
30 in this case.  
31

32 I think, you know, to try to keep pace here and keep us on time, I want to highlight a few  
33 passages from *Redwater* that I think are important. And while I appreciate the ironic twist  
34 of fate where me and Ms. Cameron on the opposite sides of this, at the Supreme Court of  
35 Canada, you know, the fact doesn't change, the decision in that case stands, and there is  
36 not, in my case, sufficient discrepancies or differentiations in the present case to override  
37 any of the findings by the Supreme Court of Canada in *Redwater*. And in particular, I want  
38 to refer you to a couple of paragraphs of that decision, and I think the full decision is at tab  
39 2 of Ms. Cameron's brief, but in particular paragraph 30 of that decision in *Redwater* where  
40 the Court stated:  
41

1 Ultimately, it is not the role of this Court to decide the best regulatory  
2 approach to the oil and gas industry. What is not in dispute is that, in  
3 adopting its current regulatory regime, Alberta has acted within its  
4 constitutional authority over property and civil rights in the province  
5 and over the "development, conservation and management of non-  
6 renewable natural resources . . . in the province" ...

7  
8 They go on in a few other instances to state, paragraph 118:

9  
10 As a matter of principle, bankruptcy does not amount to a licence to  
11 disregard rules. The Regulator says that it is not asserting any claims  
12 provable in the bankruptcy, so the Redwater estate must comply with  
13 its environmental obligations, to the extent that assets are available to  
14 do so.

15  
16 Again, paragraph 135:

17  
18 Based on the analysis in *Northern Badger*, it is clear that the Regulator  
19 is not a creditor of the Redwater estate. The end-of-life obligations the  
20 Regulator seeks to enforce against Redwater are public duties.  
21 Neither the Regulator nor the Government of Alberta stands to benefit  
22 financially from the enforcement of these obligations. These public  
23 duties are owed, not to a creditor, but, rather, to fellow citizens, and  
24 are therefore outside the scope of "provable claims".

25  
26 That paragraph then goes on to state:

27  
28 Here, it is clear that the Regulator is seeking to enforce Redwater's  
29 public duties, whether by issuing the Abandonment Orders or by  
30 maintaining the LMR requirements. The Regulator is not a creditor  
31 within the meaning of the *Abitibi* test.

32  
33 And similar to the points raised by Mr. Reid, that is not the role the Regulator is taking on  
34 here. They were asked to approve a Licence Transfer. They are exercising valid regulatory  
35 authority to do that, and one of their tools in that toolkit is to ask for security deposit. And  
36 while the LMR process has changed, that is still well within the rights of the Regulator to  
37 decide that process. And it's not, I don't think, for this Court to decide that if that process  
38 has been tweaked that that somehow changes the overall result in *Redwater*, which is, is  
39 this Regulator acting qua regulator or qua creditor? And it's clear it's not asking for money  
40 for itself, but, rather, as a security deposit to ensure that AlphaBow, once it's left with all  
41 of those liabilities, is going to be able to address at least some of those in part.



1  
2 I think it's important to note that there isn't, in this case, a restructuring or ongoing  
3 operation. AlphaBow has been suspended, dormant, for over 2 years, as Ms. Cameron  
4 noted. This is, at best, a liquidating *CCAA* with a focus on getting certain assets into the  
5 hands of Cascade and has been throughout the process. There's no employees. There's no  
6 real stakeholders to consider in terms of that. These are just dormant oil and gas assets that  
7 either need to be abandoned and reclaimed or possibly reactivated by purchasers. And so  
8 there isn't, in this case, a larger restructuring within the *CCAA*. And, again, none of the  
9 funds that have been generated so far can get to the hands of the stakeholders unless  
10 AlphaBow can actually comply with its regulatory requirements to fulfill those Licence  
11 Transfer conditions.

12  
13 So, basically, this is -- *CCAA* is a vehicle for the liquidation of these assets with -- to a  
14 particular party in terms of certain circumstances. You know, in this case the assets that  
15 were generated didn't generate sufficient proceeds to pay the security deposit so the -- the  
16 recourse that AlphaBow has chosen as a result of this is ultimately to come to this Court to  
17 ask the Court to relieve them from complying with those obligations, which, again, it flies  
18 in the face of *Redwater*, in my submission, and the findings there. The Orphan Well  
19 Association will certainly step in and do what it's required to do should the transactions not  
20 be able to close, but we are fully supportive of the AER and its requirements -- the necessity  
21 of these requirements and that the insolvent debtors, notwithstanding the *CCAA*, are still  
22 required to comply with these regulatory requirements imposed by the Regulator. And they  
23 are important to ensuring that the burden of this doesn't fall on the Orphan Fund. And, you  
24 know, this was a known process throughout.

25  
26 I think in terms of the other arguments of Ms. Cameron regarding Section 11.1 of the  
27 *CCAA*, I echo the comments of Mr. Reid. I don't think that works for a post-filing request  
28 of the Regulator to do something. And the cases cited, including *Bzam* and *Just Energy*,  
29 the Regulator was taking steps to try to terminate licences, such that they couldn't operate.  
30 In this case, the Regulator is not doing that. It's fulfilling a regulatory role, in that, it was  
31 asked to a Licence Transfer Application and it went through its process to do that, and now  
32 AlphaBow does not like the result of that regulatory process, but that it not something, I  
33 don't think, that this Court can stay, especially given the comments in *Northern Badger*  
34 that effectively the Regulator in fulfilling this role is fulfilling the public good of ensuring  
35 abandonment and reclamation obligations are fulfilled.

36  
37 Subject to any questions or comments you have on the Orphan Well Association's position,  
38 those are my submissions, Justice Bourque.

39  
40 THE COURT:

Thank you, Mr. Zahara.

41

1 **Submissions by Ms. Paplawski (Stay of Regulatory Action)**

2

3 MS. PAPLAWSKI: Good morning, Justice Bourque -- or good  
4 afternoon, I suppose. 'E' Paplawski for Canadian Natural Resources. I will be very brief in  
5 my submissions.

6

7 Canadian Natural is the most significant funder of the Orphan Well Levy in Alberta, and  
8 so it has a vested interest in ensuring that demands on the Orphan Well Fund are minimized  
9 and that assets don't flow to the Orphan Well Fund that don't have to. And, really, Canadian  
10 Natural has two significant concerns with what AlphaBow is proposing to do here today.  
11 Canadian Natural supports the AER.

12

13 The first is that the relief that is being sought by AlphaBow sets a highly concerning  
14 precedent, because we know from all of the Supreme Court of Canada jurisprudence,  
15 including most recently, I believe, *Canada North*, that the Stay of Proceedings is intended  
16 to maintain the status quo, to maintain the status quo while the debtor restructures. What  
17 AlphaBow is attempting to do here is not maintain the status quo while it is intending to  
18 do anything. It's attempting effectively a permanent injunction on the AER and the exercise  
19 of its jurisdiction to impose conditions on a Licence Transfer.

20

21 We also know a Stay of Proceedings is, of course, temporary in nature. It's time limited.  
22 That's why the debtor has to continuously come back before the Court to seek renewal of  
23 the Stay of Proceedings. What AlphaBow is proposing to do though is not stay the AER  
24 for a period of time so it can restructure, it's proposing to interfere with the AER's ability  
25 to impose a condition for an unlimited period of time. And so what they're proposing to do  
26 doesn't lead to the effect they want. If the Court stays the AER's exercise of its ability to  
27 impose conditions on this Licence Transfer in the way AlphaBow wants, it neither  
28 maintains the status quo, nor is it time limited, nor will it affect a Licence Transfer. The  
29 AER still has to agree to the Licence Transfer. And so, it's effectively a permanent  
30 injunction under the guise of a Stay of Proceedings. There is absolutely no jurisdiction for  
31 this Court to permanently enjoin the AER here in the exercise of its jurisdiction, nor has  
32 that been sought, nor is there any basis for the relief being sought by AlphaBow.

33

34 Second, there's been a lot of discussion today by Ms. Cameron that AlphaBow has found  
35 purchasers to assume all the obligations. AlphaBow has entered into APAs. Mr. Zahara  
36 touched on that. I think as far as we can go is to say that AlphaBow found purchasers for  
37 the APAs -- found purchasers for the assets and APAs. It is absolutely not  
38 (INDISCERNIBLE) but I think it's more certain from the affidavit filed by the AER that  
39 the purchasers are not viable. I believe Mr. Li's December affidavit that was filed in support  
40 of the RVO stated that there's \$150,000,000 in deemed liabilities remaining with  
41 AlphaBow. The purchase price for those \$150,000,000 of liabilities is \$1. But, of course,

1 the -- the Court is not concerned with whether or not the purchasers are viable long-term  
2 because that's not what the Court is considering when approving the Approval and Vesting  
3 Orders and the Reverse Vesting Orders. That's the jurisdiction of the AER. And it's because  
4 of that that you have the multi-levels of approvals. So, you have the Court approval within  
5 the insolvency proceeding and then you have the AER's required approval as part of the  
6 closing of that Approval and Vesting Order. Because they're looking at different things and  
7 they're considering different things and their mandates are completely different.

8  
9 And so, for the Court to be -- for AlphaBow to request that the Court step in and interfere  
10 with the AER in exercising its jurisdiction is highly concerning to Canadian Natural. And  
11 as the largest funder of the levy, if the result was going to be as Ms. Cameron suggests,  
12 Canadian National would be 100 percent onside, but it's not, and we agree with the AER  
13 and with Mr. Zahara's submissions today.

14  
15 THE COURT: Thank you very much.

16  
17 MR. SWANBERG: Good afternoon, Sir. My name is Michael  
18 Swanberg with Reynolds Mirth. I just have a couple of quick comments, if that is okay?

19  
20 THE COURT: Yes.

21  
22 **Submissions by Mr. Swanberg (Stay of Regulatory Action)**

23  
24 MR. SWANBERG: So, Sir, I represent two affected municipalities in  
25 this matter, Red Deer County and the MD of Greenview. Also in the court today is Greg  
26 Plester at Brownlee, who represents another group of affected municipalities. While we're  
27 not taking any specific position with respect to the relief that's being sought today, we do  
28 think it's important that the Court understands some important context in terms of the other  
29 affected parties with respect to the decision that's before the Court.

30  
31 With respect to municipalities, in this particular situation, we are the senior creditor, such  
32 as they are, and would be the creditors that would be likely to receive any distributions  
33 from the Estate of AlphaBow at the conclusion of these proceedings. So that's primarily  
34 speaking to the \$12,000,000 that's currently held in AlphaBow, which was derived from  
35 the previous asset sales that have gone through.

36  
37 We just want to point out that the situation that essentially we are left in with the AER's  
38 order to pay security is a situation where you have all of the assets potentially finding new  
39 homes with the environmental liabilities being assumed by those purchasers, but the AER  
40 also being able to take the benefit of the entirety of any sales proceeds that have accrued to  
41 date. Now, ultimately, it will be for the AER and this Court to determine whether or not

1 that will be the case. Of course, in this case, the amount of security requested greatly  
2 exceeds the amount of cash available, so it's possible that at the end of the day all of the  
3 assets will end up going to the OWA anyways.

4  
5 But we do think that this is important context that the Court should keep in mind is that  
6 ultimately municipalities that are owed millions of dollars in taxes could end up on the  
7 hook with no recovery with respect to any of those taxes, and we're potentially left in a  
8 situation based on what is stated in the Gosselin affidavit at paragraphs 43 to 45 where  
9 there are potentially concerns about ongoing municipal taxes being paid going forward.

10  
11 So, Sir, subject to any questions you may have, those are just my submissions in terms of  
12 some additional context that we think the Court should consider.

13  
14 THE COURT: Thank you.

15  
16 MR. PLESTER: Good afternoon, Sir. If I might take an additional  
17 2 minutes to echo some comments that I just heard? Gregory Plester of Brownlee LLP. We  
18 are counsel for a total of eight municipalities. I won't name them, but I have provided the  
19 clerk with the names of our clients.

20  
21 THE COURT: Okay.

22  
23 **Submissions by Mr. Plester (Stay of Regulatory Action)**

24  
25 MR. PLESTER: Ultimately, as Mr. Swanberg had noted, our  
26 clients also are not taking a position in respect to this application. That's perhaps significant  
27 in light of the fact that it would almost certainly, if denied, guarantee that our clients will  
28 not receive anything from this insolvency process. The reason we say that, that we take no  
29 position, is that, frankly, we're -- we look at the AER's regulatory mandate and have  
30 concerns with a number of aspects of the proposed transactions.

31  
32 But the comments that I wish to make today are perhaps in respect to what I view as a  
33 largely broken regulatory system that would allow matters to get this bad. And I refer to  
34 paragraph 48 of the Trevor Gosselin affidavit that suggests that the \$20,000,000, which is  
35 in itself well beyond the reach of AlphaBow to meet in terms of a security requirement, is  
36 only roughly 1/10 of what the AER by its own Guidelines, Table 9 of Manual 23, would  
37 normally require, which would leave AlphaBow with the residual assets perhaps  
38 \$190,000,000 short of the necessary abandonment and reclamation obligation funds, which  
39 causes very significant concerns in terms of the longevity, but is I think an indictment of a  
40 system that has allowed this problem to get far worse than it ever should have been allowed  
41 to get and has been -- left our clients in the position that we will not only not receive any

1 payment for the taxes that had previously accrued, and in some cases continue to accrue  
2 during this process, but there's a very high prospect that a significant amount of taxes that  
3 will be levied against AlphaBow in the future will also go similarly unpaid with very little,  
4 if any, recourse for the municipalities to ever recover those taxes. In a situation where they  
5 are involuntary creditors, we have what appears to be a groundhog day problem where  
6 these taxes may never get paid. Future taxes may never get paid all because of these  
7 unfunded liabilities that were left unattended too for perhaps decades. It is a significant  
8 problem, but I don't know that the Court has a remedy for us, I only seek to point out that  
9 background for your own benefit, Sir.

10  
11 THE COURT: Thank you.

12  
13 Anybody else? Ms. Cameron?

14  
15 MS. CAMERON: Thanks, Justice Bourque.

16  
17 **Submissions by Ms. Cameron (Stay of Regulatory Action) (Reply)**

18  
19 MS. CAMERON: First of all, I think some of this discussion we've  
20 had this afternoon would have been very helpful to have earlier in the proceedings at the  
21 time these transactions were approved, which, again, goes back to part of the concerns  
22 raised with the unfairness and the prejudice in proceeding with such discussions late in  
23 proceedings after various transactions have been already approved and proceeded with.

24  
25 Now, what we have heard from my friends is that there's a rule that AlphaBow must post  
26 security. And in support of that my friends rely on Manul 23 -- well, at first they took you  
27 to the Rules that provide general discretion that they are to request security and then they  
28 referred to Manual 23, which is contained at Exhibit D of Mr. Gosselin's affidavit. And on  
29 page 27 of Manual 23 it deals specifically with what is this requirement to post security.  
30 And so, in the third paragraph on paragraph -- on page 27 it says, Table 9 and 10 are  
31 provided to give transferers --

32  
33 THE COURT: Can you just hold on? I just want to get there.

34  
35 MS. CAMERON: It's -- in the PDF it's page 327, I believe.

36  
37 THE COURT: Okay.

38  
39 MS. CAMERON: Are you there?

40  
41 THE COURT: Yes, I am. Thank you.

1  
2 MS. CAMERON: Perfect. So, that third paragraph, it starts with:  
3 (as read)

4  
5 Table 9 and Table 10 are provided to give transferers and transferees  
6 a sense of what security may be required, but the AER retains its  
7 discretion.  
8

9 And then even the heading for Table 9 says, Range of security that may be required. Right?  
10 So, it's very discretionary.  
11

12 Now, we also heard from Mr. Zahara, counsel for the Orphan Well Association, that the  
13 AER does not exercise its discretion to require security in a receivership. Now that's  
14 interesting. That's not set out in Manual 23. And as you'll have seen in the *Redwater*  
15 decision, a lot of time was spent on how receivers fall under the definition of licensee. So,  
16 again, this goes to it's a fully discretionary requirement to request security (1) where the  
17 AER does not exercise its discretion in a receivership, it appears only in a *CCAA*, which I  
18 think in and of itself is problematic in terms of a process perspective and goes to the fact  
19 this isn't a requirement. In our perspective, it's an unfair exercise of discretion. Because  
20 there should be no basis why security is required in a *CCAA* but not a receivership. If we  
21 proceed as is suggested by Mr. Zahara, the outcome is the work in the sales process and  
22 the steps taken over the last year and a half will have been for nothing and we're going to  
23 restart with the Court's time and effort with a new sales process after the fact, where, if a  
24 Receiver is appointed as opposed to a debtor running the cost -- running a process, all of a  
25 sudden no security is required.  
26

27 So, in addition to what we submit this is unfair, the AER has also noted --  
28

29 THE COURT: Sorry. Just --  
30

31 MS. CAMERON: Yeah.  
32

33 THE COURT: -- can we just go back to that --  
34

35 MS. CAMERON: Yeah.  
36

37 THE COURT: -- in a receivership situation no security deposit  
38 is required.  
39

40 MS. CAMERON: Yeah.  
41

1 THE COURT: And why do you say that does not make sense in  
2 a receivership?

3  
4 MS. CAMERON: Because the Receiver has still stepped in the  
5 shoes of the debtor. What is the difference from a process in the *CCAA* versus a  
6 receivership that should make security deposits no longer a regulatory requirement?

7  
8 THE COURT: I see that Mr. Zahara has turned his camera on. I  
9 am just going to -- I will go back to him.

10

11 MS. CAMERON: Yeah.

12

13 THE COURT: It is a point that I would like to perhaps --

14

15 MS. CAMERON: Yeah.

16

17 THE COURT: I can ask him to do it now or --

18

19 MS. CAMERON: Sure. If you want to have him do it now. As I'd  
20 note though, the definition of licensee does include Receiver. So, again, I don't understand  
21 why the regulatory requirements would be different.

22

23 THE COURT: Okay.

24

25 **Submissions by Mr. Zahara (Stay of Regulatory Action) (Reply)**

26

27 MR. ZAHARA: Yeah. And just a quick point of clarification  
28 because I think my comment was either misheard or misunderstood. The only time that  
29 that applies is if the Orphan Well Association through its delegated authority from the AER  
30 appoints a Receiver. Any other Receiver does not get that privilege. So, that is the only  
31 circumstance where the AER will not consider the debtor in deciding whether or not to do  
32 a Licence Transfer Application. So, it's a very narrow and limited basis and only when the  
33 OWA takes that step, not other parties. So other Receivers are subjected to the same  
34 conditions. That was just the point of clarification.

35

36 THE COURT: Okay. And that is what I had understood as well.

37

38 MS. CAMERON: Okay.

39

40 THE COURT: Is that what you had understood or...?

41

1 MS. CAMERON: No.

2  
3 THE COURT: No.

4  
5 **Submissions by Ms. Cameron (Stay of Regulatory Action) (Reply)**

6  
7 MS. CAMERON: But, again, based on that still, it goes to the  
8 arbitrariness of this, what is being deemed a regulatory requirement to post security.

9  
10 THE COURT: Right. But the distinction being --

11  
12 MS. CAMERON: Who appoints the Receiver --

13  
14 THE COURT: -- that it is only in the circumstance --

15  
16 MS. CAMERON: -- though it's still a Court Receiver, regardless of  
17 who appoints it.

18  
19 But in addition to that, we go to -- there's lots of comments that this Reverse Vesting Order  
20 Share Transaction, it's not a sale. The reality is, Reverse Vesting Orders have become, in  
21 some cases and in some views, perhaps more common than the Courts would like, but they  
22 are an accepted mechanism for the transference of assets and interest through an  
23 insolvency. So, it is in fact a transaction. And while there's been comments about whether  
24 or not the emerging entity would ultimately be successful, the reality is, the AER hasn't  
25 conducted their assessment on that entity yet because the Subscription Agreement hasn't  
26 closed.

27  
28 So, again, the Regulator in this case, after all the court approvals and everything, there  
29 seems to be an assumption that the Subscription Agreement will be deemed to fail. And  
30 respectfully, any of those concerns should have been raised at the time court approval was  
31 sought because otherwise you create significant uncertainty, in fairness, for parties who  
32 participate in insolvency processes where they spend time on due diligence and finding  
33 funds to advance a transaction only to, at the end, 9 months later, be told that no security -  
34 - or that the transaction can't be able to proceed based on an insolvent company's inability  
35 to pay an amount of money.

36  
37 Now, also with respect to the Reverse Vesting Order and Subscription Agreement, there's  
38 lots of comments to this being a \$1 transaction. That's something that's also dealt with and  
39 commented on in the AlphaBow -- or, sorry -- in the *Redwater* decision, that often you  
40 have one of two things that happen. Some people will just take valuable assets, in which  
41 case they're willing to pay an amount of money for it. Or, if they're also taking on liabilities,



1 that offsets the purchase price that you would otherwise receive. The fact that an offer is  
2 for \$1 doesn't mean it's not still a viable or a valuable transaction.

3  
4 With regards to this suggestion that AlphaBow is seeking a permanent injunction, that is  
5 not the case. All we're seeking is while the Stay of Proceedings is in place, that the Alberta  
6 Energy Regulator be stayed from seeking to collect security from AlphaBow Energy. Now,  
7 with regards to the -- now, once AlphaBow exits the *CCAA*, the AER would be entitled to  
8 collect security from AlphaBow. So, it's not a permanent injunction, it's just while  
9 AlphaBow is --

10  
11 THE COURT: In effect it is.

12  
13 MS. CAMERON: -- in these proceedings.

14  
15 THE COURT: In effect is it because once it emerges -- I mean,  
16 it is not going to have the amount.

17  
18 MS. CAMERON: No, but at the end of the day there's the funds in  
19 this Estate, which at some point the Monitor would be seeking to distribute, and it would  
20 be open to the AER at that point in time whether with respect to the initial \$15,000,000  
21 security deposit or some other requirement to assert a claim for those funds. So, it's not  
22 saying that the AER never gets the money that's in the Estate, it's just saying the AER  
23 doesn't get to take it as a mechanism to prevent the transfer from occurring. Because that's  
24 the reality of what occurs here. It's an exercise of discretion in a way that prevents the  
25 transactions that have been approved by this Court from proceeding because of the amount  
26 of quantum that's being sought.

27  
28 And, lastly, counsel for CNRL, what we've heard from multiple parties was that there  
29 should be respect for the Regulator's mandate, and they should be -- the Court shouldn't  
30 interfere with them, but there needs to be a balance between the mandates above the Court  
31 in these proceedings as well as the regulatory regime. And that's what decisions like *Sydco*  
32 and even to an extent *Redwater* seek to deal with. The Regulator's discretion is not  
33 unlimited. And there needs to be a mechanism for companies, even regulated companies,  
34 to extract value from insolvency proceedings and to be able to transact with their assets.  
35 And what's happening in this case through the amount of funds requested by the Regulator  
36 is that it prevents the assets from being able to transact. And now what we've heard is,  
37 Well, if it was an OWA initiated process that things would be different and then things  
38 could transact. But, respectfully, if things could transact in those circumstances, I struggle  
39 to see why it makes sense that further court proceeding time is required when the same  
40 thing should be able to be achieved through the *CCAA* which provides the Court with  
41 significant flexibility.

1  
2 Thank you.

3  
4 THE COURT: Okay.

5  
6 **Decision Reserved (Stay of Regulatory Action)**

7  
8 THE COURT: I will just say I am reserving, obviously.

9  
10 MS. CAMERON: Yeah.

11  
12 THE COURT: Okay. I have signed that order. You will have my  
13 decision in due course. Thank you.

14  
15 MR REID: Thank you.

16  
17  
18 PROCEEDINGS ADJOURNED

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1 **Certificate of Record**

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3 I, Susan Durant, certify that the recording herein is a record of oral evidence in proceedings  
4 held at the Court of King's Bench, in courtroom 1702, at Calgary, Alberta, on the 22nd day  
5 of September, and I was the court official in charge of the sound-recording machine during  
6 these proceedings.  
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1 **Certificate of Transcript**

2  
3 I, Stephanie Johnson, certify that

4  
5 (a) I transcribed the record, which was recorded by a sound recording machine, to the best  
6 of my skill and ability and the foregoing pages are a complete and accurate transcript  
7 of the contents of the record, and

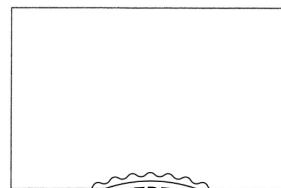
8  
9 (b) the Certificate of Record for these proceedings was included orally on the record and is  
10 transcribed in this transcript.

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20 Stephanie Johnson, Transcriber

21 Order Number: TDS-1093699

22 Dated: October 1, 2025  
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Clerk's Stamp:



COURT FILE NUMBER

2401-05179

COURT

COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE OF

CALGARY

IN THE MATTER OF THE COMPANIES  
*CREDITORS ARRANGEMENT ACT*, R.S.C.  
 1985, c. C-36, as amended



AND IN THE MATTER OF A PLAN OF  
 COMPROMISE OR ARRANGEMENT OF  
 ALPHABOW ENERGY LTD.

DOCUMENT

**AFFIDAVIT**

ADDRESS FOR SERVICE AND  
 CONTACT INFORMATION OF  
 PARTY FILING THIS  
 DOCUMENT:

**BENNETT JONES LLP**

Barristers and Solicitors  
 4500, 855 – 2nd Street S.W.  
 Calgary, Alberta T2P 4K7

Attention: Keely Cameron /Sophie Fiddes  
 Telephone No.: 403-298-3324/3092  
 Fax No.: 403-265-7219  
 Client File No.: 88323.6

**TWELFTH AFFIDAVIT OF BEN LI****Sworn on September 15, 2025**

I, Ben Li, of Calgary, Alberta, SWEAR AND SAY THAT:

1. I am the President and Chief Executive Officer of AlphaBow Energy Ltd. ("**AlphaBow**" or the "**Applicant**"). As such, I have personal knowledge of the matters deposed to in this Affidavit except where stated as based on information and belief, in which case I verily believe the statements to be true.

2. This Affidavit (the "**Twelfth Li Affidavit**") should be read in conjunction with the prior Affidavits which I have sworn in this matter, including the Affidavit sworn by me on April 15, 2024 (the "**First Li Affidavit**"), the Supplemental Affidavit sworn by me on April 24, 2024 (the "**Supplemental Li Affidavit**"), the Affidavit sworn by me on July 15, 2024 (the "**Second Li Affidavit**"), the Affidavit sworn by me on August 15, 2024 (the "**Third Li Affidavit**"), the Affidavit sworn by me on September 9, 2024 (the "**Fourth Li Affidavit**"), the Affidavit sworn by me on October 21, 2024 (the "**Fifth Li Affidavit**"), the Affidavit sworn by me on November 12, 2024 (the "**Sixth Li Affidavit**"), the Affidavit sworn by me on November 18, 2024 (the "**Supplement to Sixth Li Affidavit**"), the Affidavit sworn by me on December 9, 2024 (the "**Seventh Li Affidavit**"), the Affidavit sworn by me on January 27, 2025 (the "**Eighth Li Affidavit**"), the Affidavit sworn by me on February 18, 2025 (the "**Ninth Li Affidavit**"), the Affidavit sworn by me on April 28, 2025 (the "**Tenth Li Affidavit**"); and the Affidavit sworn by me on June 17, 2025 (the "**Eleventh Li Affidavit**").

## I. RELIEF SOUGHT

3. This Affidavit is sworn in support of an application by AlphaBow scheduled for September 22, 2025, for relief under the *Companies' Creditors Arrangement Act*, RSC 1985, c C-36, as amended, (the "**CCAA**"), and specifically an order declaring service of its Application and supporting materials good and sufficient; an extension of the stay of proceedings to March 31, 2026, (the "**Stay Extension**"); and declaration that any request by the Alberta Energy Regulator ("**AER**") for a security deposit from AlphaBow is stayed.

## II. BACKGROUND

4. AlphaBow is an Alberta headquartered oil and gas company. At the commencement of these proceedings, AlphaBow held licenses for 3,785 wells, 4,038 pipelines, and 321 facilities across Alberta (the "**Licensed Assets**"). The Licensed Assets had AER deemed environmental liabilities of approximately \$228,572,914 at the commencement of these proceedings. I understand that due to changes in the way that the AER calculates liabilities, that this number may have since changed.

### A. The Initial AER Orders

5. In July 2022, prior to the commencement of these proceedings, the AER issued an Order against AlphaBow declaring that it posed an unreasonable risk in terms of its ability to meet regulatory obligations in part based on AlphaBow being in arrears with certain creditors.
6. On March 30, 2023, the AER issued a Reasonable Care and Measures Order directing, AlphaBow to, amongst other things, post \$15,374,000 in security (the "**March Order**"). When it was unable to do so, the AER ordered AlphaBow to suspend operations of its Licensed Assets pursuant to a Suspension Order issued on June 5, 2023 (the "**Suspension Order**", collectively with the July Order and March Order, the "**AER Orders**").
7. In September 2023, the AER directed that the Orphan Well Association (the "**OWA**") assume care and custody over the Licensed Assets. The OWA continues to have care and custody over the assets that have not been transferred by the AER. Despite this, AlphaBow continues to maintain insurance in respect of the assets.
8. AlphaBow sought regulatory appeals of the AER's March Order and Suspension Order (the "**Orders**"), as the Orders exacerbated the financial difficulties being experienced by AlphaBow. The AER granted the request, and the regulatory appeals hearing was heard during the last week of November 2023. On February 28, 2024, the AER rendered its decision upholding the issuance of the Orders as reasonable.
9. Following the hearing, AlphaBow had a better understanding of the AER's reasoning and concerns, and reached out to the AER in an attempt to resolve those concerns and obtain certain concessions in respect of the AER Orders. However, it became apparent that no arrangement could be reached with the AER because it continued to insist that Security be posted which AlphaBow could not post.

### B. AlphaBow's Restructuring Efforts

10. On March 28, 2024, AlphaBow commenced restructuring proceedings by filing a Notice of Intention to Make a Proposal pursuant to section 50.4 of the *Bankruptcy and*

*Insolvency Act, R.S.C. 1985, c. B-3*, (the "**NOI**") with KSV Restructuring Inc. appointed as Monitor, and on April 26, 2024, AlphaBow converted its proceedings to those under the CCAA.

11. On April 26, 2024, this Honourable Court granted an Initial Order and Amended and Restated Initial Order, in addition to approving the Sale and Investment Solicitation Process ("**SISP**") and approval of the sale of certain non-operated working interests to Cascade Capture Ltd. ("**Cascade**").
12. To advance the SISP, in September 2024, AlphaBow obtained Court approval of a Claims Process which was necessary for the purpose of identifying cure costs to enable bidders to advance their bids and identify priority amounts that would be payable in the event there were funds available for distribution. In November 2024, AlphaBow sought and obtained clarity regarding whether certain royalty agreements created an interest in land.
13. In conjunction with the SISP, AlphaBow met with the AER to discuss the bids received and the transactions it intended to advance.

### **III. CURRENT STATUS OF ALPHABOW'S RESTRUCTURING EFFORTS**

14. AlphaBow has continued to engage with its stakeholders to facilitate the objectives of these proceedings. This has included responding to general inquiries and other stakeholder requests, such as providing road access.
15. Most significantly, AlphaBow has advanced the Court approved sale and investment solicitation process (the "**SISP**") and received Court approval of transactions resulting from the SISP, which if all of the transactions close and license transfer applications are approved will result in all of AlphaBow's environmental obligations being assumed.

#### **A. Update on the Transactions**

16. AlphaBow has continued to worked diligently to advance the court approved transactions that were approved by Justice Jeffrey at the application on December 19, 2024 (the



"**December Application**") and Justice Lema at the February 25, 2025, Application (the "**February Application**").

17. At the December Application, the Court approved multiple asset transactions and a core corporate transaction that involves two associated asset transactions. The Corporate Transaction involves the assumption of a significant number of assets and environmental liability by way of a corporate sale of AlphaBow to 2628071 Alberta Ltd. ("**2628071**") with certain assets being assumed by way of an asset sale directly to 2628071 and to a related entity, 2628069 Alberta Ltd. ("**2628069**"). The result of these transactions if they close will be that 2628071 will become the sole shareholder of AlphaBow and assume all oil and gas assets and environmental obligations that are not assumed through other asset transactions.
18. The Subscription Agreement for the Corporate Transaction provides AlphaBow with the ability to market and sell assets that fall outside of a core group of assets. Should any of those non-core assets not be sold to Third Parties, they will remain with AlphaBow captured under the Subscription Agreement.
19. Of the 20 transactions that were approved at the December Application and February Application the following transactions have yet to close:
  - (i) The transaction with 2661707 Alberta Ltd. ("**2661707**") which was approved by the Court at the February Application and subsequently revised due to changes in the AER's assessment of the environmental obligations that were to be assumed which resulted in the purchaser being unwilling to assume all of the previously included licensed assets due to concerns related to potential security requests. Closing of this application is subject to the AER approval of the license transfer application. The license transfer application was submitted last week following discussions between the AER and 2661707;
  - (ii) The Corporate Transaction and the asset transactions involving 2628071 and 2628069. The assets transactions require AER approval, the Corporate

Transaction does not. These three transactions were to close concurrently. However, on June 26, 2025, AlphaBow sought and obtained Court approval to amend the Subscription Agreement to enable the Corporate Transaction to close prior to the asset transactions. AlphaBow understands that 2628071 is prepared to proceed with the Subscription Agreement upon receiving approval of the 2628069 transfer application to be completed through its nominee, Cascade Capture Ltd. ("**Cascade**"). 2628071 would then advance the completion of the two remaining transfer applications. This amendment was sought to enable this process to conclude sooner, in order to facilitate the removal of the assets from the Orphan Well Association ("**OWA**") and to maximize recovery to stakeholders through minimizing costs. At the time, 2628071 had not yet obtained AER license eligibility. I understand that 2628071 now has license eligibility.

20. On September 10, 2025, an application brought by AlphaBow seeking to include as a retained contract the CO2 Stream Purchase and Sale Agreement with MEGlobal Canada ULC ("**MEGlobal**"), dated December 1, 2004, as amended (the "**CO2 Agreement**"), free and clear of any liabilities was heard. The application was brought in response to the Purchaser under the Subscription Agreement advising that it was unable to enter into an agreement with MEGlobal and wanted to maintain the CO2 Agreement but was concerned with having to pay amounts claimed by MEGlobal given the significant liabilities it was already assuming and its view that some of these amounts were in essence a penalty. The application was opposed by MEGlobal and the Court reserved its decision.

## **B. AlphaBow's License Transfer Applications**

21. The AER has approved and transferred licenses, pursuant to license transfer applications with the following counterparties:
  - (i) North40 Resources Ltd. (72 wells, 8 facilities, and 13 pipeline licenses were transferred);

- (ii) Signalta Resources Limited (1 well and 1 pipeline license was transferred);
  - (iii) Resistance Energy Ltd. (1 facility license was transferred);
  - (iv) Ember Resources Inc. (16 well, 1 facility and 6 pipeline licenses were transferred);
  - (v) Tykewest Limited (2 well licenses were transferred);
  - (vi) Lucky Strike Energy Ltd. (2 well licenses were transferred); and
  - (vii) Response Energy Corporation (1 well license was transferred).
22. The AER did not request security from AlphaBow in respect of any of these transactions.
  23. On March 4, 2025, AlphaBow and Cascade, submitted a license transfer application for the transfer of 196 wells, 23 facilities and 72 pipeline licenses from AlphaBow to Cascade (the "**License Transfer Application**").
  24. The License Transfer Application is one of four outstanding transactions regarding AlphaBow, outlined above. Transfer of the licenses on acceptable terms is a condition of two of the transactions including the Corporate Transaction which would enable all of AlphaBow's assets to be removed from the OWA, funds from AlphaBow's sales process to be distributed to the AER and municipalities and provide for a solvent party that could bring the assets into compliance and produce the assets for the benefit of Albertans.
  25. Throughout its proceedings, AlphaBow has prioritized these transactions based on the feedback from the AER and OWA that they would not support sales that would leave environmental liabilities behind.
  26. On July 10, 2025, the AER issued a conditional approval decision regarding the License Transfer Application requiring AlphaBow to post security in the amount of \$20,551,822.60 (the "**Conditional Approval Decision**"). A copy of the Conditional Approval Decision issued to AlphaBow dated July 10, 2025, is attached as **Exhibit "A"**.

27. The AER had not requested security from AlphaBow in respect of any other transfer applications and I am told by AlphaBow's counsel that the AER is on the service list for these proceedings and would be aware of AlphaBow's financial capabilities from the cash flow statements.
28. On July 14, 2025, counsel for AlphaBow wrote to the AER explaining its concerns with the Conditional Approval Decision and requested that the Conditional Approval Decision be rescinded. Counsel for AlphaBow also requested a meeting regarding the Conditional Approval Decision as soon as possible. In response, AlphaBow was told that the Conditional Approval Decision was final, and that the funds had to be posted or the application would be closed. A copy of counsel for AlphaBow's letter dated July 14, 2025, and the AER's response dated July 16, 2025, is attached as **Exhibits "B" and "C"**.
29. On July 18, 2025, I wrote to Mr. Rob Morgan, the Chief Executive Officer of the AER to request a meeting to discuss AlphaBow's circumstances and next steps, prior to advancing challenges of the Conditional Approval Decision to see if a resolution could be reached to remove AlphaBow's assets from the OWA in the interest of Albertans. I did not receive a response from Mr. Morgan. A copy of my email to Mr. Morgan dated July 18, 2025, is attached as **Exhibit "D"** (excluding the attachment which is included as Exhibit "B").
30. On July 17, 2025, Cascade wrote a letter to AER Regulatory Applications seeking withdrawal of the License Transfer Application. Cascade indicated that it was fully prepared to address the specific operational and compliance items identified by the AER, and that it planned to submit a new application for the license transfers.
31. On July 18, 2025, the AER Regulatory Applications Branch responded to Cascade, confirming receipt of the withdrawal request and closing the application. The AER indicated that AlphaBow and Cascade could resubmit a transfer application at any time. A copy of the AER's July 18, 2025, letter is attached as **Exhibit "E"**.



32. AlphaBow had sought a regulatory appeal of the Conditional Approval Decision, however, given Cascade's withdrawal, the AER regulatory Applications Branch has viewed the regulatory appeal as moot.

**C. Impact of the Conditional Approval Decision on AlphaBow's Restructuring Efforts and the Orphan Well Fund**

33. The Conditional Approval Decision was made prior to a meeting or other opportunity being afforded to AlphaBow or Cascade to respond to AER's concerns with the transfers. It jeopardizes the three outstanding transactions and risks approximately \$205,518,226 of liabilities remaining with the OWA and its inventory doubling.
34. I am informed by my review of an August 29, 2025, news article titled "cost to clean up orphan wells in Alberta reaches all-time high" that the number of orphan wells in need of cleanup in Alberta has doubled over the last year, with the expected costs to clean up orphan oil and natural gas wells in Alberta reaching an all-time high of over one billion dollars. A copy of the article dated August 29, 2025, is attached as **Exhibit "F"**.
35. The AER's decision creates uncertainty for AlphaBow in terms of whether it should be pursuing the remaining transfer applications, given that the AER's review will take a number of months and there is no certainty that the AER will not continue to request security from AlphaBow.
36. I understand that despite these concerns, the purchasers involved in the outstanding transactions are still interested in working with AlphaBow to see whether closing is possible. Should it not be, AlphaBow would intend to work with the Monitor to remarket the assets.

**IV. SECURITY DEPOSIT AS A DEBTOR OBLIGATION**

I am informed by AlphaBow's counsel, Ms. Cameron, that the Alberta Government amended Section 103(1)(a) of the *Oil and Gas Conservation Act*, RSA 2000, c O-6 ("**OGCA**") to state that a security deposit is a "debtor obligation." Attached hereto as

**Exhibits "G" and "H"** are copies of Section 103 of the OGCA prior to the amendment in 2018, and Section 103 of the current OCGA.

37. I am informed by AlphaBow's counsel, Ms. Cameron, that a review of the Hansard concerning the passage of the *Liabilities Management Statutes Amendment Act, 2020* SA 2020, c 4 ("LMSAA"), which amended the definition of "debtor" in Section 103(1)(a) of the OGCA contains no discussion relating to the purpose behind the amendment to the definition.
38. In addition to amending Section 103, the AER also rescinded its licensee liability rating program and now through *Manual 023: License Life-Cycle Management* advises:

Table 9 and table 10 are provided to give transferors and transferees a sense of what security may be required, but the AER retains its discretion to determine the appropriate amount considering the specific risks and circumstances of the application. Table 9 is for "producer" licensees only, and table 10 is for "midstream, pipelines, and waste management" licensees (defined above in section 2.1.2.1).

**Table 9.** Range of security that may be required at time of transfer based on level of financial distress and crossover timeline for "producer" licensees

Crossover timeline	Level of financial distress		
	Low	Medium	High
Very Far ≥15 years		0–9%	20–35%
Far ≥7 and <15 years	0–9%	20–35%	51–63%
Medium ≥3 and <7 years	20–35%	51–63%	71–79%
Near <3 years	51–63%	71–79%	97–100%

**Table 10.** Range of security that may be required at time of transfer based on level of financial distress for "midstream, pipelines, and waste management" licensees

Peer Groups	Level of financial distress		
	Low	Medium	High
Midstream, Pipelines, and Waste Management	0–9%	20–35%	51–63%

## V. THE STAY EXTENSION

39. During the CCAA Proceedings, AlphaBow has been working diligently and in good faith with the Monitor and the Sales Advisor and continues to do so.
40. Activities taken by AlphaBow since the last application have included:
- (a) taking steps to advance the outstanding transactions to closing, including through seeking to incorporate approved amendments, advancing an application to amend the

Subscription Agreement to retain an agreement that would otherwise go to the creditor's trust and seeking to negotiate extensions to the outside dates under the agreements;

- (b) seeking to understand the AER's concerns;
- (c) seeking to respond to CRA inquiries regarding certain filing requirements;
- (d) responding to multiple requests seeking to lift the stay of proceedings;
- (e) continuing to assist the Monitor with the review of claims under the claims process;
- (f) attending ongoing meetings with the Monitor;
- (g) assisting in the preparation of the cash flow statement; and
- (h) preparing materials for this application.

41. AlphaBow continues to require a stay of proceedings while it continues to work towards closing the remaining transactions.
42. Without the benefit of an ongoing stay of proceedings, AlphaBow anticipates that one or more of its creditors would seek to advance proceedings which would result in a deterioration of funds available for distribution to stakeholders and potentially impede the ability of the remaining transactions to close.
43. In my view, the requested extension is appropriate and will not materially prejudice any of AlphaBow's creditors.

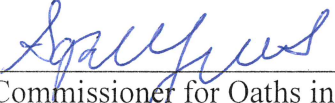
## **VI. CASH FLOW FORECAST**

44. AlphaBow worked with the Monitor to prepare an updated cash flow forecast, a copy of which will be attached to the Tenth Report of the Monitor. AlphaBow projects that it will have sufficient cash to continue these proceedings through to the end of the Stay Extension and pay outstanding post filing obligations.

## VII. CONCLUSION

45. I swear this Affidavit in support of the relief sought in paragraph 4 and for no other or improper purpose.

SWORN BEFORE ME  
at the City of Calgary, Alberta, this  
15<sup>th</sup> day of September 2025.

  
\_\_\_\_\_  
A Commissioner for Oaths in and for the  
Province of Alberta

  
\_\_\_\_\_  
BEN LI

**Sophie Fiddes**  
**Barrister & Solicitor**

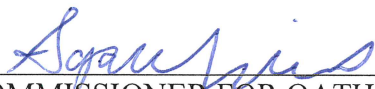


**THIS IS EXHIBIT "A"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



---

A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

**Calgary Head Office**

📍 Suite 1000, 250 – 5 Street SW  
Calgary, Alberta T2P 0R4

tel 403-297-8311

aer.ca

**Application No. 1957129**

July 10, 2025

By email only

Jan Zhao

**AlphaBow Energy Ltd. (BA Code A7H2)**

**Licence Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd.  
Conditional Approval Decision**

**Dear Jan Zhao,**

The Alberta Energy Regulator (AER) received the subject licence transfer application from AlphaBow Energy Ltd. (AlphaBow) to Cascade Capture Ltd. (Cascade) on March 4, 2025, and has now completed its review.

Licence transfer applications are considered in accordance with the requirements of *Directive 088: Licensee Life-Cycle Management (Directive 088)*, section 6, and supplemental guidance within *Manual 23: Licensee Life-Cycle Management (Manual 23)*. The AER conducts a holistic licensee assessment of both applicants to determine whether either one poses any unreasonable risk as a result of the transfer.

The following elements were considered in the AER's review of the subject application:

- The type and status of inventory included in the application.
- The remaining inventory AlphaBow would hold post-transfer, including \$205,518,226.00 in inactive liability.
- AlphaBow's high level of financial distress according to its LCA.
- The financial risk presented by AlphaBow, as it pertains to its ability to address its remaining closure obligations.

*Data referenced on the above list was in effect as of June 16, 2025. Any changes to this data between then and the date of this decision were not considered.*

**The AER has decided to approve the subject application with the following conditions**

- 1) AlphaBow Energy Ltd. must pay security in the amount of \$20,551,822.60, due 30 calendar days from acceptance of this condition.
- 2) AlphaBow Energy Ltd. must submit an updated complete financial summary (*Directive 067* Schedule 3) through OneStop, for the year ending December 31, 2024, due 30 calendar days from acceptance of this condition.

Security was calculated based on 10% of the remaining inactive liability AlphaBow would hold post-transfer. Security calculation is in-line with how security was calculated in [AER Order 202303-58](#), and includes the additional inactive liability AlphaBow has accumulated since March 2023. Application decisions are final and the amount of security that has been calculated as a condition of this approval will not be negotiated or adjusted. Information regarding security deposits and refunds can be found in [Directive 068: Security Deposits](#).

If AlphaBow accepts the conditions, please sign<sup>1</sup> and date the section below and return a completed copy of this letter to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) by July 17, 2025.

Cascade has also been issued a conditional approval decision under separate cover and notified that a conditional approval has been issued to AlphaBow. Security or payment amounts within a conditional approval are only disclosed to the party being conditioned.

AlphaBow and Cascade must each fulfill all conditions required within their conditional approval decision before the transfer will be finalized and a formal licence transfer approval document is issued.

Please notify [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) once AlphaBow has sent payment of the security deposit.

If AlphaBow or Cascade do not agree to the conditions or do not respond to their conditional approval letters by the respective deadlines, the application will be closed. If the application gets closed, AlphaBow and Cascade can resubmit a transfer application at any time.

Regardless of the terms of a sale agreement between parties, the responsibilities and obligations to the AER would remain with AlphaBow as licensee of record.

AlphaBow may file a request for a regulatory appeal against an appealable AER decision if it meets the criteria within section 36 of the *Responsible Energy Development Act*. Filing instructions and forms can be found on the AER's [Regulatory Appeal Process](#) webpage.

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<sup>1</sup> Acceptance of conditions must be executed by an individual with an ability to bind the entity.

If AlphaBow has any questions, please reach out to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca).

**Sincerely,**



Trevor Gosselin, MDS

Director, Transfers, SOC & Support

Regulatory Applications

/ma

Enclosure (1): Security Deposit Submission Form

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Accepted and agreed to on \_\_\_\_\_.

Month, Day, Year

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Signature

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Print Name

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Title

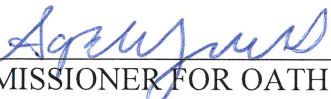
**ALPHABOW ENERGY LTD.**

**THIS IS EXHIBIT "B"**

Referred to in the Affidavit of

**BEN LI**

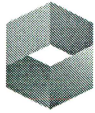
Sworn before me at Calgary, this  
15th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**



Bennett Jones

Bennett Jones LLP

4500 Bankers Hall East, 855 - 2nd Street SW

Calgary, Alberta, Canada T2P 4K7

Tel: 403.298.3100 Fax: 403.265.7219

**Keely Cameron**

**Partner**

Direct Line: 403.298.3324

e-mail: cameronk@bennettjones.com

July 14, 2025

**Via E-Mail (Directive067@acer.ca; Insolvency@acer.ca)**

Alberta Energy Regulator  
Suite 1000  
259 0 5th St SW  
Calgary, AB T2P 0R4

Dear Sir/Madam:

**Re: Conditional Approval Decision – License Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd. (Application No. 1957129)**

We are counsel for AlphaBow Energy Ltd. ("**AlphaBow**") with respect to the above referenced matter. We are writing to respectfully request that the AER rescind its conditional approval decision and schedule a meeting with AlphaBow and the Monitor as soon as possible.

### **Background**

On March 30, 2023, the Alberta Energy Regulator ("**AER**") directed AlphaBow to amongst other things post \$15,374,050 in security, when it was unable to do so, on June 5, 2023, the AER ordered AlphaBow to suspend all of its assets and in September of 2023 directed that the Orphan Well Association to assume care and custody over all of AlphaBow's licensed assets.

On March 28, 2024, AlphaBow filed a Notice of Intention to Make a Proposal pursuant to section 50.4 of the *Bankruptcy and Insolvency Act* and on April 26, 2024 converted its proceedings to those under the *Companies' Creditors Arrangement Act*. On April 26, 2024, AlphaBow also obtained court approval of a sale and investment solicitation process which was overseen by Sayer Energy Advisors. The result of the process was that purchasers were found for all of AlphaBow's assets. The bids received were discussed with the AER on August 21, 2024 and at the request of the AER, AlphaBow sought to have the majority of the transactions approved at the same time, on December 19, 2024 as we had understood that the AER would be taking a holistic approach to its review.

To date, the AER has approved license transfer applications involving the following entities North40 Resources Ltd., Signalta Resources Limited, Resistance Energy Ltd., Ember Resources Inc., Tykewest Limited, Lucky Strike Energy Ltd. and Response Energy Corporation. The most recent approval being



July 14, 2025  
Page 2

on June 18, 2025. The AER did not request security from AlphaBow in respect of any of these transactions.

The transfer application with Cascade Capture Ltd. is one of four outstanding transactions involving AlphaBow. Transfer of the licenses on acceptable terms is a condition for two of the transactions, which include a corporate sale of AlphaBow which would enable all of AlphaBow's assets to be removed from the Orphan Well Association, funds from AlphaBow's sales process to be distributed to the AER and municipalities and provide for a solvent party that could bring the assets into compliance and produce the assets for the benefit of Albertans. The AER has throughout its proceedings prioritized these transactions based on the consistent feedback from the AER that it wanted AlphaBow to address all of its liabilities.

I had been in communications with Ms. Lavelle regarding these transactions on June 24, 2025 and had requested a meeting with the AER to discuss concerns raised for the first time in response to AlphaBow's July 7, 2025 application which sought to enable AlphaBow to advance the corporate transaction earlier so that AlphaBow could proceed with the distribution of proceeds in the estate. As recently as July 10, 2025, we had understood that the AER was still considering the request for a meeting.

### **Concerns with the Decision**

We have numerous concerns with the decision, including:

- the decision was made prior to a meeting or other opportunity being afforded by AlphaBow or Cascade Capture Ltd. to respond to the AER's concerns with the transfers;
- it disregards that AlphaBow is insolvent and that the purpose of the transfer applications being advanced by AlphaBow is to move assets out of the Orphan Well Association;
- it seeks to penalize AlphaBow for its "inactive liability" which is as a direct result of the AER directing that the assets be suspended and does not reflect the value of the assets;
- despite having pushed for AlphaBow to pursue court approval of the majority of transactions together which caused delay and impeded some of the transactions, it appears that the AER has not taken a holistic approach to reviewing the transfer applications or considering the "risk" posed despite AlphaBow's legitimate expectations to the contrary;
- the decision seeks even more security than it had sought prior to AlphaBow's insolvency proceedings despite AlphaBow now having less liability;
- the AER once again seeks security in an amount that it knows AlphaBow does not have;
- the decision jeopardizes the transaction through treating this purchaser differently and seeking to require the purchaser who is already assuming assets that have not operated or been maintained to divert significant funds that it may never get back



July 14, 2025

Page 3

- it seeks to penalize the purchasers who were willing to ensure that none of AlphaBow's assets stay with the Orphan Well Association, when it did not require security to be posted in respect of the purchasers or transfer applications that only involved select assets;
- it appears inconsistent with the AER's purported goal of protecting the orphan fund given that a substantial sales process has already been run and there is no evidence that a better offer would be available;
- it found Cascade Capture Ltd. to have high financial distress when it is a startup and there is no evidence of any distress, it has not commenced operations yet, it has only incurred costs associated with its attempts to acquire assets from AlphaBow;
- it considers outstanding operational issues which are currently under the purview of the Orphan Well Association and appear not to have been addressed despite their obligations to provide care and custody. This supports why the assets should be transferred and the reality that any assumption of distressed assets will require time and resources to address. Such efforts will be impeded by any security request; and
- Given AER amendments to section 103 of the *Oil and Gas Conservation Act* which designate security requests as a debt, it is unclear the ability of the AER to seek to enforce this debt obligation in respect of AlphaBow which would take funds away that would otherwise be distributed to municipalities.

The decision is inconsistent with how the AER treats transfers where the assets are with the orphan fund and risks \$205,518,226 of liabilities remaining with the Orphan Well Association and its inventory doubling. Further it creates a bad precedent which will risk the creation of more zombie companies whereby insolvencies and sales processes are not pursued as the assumption of assets from insolvencies is uneconomic.

We kindly request a response by July 18, 2025 and a meeting with the AER as soon as possible so that it can determine whether the outstanding transactions can proceed and failing which next steps regarding its insolvency process. Further, we kindly request details of the operational concerns noted in the letter to Cascade Capture Ltd.

Yours truly,

  
Keely Cameron

cc: Jeffrey Oliver - Counsel for KSV Restructuring Inc.  
Maria Lavelle - Counsel for Alberta Energy Regulator  
David Mann - Counsel for 2628071 Alberta Ltd. and 2628069 Alberta Ltd.





**THIS IS EXHIBIT "C"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

**From:** Directive088Transfers

**Sent:** Wednesday, July 16, 2025 3:27 PM

**To:** Jan Zhao

**Cc:** Directive088Transfers

**Subject:** Application No. 1957129 - AlphaBow Energy Ltd. to Cascade Capture Ltd. - Decision

Good Afternoon Jan,

The AER is acknowledging receipt of the letter dated July 14, 2025, from Bennett Jones on behalf of AlphaBow Energy Ltd. Further to the AER's decision letter dated July 10, 2025, security was calculated in accordance with section 6.1.2 of *Manual 23*. Application decisions are final and the amount of security that has been calculated as a condition of this approval will not be negotiated or adjusted.

As a reminder, the deadline of July 17, 2025, to accept the conditions for Application No. 1957129 remains.

Thanks,

**LaiLoni Boswell**, Manager

Eligibility, Transfers & Security, Regulatory Applications

**Alberta Energy Regulator**

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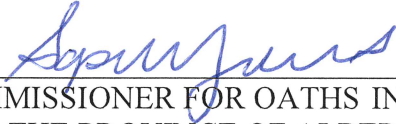
Security Classification: Protected A

**THIS IS EXHIBIT "D"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

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**From:** Ben Li <benli@alphabowenergy.com>  
**Sent:** Friday, July 18, 2025 12:49 PM  
**To:** rob.morgan@aer.ca  
**Cc:** Keely Cameron <CameronK@bennettjones.com>  
**Subject:** AER's Decision Regarding Alphabow's Asset Sale

Mr. Morgan,

I am the CEO of AlphaBow Energy Ltd., I am writing to request a meeting to discuss AlphaBow's circumstances and next steps as it seeks to conclude its insolvency process. I can confirm that the meeting is not sought to discuss any current applications of AlphaBow as the AER will be closing the relevant application. While I initially sought a meeting with your transfer and insolvency teams, that request appears to have been rejected which is why I am seeking to escalate the matter.

By way of background, I became CEO of AlphaBow at a time that it was struggling financially and was working on a plan to address its liquidity challenges when the AER deemed AlphaBow a "material risk" of insolvency which compounded its financial challenges, which were subsequently worsened when the AER then sought over \$15 million in security, rejected AlphaBow's payment plan and then directed all of AlphaBow's assets to be shut in and then orphaned at great cost to the industry.

Notwithstanding challenges that other struggling companies have faced given the AER's approach to insolvencies, AlphaBow was committed to ensuring all of its environmental obligations were addressed and the costs incurred by the orphan fund repaid. As a result, it ran a robust sales process that resulted in purchasers being found for all of AlphaBow's assets and sales proceeds generated that would enable payment to the orphan fund. Additionally, one of our purchasers has even offered to post security of approximately \$13 million with the AER for the assets they are assuming. As I am sure you are aware from your experience, not all companies would be prepared to post large amounts of security, where they are taking on significant environmental liabilities and assets that have been with the OWA for almost a year and will require significant costs and steps to bring

into compliance.

The results of the sales process were discussed with the AER almost a year ago and further meetings and engagement occurred to try to ensure that the AER was ok with the steps taken in these proceedings. At the request of the AER, AlphaBow sought to advance the majority of its applications for court approval of sales together at an application in December, despite the challenges that doing so posed as it required them to delay transactions that were otherwise prepared to close which ultimately resulted in a few purchasers reducing their offers. We proceeded with the understanding that the AER intended to consider the transfer applications holistically, however, it does not appear that this occurred. Rather, the AER approved select transactions with no conditions, waiting until the final four transactions to once again seek a significant security deposit from AlphaBow as well as the purchaser, seeking collectively approximately \$25 million. In doing so, they have penalized the parties willing to take the largest amounts of liability on, disincentivizing the behavior they told us to pursue. They have also sought more money from AlphaBow than previously sought, despite AlphaBow having less liabilities and have sought an amount that once again they know AlphaBow does not have.

Our counsel sent the attached letter to the AER to request a meeting and rescission of the decision. In response we were told that the decision was final and the funds had to be posted or the application will be closed. As AlphaBow cannot pay the funds sought, we understand that the application is being closed. Prior to potentially advancing challenges of the AER's decision and positions advanced therein, we would like to have a meeting with the AER to better understand their position and expectations to see if a resolution can be reached in the interest of Albertans. We had thought that we were aligned in seeking to get all of AlphaBow's assets out of the orphan fund but now it seems that the AER is seeking to block the transactions that would do so, after having approved other transactions without any security request from AlphaBow. Had the AER articulated concerns earlier with these transactions or expectations regarding a significant security request, that may have impacted the transactions that were pursued.

The amount of liability at issue is over \$200 million. AlphaBow continues to want to work with the AER to find an outcome that is in the best interest of all stakeholders, but we cannot do so when the AER will not be transparent on its expectations and work with us on a resolution. The longer that the sale of these

assets is delayed, the greater risk that they will remain with the orphan fund. If that is the AER's intention, it would be helpful to know this so that AlphaBow does not expend further time and effort trying to sell assets if the AER has determined they are not prepared to permit such transactions to proceed.

I thank you for your consideration and look forward to hearing from you.

Regards

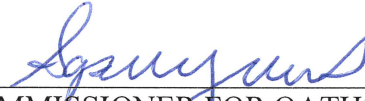
Ben Li  
CEO of Alphabow Energy Ltd.

**THIS IS EXHIBIT "E"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



---

A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes  
Barrister & Solicitor**



**Calgary Head Office**

📍 Suite 1000, 250 – 5 Street SW  
Calgary, Alberta T2P 0R4

tel 403-297-8311

aer.ca

**Application No. 1957129**

July 18, 2025

By email only

Jan Zhao

**AlphaBow Energy Ltd. (BA Code A7H2)**

Kevin Gunning

**Cascade Capture Ltd. (BA Code A97Y)**

**Licence Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd.  
Withdrawn**

**Dear Jan Zhao and Kevin Gunning,**

The Alberta Energy Regulator (AER) received the subject licence transfer application from AlphaBow Energy Ltd. (AlphaBow) to Cascade Capture Ltd. (Cascade) on March 4, 2025, initiating a review with respect to the requirements of *Directive 088: Licensee Life-Cycle Management* and supplemental guidance within *Manual 23: Licensee Life-Cycle Management*.

This letter is to confirm receipt of Cascade's withdrawal request dated July 17, 2025, and confirm the application has now been closed.

AlphaBow and Cascade can resubmit a transfer application at any time. Regardless of the terms of a sale agreement between parties, the responsibilities and obligations to the AER remain with AlphaBow as licensee of record.

If AlphaBow or Cascade have any questions, please reach out to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca).

**Sincerely,**

A handwritten signature in black ink, appearing to read "Nicole McCulloch".

**Nicole McCulloch**

Specialist, Eligibility, Transfers & Security

Regulatory Applications

📞 **Inquiries** 1-855-297-8311

📞 **24-hour emergency** 1-800-222-6514

📧 [inquiries@aer.ca](mailto:inquiries@aer.ca)



**THIS IS EXHIBIT "F"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

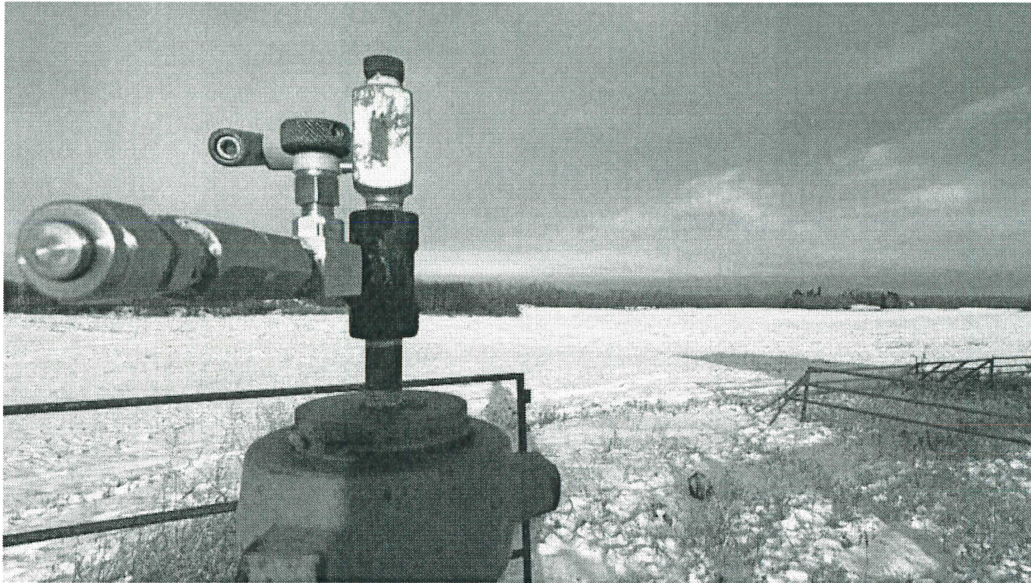
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Calgary

## Cost to clean up orphan wells in Alberta reaches all-time high

More orphans expected as multiple companies in bankruptcy

Kyle Bakx · CBC News · Posted: Aug 29, 2025 2:00 AM MDT | Last Updated: August 29



Inactive wells that are not properly plugged and cleaned up could leak contaminants into the soil and air. (Kyle Bakx/CBC)

The expected cost to clean up orphan oil and natural gas wells in Alberta has surpassed one billion dollars — reaching an all-time high.

The number of orphan wells in need of cleanup nearly doubled over the last year to reach 3,388 compared to 1,719 the previous year.

In Alberta, any unsold wells, pipelines and facilities following the bankruptcy of an oil and gas company are declared orphans and become the responsibilities of the Orphan Well Association (OWA) to decommission and remediate.

The recent spike in workload for the OWA follows the end of Sequoia Resource's insolvency process, which began in 2018. There are 1,800 Sequoia wells that need to be decommissioned, in addition to 565 sites requiring only reclamation.

"The Sequoia impact is huge. We kind of knew it would be huge. I still think it might be a little bigger than I expected," said Drew Yewchuk, a former staff lawyer with the University of Calgary's Public Interest Law Clinic who closely follows the issue.



This natural gas well near Two Hills, Alta. had been inactive since 2012, and its owner Sequoia Resources ceased operations in 2018. The bankruptcy proceedings were eventually completed in 2024. (Kyle Bakx/CBC)

As of March 31, 2025, the OWA estimate total cleanup costs to total about \$1.12 billion, according to the organization's annual report released this summer.

The OWA could face another rise in cleanup costs as another five oil and gas companies are in the midst of bankruptcy, which are expected to wrap up in the next year or two. The OWA is involved in the insolvencies and the organization anticipates the result will be an influx of orphans.

"It's tough to predict exactly how much they'll pick up from those bankruptcies, but it's probably going to be in the few-hundred-million-dollar range," said Yewchuk.

The OWA is funded largely through an annual levy determined by the Alberta Energy Regulator (AER) and paid by the oil and gas industry. The levy was increased two years ago to \$135 million.

- **Alberta's oilsands to hit record production high in 2025**
- **Alberta now on track for even bigger budget deficit, now at \$6.5B**

Last year, the OWA estimated it would take until 2036 to clean up all the orphans. That timeline has now been extended, since it will more likely be between 2037 and 2040, said OWA president Lars DePauw in an interview with CBC News.

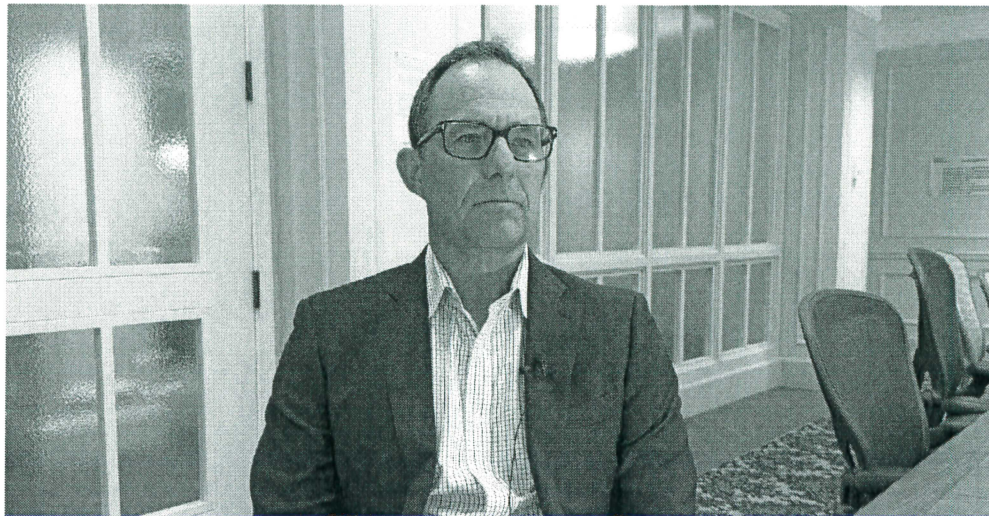
"That does depend on a number of components, such as what happens with the levy. The AER did increase it and we are expecting to see some other increases [in the



future]," he said.

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The number of orphans has continued to increase, although DePauw expects that trend to slow in a few years as regulatory changes by the AER are proving to be effective so far.



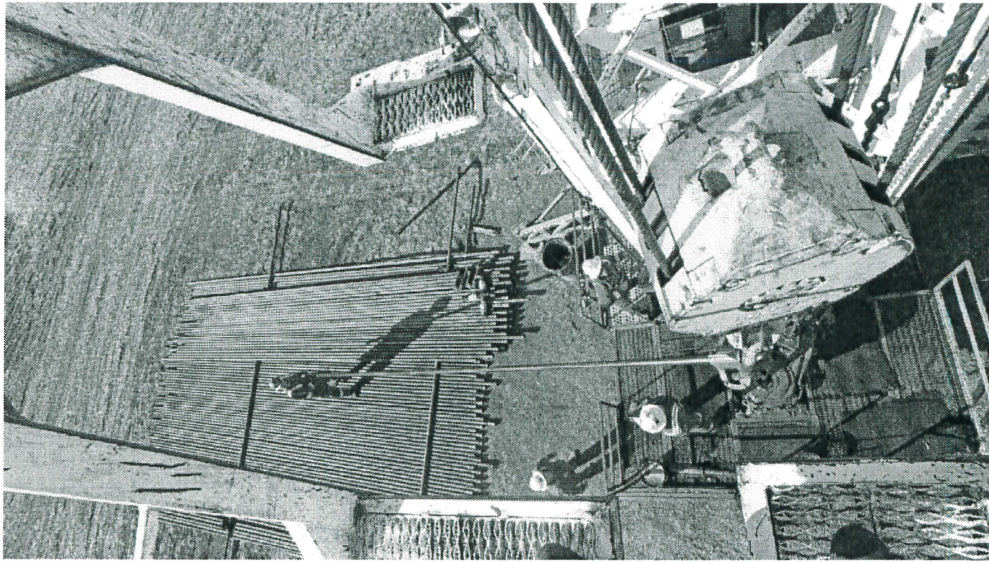
The number of Sequoia natural gas wells and other infrastructure is a large number to clean up, said Lars DePauw, president of the Orphan Well Association, as seen during a 2024 interview. (Kyle Bakx/CBC)

The record level of clean-up work facing the OWA underscores the need for increased funding for the agency, said Yewchuk.

The annual levy "should go to at least a few multiples of what it is now," he said, since "there will be problems. It's an up and down industry. There are lots of foreseeable problems for the oil and gas industry coming, and it's aging in Alberta."

"Instead of having these really long-term plans, the industry should be using periods of high prices to clean up and prepare for downturns. And instead they are still sort of assuming that good times will last forever, and planning to have long, long periods of good oil and gas prices," said Yewchuk.

Some of the levy funds are used each year to pay back loans from the provincial and federal government, which currently total about \$360 million.



An aerial view as a well pipe is pulled up out of the ground during the decommissioning of a old natural gas well in Alberta in 2020. (Kyle Bakx/CBC)

In some previous years, the OWA has been able to decommission about 1,000 wells a year.

"That's sort of our peak, and so we are expecting to ramp up to that level again," said DePauw.

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**THIS IS EXHIBIT "G"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



---

A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

# Oil and Gas Conservation Act, RSA 2000, c O-6

 French Version

**This statute replaces RSA 1980, c O-5.**

**This version is not the latest.**

Past version: in force between 2017-06-07 and 2020-06-14

Link to the latest  
version : <https://canlii.ca/t/824r>

Stable link to this  
version : <https://canlii.ca/t/52zk1>

Citation to this version: Oil and Gas Conservation Act, RSA 2000, c O-6, <<https://canlii.ca/t/52zk1>>  
retrieved on 2025-09-11

## OIL AND GAS CONSERVATION ACT

### Chapter O-6

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of Alberta, enacts as follows:

#### Interpretation

**1(1)** In this Act,

- (a) “abandonment”, subject to section 68(a), means the permanent dismantlement of a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a permanently safe and secure condition;
- (b) “abandonment costs”, subject to section 68(b), means the reasonable costs actually incurred in the abandonment of a well or facility;
- (c) “agent” means an agent appointed under section 91;
- (d) “allowable”, when that term is used in connection with a well, means the amount of oil or gas a well is permitted to produce, in accordance with an order of the Regulator for this purpose, after application of



## Enforcement of lien

### 103(1) In this section,

- (a) “debtor” means a person who is indebted to the Regulator for any costs, levy, fee, penalty or other amount;
- (b) “payor” means
  - (i) a purchaser, operator or other person who owes money to or holds or receives money on behalf of a debtor as a result of a sale of the debtor’s proportionate share of any gas, oil or other hydrocarbon produced from a well or facility, and
  - (ii) a person who holds or receives revenue owing to the debtor resulting
    - (A) from the use of a well or facility by another person, or
    - (B) from the provision of services by the debtor.
- (2) The Regulator has a lien in respect of a debtor’s debt on the debtor’s interest in any wells, facilities and pipelines, land or interests in land, including mines and minerals, equipment and petroleum substances, and when it arises, the lien has priority over all other liens, charges, rights of set-off, mortgages and other security interests.
- (3) The Regulator’s lien arises when the debtor fails to satisfy the debt when due, and expires on full satisfaction of the debt.
- (4) The Regulator may enforce its lien by serving on the debtor and the payor a notice of garnishment in the form prescribed by the regulations or rules.
- (5) On receipt of a notice of garnishment, the payor shall forward to the Regulator for payment on account of the debt owing to the Regulator all money and revenue referred to in subsection (1)(b) that is then owing or later becomes owing to the debtor.
- (6) The obligation to make payments under subsection (5) continues until the Regulator advises the payor that the debt has been paid in full.
- (7) Any payment to the Regulator on the account of the debtor under this section is deemed to be a payment to the debtor and releases the payor from liability in debt to the debtor to the extent of the payment.
- (8) A payor who fails to comply with a notice of garnishment is guilty of an offence.
- (9) A payor who fails to comply with a notice of garnishment or makes payment to a debtor in contravention of the notice of garnishment is indebted to the Regulator for an amount equal to the amount the payor is required to pay pursuant to the notice of garnishment or the amount of the payment made to the debtor, whichever is less.

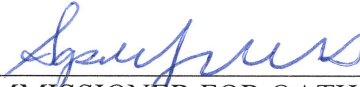


**THIS IS EXHIBIT "H"**

Referred to in the Affidavit of

**BEN LI**

Sworn before me at Calgary, this  
15th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND  
FOR THE PROVINCE OF ALBERTA

**Sophie Fiddes**  
**Barrister & Solicitor**

# Oil and Gas Conservation Act, RSA 2000, c O-6

EN French Versio  
FR

**This statute replaces RSA 1980, c O-5.**

Current version: in force since 2025-06-11

Link to the latest version <https://canlii.ca/t/824r>

①:  
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Stable link to this version <https://canlii.ca/t/56k7z>

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on 2025-09-11

Currency: This statute is current to 2025-06-11 according to the Alberta King's printer

## OIL AND GAS CONSERVATION ACT

### Chapter O-6

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of Alberta, enacts as follows:

#### Interpretation

**1(1)** In this Act,

- (a) “abandonment”, subject to section 68(a), means the permanent dismantlement of a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a permanently safe and secure condition;
- (b) “abandonment costs”, subject to section 68(b), means the reasonable costs actually incurred in the abandonment of a well or facility;
- (c) “agent” means an agent appointed under section 91;
- (d) “allowable”, when that term is used in connection with a well, means the amount of oil or gas a well is permitted to produce, in accordance with an order of the Regulator for this purpose, after application of any

## Enforcement of lien

### 103(1) In this section,

- (a) “debtor” means a person who is indebted to the Regulator for any costs, levy, fee, penalty, deposit or other form of security or other amount;
- (b) “payor” means
  - (i) a purchaser, operator or other person who owes money to or holds or receives money on behalf of a debtor as a result of a sale of the debtor’s proportionate share of any gas, oil or other hydrocarbon produced from a well or facility, and
  - (ii) a person who holds or receives revenue owing to the debtor resulting
    - (A) from the use of a well or facility by another person, or
    - (B) from the provision of services by the debtor.
- (2) The Regulator has a lien in respect of a debtor’s debt on the debtor’s interest in any wells, facilities and pipelines, land or interests in land, including mines and minerals, equipment and petroleum substances, and when it arises, the lien has priority over all other liens, charges, rights of set-off, mortgages and other security interests.
- (3) The Regulator’s lien arises when the debtor fails to satisfy the debt when due, and expires on full satisfaction of the debt.
- (4) The Regulator may enforce its lien by serving on the debtor and the payor a notice of garnishment in the form prescribed by the regulations or rules.
- (5) On receipt of a notice of garnishment, the payor shall forward to the Regulator for payment on account of the debt owing to the Regulator all money and revenue referred to in subsection (1)(b) that is then owing or later becomes owing to the debtor.
- (6) The obligation to make payments under subsection (5) continues until the Regulator advises the payor that the debt has been paid in full.
- (7) Any payment to the Regulator on the account of the debtor under this section is deemed to be a payment to the debtor and releases the payor from liability in debt to the debtor to the extent of the payment.
- (8) A payor who fails to comply with a notice of garnishment is guilty of an offence.
- (9) A payor who fails to comply with a notice of garnishment or makes payment to a debtor in contravention of the notice of garnishment is indebted to the Regulator for an amount equal to the amount the payor is required to pay pursuant to the notice of garnishment or the amount of the payment made to the debtor, whichever is less.

RSA 2000 cO-6 s103;2012 cR-17.3 s97(31),(32),(33);

2020 c4 s1(18)

COURT FILE NUMBER 2401-05179

COURT COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE CALGARY

PROCEEDING IN THE MATTER OF THE COMPANIES'  
CREDITORS ARRANGEMENT ACT.  
R.S.C., c. C-36, as amended

AND IN THE MATTER OF A PLAN OF  
COMPROMISE OR ARRANGEMENT OF  
ALPHABOW ENERGY LTD.



**DOCUMENT AFFIDAVIT OF TREVOR GOSSELIN**

ADDRESS FOR SERVICE AND CONTACT  
INFORMATION OF PARTY  
FILING THIS DOCUMENT

MILLER THOMSON LLP  
Barristers and Solicitors  
525 – 8<sup>th</sup> Avenue SW, 43<sup>rd</sup> Floor  
Calgary, AB, T2P 1G1

Attention: James W. Reid / Dakota Bailey  
Telephone: 403-298-2418 / 780-429-9777  
Email: [jwreid@millerthomson.com](mailto:jwreid@millerthomson.com)  
[dbailey@millerthomson.com](mailto:dbailey@millerthomson.com)

File No. 0277932.0008

**AFFIDAVIT OF TREVOR GOSSELIN**

**Affirmed on September 18, 2025**

I, Trevor Gosselin, of the City of Calgary, in the Province of Alberta, SOLEMNLY AFFIRM AND SAY THAT:

1. I am the Director of Transfers, Statements of Concern and Support, in the Regulatory Applications Branch at the Alberta Energy Regulator (the "AER"). As such I have personal knowledge of the matters deposed to in this Affidavit except where stated as based on information and belief, in which case I believe the statements to be true.
2. I have reviewed the business records maintained by the AER in respect of the matters at issue, which I believe were made in the ordinary and usual course of business, and where I do not have direct personal knowledge of matters deposed herein, my knowledge is derived from my review of the business records of the AER, relevant copies of which are attached to this Affidavit.
3. Where I refer to matters pertaining to the approval of license transfer applications for other entities which I did not have direct involvement in, my information is derived from files maintained by the AER and publicly available data.

4. I am authorized to make this Affidavit on behalf of the AER.
5. This Affidavit is sworn in response to an application by AlphaBow Energy Ltd. ("**AlphaBow**") in the *Companies' Creditors Arrangement Act* (Canada) proceedings (the "**CCAA Proceedings**") seeking, among other things, an order declaring that the AER's request for a security deposit from AlphaBow is stayed and the failure by AlphaBow to pay security cannot be relied upon for the purposes of considering whether to approve a license transfer application (the "**Security Deposit Relief**").

#### **AER AUTHORITY AND MANDATE**

6. The AER is a corporation established by the *Responsible Energy Development Act*, SA 2012, c R-17.3. and acts as the sole regulator of oil and gas activities in the province of Alberta.
7. The AER's interest, and statutory authority as a Regulator is to ensure safe and responsible development of energy resources in a manner that protects public safety and the environment. The AER is involved in this Action to ensure that that no impairment or damage results from AlphaBow's insolvency and field-related activities.

#### **PRE-FILING AER ORDERS ISSUED TO ALPHABOW**

8. Over the course of four years (2019 - 2022), the AER became concerned with AlphaBow's continued failure to meet its regulatory obligations. The AER employed various tools from its compliance assurance framework including education, requests for information, notices of non-compliance, and others, culminating in the limiting of its ability to acquire new licenses in July 2022 and ultimately in orders issued in March and June, 2023.
9. In order to protect the public and the environment, it is a basic requirement for the AER to ensure that all licensees are capable of preventing damage to their wells, pipelines and sites.
10. On March 30, 2023, the AER became concerned that AlphaBow was unable to provide reasonable care and measures for its sites. The AER issued an order (the "**March 2023 Order**"), a true copy of which is attached as **Exhibit "A"**.
11. The March 2023 Order required, among other things, AlphaBow to submit: (i) a reasonable care and measures plan covering a range of operational matters; (ii) an abandonment plan for all mineral lease expired wells; (iii) updated information including proof of insurance and financial information; and (iv) to post security in the amount of \$15,374,050, representing 10% of its then inactive license liability.
12. On June 5, 2023, the AER issued a Suspension Order for AlphaBow under section 27 of the *Oil and Gas Conservation Act* (Alberta) ("**OGCA**"), suspending its licenses and sites (the "**June 2023 Order**"). The June 2023 Order followed from AlphaBow's failure to comply with the March 2023 Order. The June 2023 Order was a temporary measure until AlphaBow had the ability to comply with the March 2023 Order and submit an acceptable plan to safely reactivate its sites. A true copy of the June 2023 Order is attached as **Exhibit "B"**.
13. On April 21, 2023, AlphaBow filed a request for regulatory appeal of the March 2023 Order, and on June 9, 2023, AlphaBow filed a request for regulatory appeal of the June 2023 Order. The AER

held a public oral hearing of AlphaBow's appeals of both Orders from November 27 to December 1, 2023.

14. On February 28, 2024, the AER panel that heard the regulatory appeals released its decision confirming the appropriateness of the AER's issuance of both the March 2023 Order and the June 2023 Orders. A true copy of the regulatory appeal decision is attached as **Exhibit "C"**.
15. On September 6, 2023, the AER directed the Orphan Well Association to provide reasonable care and measures of AlphaBow's licences and sites, and to suspend all of its sites. AlphaBow did not request a regulatory appeal of this direction.
16. As of the date of this Affidavit, the AlphaBow sites remain suspended and under the safe care and custody of the Orphan Well Association.

#### **ALPHABOW'S POST-FILING LICENSE TRANSFER APPLICATIONS**

17. In my role, I am a statutory decision-maker (an "**SDM**") on license transfer applications submitted to the AER. In making my decisions, I follow the process set out in section 5 of the AER's *Manual 23: Licensee Life-Cycle Management* ("**Manual 23**") on license transfer applications. A true copy of Manual 23 is attached hereto as **Exhibit "D"**.
18. Manual 23 includes a holistic assessment of both the license transferor and transferee to determine the scope of risk that each party presents both before and after the proposed license transfer.
19. Per section 2 of *Directive 088: Licensee Life-Cycle Management* ("**Directive 088**"), the holistic assessment includes multiple factors that provide insight into a company's ability to manage its regulatory and liability obligations, including the necessary cleaning up of its sites. This includes the following:
  - a. The factors listed in section 4.5 of *Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licenses and Approvals* to determine whether a licensee poses an unreasonable risk;
  - b. Licensee capability assessment factors;
  - c. Any other factors as appropriate in the circumstances.

A true copy of Directive 088 is attached hereto as **Exhibit "E"**.

20. Section 6 of Manual 23 provides the process for determining the security posting obligations of both the license transferor and transferee. This includes consideration of the value of liability as calculated under the AER's *Directive 011: Estimated Liability* ("**Directive 011**"), any site-specific liability, future cash-flows based on reserves and economic analysis, and any other factors that the AER considers appropriate in the circumstances. A true copy of Directive 011 is attached hereto as **Exhibit "F"**.
21. For each of the Court-approved transaction in these CCAA Proceedings the AER considered and applied the process set out in Manual 23 for each license transfer application, some of which are described below.



**North40**

22. On March 27, 2025, I approved a license transfer application from AlphaBow to North40 Resources Ltd. ("**North40**"). This license transfer application consisted of 72 wells, 8 facilities and 13 pipeline licenses.
23. No conditions were assessed for AlphaBow as the license transfers applied for did not significantly impact AlphaBow's ability to manage its ongoing regulatory and liability obligations.
24. The transfer to North40 was approved on the condition that North 40 provide Site Specific Liability Assessment cost estimates for a particular site by a specified deadline.

**Signalta**

25. On March 27, 2025, I approved a license transfer application from AlphaBow to Signalta Resources Limited ("**Signalta**") consisting of 1 well and 1 pipeline license.
26. I assessed no security or other conditions on either party as this was a small transfer that was not materially significant to the ability of either party to manage its respective regulatory and liability obligations.

**Ember**

27. On February 21, 2025, I approved a license transfer application from AlphaBow to Ember Resources Inc. ("**Ember**") consisting of 16 wells, 1 facility and 6 pipeline licenses.
28. I assessed no security or other conditions on either party as this was again a smaller sized transfer that was not materially significant to the ability of either party to manage its regulatory and liability obligations.

**Tykewest**

29. On February 13, 2025, I approved a license transfer application from AlphaBow to Tykewest Limited ("**Tykewest**") consisting of 2 well licenses.
30. I assessed no security or other conditions on either party as this was a small transfer that was not materially significant to the ability of either party to manage its regulatory and liability obligations.

**Lucky Strike Energy**

31. On June 13, 2025, it appears from my review of the records of the AER, that another SDM, Ms. Boswell ("**Ms. Boswell**"), approved a license transfer application from AlphaBow to Lucky Strike Energy Ltd. ("**Lucky Strike Energy**") consisting of 2 well licenses.
32. Ms. Boswell assessed no security or other conditions on either party as this was a small transfer that was not materially significant to the ability of either party to manage its regulatory and liability obligations.

**Response Energy**

33. On June 13, 2025, it appears from my review of the records of the AER, that Ms. Boswell approved a license transfer application from AlphaBow to Response Energy Corporation ("**Response Energy**") consisting of 1 well license.
34. Ms. Boswell assessed no security or other conditions on either party as this was a small transfer that was not materially significant to the ability of either party to manage its regulatory and liability obligations.
35. In each of the foregoing approved license transfers, the AER's holistic assessment of the license transferor both before and after the proposed license transfer, was that no security was required to be posted by AlphaBow. This is because in each case, AlphaBow remained maintained ownership of, and the licenses for, its core revenue generating and viable assets, which would permit it to continue to manage its regulatory obligations.

**THE LICENSE TRANSFER APPLICATION**

36. On March 4, 2025, the AER received a license transfer application (the "**License Transfer Application**") from Alphabow to Cascade Capture Ltd. ("**Cascade**"). I understand that Cascade is the nominee purchaser of what is described in the Eleventh Report of the Monitor (the "**Monitor's 11<sup>th</sup> Report**") as the 069 AB, 071 AB, and 707AB Transactions (the "**Related Asset Transactions**").
37. The License Transfer Application was far more significant than each of the previously referenced post-filing license transfer applications. The License Transfer Application is almost three times the size of the other post-filing license transfer applications combined and consists of AlphaBow's core asset base.
38. Specifically, the License Transfer Application consisted of 196 wells, 23 facilities and 72 pipeline licenses, for a total of 291 license transfers.
39. On July 10, 2025, I conditionally approved the license transfer application from AlphaBow to Cascade pursuant to conditional approval letters.
40. By a conditional transfer approval letter dated July 10, 2025 (the "**Cascade Conditional Approval Letter**"), Cascade was required to post \$4,930,964.30 in security and to meet several operational conditions described therein. A copy of the Cascade Conditional Approval Letter is attached hereto as **Exhibit "G"**.
41. By a conditional transfer approval letter dated July 10, 2025 (the "**AlphaBow Conditional Approval Letter**") and together with the Cascade Conditional Approval Letter, the "**Conditional Approval Decision**") AlphaBow was required to post security in the amount of \$20,551,822.60, representing only 10% of its estimated inactive liability calculated applying regional liability estimates set out in Directive 011 of \$205,518,226. A copy of the AlphaBow Conditional Approval Letter is attached hereto as **Exhibit "H"**.
42. AlphaBow was also required to submit an updated financial summary for the year ending on December 31, 2024, in accordance with the requirements in schedule 3 of Directive 067: *Eligibility*



*Requirements for Acquiring and Holding Energy Licenses and Approvals ("Directive 067"). A true copy of Directive 067 is attached hereto as **Exhibit "I"**.*

## THE ALPHABOW SECURITY DEPOSIT ASSESSMENT

43. The AER requires that AlphaBow post security to mitigate the significant risk that AlphaBow will not be able to meet its regulatory and liability obligations, which would pose a risk to both the public and the environment.
44. In particular, following the proposed License Transfer Application and Related Asset Transactions, AlphaBow will be left with over 3000 inactive wells, of which only 184 are economically viable if reactivated.
45. The AER is aware that the remaining licensed assets will be retained under the existing AlphaBow entity through a reverse vesting order, whose ownership has intentions to have the company re-emerge as a going concern. However, the income from the remaining licensed assets, if reactivated, would be markedly insufficient to meet AlphaBow's ongoing environmental obligations. For further context, AlphaBow currently consists of just under 8000 licenses consisting of wells, facilities and pipelines.
46. In assessing the security required for AlphaBow pertaining to the License Transfer Application, I took into account: (i) the large amount of inactive inventory and the high inactive liability associated with the properties that would be remaining with AlphaBow post license transfer; (ii) AlphaBow's high level of financial distress based on the Licensee Capability Assessment; and (iii) the lack of significant assets remaining with AlphaBow to manage clean up obligations associated with this vast properties.
47. In technical terms, this assessment concluded that AlphaBow's cross-over is 'NEAR.' Cross-over estimates the sum of future revenues from all the licensee's licensed conventional wells and the anticipated estimated inactive and abandoned well liability as it changes over the years. 'NEAR' in accordance with Manual 023 means that this cross-over point is estimated to occur in less than three years. It predicts that there is not enough economic value remaining in the AlphaBow inventory to meet end of life obligations. Beyond the licenses in the transfer, there are approximately 7,600 other licenses (over 3400 wells and 285 facilities) that require closure.
48. Although AlphaBow suggests in its application materials that the AER is treating it unfairly, it is important to note that the 10% security deposit on its estimated liabilities as required by the Conditional Approval Decision is a substantially reduced amount. Pursuant to Table 9 of Manual 23, the security deposit calculation requirements typically provide that security deposits for companies in the financial condition of AlphaBow are to be in the amount of 97-100% of inactive well liability, which in this case would be approximately \$200 million. I selected 10% of inactive well liability as that is consistent with the approach taken in the March 2023 Order and is a good faith effort to try and accommodate AlphaBow in its restructuring process.
49. Table 9 from Manual 23 is reproduced below:

**Table 9. Range of security that may be required at time of transfer based on level of financial distress and crossover timeline for "producer" licensees.**

Crossover timeline	Level of financial distress		
	Low	Medium	High
Very Far $\geq 15$ years		0–9%	20–35%
Far $\geq 7$ and $< 15$ years	0–9%	20–35%	51–63%
Medium $\geq 3$ and $< 7$ years	20–35%	51–63%	71–79%
Near $< 3$ years	51–63%	71–79%	97–100%

### THE ALPHABOW REQUEST FOR REGULATORY APPEAL

50. As set out in the Conditional Approval Decision, the AER provided AlphaBow until July 17, 2025 to accept the conditional approval for the requested license transfers. The Conditional Approval Decision also advised that if AlphaBow disagreed with the conditional approval conditions it could file a request for a regulatory appeal.
51. On July 14, 2025, AlphaBow wrote to me requesting a meeting to discuss the Conditional Approval Decision. I declined this meeting on July 16, 2025. As an SDM, I am not permitted to meet with applicants during an appeal period. As set out in the Conditional Approval Decision, the AER's decision was made pursuant to the applicable legislation and regulatory requirements. Once the decision is made, an applicant may accept the conditions or request a regulatory appeal to an independent review panel.
52. On August 8, 2025, AlphaBow filed a request for regulatory appeal (the "**Regulatory Appeal Request**") of the conditions set out in the Conditional Approval Decision. A true copy of AlphaBow's Regulatory Appeal Request is attached hereto as **Exhibit "J"**.
53. Contrary to the statement at page 8 of the Monitor's 11<sup>th</sup> Report that the appeal was declared invalid, the decision on the Regulatory Appeal Request is pending. A decision on the Regulatory Appeal Request is expected before January 16, 2026.
54. On July 17, 2025, Cascade withdrew the License Transfer Application. Attached hereto as **Exhibit "K"** is a true copy of Cascade's withdrawal request.
55. Now that Cascade has withdrawn its License Transfer Application, the Regulatory Appeal Request may not matter, since there is no underlying license transfer application before the AER.
56. Like all licensees, AlphaBow had the opportunity to request a pre-application meeting before Cascade submitted the License Transfer Application. It did not exercise this option.
57. In contrast, on its own initiative, Cascade met with the AER on October 15, 2024, November 25, 2024 and January 10, 2025 to discuss licensee eligibility and the transfer application process.
58. Without providing the security required by the Conditional Approval Decision, the transactions giving rise to the License Transfer Application fail to adequately protect the orphan fund (the "**Orphan Fund**"). The purpose of the Orphan Fund, established under the OGCA, is to fund the closure and reclamation costs of oil and gas facilities that are no longer the responsibility of a

financially viable or responsible owner. In particular, without AlphaBow posting the significantly reduced security required by the Conditional Approval Decision, there is serious risk that AlphaBow, with its remaining properties, will be unable to satisfy the costs of providing reasonable care and measures to prevent impairment or damage to its wells and facilities, nor will it be able to satisfy the remediation and reclamation costs in respect of its wells, sites, and facilities. As a result, the Orphan Fund and the Orphan Well Association (the "OWA") would bear the costs of such outcomes.

59. If the Cascade transaction proceeds without security, AlphaBow will have been stripped of almost all of its productive assets and the company acquiring the shares of AlphaBow and its remaining assets will simply be incapable of addressing its regulatory obligations associated with those assets. Without security, the AER will have no way of mitigating the risk to the public and the environment and the burden will fall once again to the Orphan Fund and the OWA. This has been a pattern in previous insolvency cases in this Alberta.
60. Without the AER being able to impose and enforce the security requirements in accordance with its statutory and regulatory mandate, it is my belief that it will pose a serious risk to public safety and the environment.

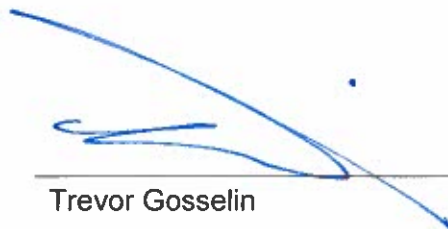
# **THE APPLICATION IS CONTRARY TO PREVIOUS ORDERS IN THIS PROCEEDING**

61. Had the AER been made aware that AlphaBow was seeking to forego its regulatory obligations before the Court approved the Related Asset Transactions that led to the License Transfer Application, the AER would have objected to Court approval of such transactions.

AFFIRMED BEFORE ME at the City of )  
Calgary in the Province of Alberta, this 18<sup>th</sup> )  
day of September, 2025. )  
)  
)  
)  
)  
)  
)  
)



A Commissioner for Oaths in and for the  
Province of Alberta



Trevor Gosselin

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**

This is Exhibit "A" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON  
BARRISTER & SOLICITOR**

Made at Edmonton, in the  
Province of Alberta, on

March 30, 2023

ALBERTA ENERGY REGULATOR

**Under sections 26.2 and 27 of the *Oil and Gas Conservation Act (OGCA)*, sections 1.100 and 12.152 of the *Oil and Gas Conservation Rules (OGCR)*, and section 22.1 of the *Pipeline Act***

**AlphaBow Energy Ltd.**

Suite 300, 708 – 11 Ave SW  
Calgary, AB T2R 0E4

(AlphaBow or the Licensee)

WHEREAS AlphaBow is the holder of Business Associate (BA) code A7H2, and holds licences granted by the Alberta Energy Regulator (AER or Regulator) under the *OGCA* and *Pipeline Act* as listed in Appendix 1 (collectively, the Licences);

WHEREAS there is physical infrastructure associated with the Licences, including wells, well sites, facilities, facility sites, and pipelines (collectively, the Sites);

WHEREAS on July 28, 2022, as a result of finding that AlphaBow posed an unreasonable risk, the AER restricted AlphaBow's licence eligibility status to Limited due, in part, to a below industry average (and decreasing) field compliance rating; compliance history; assessed capability to meet their regulatory and liability obligations throughout the energy development life cycle; contradictory indications from AlphaBow regarding their ability to meet the 2022 mandatory closure spend target; and, outstanding debts including municipal taxes, surface lease payments, et cetera (LE Letter);

WHEREAS in the LE Letter, AlphaBow was expected to maintain a satisfactory field compliance rating of 75% and maintain improvement;

WHEREAS AlphaBow's field compliance rating remains below industry average and has been declining from 76% satisfactory in 2019 to 54% satisfactory in 2022, with 2023 preliminary results indicating a further decline to 42% satisfactory;

WHEREAS the AER is aware of a number of instances where AlphaBow failed to provide requested information prior to deadlines, including attestations and declarations under *Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals*, inspections, releases, and updates per the LE Letter;

WHEREAS on October 25, 2022, the AER issued a notice of noncompliance to AlphaBow for not immediately notifying the AER of a pipeline leak, as required under the *Pipeline Act*;

WHEREAS in a November 22, 2022, meeting with AlphaBow the AER shared concerns regarding AlphaBow's inconsistency in responding to the AER's information requests and meeting regulatory deadlines;

WHEREAS regarding releases FIS 20202316, 20220010, 20221771, 20222035, and 20222332, AlphaBow informed the AER that spill remediation, including not submitting remedial action plans, has been delayed or not completed due to failure to pay an environmental contractor(s);

WHEREAS in a January 31, 2023, email regarding contravention reporting under the *Environmental Protection and Enhancement Act (EPEA)* (FIS 20230280), AlphaBow informed the AER of a contravention with *EPEA* Approval 11796 air and groundwater requirements, indicating the causes of the contravention as lack of funds, resources, and staffing issues;

WHEREAS in a February 15, 2023, email regarding a release (FIS 20192713), AlphaBow informed the AER that it was unable to complete the remediation plan in 2022 due to lack of resources and funds;

WHEREAS in a March 9, 2023, email, AlphaBow informed the AER that no groundwater monitoring was completed in 2022 at a number of contaminated sites;

WHEREAS the AER requested the interim quarterly financial statements for September 2022 at the November 22, 2022, meeting and in emails dated December 6, 2022, March 1, 2023, and March 27, 2023, and as of the date of this Order, AlphaBow has not submitted them;

WHEREAS in an email dated March 21, 2023, the AER requested insurance coverage information (i.e., insurance renewal for 2023) in accordance with *Directive 067*. AlphaBow responded, "We should have quotation finalized this Friday and the renew should be done early of next week". As a result of AlphaBow's response, the AER extended the deadline to March 28, 2023. As of the date of this Order, no response from AlphaBow has been received;

WHEREAS the AER has issued notices of noncompliance to AlphaBow regarding the abandonment of 296 wells due to mineral lease expiries (see Appendix 2);

WHEREAS as of the date of this Order, the deadlines in the notices of noncompliance for 24 of the mineral lease-expired wells have passed without coming into compliance (Overdue MLE Wells), see Appendix 2;

WHEREAS as of March 28, 2023, the Inactive Well List, available on the AER website, has identified 748 wells as noncompliant with *Directive 013: Suspension Requirements for Wells* requirements;

WHEREAS as of March 28, 2023, the Liability Assessment Report in OneStop shows approximately \$153 million in estimated inactive liability, which is equal to approximately 58% of AlphaBow's total liability;

WHEREAS as of the date of this Order, AlphaBow remains on Limited Eligibility as AlphaBow has not demonstrated that it no longer poses an unreasonable risk and has not demonstrated improvement;

WHEREAS in section 2 of *Directive 088: Licensee Life-Cycle Management* the licensee capability assessment assesses the capabilities of licensees to meet their regulatory and liability obligations across the energy development lifecycle;

WHEREAS the AER assessed the following capabilities of AlphaBow: financial health; management and maintenance of regulated infrastructure and sites, including compliance with operational requirements; rate of closure activities and spending and pace of inactive liability growth; and compliance with administrative regulatory requirements, including the management of debts (LCA Factors);

WHEREAS the licensee capability assessment identifies AlphaBow as highly financially distressed with a high liability magnitude;

WHEREAS the AER has reviewed the LCA Factors and is of the opinion that AlphaBow does not have the capability to meet its regulatory and liability obligations across the energy development lifecycle;

WHEREAS per section 1.100(2) of the *OGCR*, the Regulator may require a licensee to provide a security deposit at any time where the Regulator considers it appropriate to do so to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment;

WHEREAS per section 12.152(1) of the *OGCR*, a “licensee shall provide financial and reserves information to the Regulator as and when directed by the Regulator for the purposes of (a) assessing licensee eligibility, ... or (c) otherwise to ensure the safe, orderly and environmentally responsible development of energy resources in Alberta including closure;

WHEREAS per section 27(1) of the *OGCA*, “a licensee or approval holder shall...abandon a well or facility when directed by the Regulator or required by the regulations or rules”;

WHEREAS Tyler Callicott, Director, Enforcement and Emergency Management (Director), has authority to issue orders under the *OGCA* and *Pipeline Act*;

WHEREAS based on the above, and in particular, AlphaBow’s compliance history and indications of financial distress, the Director is of the opinion that AlphaBow is not providing reasonable care and measures in a manner satisfactory to the Regulator and finds it necessary to impose terms and conditions to prevent impairment or damage in respect of the Sites;

WHEREAS the Regulator (Director) considers it appropriate to require AlphaBow to provide a security deposit to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment;



WHEREAS the Regulator (Director) considers it appropriate to direct AlphaBow to provide financial information to ensure the safe, orderly and environmentally responsible development of energy resources in Alberta including closure;

WHEREAS the Director is of the opinion that the mineral lease-expired wells require abandonment according to the regulations and rules and finds it necessary to further direct the abandonment of these wells;

Therefore, I, Tyler Callicott, Director, Enforcement and Emergency Management, under sections 26.2 and 27 of the *OGCA*, sections 1.100 and 12.152 of the *OGCR*, and section 22.1 of the *Pipeline Act*, do hereby order the following:

### **Reasonable Care and Measures**

1. **By 30 days from the date of this Order**, submit a Reasonable Care and Measures Plan (RCAM Plan), to the satisfaction of the Director, to demonstrate that reasonable care and measures are being provided at the Sites. The RCAM Plan must include, at a minimum:
  - a. Specific actions, including timelines, to improve AlphaBow's compliance rating to at least 75%, and actions that will be taken to address all outstanding noncompliances.
  - b. Specific actions to ensure AlphaBow will respond to noncompliances, incidents, information requests, and required reporting by the deadlines set by the AER.
  - c. Specific actions that will be taken to ensure AlphaBow is able to respond in the event of an incident or emergency, including actions and timelines to address all previous releases (e.g., release reporting and remedial action plans).
  - d. Specific actions, including timelines, to monitor already identified sites requiring monitoring and/or remedial work, including groundwater and soil monitoring (e.g., contaminated site monitoring, sites that require monitoring as an approval condition)
  - e. Specific actions, including timelines and resourcing details, to ensure that the 2023 annual mandatory spend, under *Directive 088*, is met.
  - f. A summary of all outstanding debts including municipal taxes, surface lease payments, outstanding royalties, and public land disposition fees, and specific actions, including timelines, to satisfy these debts.
2. AlphaBow must implement the RCAM Plan as approved by the Director.

### **Other Terms and Conditions**

3. **By 30 days from the date of this Order**, submit an Abandonment Plan with specific actions and timelines, to the satisfaction of the Director, to abandon all mineral lease-expired wells, including the abandonment of the Overdue MLE Wells within **six (6) months** from the date of this Order, if not



already managed under the January 11, 2023, approved Closure Plan as part of the Alternative Payment Plan for Security Owing in relation to the 2021 ABC Program.

4. **By April 1, 2023**, submit proof of insurance as required under section 4.2 of *Directive 067*.
5. **By 30 days from the date of this Order**, electronically update working interest participant information on OneStop for the wells and facilities licenced to AlphaBow.
6. AlphaBow must maintain persons in control of the Sites and corporation in order to ensure reasonable care and measures to prevent impairment or damage in respect of the Sites, and must:
  - a. confirm in writing the names, titles, and contact information of all persons in direct or indirect control of AlphaBow (e.g., directors, officers, and shareholders) no later than **five (5) calendar days** from the date of this Order.
  - b. immediately inform the AER in writing of any changes to the persons in direct or indirect control.
  - c. immediately inform the AER in writing of any other material changes, as described in section 5 of *Directive 067*.
7. AlphaBow must submit:
  - a. the interim quarterly financial statements for September 2022 within **2 (two) days** of the date of this Order;
  - b. future interim quarterly financial statements within **30 days** of the end of the respective annual quarter;
  - c. third-party audited annual financial statements and a financial summary (Directive 067, Schedule 3), **once finalized, or within 180 days of fiscal year end**.
8. **By 30 days from the date of this Order**, post a security deposit in the amount of \$15,374,050.00, which represents 10% of AlphaBow's inactive liability, to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment.

### General

9. All Plans and information required in this Order shall be submitted to [compliancecoordination@aer.ca](mailto:compliancecoordination@aer.ca) and [tyler.callicott@aer.ca](mailto:tyler.callicott@aer.ca).
10. If requested by the Director, AlphaBow shall submit, within **two (2) business days**, any records pertaining to this Order.

11. All submissions of work related to reasonable care and measures, or the completion of abandonment or reclamation shall be submitted in the format, and to the appropriate AER system, as required by AER regulations.
12. Where a deadline has been specified in this Order, the AER may authorize in writing a different deadline or reporting frequency as applicable.
13. In carrying out the requirements of this Order, AlphaBow shall obtain and comply with all required federal, provincial, or municipal permits and governing legislation and provide to the AER all authorizations obtained immediately upon receipt.
14. All applicable regulatory requirements are to be followed and complied with in the undertaking of any actions or direction prescribed under this Order.

Dated at the City of Edmonton in the Province of Alberta, the 30th day of March, 2023.

*<original signed by>*

Tyler Callicott  
 Director, Enforcement and Emergency Management  
 Alberta Energy Regulator

In complying with this order, the party or parties named must obtain all approvals necessary, notwithstanding the above requirements.

This order in no way precludes any enforcement actions being taken regarding this matter under the *OGCA*, *OGCR*, or *Pipeline Act* or any other provincial or federal legislation, or by any other regulator with jurisdiction.

All enforcement actions issued by the AER may be subject to a follow-up review to confirm previous commitments have been completed and measures have been implemented, to ensure similar noncompliances are prevented in the future. The AER may request any information that demonstrates steps have been taken to prevent repeat noncompliances from occurring.

Under the *Responsible Energy Development Act*, an eligible person may appeal decisions that meet certain criteria. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request according to the AER's requirements. You can find filing requirements and forms on the AER website, [www.aer.ca](http://www.aer.ca), under Regulating Development: Project Application: Regulatory Appeal Process.

## **Appendices 1 and 2 Redacted for Compliance Dashboard Posting**

This is Exhibit "B" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON  
BARRISTER & SOLICITOR**

Made at Edmonton, in the  
Province of Alberta, on

June 5, 2023

ALBERTA ENERGY REGULATOR

**Under section 27 of the *Oil and Gas Conservation Act (OGCA)*, and section 23 of the *Pipeline Act***

**AlphaBow Energy Ltd.**

Suite 300, 708 – 11 Ave SW

Calgary, AB T2R 0E4

(AlphaBow, or the Licensee)

WHEREAS AlphaBow is the holder of Business Associate (BA) code A7H2, and holds licences granted by the Alberta Energy Regulator (AER or the Regulator) under the *OGCA* and *Pipeline Act* as listed in Appendix 1 (collectively, the Licences);

WHEREAS there is physical infrastructure associated with the Licences, including wells, well sites, facilities, facility sites, and pipelines (collectively, the Sites);

WHEREAS on July 28, 2022, the AER found that AlphaBow posed an unreasonable risk and restricted AlphaBow's licence eligibility status to Limited, due in part to AlphaBow's decreasing field compliance rating, compliance history and its assessed lack of capability to meet its regulatory and liability obligations throughout the energy life cycle;

WHEREAS on March 30, 2023, the AER issued an Order (the March Order) to AlphaBow under sections 26.2 and 27 of the *OGCA*, sections 1.100 and 12.152 of the *Oil and Gas Conservation Rules (OGCR)*, and section 22.1 of the *Pipeline Act*, due in part to concerns that AlphaBow was not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, and to mitigate the risks of AlphaBow's assessed lack of capability to meet its regulatory and liability obligations throughout the energy life cycle;

WHEREAS the March Order required AlphaBow to submit a Reasonable Care and Measures Plan (RCAM Plan) to the satisfaction of the Director within thirty (30) calendar days to demonstrate that reasonable care and measures were being provided at the Sites;

WHEREAS the March Order required AlphaBow to submit an Abandonment Plan to the satisfaction of the Director to abandon all mineral-lease expired wells within six (6) months if not already managed under the January 11, 2023, approved Closure Plan as part of the Alternative Payment Plan for Security

owing in relation to the 2021 Area Based Closure Program;

WHEREAS the March Order required AlphaBow to electronically update the working interest participant (WIP) information on OneStop for the wells and facilities licenced to AlphaBow within thirty (30) days;

WHEREAS the March Order required AlphaBow to post a security deposit in the amount of \$15,374,050.00, representing 10% of AlphaBow's inactive liability, to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and the environment within thirty (30) days;

WHEREAS the AER extended the thirty-day deadline for clauses 1, 3, 5, and 8 of the March Order until May 15, 2023;

WHEREAS on May 12, 2023, AlphaBow made a submission to the AER indicating it had attempted to update its WIP information but experienced difficulties with AER systems;

WHEREAS the AER acknowledges that AlphaBow had updated some of its WIP information and was complying with the WIP requirement in the March Order;

WHEREAS the May 12, 2023, submission included an RCAM Plan and a statement that AlphaBow was committing to bringing every mineral lease-expired well (MLE wells) into compliance within 12 months by March 31, 2024;

WHEREAS the AER reviewed the RCAM Plan and informed AlphaBow that it was not sufficient for approval due to several deficiencies, including but not limited to, lacking specific actions and timelines, failure to provide actions and identify changes that would result in improvement in AlphaBow's overall compliance with AER regulations, failure to specifically address how AlphaBow would change its programs to improve its field compliance rating to the industry average, failure to address outstanding noncompliances, lack of detail regarding how and when the medium risk type 6 wells would be brought into compliance, no details on how AlphaBow will meet its 2023 annual mandatory spend, and insufficient details regarding all outstanding debts and the actions and timelines to satisfy these debts;

WHEREAS on June 2, 2023, in an email to the AER, AlphaBow stated that "This last action of shutting in 60% of its sites is AlphaBow's final action to address stated AER concerns to ensure proper custody and care of its sites, protect the environment and ensure safety.";

WHEREAS on May 23, 2023, AlphaBow submitted a proposal regarding the payment of the required \$15,374,050.00 security deposit, proposing that it would not provide the security deposit but would continue to meet or exceed its annual minimum mandatory spend;

WHEREAS on May 23, 2023, the AER informed AlphaBow that its proposal regarding the security deposit was not acceptable to the Director as it did not contain a plan or proposal for meeting the requirement in the March Order;

WHEREAS on May 29, 2023, AlphaBow submitted a proposal stating it would "... put \$1,921,756 in

escrow with a Calgary legal firm for the sole purpose of AER Manual 23 voluntary spend” every 3 months over eight quarters, with the option to reduce the amount, as an alternative to the required security deposit of \$15,374,050.00;

WHEREAS the alternative proposal does not meet the requirements of sections 3 and 4 of *Directive 068: Security Deposits*, which states the AER will only accept either a cheque drawn on the account of the licensee, a cheque drawn on a legal trust account in the name of the licensee, a money order identifying the licensee, a bank draft identifying the licensee, or a renewable irrevocable letter of credit issued by an eligible financial institution in the exact legal name of the licensee;

WHEREAS on May 25, 2023, AlphaBow made a submission of an abandonment plan to the AER;

WHEREAS the AER reviewed the Abandonment Plan and informed AlphaBow that it was not sufficient for approval due to several deficiencies, including but not limited to, lacking the month and year abandonment activities were planned for each well, no dates and commitments to abandon each well, a timeline was not provided for reacquiring mineral rights to 53 wells and an alternative plan for abandonment if AlphaBow is unable to obtain the mineral rights was not provided, and 94 of the MLE wells were not listed in the plan;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER titled “Exhibit 1” regarding the Abandonment Plan for the MLE wells;

WHEREAS the Director has reviewed the Abandonment Plan and is of the opinion it is acceptable, and that AlphaBow has complied with Clause 3 of the March Order;

WHEREAS in the May 24, 2023, submission, AlphaBow proposed, beginning with the quarter ending June 30, 2023, to provide third party “Review Engagement” statements, and would provide the “Review Engagement” for beginning with the year ended December 31, 2023, in lieu of audited financial statements;

WHEREAS on May 26, 2023, the AER informed AlphaBow that its proposal to provide “Review Engagement” statements in lieu of audited annual year-end statements was not acceptable;

WHEREAS on May 29, 2023, AlphaBow made a submission to the AER stating it was not possible to comply with the deadline for audited 2022 year-end financial statements and proposed a Review Engagement Report for the 2022 year-end financial statements;

WHEREAS on May 31, 2023, the AER voluntarily granted an extension until August 31, 2023, for submission of third party audited 2022 year-end financial statements;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER and stated it would commence audited financial statements for the 2022 year-end and provide them once finalized and would provide future annual third party audited financial statements with 180 days or once finalized;

WHEREAS on April 4, 2023, the AER issued invoices to AlphaBow for the 2023 Administration Fee and

the 2023 Orphan Fund Levy (OFL), with payment due prior to May 4, 2023;

WHEREAS on May 15, 2023, the AER issued two Notices of Noncompliance including a 20% penalty for late payment for failure to pay the 2023 Administration Fees for a total amount owing of \$619,787.79;

WHEREAS on May 15, 2023, the AER issued a Notice of Noncompliance including a 20% penalty for late payment for failure to pay the 2023 OFL for a total amount owing of \$1,442,184.94;

WHEREAS as of the date of this Order, AlphaBow has failed to pay both the 2023 Administration Fees and the 2023 OFL;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER, and regarding the 2023 Administration Fee and 2023 OFL stated “AlphaBow will pay these amounts shortly after the March 30 Order is lifted or rescinded as this will up deposit amounts being required due to the Order.”;

WHEREAS Tyler Callicott, Director, Enforcement and Emergency Management (the Director), has authority to issue orders under the *OGCA* and the *Pipeline Act*;

WHEREAS based on the above, the Director is of the opinion that AlphaBow is noncompliant with clauses 1 and 8 of the March Order;

WHEREAS the Director is of the opinion that AlphaBow is not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, based in part on AlphaBow’s failure to provide an acceptable RCAM Plan, and finds it is necessary to suspend the wells and facilities and discontinue the pipelines listed in Appendix 1;

WHEREAS the Director believes that issuing this order is necessary, as a result of AlphaBow’s failure to comply with the March Order, to safeguard the public interest by preventing AlphaBow from continuing to breach AER requirements and orders, and in order to protect public safety and the environment;

WHEREAS the Director is of the opinion that AlphaBow poses a risk for being unable to fulfil its end-of-life closure responsibilities for the Sites;

Therefore, I, Tyler Callicott, under section 27 of the *OGCA*, and section 23 of the *Pipeline Act* do hereby order the following:

#### **Required Actions- Suspension/Discontinuation**

1. All of the AlphaBow Licences in Appendix 1 are hereby suspended.
2. All AlphaBow Sites must be suspended in a safe manner that is acceptable to the AER within **fourteen (14) calendar days** from the date of the Order.
  - a. All wells and facilities listed in Appendix 1 must be suspended following safe industry recognized practices.



- b. AlphaBow must risk rank all pipelines listed in Appendix 1, and as such those with the highest potential for failure and adverse effect to the environment must be of the highest priority when conducting the discontinuation work.
  - c. All pipelines listed in Appendix 1 must be discontinued according to AlphaBow's internal pipeline operations and maintenance manual (POMM) and AlphaBow's pipeline integrity and management program (PIMP), and in accordance with the *Pipeline Act* and the *Pipeline Rules*.
3. Any hazards on the Sites that present a risk to public safety or the environment, must be immediately reported to the AER and addressed in a manner acceptable to the AER no later than **fourteen (14) calendar days** from the date of this Order.
  4. Within **ninety (90) calendar days** from the date of this Order, AlphaBow must ensure all its wells meet the suspension requirements set out in *Directive 013: Suspension Requirements for Wells*.
  5. Any containment devices or equipment including, but not limited to, tanks, vessels, pipelines, lease piping, sumps, drains, tubs, containers, pits, or containment rings on any of the AlphaBow Sites must be depressurized, emptied (with all fluids removed from site and disposed of in a manner acceptable to the AER), and rendered safe in a manner acceptable to the AER no later than **ninety (90) calendar days** from the date of this Order;

### Reporting

6. AlphaBow must provide in writing to the Director, within **fourteen (14) calendar days** from the date of this Order, confirmation that all AlphaBow Sites, wells, and pipelines have been suspended and discontinued in accordance with Clause 2 of this Order.
7. Beginning **fourteen (14) calendar days** from the date of this Order, AlphaBow must provide written updates every two (2) weeks to the Director with details on the progress of the work required under Clauses 4 & 5 of this Order.
8. AlphaBow must provide in writing to the Director, within **ninety (90) calendar days** from the date of this Order, confirmation that all AlphaBow Sites have been suspended and the pipelines discontinued per Clauses 2, 4, and 5 of this Order, to the satisfaction of the Director.

### Additional Terms and Conditions – Reactivation Plan

9. In addition to the requirements of this Order, prior to the Director considering lifting the suspension of operations, AlphaBow must:
  - a. Come into compliance with the March Order.
  - b. Come into compliance with the 2023 Administrative Fee and the 2023 Orphan Fund Levy.

- c. Submit a Reactivation Plan to the Director for review and approval. At a minimum, the Reactivation Plan must include details of actions and timelines for completion of these actions, to safely reactivate the AlphaBow Sites, including verifying the integrity of AlphaBow's wells, facilities, and pipelines prior to resumption of operation.
- d. Implement the Reactivation Plan as approved by the Director.

## General

- 10. All plans and information required in this Order shall be submitted to ComplianceCoordination@aer.ca and Tyler.Callicott@aer.ca.
- 11. If requested by the Director, AlphaBow shall submit, within **two (2) business days**, any records pertaining to this Order.
- 12. All submissions of work related to reasonable care and measures, or the completion of abandonment or reclamation shall be submitted in the format, and to the appropriate AER system, as required by AER regulations.
- 13. Where a deadline has been specified in this Order, the AER may authorize in writing a different deadline or reporting frequency as applicable.
- 14. In carrying out the requirements of this Order, AlphaBow shall obtain and comply with all required federal, provincial, or municipal permits and governing legislation and provide to the AER all authorizations obtained immediately upon receipt.
- 15. All applicable regulatory requirements are to be followed and complied with in the undertaking of any actions or direction prescribed under this Order.

Dated at the City of Edmonton in the Province of Alberta, the 5<sup>th</sup> day of June, 2023.

*<Original signed by>*

Tyler Callicott  
Director, Enforcement and Emergency Management  
Alberta Energy Regulator

In complying with this order, the party or parties named must obtain all approvals necessary, notwithstanding the above requirements.

This order in no way precludes any enforcement actions being taken regarding this matter under the *OGCA* or *Pipeline Act*, or any other provincial or federal legislation, or by any other regulator with jurisdiction.

All enforcement actions issued by the AER may be subject to a follow-up review to confirm previous commitments have been completed and measures have been implemented, to ensure similar noncompliances are prevented in the future. The AER may request any information that demonstrates steps have been taken to prevent repeat noncompliances from occurring.

Under the *Responsible Energy Development Act*, an eligible person may appeal decisions that meet certain criteria. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request according to the AER's requirements. You can find filing requirements and forms on the AER website, [www.aer.ca](http://www.aer.ca), under Regulating Development: Project Application: Regulatory Appeal Process.

**Appendix 1: AlphaBow Energy Ltd. Wells, Pipelines, Facilities**

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	WB0001560	00/03-09-031-14W4/0	Issued	03-09-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0496079	00/02-15-043-26W4/0	Issued	06-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0495861	02/06-25-042-26W4/0	Issued	09-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0495145	00/03-02-043-26W4/0	Amended	08-34-042-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0494486	00/09-15-043-26W4/0	Issued	08-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0493569	00/02-02-043-26W4/0	Amended	06-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0492015	04/09-21-040-01W4/0	Issued	01-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0492014	03/09-21-040-01W4/0	Issued	01-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0492013	02/09-21-040-01W4/0	Issued	01-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0492012	00/09-21-040-01W4/0	Issued	01-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0464937	02/16-30-040-01W4/0	Issued	13-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0464925	00/10-30-040-01W4/0	Issued	06-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0464790	00/16-30-040-01W4/0	Issued	13-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0463451	02/14-06-042-25W4/0	Issued	16-12-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0463451	02/14-06-042-25W4/0	Issued	16-12-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0462761	00/13-26-042-26W4/0	Issued	03-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0462761	00/13-26-042-26W4/0	Issued	03-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0460662	02/01-25-036-08W4/0	Issued	16-24-036-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0460104	02/16-24-036-08W4/0	Suspension	16-24-036-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0459972	00/12-09-040-12W4/0	Suspension	12-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0459854	02/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0459312	03/12-29-040-12W4/0	Suspension	10-29-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0459007	03/14-30-036-07W4/0	Issued	13-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458996	03/07-19-040-12W4/0	Issued	11-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458901	02/14-30-036-07W4/0	Issued	13-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458725	02/09-09-040-12W4/0	Amended	01-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458647	00/09-09-040-12W4/0	Issued	01-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458454	02/03-19-040-12W4/0	Suspension	11-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458423	02/07-19-040-12W4/0	Suspension	11-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0458031	00/12-03-035-10W4/0	Suspension	07-03-035-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457809	12/02-32-040-11W4/0	Issued	15-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457758	04/09-29-040-12W4/0	Suspension	13-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457753	08/13-28-040-12W4/0	Suspension	12-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457699	03/14-28-040-12W4/0	Issued	12-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457553	11/16-29-040-11W4/0	Issued	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0457542	10/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457287	04/01-28-040-10W4/0	Suspension	01-28-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457196	03/01-28-040-10W4/0	Suspension	01-28-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0457078	00/01-24-042-26W4/0	Amended	05-25-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0457078	00/01-24-042-26W4/0	Amended	05-25-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0457058	00/12-18-042-25W4/0	Amended	09-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0457058	00/12-18-042-25W4/0	Amended	09-24-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0456606	02/01-28-040-10W4/0	Suspension	16-21-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0456428	00/14-16-040-14W4/0	Suspension	06-16-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0456360	06/03-20-040-12W4/0	Issued	03-20-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0456211	06/02-27-040-10W4/0	Issued	15-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455963	10/02-32-040-11W4/0	Issued	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455919	11/02-32-040-11W4/0	Amended	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455911	11/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455789	04/11-22-040-10W4/0	Suspension	11-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455788	06/13-22-040-10W4/0	Suspension	11-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455715	05/03-27-040-10W4/0	Suspension	06-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0455518	05/10-22-040-10W4/0	Suspension	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0454530	02/10-32-040-10W4/0	Suspension	02-32-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0454354	02/13-23-040-13W4/0	Suspension	06-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0454351	05/02-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0454348	06/01-33-040-07W4/0	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0454142	05/03-33-040-07W4/0	Suspension	06-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0453902	03/08-23-040-13W4/0	Issued	06-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0453790	04/02-33-040-07W4/0	Issued	07-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0453779	03/02-33-040-07W4/0	Suspension	02-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0453427	00/06-16-040-13W4/0	Issued	01-17-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0453419	00/03-16-040-13W4/0	Issued	01-17-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450750	02/16-06-040-12W4/0	Suspension	14-06-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450749	00/01-23-040-13W4/0	Suspension	03-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450608	00/13-13-040-13W4/0	Issued	14-13-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450234	06/07-22-040-07W4/0	Suspension	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450226	05/07-22-040-07W4/0	Issued	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450218	04/07-22-040-07W4/0	Issued	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450215	02/10-22-040-07W4/0	Issued	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0450075	00/15-30-039-12W4/0	Suspension	13-29-039-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0450006	03/02-22-040-07W4/0	Suspension	15-15-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0449697	00/11-35-033-08W4/0	Suspension	09-34-033-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0448390	07/15-29-040-12W4/0	Suspension	10-29-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447949	02/11-19-040-12W4/0	Issued	11-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447775	04/03-27-040-10W4/0	Issued	02-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447728	05/02-27-040-10W4/0	Issued	02-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447288	08/15-22-040-10W4/0	Issued	15-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447285	07/15-22-040-10W4/0	Issued	15-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0447083	04/04-27-040-10W4/0	Issued	13-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0446943	03/04-27-040-10W4/0	Issued	13-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0446922	02/09-22-040-10W4/0	Issued	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0446625	00/13-15-040-13W4/0	Issued	16-15-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0446430	03/07-22-040-07W4/2 08/02-22-040-07W4/0	Amended	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0445837	00/01-33-040-13W4/0	Suspension	06-33-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0445733	00/09-15-040-13W4/0	Issued	12-15-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0444710	03/04-22-040-07W4/0	Amended	16-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0444692	02/04-22-040-07W4/0	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0444272	02/08-33-040-07W4/0	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0444263	02/08-28-040-01W4/0	Issued	08-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0444137	03/09-33-040-07W4/0	Suspension	09-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0443757	05/03-28-040-01W4/0	Suspension	08-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0440331	00/01-13-042-26W4/0	Issued	14-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0440331	00/01-13-042-26W4/0	Issued	14-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0438263	00/04-28-055-19W5/0	Issued	13-28-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0438263	00/04-28-055-19W5/0	Issued	13-28-055-19W5	Drayton Valley	Bonavista Energy Corporation	20.35%
AlphaBow Energy Ltd. A7H2	W0438263	00/04-28-055-19W5/0	Issued	13-28-055-19W5	Drayton Valley	Sinopec Daylight Energy Ltd.	4.65%
AlphaBow Energy Ltd. A7H2	W0438263	00/04-28-055-19W5/0	Issued	13-28-055-19W5	Drayton Valley	Whitecap Resources Inc.	22.50%
AlphaBow Energy Ltd. A7H2	W0437945	00/04-23-040-13W4/0	Issued	01-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0437749	00/09-13-040-13W4/0	Issued	14-13-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0437667	03/12-35-040-12W4/0	Issued	06-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0437285	03/16-34-040-12W4/0	Issued	08-34-040-12W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0437285	03/16-34-040-12W4/0	Issued	08-34-040-12W4	Wainwright	Petroleo Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0436800	00/10-26-042-26W4/0	Issued	12-25-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0436800	00/10-26-042-26W4/0	Issued	12-25-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0436252	02/13-22-040-01W4/0	Suspension	04-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%



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AlphaBow Energy Ltd. A7H2	W0435776	02/15-08-036-07W4/0	Suspension	08-08-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0435663	00/02-24-042-26W4/0	Issued	14-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0435663	00/02-24-042-26W4/0	Issued	14-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0434489	00/03-13-061-21W5/0	Issued	13-13-061-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0434489	00/03-13-061-21W5/0	Issued	13-13-061-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0434421	03/11-35-040-12W4/0	Issued	06-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0434367	04/13-35-040-12W4/0	Issued	13-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0433880	10/11-23-040-10W4/0	Suspension	11-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0433747	04/10-22-040-10W4/0	Issued	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0433206	04/14-22-040-10W4/0	Issued	14-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0432061	04/02-27-040-10W4/0	Issued	02-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0432005	02/14-20-027-17W4/0	Issued	14-17-027-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0431650	00/14-28-040-01W4/0	Issued	10-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0430903	00/16-10-056-19W5/0	Suspension	16-10-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	60.39%
AlphaBow Energy Ltd. A7H2	W0430903	00/16-10-056-19W5/0	Suspension	16-10-056-19W5	Drayton Valley	Canadian Natural Resources Limited	2.81%
AlphaBow Energy Ltd. A7H2	W0430903	00/16-10-056-19W5/0	Suspension	16-10-056-19W5	Drayton Valley	Long Run Exploration Ltd.	8.33%
AlphaBow Energy Ltd. A7H2	W0430903	00/16-10-056-19W5/0	Suspension	16-10-056-19W5	Drayton Valley	Questfire Energy Corp.	2.59%
AlphaBow Energy Ltd. A7H2	W0430903	00/16-10-056-19W5/0	Suspension	16-10-056-19W5	Drayton Valley	Whitecap Resources Inc.	25.88%
AlphaBow Energy Ltd. A7H2	W0430870	00/07-26-042-26W4/0	Amended	16-23-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0430870	00/07-26-042-26W4/0	Amended	16-23-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0430699	08/04-23-040-10W4/0	Issued	01-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0430581	02/06-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	AlphaBow Energy Ltd.	67.73%
AlphaBow Energy Ltd. A7H2	W0430581	02/06-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Harvard International Resources Ltd.	3.24%
AlphaBow Energy Ltd. A7H2	W0430581	02/06-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Whitecap Resources Inc.	29.03%
AlphaBow Energy Ltd. A7H2	W0430547	00/08-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	AlphaBow Energy Ltd.	38.30%
AlphaBow Energy Ltd. A7H2	W0430547	00/08-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Torxen Energy Ltd.	45.29%
AlphaBow Energy Ltd. A7H2	W0430547	00/08-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Whitecap Resources Inc.	16.41%
AlphaBow Energy Ltd. A7H2	W0430456	00/09-23-042-26W4/0	Issued	14-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0430456	00/09-23-042-26W4/0	Issued	14-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0430422	03/08-21-040-10W4/0	Suspension	04-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429780	08/09-20-040-07W4/0	Suspension	16-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429778	08/07-20-040-07W4/0	Suspension	07-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429770	12/08-20-040-07W4/0	Suspension	07-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429764	11/08-20-040-07W4/0	Suspension	07-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429761	04/16-20-040-07W4/0	Suspension	16-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429760	03/16-20-040-07W4/0	Issued	16-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0429759	07/07-20-040-07W4/0	Suspension	07-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0429758	06/07-20-040-07W4/0	Issued	07-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0424859	00/10-33-043-26W4/0	Issued	02-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0424859	00/10-33-043-26W4/0	Issued	02-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0422272	00/05-22-053-19W5/0	Issued	01-22-053-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0422272	00/05-22-053-19W5/0	Issued	01-22-053-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0420937	00/12-25-043-16W4/0	Suspension	14-24-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0420934	03/09-29-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419829	06/14-16-040-07W4/0	Issued	14-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419614	02/04-21-040-07W4/0	Issued	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419123	08/14-32-040-11W4/0	Issued	14-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419122	00/08-19-040-12W4/0	Issued	08-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419017	00/15-15-040-07W4/0	Issued	15-15-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0419007	00/04-34-040-13W4/0	Suspension	16-27-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418506	06/11-32-040-11W4/0	Suspension	06-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418495	00/11-28-040-01W4/0	Suspension	11-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418393	00/13-28-040-01W4/0	Suspension	12-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418362	07/07-32-040-11W4/0	Issued	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418289	06/07-32-040-11W4/0	Issued	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418167	04/07-32-040-11W4/0	Issued	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418070	00/13-33-057-20W5/0	Issued	03-33-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	43.75%
AlphaBow Energy Ltd. A7H2	W0418070	00/13-33-057-20W5/0	Issued	03-33-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	27.08%
AlphaBow Energy Ltd. A7H2	W0418070	00/13-33-057-20W5/0	Issued	03-33-057-20W5	Drayton Valley	Whitecap Resources Inc.	29.17%
AlphaBow Energy Ltd. A7H2	W0418038	02/15-28-040-01W4/0	Issued	10-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0418027	00/11-19-040-12W4/0	Issued	11-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0416891	00/02-29-058-16W4/0	Suspension	02-29-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0415698	00/15-13-060-23W5/0	Suspension	01-13-060-23W5	Grande Prairie	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0415698	00/15-13-060-23W5/0	Suspension	01-13-060-23W5	Grande Prairie	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0415321	00/12-28-050-06W4/0	Suspension	12-28-050-06W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0415311	00/13-14-057-20W5/0	Issued	13-11-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	48.84%
AlphaBow Energy Ltd. A7H2	W0415311	00/13-14-057-20W5/0	Issued	13-11-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	18.61%
AlphaBow Energy Ltd. A7H2	W0415311	00/13-14-057-20W5/0	Issued	13-11-057-20W5	Drayton Valley	Whitecap Resources Inc.	32.56%
AlphaBow Energy Ltd. A7H2	W0415165	07/13-28-040-12W4/0	Issued	13-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0415164	06/13-28-040-12W4/0	Issued	13-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0414284	05/03-21-040-07W4/0	Issued	03-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0414275	04/03-21-040-07W4/0	Issued	03-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%



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AlphaBow Energy Ltd. A7H2	W0414208	00/03-27-057-20W5/0	Issued	04-34-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	43.75%
AlphaBow Energy Ltd. A7H2	W0414208	00/03-27-057-20W5/0	Issued	04-34-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	27.08%
AlphaBow Energy Ltd. A7H2	W0414208	00/03-27-057-20W5/0	Issued	04-34-057-20W5	Drayton Valley	Whitecap Resources Inc.	29.17%
AlphaBow Energy Ltd. A7H2	W0414207	00/01-28-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	43.75%
AlphaBow Energy Ltd. A7H2	W0414207	00/01-28-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	27.08%
AlphaBow Energy Ltd. A7H2	W0414207	00/01-28-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	Whitecap Resources Inc.	29.17%
AlphaBow Energy Ltd. A7H2	W0414192	00/15-33-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	43.75%
AlphaBow Energy Ltd. A7H2	W0414192	00/15-33-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	27.08%
AlphaBow Energy Ltd. A7H2	W0414192	00/15-33-057-20W5/0	Issued	01-33-057-20W5	Drayton Valley	Whitecap Resources Inc.	29.17%
AlphaBow Energy Ltd. A7H2	W0413629	02/12-28-051-13W4/0	Issued	05-28-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0413256	00/04-19-040-12W4/0	Suspension	04-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0413147	00/16-13-040-13W4/0	Suspension	16-13-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0412464	00/10-36-055-18W4/0	Suspension	10-36-055-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0412323	00/13-01-049-05W4/2	Suspension	13-01-049-05W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0411943	00/08-36-051-16W4/0	Suspension	12-31-051-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0411840	00/13-22-057-20W5/0	Suspension	11-22-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0411704	00/01-02-059-22W5/0	Issued	06-02-059-22W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0411704	00/01-02-059-22W5/0	Issued	06-02-059-22W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0411460	00/05-24-049-14W4/0	Suspension	05-24-049-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0411450	00/16-16-055-14W4/0	Suspension	16-16-055-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0410555	00/08-28-054-18W5/0	Issued	09-28-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0410555	00/08-28-054-18W5/0	Issued	09-28-054-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0410455	00/07-19-036-25W4/0	Issued	07-19-036-25W4	Red Deer	AlphaBow Energy Ltd.	90.00%
AlphaBow Energy Ltd. A7H2	W0410455	00/07-19-036-25W4/0	Issued	07-19-036-25W4	Red Deer	Just Freehold Energy Corp.	10.00%
AlphaBow Energy Ltd. A7H2	W0409490	00/05-21-059-22W5/0	Issued	04-21-059-22W5	Drayton Valley	2031373 Alberta Ltd.	3.75%
AlphaBow Energy Ltd. A7H2	W0409490	00/05-21-059-22W5/0	Issued	04-21-059-22W5	Drayton Valley	AlphaBow Energy Ltd.	67.38%
AlphaBow Energy Ltd. A7H2	W0409490	00/05-21-059-22W5/0	Issued	04-21-059-22W5	Drayton Valley	Whitecap Resources Inc.	28.88%
AlphaBow Energy Ltd. A7H2	W0409444	00/15-12-060-23W5/0	Issued	09-12-060-23W5	Grande Prairie	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0409444	00/15-12-060-23W5/0	Issued	09-12-060-23W5	Grande Prairie	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0409335	00/14-24-049-14W4/0	Suspension	14-24-049-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0408609	00/08-22-057-20W5/0	Issued	02-22-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0408083	00/16-04-035-19W4/0	Suspension	16-04-035-19W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0408083	00/16-04-035-19W4/0	Suspension	16-04-035-19W4	Red Deer	Trident Exploration Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0407787	00/04-02-041-15W4/0	Suspension	04-02-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0407490	00/11-19-053-20W5/0	Amended	08-19-053-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0407490	00/11-19-053-20W5/0	Amended	08-19-053-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0406581	02/14-14-056-16W4/0	Issued	11-14-056-16W4	Wainwright	AlphaBow Energy Ltd.	32.43%
AlphaBow Energy Ltd. A7H2	W0406581	02/14-14-056-16W4/0	Issued	11-14-056-16W4	Wainwright	Sequoia Resources Corp.	67.58%
AlphaBow Energy Ltd. A7H2	W0406075	00/02-02-041-15W4/0	Suspension	02-02-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0405680	04/11-21-040-07W4/0	Issued	11-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0405360	03/01-20-040-07W4/0	Issued	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0405114	00/12-15-040-13W4/0	Suspension	12-15-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404853	02/11-29-040-12W4/0	Suspension	12-29-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404794	02/12-21-040-07W4/0	Suspension	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404749	03/11-21-040-07W4/0	Issued	15-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404631	00/12-21-040-07W4/0	Issued	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404543	03/16-16-040-07W4/0	Issued	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404533	00/16-15-040-13W4/0	Issued	16-15-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404517	02/03-11-052-14W4/2 02/06-11-052-14W4/0	Suspension	14-11-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404469	00/06-33-040-13W4/0	Issued	06-33-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404457	00/16-27-040-13W4/0	Issued	16-27-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404451	02/02-22-040-07W4/0	Issued	02-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0404445	00/13-16-040-07W4/0	Suspension	13-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0403986	00/13-23-040-13W4/0	Suspension	13-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0403789	00/14-13-040-12W4/0	Issued	14-13-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0403529	00/15-29-056-19W5/2	Suspension	15-29-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0403529	00/15-29-056-19W5/2	Suspension	15-29-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0402796	02/16-16-040-07W4/0	Issued	16-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402788	02/15-16-040-07W4/0	Suspension	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402787	02/13-21-040-07W4/0	Issued	13-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402767	00/16-34-051-14W4/0	Suspension	16-34-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402766	00/08-02-052-14W4/0	Issued	08-02-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402713	05/14-16-040-07W4/0	Issued	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402702	00/04-30-024-19W4/0	Issued	05-30-024-19W4	Calgary	AlphaBow Energy Ltd.	20.78%
AlphaBow Energy Ltd. A7H2	W0402702	00/04-30-024-19W4/0	Issued	05-30-024-19W4	Calgary	ExxonMobil Canada Energy	21.62%
AlphaBow Energy Ltd. A7H2	W0402702	00/04-30-024-19W4/0	Issued	05-30-024-19W4	Calgary	Harvard International Resources Ltd.	11.65%
AlphaBow Energy Ltd. A7H2	W0402702	00/04-30-024-19W4/0	Issued	05-30-024-19W4	Calgary	Torxen Energy Ltd.	37.04%
AlphaBow Energy Ltd. A7H2	W0402702	00/04-30-024-19W4/0	Issued	05-30-024-19W4	Calgary	Whitecap Resources Inc.	8.91%
AlphaBow Energy Ltd. A7H2	W0402469	00/01-03-053-14W4/0	Issued	01-03-053-14W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0402469	00/01-03-053-14W4/0	Issued	01-03-053-14W4	Wainwright	Huntington Exploration Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0402449	00/15-21-042-28W4/0	Suspension	15-21-042-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0402193	00/12-28-036-25W4/0	Issued	12-28-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0402124	00/08-21-051-13W4/0	Issued	08-21-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0401368	02/08-23-040-13W4/0	Suspension	08-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0401335	02/06-23-040-13W4/0	Suspension	06-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0401208	00/07-12-040-07W4/0	Suspension	07-12-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0401024	00/12-03-064-14W4/0	Suspension	12-03-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0400462	00/05-05-033-18W4/0	Suspension	05-05-033-18W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0400462	00/05-05-033-18W4/0	Suspension	05-05-033-18W4	Red Deer	Trident Exploration (Alberta) Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0400377	00/14-05-065-15W4/0	Issued	14-05-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0399744	06/09-32-040-07W4/0	Suspension	09-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0399742	07/14-29-040-11W4/0	Issued	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0399720	00/01-07-031-13W4/0	Suspension	08-07-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0399638	06/14-29-040-11W4/0	Issued	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0399615	00/08-07-060-21W5/0	Suspension	08-07-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0399615	00/08-07-060-21W5/0	Suspension	08-07-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0399314	00/14-12-040-12W4/0	Suspension	14-12-040-12W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0399314	00/14-12-040-12W4/0	Suspension	14-12-040-12W4	Wainwright	New North Resources Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0399296	00/12-09-060-21W5/0	Issued	12-09-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0399296	00/12-09-060-21W5/0	Issued	12-09-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0398594	00/11-01-040-12W4/0	Issued	11-01-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0398563	00/14-06-040-12W4/0	Suspension	14-06-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0397415	00/11-16-055-17W4/2	Issued	11-16-055-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0397356	00/10-12-041-15W4/0	Suspension	10-12-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0397251	00/05-19-055-18W5/0	Issued	05-19-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0397251	00/05-19-055-18W5/0	Issued	05-19-055-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0397240	02/06-17-012-04W4/0	Suspension	06-17-012-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0397215	00/12-28-056-19W5/0	Suspension	09-29-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0397215	00/12-28-056-19W5/0	Suspension	09-29-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0397095	00/09-08-055-18W5/0	Suspension	09-08-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0397095	00/09-08-055-18W5/0	Suspension	09-08-055-18W5	Drayton Valley	NAL Resources	30.00%
AlphaBow Energy Ltd. A7H2	W0396788	00/02-28-036-25W4/0	Issued	07-28-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0396734	00/04-34-042-14W4/0 02/05-34-042-14W4/2	Suspension	11-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0396401	00/16-06-040-12W4/0	Suspension	16-06-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0396333	02/06-34-043-27W4/0	Suspension	06-34-043-27W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0396020	00/06-19-036-21W4/0	Issued	06-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0395913	00/14-20-036-21W4/0	Amended	14-20-036-21W4	Red Deer	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0395913	00/14-20-036-21W4/0	Amended	14-20-036-21W4	Red Deer	Trident Exploration (Alberta) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395913	00/14-20-036-21W4/0	Amended	14-20-036-21W4	Red Deer	Trident Exploration (wx) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395730	02/07-12-051-16W4/0	Suspension	07-12-051-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0395678	02/16-19-036-21W4/0	Amended	16-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0395676	02/08-19-036-21W4/0	Amended	08-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0395666	00/06-20-036-21W4/0	Amended	06-20-036-21W4	Red Deer	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0395666	00/06-20-036-21W4/0	Amended	06-20-036-21W4	Red Deer	Trident Exploration (Alberta) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395666	00/06-20-036-21W4/0	Amended	06-20-036-21W4	Red Deer	Trident Exploration (wx) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395659	02/16-20-036-21W4/0	Issued	16-20-036-21W4	Red Deer	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0395659	02/16-20-036-21W4/0	Issued	16-20-036-21W4	Red Deer	Trident Exploration (Alberta) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395659	02/16-20-036-21W4/0	Issued	16-20-036-21W4	Red Deer	Trident Exploration (wx) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395652	02/08-20-036-21W4/0	Issued	08-20-036-21W4	Red Deer	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0395652	02/08-20-036-21W4/0	Issued	08-20-036-21W4	Red Deer	Trident Exploration (Alberta) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395652	02/08-20-036-21W4/0	Issued	08-20-036-21W4	Red Deer	Trident Exploration (wx) Corp.	12.50%
AlphaBow Energy Ltd. A7H2	W0395154	02/01-12-064-20W5/0	Suspension	01-12-064-20W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0395154	02/01-12-064-20W5/0	Suspension	01-12-064-20W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0394728	00/06-07-058-16W4/0	Suspension	03-07-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394439	00/04-17-058-16W4/0	Suspension	04-17-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394399	00/12-28-039-12W4/0	Issued	12-28-039-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394390	00/02-28-058-16W4/0	Suspension	01-28-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394367	02/10-28-039-12W4/0	Suspension	10-28-039-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394158	02/15-30-039-11W4/0	Suspension	15-30-039-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0394076	00/16-30-051-15W4/0	Suspension	15-30-051-15W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0394076	00/16-30-051-15W4/0	Suspension	15-30-051-15W4	Wainwright	Gain Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0393884	00/10-29-063-19W5/0	Suspension	10-29-063-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0393884	00/10-29-063-19W5/0	Suspension	10-29-063-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0392186	00/15-14-051-16W4/0	Suspension	15-14-051-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0392012	02/03-03-030-11W4/0	Suspension	03-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0391942	00/13-31-011-04W4/0	Suspension	13-31-011-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0390785	00/07-28-055-19W5/0	Amended	07-28-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0390785	00/07-28-055-19W5/0	Amended	07-28-055-19W5	Drayton Valley	Bonavista Energy Corporation	20.35%
AlphaBow Energy Ltd. A7H2	W0390785	00/07-28-055-19W5/0	Amended	07-28-055-19W5	Drayton Valley	Sinopec Daylight Energy Ltd.	4.65%
AlphaBow Energy Ltd. A7H2	W0390785	00/07-28-055-19W5/0	Amended	07-28-055-19W5	Drayton Valley	Whitecap Resources Inc.	22.50%
AlphaBow Energy Ltd. A7H2	W0388786	02/14-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0388221	00/04-04-044-26W4/0	Amended	13-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%

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AlphaBow Energy Ltd. A7H2	W0388221	00/04-04-044-26W4/0	Amended	13-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0387657	05/07-32-040-07W4/0	Issued	07-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0387597	06/16-28-040-07W4/0	Issued	16-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0387550	03/15-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0387507	00/14-34-065-13W4/0	Issued	14-34-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0387462	04/05-27-040-07W4/0	Issued	05-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0386862	00/15-28-043-26W4/0	Amended	02-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0386862	00/15-28-043-26W4/0	Amended	02-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0386748	02/10-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	AlphaBow Energy Ltd.	46.60%
AlphaBow Energy Ltd. A7H2	W0386748	02/10-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Torxen Energy Ltd.	33.43%
AlphaBow Energy Ltd. A7H2	W0386748	02/10-19-024-19W4/0	Suspension	08-19-024-19W4	Calgary	Whitecap Resources Inc.	19.97%
AlphaBow Energy Ltd. A7H2	W0385564	00/03-19-024-19W4/0	Suspension	14-18-024-19W4	Calgary	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0385564	00/03-19-024-19W4/0	Suspension	14-18-024-19W4	Calgary	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0385164	00/06-15-042-15W4/0	Amended	10-15-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0384307	00/04-24-065-13W4/0	Issued	04-24-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0384305	00/15-04-043-28W4/0	Issued	10-04-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0384296	02/08-21-040-10W4/0	Suspension	04-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0384127	00/03-05-044-26W4/0	Issued	02-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0384127	00/03-05-044-26W4/0	Issued	02-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0384106	00/04-33-043-26W4/0	Issued	04-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0384106	00/04-33-043-26W4/0	Issued	04-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0384053	00/02-33-043-26W4/0	Suspension	02-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0384053	00/02-33-043-26W4/0	Suspension	02-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0383900	00/10-32-043-26W4/0	Amended	09-32-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0383900	00/10-32-043-26W4/0	Amended	09-32-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0383868	00/14-05-012-05W4/0	Suspension	14-05-012-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0383864	00/02-08-044-26W4/0	Amended	14-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0383864	00/02-08-044-26W4/0	Amended	14-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0383863	00/11-05-044-26W4/0	Amended	14-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0383863	00/11-05-044-26W4/0	Amended	14-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0383860	02/11-11-012-05W4/0	Suspension	11-11-012-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0383833	02/10-28-040-07W4/0	Issued	10-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0383641	00/08-07-052-13W4/0	Suspension	08-07-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0383405	06/09-28-040-07W4/0	Issued	10-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0382784	05/09-28-040-07W4/0	Issued	10-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0382450	00/04-31-013-04W4/0	Suspension	04-31-013-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0382409	03/05-27-040-07W4/0	Suspension	05-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381990	00/15-06-012-04W4/0	Suspension	15-06-012-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381971	02/03-27-040-07W4/0	Issued	03-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381584	00/15-28-039-12W4/0	Issued	02-33-039-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381468	00/05-31-051-15W4/0	Issued	05-31-051-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381406	00/09-15-052-14W4/0	Suspension	09-15-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381394	02/11-12-012-05W4/0	Suspension	11-12-012-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381208	05/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0381055	03/01-28-040-13W4/0	Suspension	01-28-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0380944	05/13-27-040-07W4/0	Suspension	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0380238	04/01-33-040-07W4/0	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0380014	02/12-01-043-28W4/0	Suspension	12-01-043-28W4	Red Deer	AlphaBow Energy Ltd.	48.15%
AlphaBow Energy Ltd. A7H2	W0380014	02/12-01-043-28W4/0	Suspension	12-01-043-28W4	Red Deer	Bonavista Energy Corporation	35.85%
AlphaBow Energy Ltd. A7H2	W0380014	02/12-01-043-28W4/0	Suspension	12-01-043-28W4	Red Deer	Scollard Energy Ltd.	16.01%
AlphaBow Energy Ltd. A7H2	W0379900	03/01-33-040-07W4/0	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0379798	02/01-33-040-07W4/0	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0379463	00/16-03-040-12W4/0	Suspension	16-03-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0379393	02/16-09-040-12W4/0	Suspension	16-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0378449	00/08-32-040-07W4/0	Suspension	08-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0378214	00/16-06-033-26W4/0	Issued	16-06-033-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0377772	00/12-06-053-19W5/0	Issued	07-01-053-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0377772	00/12-06-053-19W5/0	Issued	07-01-053-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0377685	02/16-23-040-13W4/0	Issued	16-23-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0377010	00/16-34-030-13W4/0	Suspension	16-34-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376966	02/10-08-012-04W4/0	Suspension	10-08-012-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376881	00/08-13-012-05W4/0	Suspension	08-13-012-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376826	00/01-01-031-14W4/0	Amended	01-01-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376121	00/04-30-030-13W4/0	Suspension	04-30-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376093	00/01-14-031-14W4/0	Issued	01-14-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0376078	00/09-33-038-23W4/0	Suspension	12-34-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0375612	00/16-04-031-09W4/0	Issued	16-04-031-09W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0375612	00/16-04-031-09W4/0	Issued	16-04-031-09W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	W0375262	00/10-20-058-16W4/0	Suspension	10-20-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0375194	00/11-16-058-16W4/0	Suspension	11-16-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0374773	04/03-28-040-01W4/0	Amended	06-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0374763	02/04-28-040-01W4/0	Amended	06-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0374680	03/04-28-040-01W4/0	Amended	01-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0374330	00/10-36-051-28W5/0	Suspension	16-36-051-01W6	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0373440	00/04-32-065-13W4/0	Suspension	04-32-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0372666	00/02-30-063-13W4/0	Suspension	02-30-063-13W4	Bonnyville	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0372666	00/02-30-063-13W4/0	Suspension	02-30-063-13W4	Bonnyville	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0371515	00/03-22-057-20W5/0	Issued	03-22-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0370697	02/07-32-030-14W4/0	Issued	07-32-030-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0370528	03/06-33-040-01W4/0	Issued	14-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0369345	00/06-22-064-13W4/0	Issued	06-22-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0368403	00/14-14-056-16W4/0	Suspension	11-14-056-16W4	Wainwright	AlphaBow Energy Ltd.	32.43%
AlphaBow Energy Ltd. A7H2	W0368403	00/14-14-056-16W4/0	Suspension	11-14-056-16W4	Wainwright	Sequoia Resources Corp.	67.58%
AlphaBow Energy Ltd. A7H2	W0368402	00/05-02-058-19W4/0	Suspension	05-02-058-19W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0368033	02/14-04-033-10W4/0	Suspension	14-04-033-10W4	Wainwright	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0368033	02/14-04-033-10W4/0	Suspension	14-04-033-10W4	Wainwright	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0367064	02/11-03-056-17W5/0	Suspension	11-03-056-17W5	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0366586	00/11-34-032-11W4/0	Suspension	11-34-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0366084	00/16-19-053-20W5/0	Issued	09-19-053-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0366084	00/16-19-053-20W5/0	Issued	09-19-053-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0365186	00/09-06-036-20W4/0	Suspension	09-06-036-20W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364917	00/04-30-051-15W4/0	Amended	04-30-051-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364732	00/03-01-037-25W4/0	Suspension	03-01-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364731	00/16-28-036-25W4/0	Issued	16-28-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364692	04/09-28-040-07W4/0	Issued	09-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364543	00/15-28-038-23W4/0	Suspension	15-28-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364404	03/13-02-041-15W4/0	Suspension	14-02-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0364336	00/07-04-040-11W4/0	Issued	07-04-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0363479	02/11-14-034-12W4/0	Suspension	11-14-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0363166	03/07-11-037-23W4/0	Issued	07-11-037-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0363159	02/03-02-041-15W4/0	Suspension	03-02-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0363138	02/05-04-053-16W4/0	Issued	05-04-053-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0363021	04/07-32-040-07W4/0	Suspension	07-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362832	04/13-27-040-07W4/0	Issued	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362831	00/09-02-037-25W4/0	Issued	09-02-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362702	00/08-28-040-07W4/0	Suspension	08-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362699	05/15-28-040-07W4/0	Suspension	15-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362681	06/06-27-040-07W4/0	Suspension	06-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0362430	00/07-29-064-13W4/0	Issued	07-29-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362322	02/05-27-040-07W4/0	Suspension	05-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362319	00/07-30-049-11W4/2	Suspension	07-30-049-11W4	Wainwright	AlphaBow Energy Ltd.	41.63%
AlphaBow Energy Ltd. A7H2	W0362319	00/07-30-049-11W4/2	Suspension	07-30-049-11W4	Wainwright	CDNPET Invest	5.00%
AlphaBow Energy Ltd. A7H2	W0362319	00/07-30-049-11W4/2	Suspension	07-30-049-11W4	Wainwright	Hamilton Brothers Canadian Gas Comp	3.38%
AlphaBow Energy Ltd. A7H2	W0362319	00/07-30-049-11W4/2	Suspension	07-30-049-11W4	Wainwright	Sequoia Res JVB	50.00%
AlphaBow Energy Ltd. A7H2	W0362075	00/05-08-065-13W4/0	Issued	05-08-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362046	00/16-09-031-25W4/0	Issued	16-09-031-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362013	02/13-27-040-07W4/0	Suspension	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0362011	02/11-01-065-14W4/0	Suspension	11-01-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361856	00/15-10-053-16W4/0	Suspension	15-10-053-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361818	00/01-36-049-14W4/0	Suspension	01-36-049-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0361818	00/01-36-049-14W4/0	Suspension	01-36-049-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0361818	00/01-36-049-14W4/0	Suspension	01-36-049-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0361818	00/01-36-049-14W4/0	Suspension	01-36-049-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0361589	00/13-04-065-13W4/0	Issued	13-04-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361557	00/14-09-031-25W4/0	Issued	14-09-031-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361487	00/01-09-031-25W4/0	Issued	01-09-031-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361424	00/04-27-051-13W4/0	Issued	04-27-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0361370	00/06-29-031-26W4/0	Suspension	06-29-031-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0360981	00/05-32-051-14W4/0	Issued	05-32-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0360238	02/01-13-061-21W5/0	Suspension	01-13-061-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0360238	02/01-13-061-21W5/0	Suspension	01-13-061-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0360228	00/10-30-050-14W4/0	Suspension	10-30-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0360183	00/09-04-054-16W4/0	Suspension	09-04-054-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0359973	00/14-12-031-14W4/0	Issued	14-12-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	40.00%
AlphaBow Energy Ltd. A7H2	W0359973	00/14-12-031-14W4/0	Issued	14-12-031-14W4	Medicine Hat	Canadian Natural Resources Limited	60.00%
AlphaBow Energy Ltd. A7H2	W0359972	00/16-12-031-14W4/0	Issued	16-12-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	40.00%
AlphaBow Energy Ltd. A7H2	W0359972	00/16-12-031-14W4/0	Issued	16-12-031-14W4	Medicine Hat	Canadian Natural Resources Limited	60.00%
AlphaBow Energy Ltd. A7H2	W0359620	02/02-14-042-15W4/0	Suspension	02-14-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0359534	00/16-29-042-16W4/0	Suspension	16-29-042-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0359507	02/06-09-043-16W4/0	Suspension	06-09-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358995	00/14-07-031-13W4/0	Issued	14-07-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358463	00/08-11-031-14W4/0	Issued	08-11-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358462	02/06-03-030-11W4/0	Issued	06-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358440	00/16-01-031-14W4/0	Issued	16-01-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	92.50%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0358440	00/16-01-031-14W4/0	Issued	16-01-031-14W4	Medicine Hat	BONNIE STERN	2.50%
AlphaBow Energy Ltd. A7H2	W0358440	00/16-01-031-14W4/0	Issued	16-01-031-14W4	Medicine Hat	Orla Petco, Inc.	2.50%
AlphaBow Energy Ltd. A7H2	W0358440	00/16-01-031-14W4/0	Issued	16-01-031-14W4	Medicine Hat	RHETTA FELTON	2.50%
AlphaBow Energy Ltd. A7H2	W0358438	00/10-11-031-14W4/0	Issued	10-11-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358381	00/06-02-065-14W4/0	Issued	06-02-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0358331	00/01-08-060-21W5/0	Issued	01-08-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0358331	00/01-08-060-21W5/0	Issued	01-08-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0358185	00/01-03-030-11W4/0	Suspension	01-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357933	00/08-13-031-14W4/0	Issued	08-13-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357892	02/12-34-042-14W4/0	Suspension	12-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357857	00/14-13-031-14W4/0	Issued	14-13-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357855	02/11-14-031-14W4/0	Issued	11-14-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357826	00/14-11-031-14W4/0	Issued	14-11-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357822	00/06-13-031-14W4/0	Issued	06-13-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357811	00/05-34-042-14W4/0	Suspension	05-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357706	02/15-32-057-15W4/0	Issued	15-32-057-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357693	00/04-18-036-25W4/0	Suspension	04-18-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357412	00/16-02-031-14W4/0	Issued	16-02-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357410	00/08-23-031-14W4/0	Issued	08-23-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357408	00/14-23-031-14W4/0	Issued	14-23-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357405	00/16-23-031-14W4/0	Issued	16-23-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0357097	00/01-05-029-17W4/0	Suspension	04-04-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0357097	00/01-05-029-17W4/0	Suspension	04-04-029-17W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0357009	00/05-17-053-16W4/0	Suspension	05-17-053-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356992	00/05-29-054-17W4/0	Issued	05-29-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356679	02/08-35-041-15W4/0	Suspension	08-35-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356578	00/12-16-031-13W4/0	Amended	12-16-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356573	02/11-11-032-11W4/0	Suspension	11-11-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356570	00/09-33-032-11W4/0	Suspension	09-33-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0356503	00/16-31-030-14W4/0	Issued	16-31-030-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0355617	00/05-01-065-14W4/0	Issued	05-01-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0355616	00/13-05-065-13W4/0	Issued	13-05-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0355615	02/10-03-065-13W4/0	Issued	10-03-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0355402	00/06-33-038-23W4/0	Suspension	01-33-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0355005	50/03-14-052-14W4/0	Amended	14-11-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0354950	00/15-34-010-05W4/0	Suspension	15-34-010-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0354712	00/03-23-052-14W4/0	Issued	03-23-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0354705	00/05-27-052-14W4/0	Issued	05-27-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0354203	00/05-16-054-17W4/0	Suspension	05-16-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0354141	00/14-05-041-15W4/0	Suspension	14-05-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0354110	02/04-27-041-15W4/0	Suspension	04-27-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353997	00/02-27-065-15W4/0	Issued	02-27-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353821	00/02-29-054-17W4/0	Suspension	02-29-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353796	00/06-13-054-17W4/0	Suspension	06-13-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353568	00/10-01-029-19W4/3	Issued	10-01-029-19W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353322	00/05-24-055-04W6/0	Suspension	05-24-055-04W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0353322	00/05-24-055-04W6/0	Suspension	05-24-055-04W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0353244	00/06-06-054-17W4/0	Suspension	06-06-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0353241	00/13-14-052-14W4/0	Suspension	13-14-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0352463	00/10-02-065-14W4/0	Amended	10-02-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0352285	00/06-09-031-25W4/0	Amended	06-09-031-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0351960	00/14-10-065-13W4/0	Issued	14-10-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0351940	00/08-33-038-23W4/0	Issued	01-33-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0351470	00/16-27-040-07W4/0	Issued	16-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0350853	00/13-34-040-01W4/0	Issued	05-34-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0350851	02/05-34-040-01W4/0	Suspension	05-34-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0350451	00/14-25-078-15W4/0	Suspension	14-25-078-15W4	Bonnyville	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0350451	00/14-25-078-15W4/0	Suspension	14-25-078-15W4	Bonnyville	Long Run Exploration Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0349925	00/15-18-053-16W4/0	Suspension	06-18-053-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0349572	02/07-11-041-12W4/0	Suspension	07-11-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0348967	00/02-32-064-13W4/0	Issued	02-32-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0348826	02/10-11-041-12W4/0	Suspension	10-11-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0345209	02/13-02-041-15W4/0	Suspension	13-02-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0344992	00/16-07-043-15W4/0	Issued	16-07-043-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0344415	00/14-36-028-19W4/0	Suspension	14-36-028-19W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0344408	00/09-13-013-05W4/0	Suspension	09-13-013-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0344376	00/04-31-059-14W5/0	Suspension	04-31-059-14W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0344376	00/04-31-059-14W5/0	Suspension	04-31-059-14W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0344313	02/09-15-013-05W4/0	Suspension	09-15-013-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0344269	00/10-07-060-21W5/0	Issued	10-07-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0344269	00/10-07-060-21W5/0	Issued	10-07-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0344042	00/01-06-035-18W4/0	Suspension	01-06-035-18W4	Red Deer	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0343871	00/06-08-029-18W4/0	Issued	06-08-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0343871	00/06-08-029-18W4/0	Issued	06-08-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0343152	00/15-29-041-11W4/0	Suspension	15-29-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0342980	00/11-36-036-25W4/0	Amended	11-36-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0342852	00/07-18-043-15W4/0	Suspension	07-18-043-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0342612	03/07-32-040-07W4/0	Issued	07-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0342417	00/15-26-036-25W4/0	Amended	15-26-036-25W4	Red Deer	AlphaBow Energy Ltd.	49.70%
AlphaBow Energy Ltd. A7H2	W0342417	00/15-26-036-25W4/0	Amended	15-26-036-25W4	Red Deer	Ember Resources Inc.	50.30%
AlphaBow Energy Ltd. A7H2	W0342392	00/11-01-037-25W4/0	Issued	11-01-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0342389	00/14-06-032-13W4/0	Issued	14-06-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	62.50%
AlphaBow Energy Ltd. A7H2	W0342389	00/14-06-032-13W4/0	Issued	14-06-032-13W4	Medicine Hat	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0342389	00/14-06-032-13W4/0	Issued	14-06-032-13W4	Medicine Hat	Harvest Operations Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0342383	00/06-06-032-13W4/0	Issued	06-06-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	62.50%
AlphaBow Energy Ltd. A7H2	W0342383	00/06-06-032-13W4/0	Issued	06-06-032-13W4	Medicine Hat	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0342383	00/06-06-032-13W4/0	Issued	06-06-032-13W4	Medicine Hat	Harvest Operations Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0342241	00/08-26-031-14W4/0	Amended	08-26-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0342241	00/08-26-031-14W4/0	Amended	08-26-031-14W4	Medicine Hat	Canadian Natural Resources Limited	87.50%
AlphaBow Energy Ltd. A7H2	W0342237	00/06-26-031-14W4/0	Amended	06-26-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0342237	00/06-26-031-14W4/0	Amended	06-26-031-14W4	Medicine Hat	Canadian Natural Resources Limited	87.50%
AlphaBow Energy Ltd. A7H2	W0342181	00/16-06-032-13W4/0	Issued	16-06-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	62.50%
AlphaBow Energy Ltd. A7H2	W0342181	00/16-06-032-13W4/0	Issued	16-06-032-13W4	Medicine Hat	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0342181	00/16-06-032-13W4/0	Issued	16-06-032-13W4	Medicine Hat	Harvest Operations Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0342138	00/16-26-031-14W4/0	Amended	16-26-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0342138	00/16-26-031-14W4/0	Amended	16-26-031-14W4	Medicine Hat	Canadian Natural Resources Limited	87.50%
AlphaBow Energy Ltd. A7H2	W0342128	00/13-26-031-14W4/0	Amended	13-26-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0342128	00/13-26-031-14W4/0	Amended	13-26-031-14W4	Medicine Hat	Canadian Natural Resources Limited	87.50%
AlphaBow Energy Ltd. A7H2	W0342036	00/04-24-042-28W4/0	Suspension	04-24-042-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0341111	02/08-06-032-13W4/0	Issued	08-06-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	62.50%
AlphaBow Energy Ltd. A7H2	W0341111	02/08-06-032-13W4/0	Issued	08-06-032-13W4	Medicine Hat	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0341111	02/08-06-032-13W4/0	Issued	08-06-032-13W4	Medicine Hat	Harvest Operations Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0340546	00/01-07-058-16W4/0	Suspension	01-07-058-16W4	Wainwright	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0340546	00/01-07-058-16W4/0	Suspension	01-07-058-16W4	Wainwright	Sequoia Resources Corp.	45.00%
AlphaBow Energy Ltd. A7H2	W0339872	00/05-33-006-19W4/0	Issued	05-33-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0339480	00/05-30-041-11W4/0	Suspension	05-30-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0339185	02/10-34-039-11W4/0	Issued	10-34-039-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0338902	00/12-25-031-14W4/0	Issued	12-25-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0338902	00/12-25-031-14W4/0	Issued	12-25-031-14W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0338858	00/02-23-034-11W4/0	Issued	02-23-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0338760	00/01-20-050-12W4/0	Suspension	01-20-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0338656	00/04-25-031-14W4/0	Issued	04-25-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0338656	00/04-25-031-14W4/0	Issued	04-25-031-14W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0338573	00/16-29-034-11W4/0	Suspension	16-29-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0338439	00/02-25-031-14W4/0	Issued	02-25-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0338439	00/02-25-031-14W4/0	Issued	02-25-031-14W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0338425	00/13-31-032-11W4/0	Suspension	13-31-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0338425	00/13-31-032-11W4/0	Suspension	13-31-032-11W4	Medicine Hat	Coastal Energy	31.25%
AlphaBow Energy Ltd. A7H2	W0338222	00/05-31-032-11W4/0	Suspension	05-31-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0338222	00/05-31-032-11W4/0	Suspension	05-31-032-11W4	Medicine Hat	Coastal Energy	31.25%
AlphaBow Energy Ltd. A7H2	W0338078	00/08-24-042-16W4/3	Suspension	08-24-042-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0338068	00/14-06-033-11W4/0	Suspension	14-06-033-11W4	Wainwright	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0338068	00/14-06-033-11W4/0	Suspension	14-06-033-11W4	Wainwright	Coastal Energy	31.25%
AlphaBow Energy Ltd. A7H2	W0337688	00/08-06-033-11W4/0	Suspension	08-06-033-11W4	Wainwright	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0337688	00/08-06-033-11W4/0	Suspension	08-06-033-11W4	Wainwright	Coastal Energy	31.25%
AlphaBow Energy Ltd. A7H2	W0337196	00/06-26-005-19W4/0	Issued	06-26-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0336278	00/03-32-005-18W4/0	Issued	03-32-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335927	00/10-03-050-14W4/0	Suspension	10-03-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335789	00/05-18-053-16W4/0	Issued	05-18-053-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335784	00/07-30-055-18W4/0	Suspension	07-30-055-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335725	02/11-28-038-23W4/0	Suspension	11-28-038-23W4	Red Deer	AlphaBow Energy Ltd.	90.63%
AlphaBow Energy Ltd. A7H2	W0335725	02/11-28-038-23W4/0	Suspension	11-28-038-23W4	Red Deer	Rally Canada Resources Ltd.	7.50%
AlphaBow Energy Ltd. A7H2	W0335725	02/11-28-038-23W4/0	Suspension	11-28-038-23W4	Red Deer	Surge Energy Inc.	1.88%
AlphaBow Energy Ltd. A7H2	W0335695	00/01-09-007-17W4/0	Issued	01-09-007-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335688	00/14-28-038-23W4/0	Issued	14-28-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335578	00/04-10-057-16W4/0	Suspension	04-10-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335418	00/14-04-054-16W4/0	Suspension	14-04-054-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335417	00/09-09-057-16W4/0	Suspension	09-09-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335040	00/03-01-008-21W4/0	Issued	03-01-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0335013	00/03-18-050-14W4/0	Suspension	03-18-050-14W4	Wainwright	AlphaBow Energy Ltd.	35.72%
AlphaBow Energy Ltd. A7H2	W0335013	00/03-18-050-14W4/0	Suspension	03-18-050-14W4	Wainwright	Chinook Ene Inc	5.05%
AlphaBow Energy Ltd. A7H2	W0335013	00/03-18-050-14W4/0	Suspension	03-18-050-14W4	Wainwright	Enercapital Ltd	7.37%
AlphaBow Energy Ltd. A7H2	W0335013	00/03-18-050-14W4/0	Suspension	03-18-050-14W4	Wainwright	Sequoia Res. JVB	51.86%
AlphaBow Energy Ltd. A7H2	W0335013	00/03-18-050-14W4/0	Suspension	03-18-050-14W4	Wainwright	Signalta Resources Limited	7.50%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0334682	00/02-10-053-16W4/2	Suspension	02-10-053-16W4	Wainwright	AlphaBow Energy Ltd.	96.25%
AlphaBow Energy Ltd. A7H2	W0334682	00/02-10-053-16W4/2	Suspension	02-10-053-16W4	Wainwright	Sunbird Investments Ltd.	3.75%
AlphaBow Energy Ltd. A7H2	W0334640	02/14-09-034-11W4/0	Issued	14-09-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334326	00/08-21-031-14W4/0	Issued	08-21-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334324	00/14-21-031-14W4/0	Issued	14-21-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334280	00/05-34-040-13W4/0	Suspension	05-34-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334267	00/11-07-050-14W4/0	Suspension	11-07-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0334267	00/11-07-050-14W4/0	Suspension	11-07-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0334267	00/11-07-050-14W4/0	Suspension	11-07-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0334267	00/11-07-050-14W4/0	Suspension	11-07-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0334216	00/09-34-040-13W4/0	Suspension	09-34-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334080	00/08-28-033-11W4/0	Issued	08-28-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0334077	00/14-07-034-10W4/0	Issued	14-07-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0333734	00/04-33-051-13W4/0	Issued	04-33-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0333484	00/01-28-041-15W4/0	Suspension	01-28-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0332960	00/08-14-034-11W4/0	Issued	08-14-034-11W4	Wainwright	AlphaBow Energy Ltd.	92.97%
AlphaBow Energy Ltd. A7H2	W0332960	00/08-14-034-11W4/0	Issued	08-14-034-11W4	Wainwright	Canadian Natural Resources Limited	7.03%
AlphaBow Energy Ltd. A7H2	W0332949	00/06-07-029-18W4/0	Suspension	06-07-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0332949	00/06-07-029-18W4/0	Suspension	06-07-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0332783	00/08-07-033-11W4/0	Issued	08-07-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0332772	00/02-09-050-14W4/0	Suspension	02-09-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0332772	00/02-09-050-14W4/0	Suspension	02-09-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0332772	00/02-09-050-14W4/0	Suspension	02-09-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0332772	00/02-09-050-14W4/0	Suspension	02-09-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0332771	00/15-08-050-14W4/0	Suspension	15-08-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0332771	00/15-08-050-14W4/0	Suspension	15-08-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0332771	00/15-08-050-14W4/0	Suspension	15-08-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0332771	00/15-08-050-14W4/0	Suspension	15-08-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0332770	00/10-05-050-14W4/0	Suspension	10-05-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0332770	00/10-05-050-14W4/0	Suspension	10-05-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0332770	00/10-05-050-14W4/0	Suspension	10-05-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0332770	00/10-05-050-14W4/0	Suspension	10-05-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0332518	00/01-14-008-18W4/0	Suspension	01-14-008-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0332199	00/08-20-033-11W4/0	Issued	08-20-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0332176	00/08-15-034-11W4/0	Issued	08-15-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0332085	00/08-04-034-11W4/0	Issued	08-04-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0331544	00/02-10-065-13W4/0	Issued	02-10-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0331542	00/14-36-064-14W4/0	Issued	14-36-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0331238	00/14-28-033-11W4/0	Issued	14-28-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0331169	00/08-19-033-11W4/0	Issued	08-19-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0331036	00/04-04-014-04W4/0	Suspension	04-04-014-04W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0331007	00/06-25-049-14W4/0	Suspension	06-25-049-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330919	00/14-13-034-11W4/0	Issued	14-13-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330805	00/08-28-040-10W4/0	Issued	08-28-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330789	00/08-10-050-14W4/0	Suspension	08-10-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0330789	00/08-10-050-14W4/0	Suspension	08-10-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0330789	00/08-10-050-14W4/0	Suspension	08-10-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0330789	00/08-10-050-14W4/0	Suspension	08-10-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0330520	00/15-14-012-05W4/0	Suspension	15-14-012-05W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330506	00/06-24-050-14W4/0	Suspension	06-24-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330450	00/14-04-060-21W5/0	Issued	14-04-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0330450	00/14-04-060-21W5/0	Issued	14-04-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0330419	00/14-01-034-11W4/0	Issued	14-01-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330405	00/10-03-043-28W4/0	Suspension	10-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330399	00/14-21-033-11W4/0	Issued	14-21-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330398	00/08-17-033-11W4/0	Issued	08-17-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330388	00/08-06-034-11W4/0	Issued	08-06-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330372	00/14-07-034-11W4/0	Issued	14-07-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330364	02/16-14-056-18W4/0	Suspension	09-14-056-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0330355	00/14-14-034-11W4/0	Issued	14-14-034-11W4	Wainwright	AlphaBow Energy Ltd.	92.97%
AlphaBow Energy Ltd. A7H2	W0330355	00/14-14-034-11W4/0	Issued	14-14-034-11W4	Wainwright	Canadian Natural Resources Limited	7.03%
AlphaBow Energy Ltd. A7H2	W0330353	00/14-12-034-11W4/0	Issued	14-12-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329867	02/07-08-060-21W5/0	Suspension	07-08-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0329867	02/07-08-060-21W5/0	Suspension	07-08-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0329816	00/01-13-061-21W5/0	Suspension	01-13-061-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0329816	00/01-13-061-21W5/0	Suspension	01-13-061-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0329788	00/10-14-056-18W4/0	Suspension	10-14-056-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329654	00/08-12-034-11W4/0	Issued	08-12-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329362	00/14-02-034-12W4/0	Issued	14-02-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329280	00/08-33-033-11W4/0	Issued	08-33-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329279	00/08-24-033-12W4/0	Issued	08-24-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0329134	00/16-15-057-16W4/0	Suspension	16-15-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0329133	00/02-10-057-16W4/0	Suspension	02-10-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0328199	00/13-26-065-13W4/0	Issued	13-26-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0327949	02/15-34-029-11W4/0	Amended	15-34-029-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0327594	00/13-29-039-11W4/0	Suspension	13-29-039-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326955	00/14-04-013-11W4/0	Issued	14-04-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326954	00/03-10-013-11W4/0	Suspension	03-10-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326312	00/04-15-013-11W4/0	Issued	04-15-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326271	00/14-05-013-11W4/0	Issued	14-05-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326268	00/16-05-013-11W4/0	Issued	16-05-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0326110	00/05-01-055-15W4/0	Suspension	05-01-055-15W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0326110	00/05-01-055-15W4/0	Suspension	05-01-055-15W4	Wainwright	Enercapita Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0325756	00/07-20-006-19W4/0	Issued	07-20-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	94.35%
AlphaBow Energy Ltd. A7H2	W0325756	00/07-20-006-19W4/0	Issued	07-20-006-19W4	Medicine Hat	Ipc Canada Ltd.	5.65%
AlphaBow Energy Ltd. A7H2	W0325411	00/14-09-013-11W4/0	Issued	14-09-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325407	00/16-08-013-11W4/0	Issued	16-08-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325080	00/16-06-079-12W4/0	Suspension	16-06-079-12W4	Bonnyville	AlphaBow Energy Ltd.	71.25%
AlphaBow Energy Ltd. A7H2	W0325080	00/16-06-079-12W4/0	Suspension	16-06-079-12W4	Bonnyville	Canadian Natural Resources	16.25%
AlphaBow Energy Ltd. A7H2	W0325080	00/16-06-079-12W4/0	Suspension	16-06-079-12W4	Bonnyville	UNIVERSAL GAS INC.	12.50%
AlphaBow Energy Ltd. A7H2	W0325076	00/08-07-013-11W4/0	Issued	08-07-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325075	00/06-08-013-11W4/0	Issued	06-08-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325074	00/16-12-013-12W4/0	Issued	16-12-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325071	00/11-10-013-11W4/0	Suspension	11-10-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0325024	02/06-07-013-11W4/0	Issued	06-07-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324989	02/06-09-013-11W4/0	Issued	06-09-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324704	00/05-16-013-11W4/0	Suspension	05-16-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324701	00/16-07-013-11W4/0	Issued	16-07-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324659	00/08-08-013-11W4/0	Issued	08-08-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324654	00/05-32-054-15W4/0	Suspension	05-32-054-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324652	00/06-20-055-18W4/0	Suspension	06-20-055-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0324541	00/15-19-055-16W4/0	Suspension	09-19-055-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0323536	00/14-15-007-20W4/0	Issued	14-15-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0323524	00/08-33-005-19W4/0	Issued	08-33-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0323524	00/08-33-005-19W4/0	Issued	08-33-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0323524	00/08-33-005-19W4/0	Issued	08-33-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0323524	00/08-33-005-19W4/0	Issued	08-33-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0323520	00/01-04-005-17W4/0	Issued	01-04-005-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0323355	00/07-11-008-18W4/0	Suspension	07-11-008-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0321821	00/07-18-006-18W4/0	Issued	07-18-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0321821	00/07-18-006-18W4/0	Issued	07-18-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0321821	00/07-18-006-18W4/0	Issued	07-18-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0321821	00/07-18-006-18W4/0	Issued	07-18-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0321370	00/16-04-064-14W4/0	Suspension	16-04-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0321134	00/12-06-063-13W4/0	Issued	12-06-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0319655	00/03-01-043-28W4/0	Suspension	03-01-043-28W4	Red Deer	AlphaBow Energy Ltd.	48.15%
AlphaBow Energy Ltd. A7H2	W0319655	00/03-01-043-28W4/0	Suspension	03-01-043-28W4	Red Deer	Bonavista Energy Corporation	35.85%
AlphaBow Energy Ltd. A7H2	W0319655	00/03-01-043-28W4/0	Suspension	03-01-043-28W4	Red Deer	Scollard Energy Ltd.	16.01%
AlphaBow Energy Ltd. A7H2	W0319062	00/10-09-060-21W5/0	Issued	10-09-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0319062	00/10-09-060-21W5/0	Issued	10-09-060-21W5	Edmonton	Whitecap Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0318567	00/10-22-064-14W4/0	Issued	10-22-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0318534	02/05-30-054-15W4/0	Suspension	05-30-054-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0318324	00/16-27-050-07W4/0	Suspension	16-27-050-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0318143	00/14-29-052-14W4/0	Suspension	03-32-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317900	06/11-33-040-11W4/0	Suspension	11-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317899	05/11-33-040-11W4/0	Suspension	11-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317647	00/01-25-064-14W4/0	Issued	01-25-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317515	02/10-32-064-13W4/0	Issued	10-32-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317336	02/11-06-040-11W4/0	Issued	11-06-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0317275	04/11-33-040-11W4/0	Issued	11-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0316982	00/06-20-034-10W4/0	Issued	06-20-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0316388	00/13-03-065-13W4/0	Issued	13-03-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0316221	00/12-07-065-13W4/0	Issued	12-07-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0315771	00/04-02-029-18W4/0	Suspension	01-03-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0315695	00/10-06-037-25W4/0	Issued	10-06-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0315554	00/13-36-036-25W4/0	Issued	13-36-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0315218	00/05-03-043-28W4/0	Suspension	05-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0314635	00/05-07-029-18W4/0	Issued	05-07-029-18W4	Calgary	625533 Alberta Ltd.	1.53%
AlphaBow Energy Ltd. A7H2	W0314635	00/05-07-029-18W4/0	Issued	05-07-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0314635	00/05-07-029-18W4/0	Issued	05-07-029-18W4	Calgary	Daroil Energy Limited	1.60%
AlphaBow Energy Ltd. A7H2	W0314149	02/07-30-024-19W4/0	Amended	07-30-024-19W4	Calgary	AlphaBow Energy Ltd.	20.78%
AlphaBow Energy Ltd. A7H2	W0314149	02/07-30-024-19W4/0	Amended	07-30-024-19W4	Calgary	ExxonMobil Canada Energy	21.62%
AlphaBow Energy Ltd. A7H2	W0314149	02/07-30-024-19W4/0	Amended	07-30-024-19W4	Calgary	Harvard International Resources Ltd.	11.65%
AlphaBow Energy Ltd. A7H2	W0314149	02/07-30-024-19W4/0	Amended	07-30-024-19W4	Calgary	Torxen Energy Ltd.	37.04%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0314149	02/07-30-024-19W4/0	Amended	07-30-024-19W4	Calgary	Whitecap Resources Inc.	8.91%
AlphaBow Energy Ltd. A7H2	W0314124	00/06-24-040-12W4/0	Issued	06-24-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313860	00/12-21-038-23W4/0	Issued	12-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	96.48%
AlphaBow Energy Ltd. A7H2	W0313860	00/12-21-038-23W4/0	Issued	12-21-038-23W4	Red Deer	Rally Canada Resources Ltd.	1.50%
AlphaBow Energy Ltd. A7H2	W0313860	00/12-21-038-23W4/0	Issued	12-21-038-23W4	Red Deer	Surge Energy Inc.	2.03%
AlphaBow Energy Ltd. A7H2	W0313857	00/04-21-038-23W4/0	Suspension	04-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313626	00/04-23-040-11W4/0	Amended	04-23-040-11W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0313626	00/04-23-040-11W4/0	Amended	04-23-040-11W4	Wainwright	SanLing Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0313500	00/08-05-034-11W4/0	Issued	08-05-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313407	00/06-21-031-14W4/0	Issued	06-21-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313401	00/16-21-031-14W4/0	Issued	16-21-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313390	00/06-01-034-11W4/0	Issued	06-01-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313306	00/11-10-056-18W4/0	Suspension	11-10-056-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0313145	00/15-32-033-18W4/0	Suspension	02-05-034-18W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312988	00/16-13-034-11W4/0	Issued	16-13-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312984	00/08-08-034-11W4/0	Issued	08-08-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312860	00/06-15-034-10W4/0	Issued	06-15-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312839	00/09-01-034-11W4/0	Issued	09-01-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312831	00/16-11-034-10W4/0	Issued	16-11-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312579	00/15-35-049-14W4/0	Suspension	15-35-049-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312503	08/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0312503	08/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0312357	00/06-11-034-10W4/0	Issued	06-11-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312354	00/14-20-033-11W4/0	Issued	14-20-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312352	02/14-08-033-11W4/0	Issued	14-08-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312350	00/10-12-034-11W4/0	Issued	10-12-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312348	02/14-01-034-12W4/0	Issued	14-01-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312347	00/06-24-034-10W4/0	Issued	06-24-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312326	00/06-13-034-11W4/0	Issued	06-13-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312323	02/14-18-033-11W4/0	Issued	14-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312315	00/06-12-034-10W4/0	Issued	06-12-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312313	00/08-26-033-12W4/0	Amended	08-26-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312145	02/09-29-040-10W4/0	Suspension	09-29-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312144	00/07-04-029-17W4/0	Issued	07-04-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312142	08/14-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0312097	07/14-33-040-11W4/0	Issued	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0312070	03/13-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311879	00/13-15-034-11W4/0	Issued	13-15-034-11W4	Wainwright	AlphaBow Energy Ltd.	71.90%
AlphaBow Energy Ltd. A7H2	W0311879	00/13-15-034-11W4/0	Issued	13-15-034-11W4	Wainwright	Canadian Natural Resources Limited	28.10%
AlphaBow Energy Ltd. A7H2	W0311878	00/10-17-034-11W4/0	Issued	10-17-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311877	00/08-23-034-11W4/0	Issued	08-23-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311876	00/16-08-034-11W4/0	Issued	16-08-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311812	00/16-15-034-10W4/0	Issued	16-15-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311740	07/14-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311624	00/11-28-038-23W4/0	Suspension	11-28-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311611	00/05-17-034-10W4/0	Issued	05-17-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311609	00/06-14-034-10W4/0	Issued	06-14-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311605	00/06-21-034-10W4/0	Issued	06-21-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311601	00/06-16-034-10W4/0	Issued	06-16-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311434	00/16-11-018-21W4/0	Suspension	16-11-018-21W4	Calgary	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0311434	00/16-11-018-21W4/0	Suspension	16-11-018-21W4	Calgary	Revolution Oil & Gas Corporation	40.00%
AlphaBow Energy Ltd. A7H2	W0311335	07/13-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311319	00/16-14-034-10W4/0	Issued	16-14-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311318	02/04-23-034-10W4/0	Issued	04-23-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311316	00/08-23-034-10W4/0	Issued	08-23-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311309	00/16-16-034-10W4/0	Issued	16-16-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311255	00/05-36-053-15W4/0	Suspension	05-36-053-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311240	00/08-21-034-10W4/0	Issued	08-21-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311228	00/14-17-033-11W4/0	Issued	14-17-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311224	00/14-19-033-11W4/0	Amended	14-19-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311221	02/06-23-034-11W4/0	Issued	06-23-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311216	00/14-26-033-12W4/0	Issued	14-26-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311202	00/16-03-034-10W4/0	Issued	16-03-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311201	00/09-07-034-11W4/0	Issued	09-07-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311198	00/13-06-034-11W4/0	Issued	13-06-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311089	06/13-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0311069	00/11-06-056-19W5/2	Suspension	11-06-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0311069	00/11-06-056-19W5/2	Suspension	11-06-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0310986	03/12-33-040-11W4/0	Issued	12-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310974	07/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0310974	07/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0310893	04/10-06-041-11W4/0	Suspension	09-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0310819	00/16-17-034-10W4/0	Issued	16-17-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310803	00/08-34-028-18W4/0	Issued	08-34-028-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310800	00/11-34-028-18W4/0	Issued	11-34-028-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310722	00/09-09-034-10W4/0	Issued	09-09-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310711	00/08-25-033-12W4/0	Issued	08-25-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310683	00/08-02-034-12W4/0	Issued	08-02-034-12W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0310683	00/08-02-034-12W4/0	Issued	08-02-034-12W4	Wainwright	Obsidian Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0310681	00/14-03-034-12W4/0	Issued	14-03-034-12W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0310681	00/14-03-034-12W4/0	Issued	14-03-034-12W4	Wainwright	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0310466	00/14-07-013-11W4/0	Issued	14-07-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310464	00/06-26-013-12W4/0	Issued	06-26-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310448	00/08-02-037-25W4/0	Issued	08-02-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310433	00/08-20-013-11W4/0	Suspension	08-20-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310413	00/16-07-034-10W4/0	Issued	16-07-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310412	00/14-07-033-11W4/0	Issued	14-07-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310226	03/12-28-040-10W4/0	Suspension	05-28-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310141	00/16-18-013-11W4/0	Issued	16-18-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0310073	00/09-06-052-13W4/0	Suspension	09-06-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309737	00/16-14-034-11W4/0	Issued	16-14-034-11W4	Wainwright	AlphaBow Energy Ltd.	92.97%
AlphaBow Energy Ltd. A7H2	W0309737	00/16-14-034-11W4/0	Issued	16-14-034-11W4	Wainwright	Canadian Natural Resources Limited	7.03%
AlphaBow Energy Ltd. A7H2	W0309732	00/06-14-034-11W4/0	Issued	06-14-034-11W4	Wainwright	AlphaBow Energy Ltd.	92.97%
AlphaBow Energy Ltd. A7H2	W0309732	00/06-14-034-11W4/0	Issued	06-14-034-11W4	Wainwright	Canadian Natural Resources Limited	7.03%
AlphaBow Energy Ltd. A7H2	W0309707	00/08-30-036-21W4/0	Issued	08-30-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309693	00/13-24-033-12W4/0	Amended	13-24-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309685	00/13-29-033-11W4/0	Issued	13-29-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309684	00/06-27-013-12W4/0	Issued	14-22-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309683	00/06-07-034-10W4/0	Issued	06-07-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309679	00/06-09-034-10W4/0	Issued	06-09-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309632	00/11-18-013-11W4/0	Issued	11-18-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309630	00/06-20-013-11W4/0	Issued	06-20-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309408	00/16-24-013-12W4/0	Issued	16-24-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309407	02/14-29-013-12W4/0	Issued	14-29-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309395	02/06-24-013-12W4/0	Issued	06-24-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309390	00/06-13-013-12W4/0	Issued	06-13-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309389	00/14-13-013-12W4/0	Issued	14-13-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309388	00/08-13-013-12W4/0	Issued	08-13-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0309380	00/14-22-013-12W4/0	Issued	14-22-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309236	00/14-14-013-12W4/0	Suspension	14-14-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309235	02/16-13-013-12W4/0	Issued	16-13-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309227	00/16-22-013-12W4/0	Issued	16-22-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309225	00/16-14-013-12W4/0	Issued	16-14-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309222	00/08-14-013-12W4/0	Issued	08-14-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309189	02/06-23-013-12W4/0	Issued	06-23-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309082	00/14-18-013-11W4/0	Issued	14-18-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0309004	00/08-23-013-12W4/0	Amended	08-23-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308987	00/08-18-013-11W4/0	Issued	08-18-013-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308978	00/08-22-013-12W4/0	Issued	08-22-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308738	00/14-27-013-12W4/0	Suspension	14-27-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308724	00/16-29-013-12W4/0	Amended	16-29-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308720	00/14-24-013-12W4/0	Issued	14-24-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308718	00/08-24-013-12W4/0	Issued	08-24-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308493	03/13-24-040-13W4/0	Issued	11-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308491	00/08-20-036-25W4/0	Issued	08-20-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0308315	02/10-27-056-16W4/0	Amended	15-27-056-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0307901	00/09-11-007-20W4/0	Issued	09-11-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0305934	00/16-28-050-06W4/0	Issued	16-28-050-06W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0305696	00/04-11-056-18W4/0	Issued	04-11-056-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0305677	00/06-34-040-01W4/0	Issued	06-34-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0305626	00/07-34-040-01W4/0	Suspension	06-34-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0305237	00/03-12-065-14W4/0	Issued	03-12-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304982	00/12-08-006-18W4/0	Issued	12-08-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0304982	00/12-08-006-18W4/0	Issued	12-08-006-18W4	Medicine Hat	Browning Oil & Gas Ltd.	5.00%
AlphaBow Energy Ltd. A7H2	W0304982	00/12-08-006-18W4/0	Issued	12-08-006-18W4	Medicine Hat	Concrest Corporation Ltd.	5.00%
AlphaBow Energy Ltd. A7H2	W0304982	00/12-08-006-18W4/0	Issued	12-08-006-18W4	Medicine Hat	Ignite Energy Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0304982	00/12-08-006-18W4/0	Issued	12-08-006-18W4	Medicine Hat	Impact Property Inc.	15.00%
AlphaBow Energy Ltd. A7H2	W0304905	00/01-29-027-11W4/0	Suspension	01-29-027-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304901	02/09-33-065-13W4/0	Suspension	09-33-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304892	00/09-06-065-12W4/0	Suspension	09-06-065-12W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304815	00/13-28-027-11W4/0	Suspension	13-28-027-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304707	02/07-13-065-14W4/0	Issued	07-13-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304564	00/01-11-028-18W4/0	Issued	01-11-028-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0304496	02/04-26-056-16W4/0	Suspension	13-23-056-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0304412	00/07-03-065-14W4/0	Issued	07-03-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0303906	00/02-36-064-14W4/0	Issued	02-36-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0303597	00/05-15-029-18W4/0	Suspension	05-15-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0303511	00/08-01-037-25W4/0	Issued	08-01-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0303380	00/13-16-031-13W4/0	Suspension	13-16-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0303155	03/06-26-036-25W4/0	Suspension	06-26-036-25W4	Red Deer	AlphaBow Energy Ltd.	49.70%
AlphaBow Energy Ltd. A7H2	W0303155	03/06-26-036-25W4/0	Suspension	06-26-036-25W4	Red Deer	Ember Resources Inc.	50.30%
AlphaBow Energy Ltd. A7H2	W0302932	00/08-14-064-14W4/0	Issued	08-14-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0302723	02/04-16-042-15W4/0	Issued	04-16-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0302507	00/01-35-036-25W4/0	Issued	01-35-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0302505	00/09-35-036-25W4/0	Issued	09-35-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0302107	00/06-19-005-18W4/0	Issued	06-19-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0302107	00/06-19-005-18W4/0	Issued	06-19-005-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0302107	00/06-19-005-18W4/0	Issued	06-19-005-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0302107	00/06-19-005-18W4/0	Issued	06-19-005-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0302067	02/11-24-040-13W4/0	Suspension	11-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0301983	00/12-24-040-13W4/0	Suspension	12-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0301925	02/10-10-043-15W4/0	Suspension	10-10-043-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0301729	00/08-24-064-14W4/0	Issued	08-24-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0301123	00/03-28-064-13W4/0	Suspension	03-28-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0300446	03/14-24-040-13W4/0	Suspension	14-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0300445	04/14-24-040-13W4/0	Suspension	14-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0299716	00/14-20-007-20W4/0	Issued	14-20-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0298475	00/02-04-029-17W4/0	Suspension	02-04-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0298336	00/08-04-043-28W4/0	Suspension	08-04-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0297536	00/12-19-033-11W4/0	Suspension	12-19-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0296955	00/01-12-053-15W4/0	Issued	01-12-053-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0296912	03/09-29-040-12W4/0	Suspension	09-29-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0296873	02/14-28-040-12W4/0	Suspension	14-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0296804	02/09-29-040-12W4/0	Suspension	09-29-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295777	00/14-03-043-28W4/0	Suspension	14-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295603	00/15-12-060-12W4/0	Suspension	16-12-060-12W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295501	00/04-03-064-14W4/0	Amended	04-03-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295498	00/13-17-065-13W4/0	Issued	13-17-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295409	00/09-28-050-10W4/0	Suspension	09-28-050-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0295367	00/11-33-028-18W4/0	Amended	11-33-028-18W4	Calgary	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0295269	02/07-08-063-13W4/0	Issued	07-08-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0294632	00/10-04-029-18W4/0	Amended	12-04-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0294594	00/16-06-010-20W4/0	Issued	16-06-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0294291	02/12-28-040-12W4/0	Issued	12-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0294253	00/06-35-005-19W4/0	Issued	06-35-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0294253	00/06-35-005-19W4/0	Issued	06-35-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0294253	00/06-35-005-19W4/0	Issued	06-35-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0294253	00/06-35-005-19W4/0	Issued	06-35-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0294252	00/06-24-005-19W4/0	Issued	06-24-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0294252	00/06-24-005-19W4/0	Issued	06-24-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0294252	00/06-24-005-19W4/0	Issued	06-24-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0294252	00/06-24-005-19W4/0	Issued	06-24-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0294222	00/05-28-008-20W4/0	Amended	05-28-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293984	00/15-14-065-14W4/0	Issued	15-14-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293694	03/13-28-040-12W4/0	Suspension	13-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293637	00/09-16-057-16W4/0	Suspension	09-16-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293223	00/15-18-065-13W4/0	Issued	15-18-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293178	00/01-30-064-13W4/0	Issued	01-30-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0293164	00/01-13-064-14W4/0	Suspension	08-13-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292964	00/04-31-064-13W4/0	Suspension	04-31-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292821	00/03-29-064-13W4/0	Issued	03-29-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292816	00/06-30-064-13W4/0	Issued	06-30-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292546	00/02-28-055-14W4/0	Issued	02-28-055-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292443	00/01-20-065-13W4/0	Suspension	01-20-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292302	00/09-27-013-12W4/0	Issued	09-27-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292290	00/05-18-064-13W4/0	Amended	05-18-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292276	00/01-03-065-13W4/0	Amended	01-03-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0292250	02/04-08-009-20W4/0	Issued	04-08-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0291986	00/16-23-013-12W4/0	Issued	16-23-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0291279	00/06-26-033-12W4/0	Issued	06-26-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0291275	00/06-13-050-15W4/0	Suspension	06-13-050-15W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0291275	00/06-13-050-15W4/0	Suspension	06-13-050-15W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0291275	00/06-13-050-15W4/0	Suspension	06-13-050-15W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0291275	00/06-13-050-15W4/0	Suspension	06-13-050-15W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0291030	00/02-06-054-18W5/3	Suspension	02-06-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0291030	00/02-06-054-18W5/3	Suspension	02-06-054-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0290504	00/15-13-054-17W4/0	Suspension	15-13-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0290248	02/14-11-028-18W4/0	Suspension	14-11-028-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0290220	00/16-17-033-11W4/0	Amended	16-17-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0290145	00/16-07-034-11W4/0	Issued	16-07-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0290098	00/16-06-033-11W4/0	Suspension	16-06-033-11W4	Wainwright	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0290098	00/16-06-033-11W4/0	Suspension	16-06-033-11W4	Wainwright	Coastal Resources Limited	31.25%
AlphaBow Energy Ltd. A7H2	W0290097	00/06-11-032-13W4/0	Issued	06-11-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0290010	02/15-35-040-12W4/0	Suspension	10-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289998	05/10-35-040-12W4/0	Suspension	10-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289719	00/01-01-029-19W4/0	Issued	01-01-029-19W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289617	00/10-27-032-11W4/0	Suspension	10-27-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289437	00/07-12-054-17W4/0	Suspension	07-12-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289426	00/06-34-011-10W4/0	Amended	04-34-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289424	00/16-28-011-10W4/0	Issued	04-34-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0289347	00/16-03-034-12W4/0	Issued	16-03-034-12W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0289347	00/16-03-034-12W4/0	Issued	16-03-034-12W4	Wainwright	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0289274	00/01-06-006-18W4/0	Issued	01-06-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0289274	00/01-06-006-18W4/0	Issued	01-06-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0289274	00/01-06-006-18W4/0	Issued	01-06-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0289274	00/01-06-006-18W4/0	Issued	01-06-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0289251	02/04-04-029-18W4/0	Issued	04-04-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288954	00/04-11-012-10W4/0	Issued	16-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288953	00/16-13-034-12W4/0	Issued	16-13-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288932	00/06-08-007-19W4/0	Issued	06-08-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288877	00/04-17-028-10W4/0	Issued	04-17-028-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288848	00/15-34-032-11W4/0	Suspension	15-34-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288842	00/01-12-012-10W4/0	Suspension	10-12-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288788	00/06-21-033-11W4/0	Issued	06-21-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288590	00/14-22-028-17W4/0	Issued	02-27-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288462	00/16-02-012-10W4/0	Issued	13-01-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288461	00/11-01-012-10W4/0	Issued	13-01-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288398	02/06-32-011-10W4/0	Amended	13-29-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288397	00/01-31-011-10W4/0	Issued	13-29-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288205	00/06-17-034-11W4/0	Issued	06-17-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288203	00/16-17-034-11W4/0	Issued	16-17-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288184	00/15-21-052-14W4/0	Suspension	15-21-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0288180	00/16-15-034-11W4/0	Issued	16-15-034-11W4	Wainwright	AlphaBow Energy Ltd.	71.90%
AlphaBow Energy Ltd. A7H2	W0288180	00/16-15-034-11W4/0	Issued	16-15-034-11W4	Wainwright	Canadian Natural Resources Limited	28.10%
AlphaBow Energy Ltd. A7H2	W0288155	00/06-03-034-12W4/0	Issued	06-03-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0288013	02/11-28-011-10W4/0	Amended	13-28-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287999	00/16-28-033-11W4/0	Issued	16-28-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287998	00/16-20-033-11W4/0	Issued	16-20-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287984	04/14-16-040-07W4/0	Issued	12-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287980	03/14-16-040-07W4/0	Issued	12-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287977	02/14-16-040-07W4/0	Suspension	12-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287968	00/16-07-033-11W4/0	Issued	16-07-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287967	00/16-08-033-11W4/0	Issued	16-08-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287916	00/06-20-033-11W4/0	Issued	06-20-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287915	02/06-08-033-11W4/0	Issued	06-08-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287914	00/08-35-011-10W4/0	Issued	08-35-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287853	00/16-09-034-11W4/0	Issued	16-09-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287813	00/15-03-040-12W4/0	Issued	15-03-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287695	00/12-15-012-10W4/0	Suspension	12-15-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287681	00/07-34-028-17W4/0	Issued	08-34-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287656	00/01-01-012-10W4/0	Issued	01-01-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287633	00/01-14-012-10W4/0	Issued	13-12-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	80.00%
AlphaBow Energy Ltd. A7H2	W0287633	00/01-14-012-10W4/0	Issued	13-12-012-10W4	Medicine Hat	Signalta Resources Limited	20.00%
AlphaBow Energy Ltd. A7H2	W0287627	00/06-31-011-10W4/0	Amended	13-30-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287626	02/11-30-011-10W4/0	Amended	13-30-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287609	02/06-15-034-11W4/0	Issued	06-15-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287608	00/06-08-034-11W4/0	Issued	06-08-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287531	00/16-33-033-11W4/0	Amended	16-33-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287517	00/12-36-011-11W4/0	Amended	07-36-011-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287516	00/04-36-011-11W4/0	Issued	07-36-011-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287515	00/01-36-011-11W4/0	Suspension	07-36-011-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287471	00/06-17-033-11W4/0	Amended	06-17-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287469	00/16-18-033-11W4/0	Amended	16-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287468	00/06-19-033-11W4/0	Amended	06-19-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287394	00/04-13-012-10W4/0	Suspension	07-13-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287390	00/09-14-012-10W4/0	Amended	15-14-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	80.00%
AlphaBow Energy Ltd. A7H2	W0287390	00/09-14-012-10W4/0	Amended	15-14-012-10W4	Medicine Hat	Signalta Resources Limited	20.00%
AlphaBow Energy Ltd. A7H2	W0287389	00/12-14-012-10W4/0	Amended	15-14-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	80.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0287389	00/12-14-012-10W4/0	Amended	15-14-012-10W4	Medicine Hat	Signalta Resources Limited	20.00%
AlphaBow Energy Ltd. A7H2	W0287386	00/04-01-012-10W4/0	Suspension	16-35-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287385	00/10-35-011-10W4/0	Amended	16-35-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287371	00/01-25-011-10W4/0	Issued	06-25-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287369	00/03-35-011-10W4/0	Amended	01-34-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287367	00/10-27-011-10W4/0	Amended	01-34-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287355	00/06-03-043-28W4/0	Suspension	06-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287063	00/14-08-034-11W4/0	Issued	14-08-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0287023	00/06-04-034-11W4/0	Issued	06-04-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286970	00/06-25-033-12W4/0	Issued	06-25-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286964	00/06-28-033-11W4/0	Issued	06-28-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286962	00/16-04-034-11W4/0	Issued	16-04-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286519	00/16-29-033-11W4/0	Issued	16-29-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286368	00/16-21-033-11W4/0	Issued	16-21-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286367	00/06-24-033-12W4/0	Issued	06-24-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286366	00/06-18-033-11W4/0	Issued	06-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286364	02/06-29-033-11W4/0	Issued	06-29-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286361	00/06-07-034-11W4/0	Issued	06-07-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0286151	00/15-28-006-19W4/0	Issued	15-28-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0285151	00/13-02-008-19W4/0	Issued	13-02-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0285033	00/08-04-050-14W4/0	Suspension	08-04-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0285033	00/08-04-050-14W4/0	Suspension	08-04-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0285033	00/08-04-050-14W4/0	Suspension	08-04-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0285033	00/08-04-050-14W4/0	Suspension	08-04-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0284521	00/04-25-062-12W4/0	Suspension	04-25-062-12W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0284260	00/03-20-032-11W4/0	Suspension	03-20-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0284230	02/01-36-028-19W4/0	Issued	01-36-028-19W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0283803	00/13-32-050-11W4/0	Suspension	13-32-050-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0283751	00/08-31-051-14W4/0	Issued	08-31-051-14W4	Wainwright	Gain Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0283212	00/06-24-026-11W4/0	Suspension	06-24-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0283043	00/06-21-007-20W4/0	Issued	06-21-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282987	00/10-16-064-13W4/0	Suspension	10-16-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282866	03/13-35-040-12W4/0	Suspension	11-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282800	04/10-35-040-12W4/0	Suspension	13-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282791	00/14-14-026-11W4/0	Issued	14-14-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282773	03/10-35-040-12W4/0	Issued	13-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0282766	00/11-35-040-12W4/0	Suspension	12-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282669	02/13-35-040-12W4/0	Issued	06-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282665	02/10-35-040-12W4/0	Suspension	10-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282306	00/10-07-063-10W4/0	Amended	10-07-063-10W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282292	02/12-35-040-12W4/0	Issued	06-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282223	00/05-27-010-22W4/0	Suspension	04-27-010-22W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0282079	00/13-34-058-18W5/0	Suspension	02-02-059-18W5	Edmonton	AlphaBow Energy Ltd.	17.50%
AlphaBow Energy Ltd. A7H2	W0282079	00/13-34-058-18W5/0	Suspension	02-02-059-18W5	Edmonton	TAQA North Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0282079	00/13-34-058-18W5/0	Suspension	02-02-059-18W5	Edmonton	Whitecap Resources Inc.	7.50%
AlphaBow Energy Ltd. A7H2	W0281744	00/14-08-028-10W4/0	Amended	14-08-028-10W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0281744	00/14-08-028-10W4/0	Amended	14-08-028-10W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0281695	00/09-07-029-18W4/0	Amended	09-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0281694	W0/04-05-028-17W4/0	Amended	04-05-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0281694	W0/04-05-028-17W4/0	Amended	04-05-028-17W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0281293	00/06-22-052-14W4/0	Issued	06-22-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0281091	00/15-20-064-13W4/0	Issued	15-20-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0281038	00/11-05-029-18W4/0	Amended	11-05-029-18W4	Calgary	AlphaBow Energy Ltd.	65.63%
AlphaBow Energy Ltd. A7H2	W0281038	00/11-05-029-18W4/0	Amended	11-05-029-18W4	Calgary	Canadian Natural Resources	31.25%
AlphaBow Energy Ltd. A7H2	W0281038	00/11-05-029-18W4/0	Amended	11-05-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0280531	00/06-19-029-12W4/2	Issued	06-19-029-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0280529	00/10-29-056-16W4/0	Suspension	10-29-056-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0280425	00/11-32-041-25W4/0	Suspension	11-32-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0280424	00/04-21-055-19W5/0	Issued	04-21-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0280424	00/04-21-055-19W5/0	Issued	04-21-055-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0280085	00/07-20-052-12W4/0	Suspension	08-20-052-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0280007	00/06-21-012-11W4/0	Suspension	06-21-012-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0280006	00/03-22-012-11W4/0	Suspension	03-22-012-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0279181	00/06-22-010-22W4/0	Suspension	07-22-010-22W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0278536	00/04-20-054-17W4/0	Suspension	04-20-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0278488	00/13-04-005-17W4/0	Issued	13-04-005-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0277037	02/01-14-050-12W4/0	Suspension	01-14-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276183	02/07-18-012-09W4/0	Suspension	07-18-012-09W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276171	00/14-05-012-10W4/0	Issued	03-08-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276170	00/07-08-012-10W4/0	Issued	03-08-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276169	00/05-08-012-10W4/0	Issued	03-08-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276006	00/16-09-012-10W4/0	Issued	04-15-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0276005	00/13-10-012-10W4/0	Issued	04-15-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0276004	00/06-15-012-10W4/0	Amended	04-15-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275732	02/02-20-034-10W4/0	Issued	02-20-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275722	00/12-34-052-10W4/0	Suspension	12-34-052-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275604	00/13-04-012-10W4/0	Issued	01-08-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275603	00/04-09-012-10W4/0	Issued	01-08-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275430	00/10-16-012-10W4/0	Issued	11-16-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275429	00/13-16-012-10W4/0	Amended	11-16-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275247	00/02-04-051-10W4/0	Suspension	02-04-051-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275231	00/03-32-050-14W4/0	Suspension	03-32-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275155	00/16-34-011-10W4/0	Suspension	01-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275154	00/13-35-011-10W4/0	Suspension	01-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275153	00/04-02-012-10W4/0	Suspension	01-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0275152	00/07-03-012-10W4/0	Issued	01-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274870	00/13-32-011-10W4/0	Issued	04-05-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274865	00/16-04-012-10W4/0	Issued	13-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274864	00/01-09-012-10W4/0	Issued	13-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274862	00/16-33-011-10W4/0	Issued	04-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274861	00/01-04-012-10W4/0	Issued	04-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274818	00/03-04-012-10W4/0	Amended	01-05-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274816	00/01-10-012-10W4/0	Issued	16-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274813	00/16-10-012-10W4/0	Issued	04-14-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0274812	00/06-14-012-10W4/0	Amended	04-14-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	80.00%
AlphaBow Energy Ltd. A7H2	W0274812	00/06-14-012-10W4/0	Amended	04-14-012-10W4	Medicine Hat	Signalta Resources Limited	20.00%
AlphaBow Energy Ltd. A7H2	W0274794	02/07-27-040-10W4/0	Issued	07-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273997	00/01-33-031-10W4/0	Issued	01-33-031-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273842	02/14-23-040-10W4/0	Issued	14-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273610	02/05-28-040-10W4/0	Issued	05-28-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273210	02/10-02-059-18W5/0	Issued	10-02-059-18W5	Edmonton	AlphaBow Energy Ltd.	17.50%
AlphaBow Energy Ltd. A7H2	W0273210	02/10-02-059-18W5/0	Issued	10-02-059-18W5	Edmonton	TAQA North Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0273210	02/10-02-059-18W5/0	Issued	10-02-059-18W5	Edmonton	Whitecap Resources Inc.	7.50%
AlphaBow Energy Ltd. A7H2	W0273146	00/12-08-028-17W4/0	Issued	12-08-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	48.98%
AlphaBow Energy Ltd. A7H2	W0273146	00/12-08-028-17W4/0	Issued	12-08-028-17W4	Medicine Hat	Canadian Natural Resources Limited	51.02%
AlphaBow Energy Ltd. A7H2	W0273131	00/03-34-050-15W4/0	Suspension	03-34-050-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273067	00/16-10-010-21W4/0	Amended	16-10-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0273051	00/13-35-040-12W4/0	Suspension	11-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0273039	00/12-28-051-13W4/0	Suspension	12-28-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272787	00/06-06-029-16W4/0	Issued	06-06-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272744	00/06-06-034-11W4/0	Issued	06-06-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272743	02/16-01-034-12W4/0	Issued	16-01-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272742	00/06-05-034-11W4/0	Issued	06-05-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272741	00/16-05-034-11W4/0	Issued	16-05-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272740	00/06-02-034-12W4/0	Issued	06-02-034-12W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0272740	00/06-02-034-12W4/0	Issued	06-02-034-12W4	Wainwright	Obsidian Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0272739	00/16-02-034-12W4/0	Issued	16-02-034-12W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0272739	00/16-02-034-12W4/0	Issued	16-02-034-12W4	Wainwright	Obsidian Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0272737	00/06-07-033-11W4/0	Amended	06-07-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272711	00/15-25-033-12W4/0	Issued	15-25-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272710	00/16-06-034-11W4/0	Amended	16-06-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272647	00/04-24-026-11W4/0	Amended	04-24-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272595	00/03-04-032-10W4/0	Issued	14-33-031-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272566	02/11-13-026-11W4/0	Suspension	11-13-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272529	00/02-17-055-18W4/0	Suspension	02-17-055-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272234	00/10-22-006-19W4/0	Issued	10-22-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	77.00%
AlphaBow Energy Ltd. A7H2	W0272234	00/10-22-006-19W4/0	Issued	10-22-006-19W4	Medicine Hat	Concrest Corporation Ltd.	1.57%
AlphaBow Energy Ltd. A7H2	W0272234	00/10-22-006-19W4/0	Issued	10-22-006-19W4	Medicine Hat	Federated Co-Operatives Limited	21.00%
AlphaBow Energy Ltd. A7H2	W0272234	00/10-22-006-19W4/0	Issued	10-22-006-19W4	Medicine Hat	Rofamco Investments Ltd.	0.43%
AlphaBow Energy Ltd. A7H2	W0272205	00/11-18-006-19W4/0	Issued	11-18-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272088	02/10-15-052-14W4/0	Suspension	10-15-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0272052	02/04-15-040-07W4/0	Suspension	04-15-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0271870	04/15-33-040-01W4/0	Issued	15-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0271428	00/16-14-048-12W4/2	Issued	16-14-048-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0271124	02/06-35-053-15W4/0	Issued	06-35-053-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0271042	00/08-32-052-14W4/0	Suspension	08-32-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270795	00/11-16-040-07W4/0	Issued	11-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270560	00/03-33-040-07W4/0	Suspension	03-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270539	00/16-30-052-14W4/0	Suspension	16-30-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270533	02/12-29-056-16W4/0	Suspension	12-29-056-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270510	00/10-27-006-19W4/0	Issued	10-27-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0270510	00/10-27-006-19W4/0	Issued	10-27-006-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0270510	00/10-27-006-19W4/0	Issued	10-27-006-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0270510	00/10-27-006-19W4/0	Issued	10-27-006-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%

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AlphaBow Energy Ltd. A7H2	W0270482	03/03-21-040-07W4/0	Issued	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270463	00/01-10-054-17W4/3	Suspension	01-10-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270383	00/12-12-040-12W4/0	Issued	12-12-040-12W4	Wainwright	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0270383	00/12-12-040-12W4/0	Issued	12-12-040-12W4	Wainwright	New North Resources Ltd.	31.25%
AlphaBow Energy Ltd. A7H2	W0270373	00/02-16-008-21W4/0	Issued	16-09-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270293	00/16-15-005-18W4/0	Issued	16-15-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270292	00/11-18-009-20W4/0	Issued	11-18-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270252	02/07-34-052-14W4/0	Suspension	07-34-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270168	05/07-22-040-10W4/0	Suspension	03-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270062	00/13-34-054-15W4/0	Suspension	14-34-054-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270055	02/08-22-040-10W4/0	Issued	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0270004	04/14-08-040-12W4/0	Issued	14-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0269794	02/11-08-040-12W4/0	Suspension	11-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0269623	04/15-28-040-07W4/0	Suspension	16-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0269514	00/10-29-031-26W4/0	Suspension	07-29-031-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0269480	02/08-01-040-12W4/0	Suspension	08-01-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0269466	03/16-28-040-07W4/0	Issued	16-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268723	00/08-28-010-21W4/0	Suspension	08-28-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268707	00/16-14-010-21W4/0	Amended	16-14-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268470	00/04-16-012-10W4/0	Issued	04-16-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268439	00/04-03-012-10W4/0	Suspension	04-03-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268345	00/08-18-008-17W4/0	Amended	08-18-008-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268310	00/16-27-065-15W4/0	Issued	16-27-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0268167	00/07-16-069-15W4/0	Suspension	10-16-069-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0267796	00/14-30-007-18W4/0	Issued	14-30-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0267688	00/12-15-064-13W4/0	Issued	12-15-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0267645	00/16-05-007-19W4/0	Issued	16-05-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266392	00/14-31-051-13W4/0	Suspension	14-31-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266194	00/10-09-050-12W4/0	Suspension	10-09-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266148	00/06-28-041-25W4/2	Suspension	06-28-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266134	00/06-24-009-21W4/0	Issued	06-24-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266133	00/16-14-009-21W4/0	Issued	16-14-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0266013	00/11-03-007-19W4/0	Issued	11-03-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0266013	00/11-03-007-19W4/0	Issued	11-03-007-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0266013	00/11-03-007-19W4/0	Issued	11-03-007-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0266013	00/11-03-007-19W4/0	Issued	11-03-007-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%



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AlphaBow Energy Ltd. A7H2	W0265975	00/12-13-052-14W4/0	Suspension	12-13-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0265891	00/15-17-050-12W4/0	Suspension	15-17-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0265323	00/16-25-005-19W4/0	Issued	16-25-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0265323	00/16-25-005-19W4/0	Issued	16-25-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0265323	00/16-25-005-19W4/0	Issued	16-25-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0265323	00/16-25-005-19W4/0	Issued	16-25-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0263707	00/05-02-010-20W4/0	Issued	05-02-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0263502	00/11-11-041-12W4/0	Issued	07-11-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0261818	00/06-34-034-11W4/0	Issued	06-34-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0261050	00/08-15-066-22W5/0	Suspension	08-15-066-22W5	Grande Prairie	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0261050	00/08-15-066-22W5/0	Suspension	08-15-066-22W5	Grande Prairie	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0260825	00/10-14-052-12W4/0	Suspension	10-14-052-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0260799	00/14-08-036-07W4/0	Suspension	14-08-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0260605	07/04-23-040-10W4/0	Suspension	04-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0260227	02/06-16-053-15W4/0	Issued	06-16-053-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0260195	02/14-01-041-12W4/0	Suspension	14-01-041-12W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0260195	02/14-01-041-12W4/0	Suspension	14-01-041-12W4	Wainwright	SanLing Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0259863	00/15-07-028-17W4/0	Suspension	15-07-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0259598	00/05-18-010-20W4/0	Issued	04-18-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0259383	00/04-27-007-18W4/0	Issued	04-27-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0259201	00/10-36-053-18W5/2	Issued	10-36-053-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0259201	00/10-36-053-18W5/2	Issued	10-36-053-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0258993	00/15-23-009-21W4/0	Amended	02-26-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0258697	07/09-20-040-07W4/0	Issued	09-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0258633	00/11-08-010-20W4/0	Issued	11-08-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0258588	00/10-17-006-19W4/0	Issued	15-17-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0258165	00/01-22-034-10W4/0	Issued	01-22-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0257516	00/11-07-005-18W4/0	Issued	11-07-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0257476	00/14-08-029-18W4/0	Amended	14-08-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0257476	00/14-08-029-18W4/0	Amended	14-08-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0257423	00/03-26-010-20W4/0	Amended	03-26-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0257355	00/14-16-032-13W4/2	Issued	14-16-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	65.00%
AlphaBow Energy Ltd. A7H2	W0257355	00/14-16-032-13W4/2	Issued	14-16-032-13W4	Medicine Hat	Norma Jeane Energy Inc.	35.00%
AlphaBow Energy Ltd. A7H2	W0257126	00/03-24-005-18W4/0	Issued	03-24-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256976	03/09-06-041-11W4/0	Suspension	09-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256975	02/09-06-041-11W4/0	Suspension	09-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0256643	00/07-27-028-17W4/0	Amended	08-27-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256598	00/03-33-008-19W4/0	Amended	03-33-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256543	08/12-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256542	09/05-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256541	09/12-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256540	07/05-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256539	06/05-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256538	10/04-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256537	04/05-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256536	07/12-32-040-11W4/0	Suspension	12-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256535	06/12-32-040-11W4/0	Suspension	12-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256534	05/12-32-040-11W4/0	Suspension	12-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256383	00/16-16-032-13W4/0	Issued	16-16-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	65.00%
AlphaBow Energy Ltd. A7H2	W0256383	00/16-16-032-13W4/0	Issued	16-16-032-13W4	Medicine Hat	Norma Jeane Energy Inc.	35.00%
AlphaBow Energy Ltd. A7H2	W0256157	00/13-03-030-11W4/0	Amended	13-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0256023	00/06-16-032-13W4/0	Issued	06-16-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	65.00%
AlphaBow Energy Ltd. A7H2	W0256023	00/06-16-032-13W4/0	Issued	06-16-032-13W4	Medicine Hat	Norma Jeane Energy Inc.	35.00%
AlphaBow Energy Ltd. A7H2	W0255952	00/13-26-028-17W4/0	Amended	13-26-028-17W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0255952	00/13-26-028-17W4/0	Amended	13-26-028-17W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0255888	00/10-29-007-18W4/0	Issued	10-29-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255762	00/14-27-033-08W4/0	Suspension	14-27-033-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255628	00/12-05-029-18W4/0	Suspension	12-05-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255537	02/09-16-032-13W4/0	Issued	09-16-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	65.00%
AlphaBow Energy Ltd. A7H2	W0255537	02/09-16-032-13W4/0	Issued	09-16-032-13W4	Medicine Hat	Norma Jeane Energy Inc.	35.00%
AlphaBow Energy Ltd. A7H2	W0255403	02/03-21-040-07W4/0	Issued	03-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255360	02/13-05-029-18W4/0	Suspension	13-05-029-18W4	Calgary	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0255360	02/13-05-029-18W4/0	Suspension	13-05-029-18W4	Calgary	Canadian Natural Resources Limited	31.25%
AlphaBow Energy Ltd. A7H2	W0255359	03/14-07-029-18W4/0	Issued	14-07-029-18W4	Calgary	AlphaBow Energy Ltd.	65.63%
AlphaBow Energy Ltd. A7H2	W0255359	03/14-07-029-18W4/0	Issued	14-07-029-18W4	Calgary	Canadian Natural Resources Limited	31.25%
AlphaBow Energy Ltd. A7H2	W0255359	03/14-07-029-18W4/0	Issued	14-07-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0255287	00/02-26-013-12W4/2	Suspension	02-26-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255216	00/08-22-050-12W4/0	Suspension	08-22-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0255078	00/12-28-052-12W4/0	Issued	12-28-052-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0254939	00/03-31-049-12W4/0	Suspension	03-31-049-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0254389	00/11-23-005-19W4/0	Issued	11-23-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0254283	00/14-18-007-20W4/0	Amended	14-18-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0254227	03/14-33-025-15W4/0	Suspension	14-33-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0254227	03/14-33-025-15W4/0	Suspension	14-33-025-15W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0253832	00/07-08-005-17W4/0	Issued	07-08-005-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253679	09/12-23-040-10W4/0	Suspension	12-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253673	05/11-23-040-10W4/0	Issued	11-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253672	04/11-23-040-10W4/0	Suspension	11-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253670	00/07-22-054-18W5/3	Issued	07-22-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0253670	00/07-22-054-18W5/3	Issued	07-22-054-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0253600	02/10-07-050-12W4/0	Suspension	10-07-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253301	00/10-08-036-07W4/0	Suspension	10-08-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0253279	03/04-33-040-07W4/0	Issued	04-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0252923	02/13-21-040-01W4/0	Issued	15-21-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0252619	00/05-30-025-14W4/0	Suspension	05-30-025-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0252619	00/05-30-025-14W4/0	Suspension	05-30-025-14W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0252601	00/16-01-029-17W4/0	Suspension	16-01-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0252406	00/16-12-008-18W4/2	Issued	16-12-008-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0252239	00/04-06-053-19W5/0	Issued	13-31-052-19W5	Drayton Valley	AlphaBow Energy Ltd.	42.00%
AlphaBow Energy Ltd. A7H2	W0252239	00/04-06-053-19W5/0	Issued	13-31-052-19W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	40.00%
AlphaBow Energy Ltd. A7H2	W0252239	00/04-06-053-19W5/0	Issued	13-31-052-19W5	Drayton Valley	Whitecap Resources Inc.	18.00%
AlphaBow Energy Ltd. A7H2	W0252208	02/09-36-050-13W4/0	Suspension	09-36-050-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0252080	02/03-04-041-11W4/0	Suspension	04-04-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0251968	00/02-22-050-12W4/0	Suspension	02-22-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0251711	00/06-03-010-21W4/0	Issued	06-03-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0251378	00/02-19-053-20W5/0	Issued	02-19-053-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0251378	00/02-19-053-20W5/0	Issued	02-19-053-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0251363	05/13-14-040-10W4/0	Suspension	13-14-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0251249	00/16-35-007-21W4/0	Issued	16-35-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0251139	02/10-21-055-14W4/0	Suspension	10-21-055-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250953	04/15-06-041-11W4/0	Suspension	15-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250951	03/15-06-041-11W4/0	Suspension	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250950	06/14-06-041-11W4/0	Suspension	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250949	05/14-06-041-11W4/0	Suspension	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250947	03/14-06-041-11W4/0	Suspension	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250751	00/10-03-008-19W4/0	Issued	10-03-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0250004	00/02-28-007-19W4/0	Issued	02-28-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0249908	00/13-27-031-15W4/0	Suspension	13-27-031-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0249556	00/16-01-008-21W4/0	Issued	16-01-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0249534	00/16-31-032-11W4/0	Suspension	16-31-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0249534	00/16-31-032-11W4/0	Suspension	16-31-032-11W4	Medicine Hat	Coastal Resources Limited	31.25%
AlphaBow Energy Ltd. A7H2	W0249523	00/10-08-005-18W4/0	Issued	10-08-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0249519	00/16-35-007-19W4/0	Issued	16-35-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0249515	00/13-21-040-01W4/0	Issued	15-21-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248943	00/08-25-026-11W4/0	Suspension	08-25-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248557	09/06-32-040-11W4/0	Suspension	06-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248536	06/06-32-040-11W4/0	Suspension	06-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248531	09/02-32-040-11W4/0	Issued	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248529	07/02-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248511	00/13-07-008-20W4/0	Issued	13-07-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248433	00/15-12-052-14W4/0	Suspension	15-12-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0248430	00/14-34-042-26W4/2	Suspension	14-34-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0248430	00/14-34-042-26W4/2	Suspension	14-34-042-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0248111	00/09-24-052-14W4/0	Issued	09-24-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0246182	00/01-32-051-13W4/0	Suspension	01-32-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0246055	00/01-01-029-17W4/0	Issued	08-01-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0245332	00/10-20-036-25W4/0	Suspension	10-20-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0245296	00/15-33-009-21W4/0	Issued	15-33-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0245145	09/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244928	02/10-06-041-11W4/0	Suspension	15-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244926	02/15-06-041-11W4/0	Suspension	15-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244683	02/06-34-009-21W4/0	Issued	06-34-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244624	00/09-23-010-20W4/0	Issued	09-23-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244616	02/08-26-025-15W4/0	Suspension	08-26-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0244616	02/08-26-025-15W4/0	Suspension	08-26-025-15W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0244131	00/01-30-005-18W4/0	Issued	01-30-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0244131	00/01-30-005-18W4/0	Issued	01-30-005-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0244131	00/01-30-005-18W4/0	Issued	01-30-005-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0244131	00/01-30-005-18W4/0	Issued	01-30-005-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0244092	06/03-32-040-11W4/0	Suspension	03-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244044	00/15-34-029-11W4/0	Suspension	03-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0244043	00/07-26-041-25W4/0	Suspension	07-26-041-25W4	Red Deer	AlphaBow Energy Ltd.	38.94%
AlphaBow Energy Ltd. A7H2	W0244043	00/07-26-041-25W4/0	Suspension	07-26-041-25W4	Red Deer	Glencoe Resources Ltd.	36.06%
AlphaBow Energy Ltd. A7H2	W0244043	00/07-26-041-25W4/0	Suspension	07-26-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	25.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0243999	03/05-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243901	00/03-25-007-19W4/0	Issued	03-25-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243842	00/03-36-005-19W4/0	Issued	03-36-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0243842	00/03-36-005-19W4/0	Issued	03-36-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0243842	00/03-36-005-19W4/0	Issued	03-36-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0243842	00/03-36-005-19W4/0	Issued	03-36-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0243684	00/06-15-041-25W4/0	Suspension	06-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.44%
AlphaBow Energy Ltd. A7H2	W0243684	00/06-15-041-25W4/0	Suspension	06-15-041-25W4	Red Deer	Glencoe Resources Ltd.	46.56%
AlphaBow Energy Ltd. A7H2	W0243659	02/11-15-041-25W4/0	Suspension	11-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243552	04/10-29-040-11W4/0	Suspension	11-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0243552	04/10-29-040-11W4/0	Suspension	11-29-040-11W4	Wainwright	Harvest Operations Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0243546	00/12-22-031-15W4/0	Suspension	12-22-031-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243545	05/14-32-040-11W4/0	Issued	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243542	08/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243535	00/13-06-029-16W4/0	Suspension	13-06-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243361	04/15-29-040-11W4/0	Suspension	15-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243328	00/09-20-007-20W4/0	Issued	09-20-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0243252	05/11-32-040-11W4/0	Suspension	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242898	00/11-27-007-21W4/0	Issued	11-27-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242890	00/12-35-006-20W4/0	Issued	12-35-006-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242884	00/01-17-009-19W4/0	Issued	01-17-009-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242866	00/12-03-030-11W4/0	Issued	12-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242853	00/03-24-052-14W4/0	Suspension	03-24-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242574	00/03-05-053-14W4/0	Issued	03-05-053-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242478	03/13-14-040-10W4/0	Issued	13-14-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242477	04/13-14-040-10W4/2	Amended	13-14-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242437	06/04-23-040-10W4/0	Suspension	03-19-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242360	00/06-19-051-13W4/0	Suspension	02/05-32-040-11W4/0			
AlphaBow Energy Ltd. A7H2	W0242301	02/05-32-040-11W4/2	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242301	00/09-33-052-14W4/0	Suspension	09-33-052-14W4	Wainwright	AlphaBow Energy Ltd.	99.27%
AlphaBow Energy Ltd. A7H2	W0242301	00/09-33-052-14W4/0	Suspension	09-33-052-14W4	Wainwright	COHN, BEATRICE	0.73%
AlphaBow Energy Ltd. A7H2	W0242159	06/02-32-040-11W4/0	Suspension	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242060	00/14-21-005-18W4/0	Issued	14-21-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0242008	00/13-16-029-16W4/0	Issued	13-16-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241986	00/04-13-007-21W4/0	Issued	04-13-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0241971	00/04-14-007-20W4/0	Amended	04-14-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241845	00/16-14-005-18W4/0	Issued	16-14-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241840	00/06-12-052-14W4/0	Suspension	06-12-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241804	00/04-19-030-15W4/0	Issued	01-24-030-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241736	00/01-13-052-14W4/0	Issued	01-13-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241680	00/07-08-007-20W4/0	Issued	07-08-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241639	00/02-03-030-11W4/0	Issued	06-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241525	00/16-12-053-15W4/0	Suspension	16-12-053-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241424	00/10-30-007-20W4/0	Issued	10-30-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241405	02/06-07-052-13W4/0	Issued	06-07-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241363	00/05-16-007-20W4/0	Issued	05-16-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241362	00/09-17-007-18W4/0	Issued	09-17-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241296	00/02-31-051-13W4/0 00/03-31-051-13W4/2	Amended	06-31-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241225	00/15-05-006-18W4/0	Issued	15-05-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0241225	00/15-05-006-18W4/0	Issued	15-05-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0241225	00/15-05-006-18W4/0	Issued	15-05-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0241225	00/15-05-006-18W4/0	Issued	15-05-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0241216	00/08-07-007-20W4/0	Issued	08-07-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241202	00/06-18-007-20W4/0	Issued	06-18-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241186	00/14-20-007-19W4/0	Issued	14-20-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241173	00/16-13-007-18W4/0	Issued	16-13-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241169	00/13-31-007-18W4/0	Suspension	13-31-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241166	00/16-21-007-18W4/0	Issued	16-21-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241164	00/04-27-007-20W4/0	Issued	04-27-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241054	00/16-20-051-12W4/0	Suspension	16-20-051-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0241033	00/08-33-034-11W4/0	Amended	08-33-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0239709	02/07-31-051-17W5/0	Issued	10-31-051-17W5	Drayton Valley	AlphaBow Energy Ltd.	21.00%
AlphaBow Energy Ltd. A7H2	W0239709	02/07-31-051-17W5/0	Issued	10-31-051-17W5	Drayton Valley	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0239709	02/07-31-051-17W5/0	Issued	10-31-051-17W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0239709	02/07-31-051-17W5/0	Issued	10-31-051-17W5	Drayton Valley	Whitecap Resources Inc.	9.00%
AlphaBow Energy Ltd. A7H2	W0239536	00/09-33-040-01W4/0	Issued	15-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0239306	00/15-06-041-11W4/0	Suspension	15-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0238962	00/16-29-052-14W4/0	Suspension	16-29-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0238909	00/09-07-050-14W4/0	Suspension	09-07-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0238909	00/09-07-050-14W4/0	Suspension	09-07-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0238909	00/09-07-050-14W4/0	Suspension	09-07-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0238909	00/09-07-050-14W4/0	Suspension	09-07-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0238693	00/06-34-052-14W4/0	Suspension	06-34-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0238306	00/07-21-051-13W4/0	Suspension	07-21-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0238198	00/16-21-029-16W4/0	Issued	01-28-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0238086	00/11-13-008-21W4/0	Issued	11-13-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0237832	00/03-15-008-21W4/0	Issued	03-15-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0237601	02/08-10-025-15W4/0	Suspension	08-10-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	37.50%
AlphaBow Energy Ltd. A7H2	W0237601	02/08-10-025-15W4/0	Suspension	08-10-025-15W4	Medicine Hat	Canadian Natural Resources Limited	62.50%
AlphaBow Energy Ltd. A7H2	W0237431	04/14-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0237430	03/14-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0237311	00/03-16-025-15W4/0	Suspension	03-16-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0237311	00/03-16-025-15W4/0	Suspension	03-16-025-15W4	Medicine Hat	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0237263	00/14-08-007-17W4/0	Issued	14-08-007-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236959	02/11-02-025-15W4/0	Suspension	11-02-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	34.62%
AlphaBow Energy Ltd. A7H2	W0236959	02/11-02-025-15W4/0	Suspension	11-02-025-15W4	Medicine Hat	Canadian Natural Resources	65.39%
AlphaBow Energy Ltd. A7H2	W0236783	03/03-33-040-07W4/0	Suspension	03-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236780	02/02-33-040-07W4/0	Suspension	02-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236604	00/14-30-030-15W4/0	Suspension	15-30-030-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236563	00/06-03-030-11W4/0	Suspension	06-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236519	03/06-23-040-10W4/0	Suspension	06-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236480	03/04-23-040-10W4/0	Issued	04-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236458	00/13-07-010-20W4/0	Issued	13-07-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236389	00/15-06-051-13W4/0	Suspension	15-06-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236388	00/08-28-052-14W4/0	Issued	08-28-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236280	00/01-27-025-15W4/0	Suspension	01-27-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0236280	00/01-27-025-15W4/0	Suspension	01-27-025-15W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0236258	04/07-21-040-07W4/0	Issued	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236066	00/07-16-007-18W4/0	Suspension	07-16-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0236030	00/07-18-005-18W4/0	Issued	07-18-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235994	00/11-12-008-21W4/0	Issued	11-12-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235960	00/04-04-053-14W4/0	Suspension	04-04-053-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235747	02/06-28-052-14W4/0	Amended	06-28-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235512	00/01-25-007-21W4/0	Issued	01-25-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235321	00/07-20-005-18W4/0	Issued	07-20-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235205	00/06-22-007-20W4/0	Issued	06-22-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0235081	00/12-15-031-15W4/0	Suspension	12-15-031-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0235050	00/01-34-007-21W4/0	Amended	01-34-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234979	00/09-36-009-19W4/0	Issued	09-36-009-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234969	00/07-21-009-19W4/0	Issued	07-21-009-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234643	00/11-19-007-18W4/0	Issued	11-19-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234612	00/01-13-005-19W4/0	Issued	01-13-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234546	00/12-33-043-26W4/0	Suspension	12-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0234546	00/12-33-043-26W4/0	Suspension	12-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0234499	00/08-34-030-13W4/0	Amended	08-34-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234333	00/15-20-025-15W4/0	Suspension	15-20-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0234333	00/15-20-025-15W4/0	Suspension	15-20-025-15W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0234277	00/11-36-009-20W4/0	Issued	11-36-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234267	00/11-17-009-20W4/0	Issued	11-17-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234265	00/05-01-007-21W4/0	Issued	05-01-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0234232	00/16-22-054-18W5/2	Suspension	16-22-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0234232	00/16-22-054-18W5/2	Suspension	16-22-054-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0234157	06/06-33-040-11W4/0	Suspension	07-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0234157	06/06-33-040-11W4/0	Suspension	07-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0234156	05/06-33-040-11W4/0	Suspension	07-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0234156	05/06-33-040-11W4/0	Suspension	07-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0233838	00/16-34-009-20W4/0	Issued	16-34-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0233800	00/12-16-009-19W4/0	Suspension	12-16-009-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0233768	00/07-15-066-22W5/3	Suspension	07-15-066-22W5	Grande Prairie	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0233768	00/07-15-066-22W5/3	Suspension	07-15-066-22W5	Grande Prairie	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0233767	00/10-11-066-22W5/2	Suspension	10-11-066-22W5	Grande Prairie	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0233767	00/10-11-066-22W5/2	Suspension	10-11-066-22W5	Grande Prairie	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0233655	00/15-11-030-13W4/0	Issued	15-11-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0233598	00/10-26-007-21W4/0	Issued	10-26-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0233598	00/10-26-007-21W4/0	Issued	10-26-007-21W4	Medicine Hat	LGX Oil + Gas Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0233581	00/02-05-044-26W4/0	Suspension	02-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0233581	00/02-05-044-26W4/0	Suspension	02-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0233295	00/10-05-044-26W4/0	Suspension	10-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0233295	00/10-05-044-26W4/0	Suspension	10-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0233266	00/11-02-007-20W4/0	Issued	11-02-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0233235	00/11-14-030-13W4/0	Suspension	11-14-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0233209	00/06-15-052-14W4/0	Suspension	06-15-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%



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AlphaBow Energy Ltd. A7H2	W0233054	00/13-12-030-16W4/0	Issued	13-12-030-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232849	00/10-04-009-19W4/0	Issued	10-04-009-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232761	00/10-32-052-14W4/0	Suspension	10-32-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232738	00/08-06-053-14W4/0	Amended	08-06-053-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232737	00/10-11-052-14W4/0	Suspension	10-11-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232714	00/11-05-007-20W4/0	Issued	11-05-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232689	00/10-28-005-19W4/0	Issued	10-28-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232426	00/08-07-006-19W4/0	Issued	08-07-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232424	00/05-04-007-20W4/0	Issued	05-04-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232357	00/14-08-033-11W4/0	Suspension	03-17-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232139	06/05-23-040-10W4/0	Suspension	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232138	05/05-23-040-10W4/0	Issued	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232137	04/05-23-040-10W4/0	Suspension	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232136	03/05-23-040-10W4/0	Suspension	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0232093	02/02-13-034-11W4/0	Issued	02-13-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231771	02/04-23-040-10W4/0	Suspension	04-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231705	02/02-27-034-10W4/3	Suspension	02-27-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231695	D0/03-33-040-07W4/0	Issued	03-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231694	04/09-32-040-07W4/0	Issued	09-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231549	00/16-24-025-16W4/0	Suspension	13-19-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	42.93%
AlphaBow Energy Ltd. A7H2	W0231549	00/16-24-025-16W4/0	Suspension	13-19-025-15W4	Medicine Hat	Canadian Natural Resources Limited	42.93%
AlphaBow Energy Ltd. A7H2	W0231549	00/16-24-025-16W4/0	Suspension	13-19-025-15W4	Medicine Hat	Cenovus Energy Inc.	14.14%
AlphaBow Energy Ltd. A7H2	W0231281	00/02-17-007-19W4/0	Issued	02-17-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231242	00/07-04-010-20W4/0	Issued	07-04-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0231097	00/06-26-009-21W4/0	Issued	06-26-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0230899	00/10-06-007-20W4/0	Issued	10-06-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0230555	00/16-35-009-20W4/0	Issued	16-35-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0230367	00/07-26-006-19W4/0	Issued	07-26-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	64.06%
AlphaBow Energy Ltd. A7H2	W0230367	00/07-26-006-19W4/0	Issued	07-26-006-19W4	Medicine Hat	Concrest Corporation Ltd.	2.33%
AlphaBow Energy Ltd. A7H2	W0230367	00/07-26-006-19W4/0	Issued	07-26-006-19W4	Medicine Hat	Federated Co-Operatives Limited	32.97%
AlphaBow Energy Ltd. A7H2	W0230367	00/07-26-006-19W4/0	Issued	07-26-006-19W4	Medicine Hat	Rofamco Investments Ltd.	0.64%
AlphaBow Energy Ltd. A7H2	W0229902	00/11-11-007-18W4/0	Issued	11-11-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229831	02/12-27-052-14W4/0	Suspension	12-27-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229369	00/11-07-006-18W4/0	Issued	11-07-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0229369	00/11-07-006-18W4/0	Issued	11-07-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0229369	00/11-07-006-18W4/0	Issued	11-07-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0229369	00/11-07-006-18W4/0	Issued	11-07-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0229290	D3/06-21-040-07W4/0	Issued	06-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229277	C3/06-21-040-07W4/0	Issued	06-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229206	00/14-34-052-14W4/0	Suspension	14-34-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229178	00/04-15-007-20W4/0	Issued	04-15-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229068	02/03-17-040-12W4/0	Suspension	03-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0229039	00/05-11-007-20W4/0	Issued	05-11-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228913	02/11-33-040-11W4/0	Issued	06-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228911	04/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0228911	04/06-33-040-11W4/0	Suspension	06-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0228883	00/01-25-033-12W4/0	Suspension	01-25-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228759	00/06-07-052-13W4/0	Issued	06-07-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228751	00/11-05-052-13W4/0	Suspension	11-05-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228733	00/12-27-052-14W4/0	Suspension	12-27-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228584	00/03-02-026-15W4/0	Suspension	03-02-026-15W4	Medicine Hat	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0228584	00/03-02-026-15W4/0	Suspension	03-02-026-15W4	Medicine Hat	Canadian Natural Resources Limited	15.00%
AlphaBow Energy Ltd. A7H2	W0228545	00/05-23-040-10W4/0	Suspension	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228509	00/01-04-026-16W4/0	Suspension	08-04-026-16W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0228509	00/01-04-026-16W4/0	Suspension	08-04-026-16W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0228508	00/16-27-009-21W4/0	Issued	16-27-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228487	00/11-03-010-20W4/0	Issued	11-03-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228133	00/05-36-009-21W4/0	Issued	05-36-009-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0228028	00/08-34-029-16W4/0	Issued	08-34-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227997	00/03-03-026-16W4/0	Suspension	06-03-026-16W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0227997	00/03-03-026-16W4/0	Suspension	06-03-026-16W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0227996	00/16-24-033-12W4/0	Amended	16-24-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227969	00/09-17-008-21W4/0	Issued	09-17-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227779	00/10-29-007-21W4/0	Issued	10-29-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227577	00/09-18-033-11W4/4 00/10-18-033-11W4/2 00/14-18-033-11W4/0 00/15-18-033-11W4/3	Suspension	14-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227343	00/01-31-005-18W4/0	Issued	01-31-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0227343	00/01-31-005-18W4/0	Issued	01-31-005-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0227343	00/01-31-005-18W4/0	Issued	01-31-005-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0227343	00/01-31-005-18W4/0	Issued	01-31-005-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0227308	00/04-21-007-20W4/0	Issued	04-21-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0227119	00/08-18-033-11W4/0	Suspension	08-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226984	03/09-32-040-07W4/0	Suspension	09-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226723	00/04-07-034-11W4/0	Suspension	04-07-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226423	B2/14-28-040-07W4/0	Suspension	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226418	D2/13-28-040-07W4/0	Suspension	13-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226409	00/15-21-056-19W5/2	Issued	15-21-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0226409	00/15-21-056-19W5/2	Issued	15-21-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0226045	00/02-10-008-21W4/0	Issued	02-10-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0226027	00/14-02-012-11W4/0	Suspension	14-02-012-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225939	A0/12-33-040-01W4/0	Suspension	12-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225695	00/12-31-007-21W4/0	Issued	12-31-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225685	02/08-07-026-14W4/0	Suspension	08-07-026-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225406	00/07-29-005-18W4/0	Issued	07-29-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225362	00/16-07-005-17W4/0	Issued	16-07-005-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225195	00/11-21-007-21W4/0	Issued	11-21-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0225194	00/04-29-007-20W4/0	Issued	04-29-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224723	D3/12-33-040-01W4/0 D3/12-33-040-01W4/2	Amended	05-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224433	00/13-01-034-12W4/2 03/05-12-034-12W4/0	Amended	12-12-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224343	02/07-09-007-19W4/0	Issued	07-09-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224306	00/04-09-050-14W4/0	Suspension	04-09-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224178	00/16-34-060-15W4/0	Suspension	16-34-060-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224174	00/11-22-005-18W4/0	Issued	11-22-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224122	00/09-30-009-20W4/0	Issued	09-30-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224052	00/01-36-007-21W4/0	Issued	01-36-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0224051	00/04-19-007-20W4/0	Issued	04-19-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0223558	00/09-31-034-11W4/0 00/10-31-034-11W4/2 00/12-32-034-11W4/3	Amended	06-31-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0223476	00/11-24-030-16W4/0	Issued	11-24-030-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0223321	00/12-30-033-11W4/0	Amended	01-36-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222926	02/15-15-007-21W4/0	Issued	15-15-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222812	00/11-32-031-11W4/0	Suspension	11-32-031-11W4	Medicine Hat	AlphaBow Energy Ltd.	37.50%
AlphaBow Energy Ltd. A7H2	W0222812	00/11-32-031-11W4/0	Suspension	11-32-031-11W4	Medicine Hat	Baytex Energy Ltd.	37.50%



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AlphaBow Energy Ltd. A7H2	W0222812	00/11-32-031-11W4/0	Suspension	11-32-031-11W4	Medicine Hat	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0222811	00/05-24-028-11W4/0	Amended	10-23-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0222811	00/05-24-028-11W4/0	Amended	10-23-028-11W4	Medicine Hat	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0222709	00/12-35-025-16W4/0	Suspension	13-35-025-16W4	Medicine Hat	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0222709	00/12-35-025-16W4/0	Suspension	13-35-025-16W4	Medicine Hat	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0222602	00/11-36-025-16W4/0	Suspension	11-36-025-16W4	Medicine Hat	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0222602	00/11-36-025-16W4/0	Suspension	11-36-025-16W4	Medicine Hat	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0222572	02/10-30-025-15W4/0	Suspension	10-30-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0222572	02/10-30-025-15W4/0	Suspension	10-30-025-15W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0222543	00/08-12-007-21W4/0	Issued	08-12-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222540	00/08-09-007-20W4/0	Issued	08-09-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222319	00/06-21-007-19W4/0	Issued	06-21-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222086	00/03-14-010-21W4/0	Amended	03-14-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222075	00/06-23-005-18W4/0	Issued	06-23-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222074	00/04-24-007-18W4/0	Issued	04-24-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0222072	00/07-02-008-19W4/0	Issued	07-02-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0221686	02/07-02-008-21W4/0	Issued	07-02-008-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0221126	00/10-13-005-18W4/0	Amended	10-13-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220960	00/15-01-008-22W4/0	Issued	15-01-008-22W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220917	00/04-32-007-18W4/0	Issued	04-32-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220864	00/11-28-007-18W4/0	Issued	11-28-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220743	00/14-01-034-12W4/0	Amended	08-01-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220424	02/07-32-008-19W4/0	Issued	07-32-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0220213	00/15-32-005-18W4/0	Issued	15-32-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0219654	00/10-29-007-19W4/0	Issued	10-29-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218832	02/13-09-007-17W4/0	Issued	13-09-007-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218468	00/11-36-007-19W4/0	Issued	11-36-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218448	00/09-24-010-20W4/0	Issued	09-24-010-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218401	00/16-22-007-18W4/0	Issued	16-22-007-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218281	00/01-11-010-21W4/0	Issued	01-11-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218054	02/16-11-005-19W4/0	Issued	16-11-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0218039	02/10-33-006-19W4/0	Issued	10-33-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0217800	00/16-26-005-19W4/0	Issued	16-26-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0217386	00/07-08-028-11W4/0	Issued	07-08-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0216992	00/06-21-055-14W4/0	Issued	06-21-055-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0215634	00/01-34-006-19W4/0	Suspension	01-34-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0215634	00/01-34-006-19W4/0	Suspension	01-34-006-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0215634	00/01-34-006-19W4/0	Suspension	01-34-006-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0215634	00/01-34-006-19W4/0	Suspension	01-34-006-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0215387	00/11-04-031-14W4/2 00/11-04-031-14W4/3 00/12-04-031-14W4/0	Amended	12-04-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	97.63%
AlphaBow Energy Ltd. A7H2	W0215387	00/11-04-031-14W4/2 00/11-04-031-14W4/3 00/12-04-031-14W4/0	Amended	12-04-031-14W4	Medicine Hat	Obsidian Energy Ltd.	2.38%
AlphaBow Energy Ltd. A7H2	W0214855	00/02-17-036-25W4/0	Amended	07-17-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0214734	00/07-11-041-12W4/0	Suspension	07-11-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0214725	00/03-03-030-11W4/0	Amended	03-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0214686	00/12-21-055-19W5/0	Issued	12-21-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0214686	00/12-21-055-19W5/0	Issued	12-21-055-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0214502	00/09-11-053-01W6/0	Suspension	13-12-053-01W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0214502	00/09-11-053-01W6/0	Suspension	13-12-053-01W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0213458	00/04-08-031-13W4/2	Issued	04-08-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0213458	00/04-08-031-13W4/2	Issued	04-08-031-13W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0213455	00/06-35-030-14W4/3	Issued	06-35-030-14W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0213455	00/06-35-030-14W4/3	Issued	06-35-030-14W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0212999	00/11-32-034-11W4/0	Amended	11-32-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0212929	00/07-36-033-12W4/0	Amended	07-36-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0212358	00/16-13-011-11W4/0	Issued	16-13-011-11W4	Medicine Hat	AlphaBow Energy Ltd.	94.01%
AlphaBow Energy Ltd. A7H2	W0212358	00/16-13-011-11W4/0	Issued	16-13-011-11W4	Medicine Hat	Canadian Natural Resources Limited	5.99%
AlphaBow Energy Ltd. A7H2	W0210925	00/06-28-060-14W4/0	Suspension	06-28-060-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0210252	A2/13-27-040-07W4/0	Suspension	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0210161	00/02-23-028-11W4/0	Amended	02-23-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0210161	00/02-23-028-11W4/0	Amended	02-23-028-11W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0209712	02/07-32-040-07W4/0	Suspension	08-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0209091	B0/09-32-040-07W4/0	Suspension	09-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0209009	02/06-03-041-01W4/0	Suspension	10-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0208999	02/11-03-041-01W4/0	Issued	10-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0208972	00/10-31-052-27W5/2 00/11-31-052-27W5/0 00/15-31-052-27W5/3	Suspension	11-31-052-27W5	Drayton Valley	AlphaBow Energy Ltd.	50.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0208972	00/10-31-052-27W5/2 00/11-31-052-27W5/0 00/15-31-052-27W5/3	Suspension	11-31-052-27W5	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0208700	02/10-14-031-14W4/0	Issued	10-14-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0208700	02/10-14-031-14W4/0	Issued	10-14-031-14W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0208696	02/06-11-031-14W4/0	Issued	06-11-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0208696	02/06-11-031-14W4/0	Issued	06-11-031-14W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0208692	02/06-03-031-14W4/0	Issued	06-03-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	93.75%
AlphaBow Energy Ltd. A7H2	W0208692	02/06-03-031-14W4/0	Issued	06-03-031-14W4	Medicine Hat	Whitecap Resources Inc.	6.25%
AlphaBow Energy Ltd. A7H2	W0208657	00/01-35-054-19W5/0	Issued	01-35-054-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0208657	00/01-35-054-19W5/0	Issued	01-35-054-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0208617	02/10-13-031-14W4/0	Issued	10-13-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0208617	02/10-13-031-14W4/0	Issued	10-13-031-14W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0208612	00/10-04-031-14W4/0	Issued	10-04-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	85.42%
AlphaBow Energy Ltd. A7H2	W0208612	00/10-04-031-14W4/0	Issued	10-04-031-14W4	Medicine Hat	Obsidian Energy Ltd.	2.38%
AlphaBow Energy Ltd. A7H2	W0208612	00/10-04-031-14W4/0	Issued	10-04-031-14W4	Medicine Hat	Whitecap Resources Inc.	12.20%
AlphaBow Energy Ltd. A7H2	W0207798	02/13-23-056-16W4/0	Suspension	13-23-056-16W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0207798	02/13-23-056-16W4/0	Suspension	13-23-056-16W4	Wainwright	Sequoia Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0207780	W0/12-02-059-17W4/0	Suspension	09-03-059-17W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0207549	D3/14-28-040-07W4/0	Suspension	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0207509	A2/01-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0207508	C2/15-28-040-07W4/2 D2/14-28-040-07W4/0	Suspension	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0207505	B0/14-28-040-07W4/0	Suspension	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0207002	00/06-12-040-12W4/0	Suspension	06-12-040-12W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0207002	00/06-12-040-12W4/0	Suspension	06-12-040-12W4	Wainwright	New North Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0206894	02/06-21-052-17W5/0	Issued	06-21-052-17W5	Drayton Valley	AlphaBow Energy Ltd.	42.00%
AlphaBow Energy Ltd. A7H2	W0206894	02/06-21-052-17W5/0	Issued	06-21-052-17W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	40.00%
AlphaBow Energy Ltd. A7H2	W0206894	02/06-21-052-17W5/0	Issued	06-21-052-17W5	Drayton Valley	Whitecap Resources Inc.	18.00%
AlphaBow Energy Ltd. A7H2	W0206704	C3/07-21-040-07W4/0	Suspension	01-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0206553	A0/04-21-040-07W4/0	Suspension	14-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0206550	D4/01-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0206239	00/09-36-036-25W4/0	Issued	09-36-036-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0206239	00/09-36-036-25W4/0	Issued	09-36-036-25W4	Red Deer	Sun Century Petroleum Corporation	50.00%
AlphaBow Energy Ltd. A7H2	W0206086	02/15-21-040-01W4/0	Suspension	11-21-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0205831	00/04-21-053-01W6/0 00/04-21-053-01W6/2 00/04-21-053-01W6/3	Suspension	16-17-053-01W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0205831	00/04-21-053-01W6/0 00/04-21-053-01W6/2 00/04-21-053-01W6/3	Suspension	16-17-053-01W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0205188	02/02-04-040-12W4/0	Suspension	07-04-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0205024	08/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0204995	06/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0204918	W0/05-26-040-01W4/0	Suspension	16-22-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0204779	00/08-09-028-11W4/0	Issued	08-09-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0204672	00/12-05-028-11W4/0	Issued	12-05-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0204672	00/12-05-028-11W4/0	Issued	12-05-028-11W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0203681	00/04-05-063-13W4/0	Issued	04-05-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0203118	00/02-12-065-14W4/0	Issued	02-12-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0202995	00/06-23-026-11W4/0 00/06-23-026-11W4/3	Amended	06-23-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0202769	04/12-32-040-11W4/0	Suspension	12-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0202763	07/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0202726	02/07-04-040-12W4/0	Suspension	07-04-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0202352	00/12-21-036-25W4/0	Amended	12-21-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0199822	B3/06-21-040-07W4/0	Issued	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0199820	B4/06-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0199330	B3/02-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0199122	C3/08-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0198271	00/10-21-053-01W6/0	Suspension	09-21-053-01W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0198271	00/10-21-053-01W6/0	Suspension	09-21-053-01W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0198243	C0/10-28-040-01W4/0	Amended	08-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0198069	00/09-21-064-14W4/0	Issued	09-21-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0197376	00/04-06-063-13W4/0	Suspension	04-06-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0197158	00/08-18-036-25W4/0	Issued	08-18-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0196095	02/13-03-041-01W4/0	Amended	11-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0196089	00/05-03-041-01W4/0	Amended	12-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0196083	00/06-03-041-01W4/0	Amended	12-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0196081	00/04-03-041-01W4/0	Suspension	11-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0196077	00/03-01-063-14W4/0	Suspension	03-01-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0195906	00/10-24-065-14W4/0	Suspension	10-24-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0194882	00/06-17-064-14W4/0	Issued	06-17-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0194382	00/10-29-010-21W4/0	Suspension	10-29-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0194127	00/10-24-042-26W4/0	Suspension	10-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0194090	00/06-01-065-14W4/0	Issued	06-01-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0193754	00/15-08-064-14W4/0	Suspension	15-08-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0193742	02/05-28-040-01W4/0	Amended	11-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0193555	00/16-25-063-14W4/0	Issued	16-25-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0193291	D0/13-16-040-07W4/0	Suspension	13-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0193117	00/15-03-064-14W4/0	Issued	15-03-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0192292	B0/12-28-040-01W4/0	Issued	12-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0192099	00/04-12-063-14W4/0	Issued	04-12-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0192041	00/04-28-040-01W4/0	Suspension	05-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0192039	00/06-34-005-19W4/0	Amended	14-34-005-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0192039	00/06-34-005-19W4/0	Amended	14-34-005-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0192039	00/06-34-005-19W4/0	Amended	14-34-005-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0192039	00/06-34-005-19W4/0	Amended	14-34-005-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0191596	B2/06-21-040-07W4/0	Suspension	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0191432	A2/05-21-040-07W4/0 A2/05-21-040-07W4/2	Issued	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0191200	B0/06-21-040-07W4/0	Suspension	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190758	04/07-22-040-10W4/0	Issued	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190757	C2/12-16-040-10W4/0	Suspension	12-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190755	D2/05-16-040-10W4/0	Suspension	05-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190419	00/05-04-036-23W4/0	Suspension	05-04-036-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190144	00/13-17-039-15W4/0	Suspension	13-17-039-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0190018	D0/06-28-040-01W4/0	Suspension	11-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189964	A2/08-28-040-01W4/0	Issued	09-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189768	D2/11-30-040-01W4/0	Issued	11-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189646	02/14-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189623	00/04-24-064-14W4/0	Suspension	01-23-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189603	D3/05-21-040-07W4/0	Suspension	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189438	00/11-22-065-13W4/0	Issued	11-22-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189240	C2/15-16-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0189075	D2/15-28-040-01W4/0	Suspension	15-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188910	00/15-01-039-08W4/0	Issued	15-01-039-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0188428	00/10-10-064-14W4/0	Suspension	10-10-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188420	D3/01-21-040-07W4/0	Suspension	05-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188414	B3/14-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188413	B3/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188410	D2/10-28-040-07W4/0	Suspension	10-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188408	B3/05-22-040-07W4/0	Issued	05-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188233	05/01-27-040-01W4/0					
AlphaBow Energy Ltd. A7H2	W0188233	05/01-27-040-01W4/2	Amended	08-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0188066	02/02-20-064-19W5/0	Issued	02-20-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0188066	02/02-20-064-19W5/0	Issued	02-20-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0187816	00/12-35-040-12W4/0	Suspension	12-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0187797	00/05-06-037-24W4/0	Issued	05-06-037-24W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0187615	C2/13-21-040-07W4/0	Suspension	14-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0187309	09/08-20-040-07W4/0	Suspension	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0187021	C2/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0187020	B2/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186878	00/12-03-041-01W4/0	Issued	12-03-041-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186537	00/09-33-065-13W4/0	Issued	09-33-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186365	05/05-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0186365	05/05-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0186363	04/05-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0186363	04/05-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0186307	00/03-09-061-14W4/0	Suspension	03-09-061-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186209	02/03-28-040-01W4/0	Issued	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186024	00/16-05-063-13W4/0	Issued	16-05-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0186023	04/04-36-040-01W4/0	Suspension	02-36-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0185634	00/07-19-009-20W4/0	Amended	10-19-009-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0185472	00/07-02-064-14W4/0	Issued	07-02-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0185471	00/10-20-064-14W4/0	Issued	10-20-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0185225	00/12-36-062-14W4/0	Suspension	12-36-062-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0185151	00/03-35-064-19W5/0	Issued	03-35-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0185151	00/03-35-064-19W5/0	Issued	03-35-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0185142	00/09-11-065-13W4/0	Issued	09-11-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0184807	00/01-01-037-25W4/0	Issued	01-01-037-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0184062	02/14-27-036-25W4/0	Issued	14-27-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0182811	00/02-22-040-07W4/0 00/02-22-040-07W4/2	Amended	03-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0182230	00/16-31-056-19W5/0	Issued	16-31-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0182230	00/16-31-056-19W5/0	Issued	16-31-056-19W5	Drayton Valley	Whitcap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0182042	A0/13-28-040-01W4/2 D0/11-28-040-01W4/0	Amended	10-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0182041	D3/01-28-040-01W4/0	Amended	09-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0182040	D2/01-28-040-01W4/0	Issued	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0182039	C0/02-28-040-01W4/0 C0/02-28-040-01W4/2	Amended	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181772	C0/13-15-040-07W4/0	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181771	B2/04-22-040-07W4/0 C0/04-22-040-07W4/2	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181769	C2/04-22-040-07W4/0	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181768	B2/05-22-040-07W4/0	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181754	00/12-19-064-13W4/0	Issued	12-19-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181486	D2/07-28-040-01W4/0	Suspension	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181439	B2/13-27-040-01W4/0	Issued	13-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181334	D0/16-27-040-01W4/0	Suspension	16-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181323	03/01-27-040-01W4/0	Suspension	01-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181322	04/01-27-040-01W4/0	Suspension	08-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181315	A0/09-28-040-07W4/0	Suspension	09-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0181314	W2/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180851	00/07-09-040-14W4/0	Suspension	07-09-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180848	00/06-35-036-25W4/0	Issued	06-35-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180538	D2/14-27-040-01W4/0	Issued	14-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180342	03/10-29-040-11W4/0	Suspension	10-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180306	B2/16-16-040-07W4/0	Suspension	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180305	D2/03-21-040-07W4/0	Suspension	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180288	00/02-05-040-14W4/0	Suspension	02-05-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180161	03/13-29-040-11W4/0	Suspension	13-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0180034	00/13-04-031-14W4/0	Suspension	13-04-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	97.63%
AlphaBow Energy Ltd. A7H2	W0180034	00/13-04-031-14W4/0	Suspension	13-04-031-14W4	Medicine Hat	Obsidian Energy Ltd.	2.38%
AlphaBow Energy Ltd. A7H2	W0179903	02/06-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0179903	02/06-33-040-11W4/0	Suspension	05-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0179901	02/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%



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AlphaBow Energy Ltd. A7H2	W0179901	02/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0179899	03/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0179899	03/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0179897	04/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0179897	04/04-33-040-11W4/0	Suspension	04-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0179681	00/07-06-065-15W4/0	Amended	07-06-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0179559	80/13-27-040-01W4/0	Issued	13-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0179363	00/16-10-041-08W4/0	Suspension	16-10-041-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0179272	A0/01-27-040-10W4/0	Issued	01-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178829	05/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178581	03/05-33-040-11W4/0 05/04-33-040-11W4/2	Suspension	05-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	W0178581	03/05-33-040-11W4/0 05/04-33-040-11W4/2	Suspension	05-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	W0178532	00/04-36-036-25W4/0	Amended	04-36-036-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0178532	00/04-36-036-25W4/0	Amended	04-36-036-25W4	Red Deer	Sun Century Petroleum Corporation	50.00%
AlphaBow Energy Ltd. A7H2	W0178295	02/13-15-040-07W4/0	Suspension	13-15-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178212	C3/16-16-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178200	05/03-20-040-12W4/0	Suspension	06-20-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178103	08/08-20-040-07W4/0 08/08-20-040-07W4/2	Suspension	10-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178102	D0/15-16-040-07W4/0	Suspension	03-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0178035	00/06-16-040-14W4/0	Suspension	06-16-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177876	06/09-20-040-07W4/0	Suspension	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177825	W0/05-21-040-07W4/0	Suspension	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177696	B2/08-28-040-01W4/0	Issued	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177414	00/12-35-036-25W4/0	Issued	12-35-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177303	B0/05-22-040-07W4/0	Suspension	04-22-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0177302	00/16-19-040-07W4/0	Suspension	16-19-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0176800	00/15-26-040-14W4/0	Suspension	15-26-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0176215	00/14-34-036-25W4/0	Suspension	14-34-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175515	00/03-32-010-21W4/0	Suspension	03-32-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175280	00/10-32-038-13W4/0	Suspension	10-32-038-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175227	02/02-33-040-01W4/0	Amended	01-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175224	04/02-33-040-01W4/0	Suspension	01-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175223	02/08-33-040-01W4/0	Suspension	01-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0175144	C3/12-21-040-07W4/0	Suspension	16-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175131	00/05-14-079-13W4/0	Suspension	05-14-079-13W4	Bonnyville	AlphaBow Energy Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0175131	00/05-14-079-13W4/0	Suspension	05-14-079-13W4	Bonnyville	Craft Oil Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0175131	00/05-14-079-13W4/0	Suspension	05-14-079-13W4	Bonnyville	Sequoia Resources Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0175131	00/05-14-079-13W4/0	Suspension	05-14-079-13W4	Bonnyville	UNIVERSAL GAS INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0175112	00/01-20-030-13W4/0	Issued	01-20-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0175110	00/05-18-043-15W4/0	Issued	08-13-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0174947	00/06-10-045-15W4/0	Suspension	06-10-045-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0174529	00/13-20-079-12W4/0	Suspension	13-20-079-12W4	Bonnyville	AlphaBow Energy Ltd.	69.00%
AlphaBow Energy Ltd. A7H2	W0174529	00/13-20-079-12W4/0	Suspension	13-20-079-12W4	Bonnyville	Canadian Natural Resources	8.00%
AlphaBow Energy Ltd. A7H2	W0174529	00/13-20-079-12W4/0	Suspension	13-20-079-12W4	Bonnyville	UNIVERSAL GAS INC.	23.00%
AlphaBow Energy Ltd. A7H2	W0174109	00/08-12-080-13W4/0	Suspension	08-12-080-13W4	Bonnyville	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0174109	00/08-12-080-13W4/0	Suspension	08-12-080-13W4	Bonnyville	Point Loma Resources Ltd.	20.00%
AlphaBow Energy Ltd. A7H2	W0174109	00/08-12-080-13W4/0	Suspension	08-12-080-13W4	Bonnyville	Sequoia Resources Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0174086	00/13-07-080-12W4/0	Suspension	13-07-080-12W4	Bonnyville	AlphaBow Energy Ltd.	87.19%
AlphaBow Energy Ltd. A7H2	W0174086	00/13-07-080-12W4/0	Suspension	13-07-080-12W4	Bonnyville	Barnwell of Canada, Limited	7.47%
AlphaBow Energy Ltd. A7H2	W0174086	00/13-07-080-12W4/0	Suspension	13-07-080-12W4	Bonnyville	Harvest Operations Corp.	5.34%
AlphaBow Energy Ltd. A7H2	W0173472	00/12-15-042-15W4/0	Suspension	12-15-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172991	C0/16-16-040-07W4/0	Suspension	16-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172983	C3/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172982	A2/15-28-040-07W4/0	Suspension	15-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172980	D0/09-28-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172593	00/11-33-039-13W4/0	Suspension	06-33-039-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172217	00/01-13-050-15W4/0	Suspension	01-13-050-15W4	Wainwright	AlphaBow Energy Ltd.	35.72%
AlphaBow Energy Ltd. A7H2	W0172217	00/01-13-050-15W4/0	Suspension	01-13-050-15W4	Wainwright	Chinook Ene Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0172217	00/01-13-050-15W4/0	Suspension	01-13-050-15W4	Wainwright	Enercapita Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0172217	00/01-13-050-15W4/0	Suspension	01-13-050-15W4	Wainwright	SEQUOIA RES.JVB	51.86%
AlphaBow Energy Ltd. A7H2	W0172217	00/01-13-050-15W4/0	Suspension	01-13-050-15W4	Wainwright	Signalta Resources Limited	7.37%
AlphaBow Energy Ltd. A7H2	W0172195	00/06-03-033-10W4/0	Suspension	06-03-033-10W4	Wainwright	226700 Realty Ltd.	0.05%
AlphaBow Energy Ltd. A7H2	W0172195	00/06-03-033-10W4/0	Suspension	06-03-033-10W4	Wainwright	AlphaBow Energy Ltd.	37.45%
AlphaBow Energy Ltd. A7H2	W0172195	00/06-03-033-10W4/0	Suspension	06-03-033-10W4	Wainwright	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0172195	00/06-03-033-10W4/0	Suspension	06-03-033-10W4	Wainwright	Tenaz Energy Corp.	50.00%

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AlphaBow Energy Ltd. A7H2	W0172094	00/05-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0172093	00/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171970	B2/01-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171968	A0/14-27-040-07W4/2 A0/14-27-040-07W4/3 B2/14-27-040-07W4/0	Suspension	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171869	B0/08-28-040-01W4/0	Suspension	07-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171806	00/03-02-037-25W4/0	Issued	03-02-037-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0171806	00/03-02-037-25W4/0	Issued	03-02-037-25W4	Red Deer	Sun Century Petroleum Corporation	50.00%
AlphaBow Energy Ltd. A7H2	W0171771	00/11-33-032-10W4/0	Suspension	11-33-032-10W4	Medicine Hat	AlphaBow Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0171771	00/11-33-032-10W4/0	Suspension	11-33-032-10W4	Medicine Hat	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0171771	00/11-33-032-10W4/0	Suspension	11-33-032-10W4	Medicine Hat	Tenaz Energy Corp.	62.50%
AlphaBow Energy Ltd. A7H2	W0171254	00/06-25-062-11W4/0	Suspension	06-25-062-11W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171210	D0/15-28-040-01W4/0	Suspension	15-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171168	D3/13-27-040-07W4/0	Suspension	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171166	A3/08-21-040-07W4/0	Issued	01-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0171165	A4/08-21-040-07W4/0	Suspension	08-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170783	05/16-19-036-07W4/0	Suspension	16-19-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170781	07/16-19-036-07W4/0	Suspension	16-19-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170780	08/16-19-036-07W4/0	Suspension	16-19-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170584	02/01-30-036-07W4/0	Issued	01-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170571	02/08-30-036-07W4/0	Suspension	07-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170496	00/08-19-036-07W4/0 00/08-19-036-07W4/2	Issued	08-19-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170346	A0/02-04-040-12W4/0	Suspension	07-04-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0170001	C0/15-16-040-07W4/0	Issued	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0169703	02/10-30-030-15W4/0	Suspension	10-30-030-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0169307	02/06-28-010-21W4/0	Suspension	06-28-010-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168665	00/11-12-050-14W4/0	Suspension	11-12-050-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168454	00/01-09-063-10W4/0	Issued	01-09-063-10W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168442	B2/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168359	B0/15-16-040-07W4/0	Issued	15-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168255	00/15-20-041-24W4/0	Suspension	15-20-041-24W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168198	05/08-20-040-07W4/0	Suspension	10-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168145	D2/11-21-040-07W4/0	Issued	14-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0168138	00/03-06-033-10W4/0	Suspension	07-06-033-10W4	Wainwright	AlphaBow Energy Ltd.	12.50%

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AlphaBow Energy Ltd. A7H2	W0168138	00/03-06-033-10W4/0	Suspension	07-06-033-10W4	Wainwright	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0168138	00/03-06-033-10W4/0	Suspension	07-06-033-10W4	Wainwright	Tenaz Energy Corp.	37.50%
AlphaBow Energy Ltd. A7H2	W0168056	B0/16-16-040-07W4/0	Suspension	14-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167996	00/11-11-039-15W4/0	Suspension	11-11-039-15W4	Wainwright	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0167957	00/11-13-026-11W4/0	Issued	11-13-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167950	04/08-20-040-07W4/0	Suspension	05-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167933	B0/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167932	B3/11-27-040-07W4/0	Issued	11-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167910	00/11-08-063-11W4/0	Suspension	11-08-063-11W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167904	B0/08-27-040-07W4/0	Suspension	08-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167785	A2/09-22-040-10W4/0	Suspension	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167552	00/06-04-062-11W4/0	Suspension	06-04-062-11W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167260	00/06-28-036-25W4/0	Issued	06-28-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167190	00/06-21-062-11W4/0	Suspension	06-21-062-11W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167076	00/05-20-062-11W4/0	Suspension	05-20-062-11W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0167046	00/16-34-036-25W4/0	Suspension	10-34-036-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166941	05/02-32-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166938	04/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166472	03/06-32-040-11W4/0	Suspension	06-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166458	05/14-29-040-11W4/0	Suspension	13-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166457	06/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0166456	06/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0165665	00/02-23-063-19W5/0	Issued	02-23-063-19W5	Edmonton	AlphaBow Energy Ltd.	52.17%
AlphaBow Energy Ltd. A7H2	W0165665	00/02-23-063-19W5/0	Issued	02-23-063-19W5	Edmonton	Indus Canada Petroleum Ltd	8.70%
AlphaBow Energy Ltd. A7H2	W0165665	00/02-23-063-19W5/0	Issued	02-23-063-19W5	Edmonton	Paramount Resources Ltd.	39.13%
AlphaBow Energy Ltd. A7H2	W0165055	00/08-01-034-12W4/0	Suspension	08-01-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0164452	07/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0164451	05/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0163861	00/07-29-079-12W4/0	Suspension	07-29-079-12W4	Bonnyville	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0163861	00/07-29-079-12W4/0	Suspension	07-29-079-12W4	Bonnyville	Point Loma Resources Ltd.	20.00%
AlphaBow Energy Ltd. A7H2	W0163861	00/07-29-079-12W4/0	Suspension	07-29-079-12W4	Bonnyville	Sequoia Resources Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0163716	00/02-30-054-18W5/0	Issued	02-30-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	56.00%
AlphaBow Energy Ltd. A7H2	W0163716	00/02-30-054-18W5/0	Issued	02-30-054-18W5	Drayton Valley	Spartan Delta Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0163716	00/02-30-054-18W5/0	Issued	02-30-054-18W5	Drayton Valley	Whitecap Resources Inc.	24.00%
AlphaBow Energy Ltd. A7H2	W0162704	00/03-35-032-11W4/0	Suspension	04-35-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	96.80%
AlphaBow Energy Ltd. A7H2	W0162704	00/03-35-032-11W4/0	Suspension	04-35-032-11W4	Medicine Hat	Clear Lake Resources Ltd.	3.20%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0162316	D0/05-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0162314	B0/11-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0162313	00/07-09-040-12W4/0 D0/03-09-040-12W4/2	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0162236	C0/14-09-040-12W4/0	Suspension	13-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0162052	C3/03-27-040-07W4/0	Issued	06-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161842	D4/14-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161839	D3/12-27-040-07W4/0	Suspension	11-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161822	B4/01-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161759	04/10-33-040-07W4/0	Issued	10-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161757	03/10-33-040-07W4/0	Suspension	10-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161732	05/02-30-036-07W4/0	Suspension	02-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0161111	06/15-22-040-10W4/0	Suspension	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0160860	00/13-19-038-08W4/0	Issued	13-19-038-08W4	Wainwright	AlphaBow Energy Ltd.	94.20%
AlphaBow Energy Ltd. A7H2	W0160860	00/13-19-038-08W4/0	Issued	13-19-038-08W4	Wainwright	Karve Energy Inc.	1.80%
AlphaBow Energy Ltd. A7H2	W0160860	00/13-19-038-08W4/0	Issued	13-19-038-08W4	Wainwright	West Lake Energy Corp.	4.00%
AlphaBow Energy Ltd. A7H2	W0160716	A0/04-09-040-12W4/2 C0/04-09-040-12W4/0	Amended	03-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0160380	00/05-04-031-09W4/0	Issued	05-04-031-09W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0160380	00/05-04-031-09W4/0	Issued	05-04-031-09W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	W0160063	C0/05-09-040-12W4/0	Issued	05-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159793	00/06-08-040-12W4/0	Suspension	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159792	02/06-08-040-12W4/0	Suspension	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159790	02/12-08-040-12W4/0	Suspension	05-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159730	03/16-08-040-12W4/0	Suspension	09-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159724	B0/03-30-036-07W4/0	Suspension	03-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159723	04/02-30-036-07W4/0	Suspension	02-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159693	00/08-32-035-23W4/0	Suspension	08-32-035-23W4	Red Deer	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0159693	00/08-32-035-23W4/0	Suspension	08-32-035-23W4	Red Deer	InPlay Oil Corp.	13.00%
AlphaBow Energy Ltd. A7H2	W0159693	00/08-32-035-23W4/0	Suspension	08-32-035-23W4	Red Deer	Signalta Resources Limited	12.00%
AlphaBow Energy Ltd. A7H2	W0159538	00/10-24-063-14W4/0	Issued	10-24-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159389	02/03-20-040-12W4/0	Suspension	06-20-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159296	03/14-32-040-11W4/0	Suspension	14-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0159152	04/13-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158890	02/14-32-040-11W4/0	Suspension	14-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158887	03/13-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%



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AlphaBow Energy Ltd. A7H2	W0158793	05/15-22-040-10W4/0	Suspension	14-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158654	00/14-24-040-13W4/0	Suspension	14-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158650	00/04-24-039-11W4/0	Suspension	04-24-039-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158591	02/08-24-040-13W4/0	Suspension	08-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158358	00/12-19-064-19W5/0	Issued	12-19-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0158358	00/12-19-064-19W5/0	Issued	12-19-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0158355	03/10-22-040-10W4/0	Suspension	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0158311	00/08-20-039-14W4/0	Suspension	07-20-039-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0157545	00/03-04-036-23W4/0	Suspension	03-04-036-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0157360	04/15-22-040-10W4/0	Issued	15-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156845	00/07-20-039-14W4/0	Suspension	07-20-039-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156747	03/09-20-040-07W4/0	Suspension	09-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156746	B0/02-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156742	A0/02-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156648	B0/01-21-040-07W4/0	Issued	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156624	02/10-21-040-07W4/0	Amended	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156623	A2/08-21-040-07W4/2 B2/08-21-040-07W4/0	Suspension	08-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156619	B3/07-21-040-07W4/0	Suspension	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156598	02/14-20-041-12W4/0	Suspension	14-20-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156569	C0/04-21-040-07W4/0	Suspension	04-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156559	02/12-32-040-11W4/0	Suspension	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156432	D0/05-21-040-07W4/0	Suspension	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156321	00/07-20-041-12W4/0	Suspension	07-20-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156267	04/10-32-040-11W4/0	Suspension	10-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156266	03/10-32-040-11W4/0	Suspension	10-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156100	06/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0156033	B2/11-30-040-01W4/0	Suspension	11-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155958	00/02-30-036-07W4/0	Issued	02-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155766	A0/11-21-040-07W4/0	Issued	06-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155544	00/12-08-040-12W4/0	Suspension	05-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155534	A3/12-30-040-01W4/0	Suspension	12-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155511	B3/12-30-040-01W4/0	Issued	12-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155483	02/16-08-040-12W4/0	Suspension	13-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155434	C0/06-21-040-07W4/0	Issued	06-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155413	00/02-18-041-24W4/0	Suspension	02-18-041-24W4	Red Deer	AlphaBow Energy Ltd.	43.50%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0155413	00/02-18-041-24W4/0	Suspension	02-18-041-24W4	Red Deer	Enhance Energy Inc.	25.00%
AlphaBow Energy Ltd. A7H2	W0155413	00/02-18-041-24W4/0	Suspension	02-18-041-24W4	Red Deer	Glencoe Resources	31.50%
AlphaBow Energy Ltd. A7H2	W0155236	B0/14-21-040-07W4/0	Issued	13-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155234	B2/11-21-040-07W4/0	Issued	11-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155233	D2/12-21-040-07W4/0	Suspension	13-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155080	00/05-27-065-13W4/0	Issued	05-27-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0155066	B0/06-09-040-12W4/0	Suspension	03-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154963	B0/11-28-040-01W4/0	Suspension	11-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154926	A0/11-28-040-01W4/0	Issued	11-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154924	A0/12-28-040-01W4/0	Issued	12-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154908	00/16-20-040-07W4/0	Suspension	13-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154886	D0/12-21-040-07W4/0	Suspension	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154853	05/03-32-040-11W4/0	Suspension	03-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154841	04/03-32-040-11W4/0	Suspension	03-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154840	04/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154789	B3/01-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154766	B0/08-21-040-07W4/0	Suspension	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154731	D3/16-28-040-07W4/0	Suspension	16-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154729	C2/14-28-040-07W4/0	Issued	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154728	D3/14-27-040-07W4/0	Suspension	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154724	A0/08-21-040-07W4/0	Suspension	08-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154720	C2/12-30-040-01W4/0	Suspension	12-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154719	B2/12-30-040-01W4/0	Issued	12-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0154616	00/02-03-040-12W4/0	Suspension	02-03-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153535	02/03-32-040-11W4/0	Suspension	03-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153452	00/07-04-036-23W4/0	Suspension	07-04-036-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153352	00/06-01-040-12W4/0	Suspension	06-01-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153332	03/07-32-040-11W4/0	Suspension	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153259	A0/13-09-040-12W4/0	Suspension	13-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153205	02/10-29-040-11W4/0	Suspension	11-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153069	C0/06-08-040-12W4/0	Suspension	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153068	C0/11-08-040-12W4/0	Suspension	11-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153066	C0/07-08-040-12W4/0	Suspension	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0153064	B0/07-08-040-12W4/0	Suspension	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0152731	02/14-06-041-11W4/0	Suspension	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0152147	C0/11-19-040-12W4/0	Suspension	07-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0152140	C0/08-19-040-12W4/0	Suspension	10-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0152136	00/06-04-040-15W4/0	Suspension	06-04-040-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0151814	02/16-04-042-22W4/0	Suspension	16-04-042-22W4	Red Deer	AlphaBow Energy Ltd.	56.25%
AlphaBow Energy Ltd. A7H2	W0151814	02/16-04-042-22W4/0	Suspension	16-04-042-22W4	Red Deer	Conserve Oil Group Inc.	3.13%
AlphaBow Energy Ltd. A7H2	W0151814	02/16-04-042-22W4/0	Suspension	16-04-042-22W4	Red Deer	Quattro Exploration and Production Ltd	21.88%
AlphaBow Energy Ltd. A7H2	W0151814	02/16-04-042-22W4/0	Suspension	16-04-042-22W4	Red Deer	Signalta Resources Limited	18.75%
AlphaBow Energy Ltd. A7H2	W0151567	04/14-29-040-11W4/0	Suspension	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0151512	00/01-16-040-12W4/0	Issued	01-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0151491	00/08-07-053-18W5/0	Issued	08-07-053-18W5	Drayton Valley	AlphaBow Energy Ltd.	35.00%
AlphaBow Energy Ltd. A7H2	W0151491	00/08-07-053-18W5/0	Issued	08-07-053-18W5	Drayton Valley	Canadian Petroleum Investments ULC	3.50%
AlphaBow Energy Ltd. A7H2	W0151491	00/08-07-053-18W5/0	Issued	08-07-053-18W5	Drayton Valley	Gain Energy Ltd.	44.14%
AlphaBow Energy Ltd. A7H2	W0151491	00/08-07-053-18W5/0	Issued	08-07-053-18W5	Drayton Valley	Hamilton Brothers Canadian Gas Comp	2.36%
AlphaBow Energy Ltd. A7H2	W0151491	00/08-07-053-18W5/0	Issued	08-07-053-18W5	Drayton Valley	Whitecap Resources Inc.	15.00%
AlphaBow Energy Ltd. A7H2	W0151444	A0/03-09-040-12W4/0 B0/03-09-040-12W4/2	Suspension	03-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0151443	B0/12-09-040-12W4/0	Suspension	12-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0151251	C0/09-29-040-11W4/0	Suspension	09-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150904	00/14-06-041-11W4/0 00/14-06-041-11W4/2	Amended	14-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150854	02/11-29-040-11W4/0	Suspension	11-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150833	00/12-16-040-14W4/0	Suspension	04-16-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150794	03/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150793	04/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150792	03/14-29-040-11W4/0	Suspension	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150791	00/12-32-040-11W4/0	Suspension	12-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150705	A0/02-32-040-11W4/0	Suspension	15-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150704	C2/15-29-040-11W4/0	Suspension	15-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150701	C0/06-33-040-01W4/0	Issued	14-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150700	B2/05-33-040-01W4/0	Amended	13-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150643	C0/13-29-040-11W4/0	Suspension	13-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150626	C0/14-29-040-11W4/0	Suspension	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150547	00/14-32-055-14W5/0	Issued	14-32-055-14W5	Drayton Valley	AlphaBow Energy Ltd.	82.71%
AlphaBow Energy Ltd. A7H2	W0150547	00/14-32-055-14W5/0	Issued	14-32-055-14W5	Drayton Valley	Barrel Oil Corp.	17.29%
AlphaBow Energy Ltd. A7H2	W0150398	00/10-04-064-14W4/0	Amended	10-04-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150383	A0/14-16-040-07W4/0	Suspension	14-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150250	B0/03-17-040-12W4/0	Suspension	03-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0150067	A0/12-09-040-12W4/0	Suspension	11-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0150065	A0/04-16-040-12W4/0	Suspension	04-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	AlphaBow Energy Ltd.	29.05%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	Arrow Point Oil & Gas Ltd.	13.50%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	Canadian Petroleum Investments ULC	3.15%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	Gain Energy Ltd.	39.72%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	Hamilton Brothers Canadian Gas Comp	2.13%
AlphaBow Energy Ltd. A7H2	W0149762	02/10-07-053-18W5/0	Issued	10-07-053-18W5	Drayton Valley	Whitecap Resources Inc.	12.45%
AlphaBow Energy Ltd. A7H2	W0149613	00/16-18-041-14W4/0	Issued	16-18-041-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149544	00/08-08-028-11W4/0	Suspension	08-08-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149521	C0/13-09-040-12W4/0	Issued	13-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0149521	C0/13-09-040-12W4/0	Issued	13-09-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0149515	C0/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0149515	C0/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0149514	A0/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0149514	A0/06-09-040-12W4/0	Suspension	06-09-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0149464	00/02-17-040-12W4/0	Issued	02-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149412	C0/01-27-040-10W4/0	Issued	01-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149384	02/13-09-040-12W4/0 02/13-09-040-12W4/2	Suspension	13-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0149384	02/13-09-040-12W4/0 02/13-09-040-12W4/2	Suspension	13-09-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0149371	A0/12-22-040-10W4/0	Issued	12-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149370	C0/11-22-040-10W4/0	Suspension	11-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149236	02/04-31-036-07W4/0	Suspension	04-31-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149227	A0/10-22-040-10W4/0	Suspension	10-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149226	C0/09-22-040-10W4/0	Issued	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149223	C0/13-22-040-10W4/0	Suspension	13-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149216	00/10-34-039-11W4/0	Suspension	10-34-039-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149175	A0/09-22-040-10W4/0	Suspension	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149134	A0/15-22-040-10W4/0	Suspension	16-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0149042	A0/01-17-040-12W4/0	Suspension	01-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0149042	A0/01-17-040-12W4/0	Suspension	01-17-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0148995	00/09-22-007-21W4/0	Issued	09-22-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148932	00/04-04-042-15W4/0	Suspension	04-04-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148911	A0/05-33-040-01W4/0	Amended	14-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0148887	00/03-17-040-12W4/0	Suspension	03-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148879	B3/15-28-040-07W4/0	Suspension	15-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148864	00/09-16-052-07W4/0	Suspension	10-16-052-07W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0148864	00/09-16-052-07W4/0	Suspension	10-16-052-07W4	Wainwright	Crescent Point General Partner Corp.	25.00%
AlphaBow Energy Ltd. A7H2	W0148791	B0/03-16-040-12W4/0	Suspension	04-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0148791	B0/03-16-040-12W4/0	Suspension	04-16-040-12W4	Wainwright	T&D ENERGY INC.	15.00%
AlphaBow Energy Ltd. A7H2	W0148780	D0/09-33-040-07W4/0					
AlphaBow Energy Ltd. A7H2	W0148780	D0/09-33-040-07W4/2	Amended	09-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148593	00/12-25-042-15W4/0	Suspension	12-25-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148583	C2/08-32-040-07W4/0	Suspension	08-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148577	B2/03-33-040-07W4/0	Suspension	03-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148537	D2/08-33-040-07W4/0	Issued	08-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0148120	00/08-17-040-12W4/0	Suspension	08-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0147996	B0/13-14-040-10W4/0	Suspension	13-14-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0147980	00/09-36-030-02W4/0	Issued	09-36-030-02W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0146333	00/04-11-031-13W4/0	Suspension	04-11-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0146333	00/04-11-031-13W4/0	Suspension	04-11-031-13W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	W0146283	B4/14-30-040-01W4/0	Suspension	14-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0145375	00/08-21-006-19W4/0	Issued	08-21-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0145156	D2/16-28-040-07W4/0	Issued	16-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0145153	D0/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0145148	00/14-30-036-07W4/0	Suspension	14-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0144308	00/06-34-032-11W4/0	Suspension	06-34-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0144214	00/05-30-042-15W4/0	Suspension	05-30-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0144109	00/01-14-041-15W4/0					
AlphaBow Energy Ltd. A7H2	W0144109	00/01-14-041-15W4/2	Amended	01-14-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141733	00/13-06-055-14W4/0	Suspension	13-06-055-14W4	Wainwright	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0141733	00/13-06-055-14W4/0	Suspension	13-06-055-14W4	Wainwright	Enercapita Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0141711	B2/07-21-040-07W4/0	Amended	06-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141634	A0/14-28-040-07W4/0	Issued	14-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141622	C0/07-21-040-07W4/0					
AlphaBow Energy Ltd. A7H2	W0141622	C0/07-21-040-07W4/2	Issued	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141598	B3/14-30-040-01W4/0	Suspension	14-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141536	02/14-29-040-11W4/0	Suspension	14-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141535	03/11-32-040-11W4/0	Suspension	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141534	03/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0141533	03/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141440	00/11-35-041-14W4/0	Suspension	11-35-041-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0141371	00/01-17-043-26W4/0	Suspension	01-17-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0140615	00/10-25-033-12W4/0	Suspension	10-25-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0140347	00/07-14-026-11W4/0	Suspension	07-14-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0140189	03/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0140188	02/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0138553	B0/08-32-040-07W4/0	Suspension	08-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0138280	D0/10-33-040-01W4/0	Issued	10-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0137613	00/03-25-036-07W4/0	Suspension	03-25-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0137163	00/12-09-062-12W4/0	Suspension	12-09-062-12W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0136678	02/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0136677	02/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0136676	02/09-32-040-11W4/0	Suspension	09-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0136675	02/07-32-040-11W4/0	Suspension	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0136673	02/16-29-040-11W4/0	Suspension	16-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0135460	00/02-25-036-07W4/0	Suspension	02-25-036-07W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0135460	00/02-25-036-07W4/0	Suspension	02-25-036-07W4	Wainwright	Paramount Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0134974	00/06-08-044-26W4/0	Issued	06-08-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0134974	00/06-08-044-26W4/0	Issued	06-08-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0134383	02/06-31-033-10W4/0	Suspension	06-31-033-10W4	Wainwright	AlphaBow Energy Ltd.	97.50%
AlphaBow Energy Ltd. A7H2	W0134383	02/06-31-033-10W4/0	Suspension	06-31-033-10W4	Wainwright	Cliffe Resource Management Ltd.	2.50%
AlphaBow Energy Ltd. A7H2	W0134119	00/06-27-032-11W4/0	Suspension	06-27-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0133348	00/01-19-055-14W4/0	Suspension	16-18-055-14W4	Wainwright	AlphaBow Energy Ltd.	63.90%
AlphaBow Energy Ltd. A7H2	W0133348	00/01-19-055-14W4/0	Suspension	16-18-055-14W4	Wainwright	Enercapita Energy Ltd.	36.10%
AlphaBow Energy Ltd. A7H2	W0133170	C0/08-33-040-07W4/0	Suspension	08-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0133131	A0/09-32-040-07W4/0	Suspension	09-32-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0133130	D0/14-27-040-07W4/0	Suspension	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0132288	A0/05-16-040-10W4/0 C2/03-16-040-10W4/2	Amended	05-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131829	02/11-32-040-11W4/0	Suspension	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131816	02/15-29-040-11W4/0	Suspension	15-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131815	02/13-29-040-11W4/0	Suspension	13-29-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131773	C0/12-16-040-10W4/0	Suspension	12-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131755	00/10-08-057-20W5/0	Suspension	10-08-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0131755	00/10-08-057-20W5/0	Suspension	10-08-057-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%

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AlphaBow Energy Ltd. A7H2	W0131746	00/03-21-040-06W4/0 00/03-21-040-06W4/2	Suspension	03-21-040-06W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0131578	00/04-15-040-07W4/0	Suspension	04-15-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129741	D0/06-30-040-01W4/0	Suspension	06-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129594	00/06-09-072-04W6/0	Suspension	06-09-072-04W6	Grande Prairie	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129578	B0/05-16-040-10W4/0	Issued	05-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129574	C0/05-16-040-10W4/0	Suspension	05-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129548	D0/05-16-040-10W4/0	Suspension	05-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129388	C0/06-27-040-07W4/0	Suspension	06-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129141	00/07-18-041-12W4/0	Suspension	07-18-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0129123	00/08-21-050-12W4/0	Suspension	08-21-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0128354	00/14-09-072-04W6/0	Suspension	14-09-072-04W6	Grande Prairie	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0127756	02/12-16-040-10W4/0	Suspension	12-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0127750	00/14-32-035-20W4/0	Suspension	14-32-035-20W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0127395	00/07-27-056-20W5/0	Suspension	07-27-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	46.67%
AlphaBow Energy Ltd. A7H2	W0127395	00/07-27-056-20W5/0	Suspension	07-27-056-20W5	Drayton Valley	Bonavista Energy Corporation	33.33%
AlphaBow Energy Ltd. A7H2	W0127395	00/07-27-056-20W5/0	Suspension	07-27-056-20W5	Drayton Valley	Whitecap Resources Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0127375	00/11-23-056-20W5/0	Suspension	11-23-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0127375	00/11-23-056-20W5/0	Suspension	11-23-056-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0127300	00/09-14-056-20W5/0	Suspension	09-14-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0127300	00/09-14-056-20W5/0	Suspension	09-14-056-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0127280	00/06-13-056-20W5/0	Suspension	06-13-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0127280	00/06-13-056-20W5/0	Suspension	06-13-056-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0126870	00/04-12-064-19W5/0	Suspension	04-12-064-19W5	Edmonton	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0126870	00/04-12-064-19W5/0	Suspension	04-12-064-19W5	Edmonton	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0126530	00/16-05-029-18W4/0	Issued	16-05-029-18W4	Calgary	AlphaBow Energy Ltd.	65.63%
AlphaBow Energy Ltd. A7H2	W0126463	00/02-10-042-13W4/0	Suspension	02-10-042-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0126318	00/06-34-040-25W4/0	Suspension	06-34-040-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0125750	D0/08-33-040-07W4/0	Suspension	08-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0125744	00/10-12-056-20W5/0	Suspension	10-12-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0125744	00/10-12-056-20W5/0	Suspension	10-12-056-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0125735	D0/02-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0125693	00/16-05-044-26W4/0	Issued	16-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0125693	00/16-05-044-26W4/0	Issued	16-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0125583	02/04-29-040-07W4/0	Issued	04-29-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0125518	00/06-33-043-26W4/0	Suspension	06-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%



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AlphaBow Energy Ltd. A7H2	W0125518	00/06-33-043-26W4/0	Suspension	06-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0125219	00/14-35-025-15W4/0	Suspension	14-35-025-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0124770	00/07-07-056-19W5/0	Suspension	07-07-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0124770	00/07-07-056-19W5/0	Suspension	07-07-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0124479	00/04-22-049-12W4/0	Suspension	04-22-049-12W4	Wainwright	AlphaBow Energy Ltd.	99.16%
AlphaBow Energy Ltd. A7H2	W0124479	00/04-22-049-12W4/0	Suspension	04-22-049-12W4	Wainwright	Edson-Nipisi Oil & Gas Company Limited	0.50%
AlphaBow Energy Ltd. A7H2	W0124479	00/04-22-049-12W4/0	Suspension	04-22-049-12W4	Wainwright	Hamilton Brothers Canadian Gas Company	0.34%
AlphaBow Energy Ltd. A7H2	W0124470	00/14-05-044-26W4/0	Issued	14-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0124470	00/14-05-044-26W4/0	Issued	14-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0124469	00/14-28-043-26W4/0	Issued	14-28-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0124469	00/14-28-043-26W4/0	Issued	14-28-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0124458	04/12-27-040-07W4/0	Suspension	12-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0124274	00/06-06-063-13W4/0	Suspension	06-06-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0124020	00/11-22-055-19W5/0	Issued	11-22-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0124020	00/11-22-055-19W5/0	Issued	11-22-055-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0123806	00/16-33-043-26W4/0	Issued	16-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0123806	00/16-33-043-26W4/0	Issued	16-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0123654	00/09-32-049-12W4/0	Suspension	09-32-049-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0123653	00/08-04-050-12W4/0	Issued	08-04-050-12W4	Wainwright	AlphaBow Energy Ltd.	85.00%
AlphaBow Energy Ltd. A7H2	W0123653	00/08-04-050-12W4/0	Issued	08-04-050-12W4	Wainwright	Signalta Resources Limited	15.00%
AlphaBow Energy Ltd. A7H2	W0123576	00/06-26-056-20W5/0	Suspension	06-26-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	46.67%
AlphaBow Energy Ltd. A7H2	W0123576	00/06-26-056-20W5/0	Suspension	06-26-056-20W5	Drayton Valley	Bonavista Energy Corporation	33.33%
AlphaBow Energy Ltd. A7H2	W0123576	00/06-26-056-20W5/0	Suspension	06-26-056-20W5	Drayton Valley	Whitecap Resources Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0123478	A0/03-21-040-07W4/0	Issued	03-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0123315	00/14-32-043-26W4/0	Issued	14-32-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0123315	00/14-32-043-26W4/0	Issued	14-32-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0123175	00/06-04-044-26W4/0	Issued	06-04-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0123175	00/06-04-044-26W4/0	Issued	06-04-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0122969	00/08-05-044-26W4/0	Issued	08-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0122969	00/08-05-044-26W4/0	Issued	08-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0122906	00/14-16-040-07W4/0	Suspension	14-16-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0122617	00/14-33-043-26W4/0	Issued	14-33-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0122617	00/14-33-043-26W4/0	Issued	14-33-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0122463	00/14-33-040-11W4/0	Suspension	14-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0122447	00/07-25-039-27W4/0	Suspension	07-25-039-27W4	Red Deer	AlphaBow Energy Ltd.	98.93%
AlphaBow Energy Ltd. A7H2	W0122447	00/07-25-039-27W4/0	Suspension	07-25-039-27W4	Red Deer	REPSOL PTNRSHIP	1.07%

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AlphaBow Energy Ltd. A7H2	W0121775	C0/14-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0121774	C0/07-27-040-07W4/0	Issued	07-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0121773	C0/02-27-040-07W4/0	Issued	02-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0121772	A0/12-21-040-07W4/0	Amended	12-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0121617	00/05-01-080-13W4/0	Suspension	05-01-080-13W4	Bonnyville	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0121617	00/05-01-080-13W4/0	Suspension	05-01-080-13W4	Bonnyville	Craft Oil Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0121617	00/05-01-080-13W4/0	Suspension	05-01-080-13W4	Bonnyville	Sequoia Resources Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0121351	00/08-29-040-10W4/0	Suspension	08-29-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0121055	00/08-06-044-26W4/0	Issued	08-06-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0121055	00/08-06-044-26W4/0	Issued	08-06-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0120912	00/06-34-043-26W4/0	Amended	06-34-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0120912	00/06-34-043-26W4/0	Amended	06-34-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0120226	00/06-27-040-10W4/0	Issued	06-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0120116	00/06-05-044-26W4/0	Suspension	06-05-044-26W4	Edmonton	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0120116	00/06-05-044-26W4/0	Suspension	06-05-044-26W4	Edmonton	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0119970	00/08-32-043-26W4/0	Issued	08-32-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0119970	00/08-32-043-26W4/0	Issued	08-32-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0119355	00/08-03-080-13W4/0	Suspension	08-03-080-13W4	Bonnyville	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0119355	00/08-03-080-13W4/0	Suspension	08-03-080-13W4	Bonnyville	Craft Oil Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0119355	00/08-03-080-13W4/0	Suspension	08-03-080-13W4	Bonnyville	Sequoia Resources Corp.	20.00%
AlphaBow Energy Ltd. A7H2	W0119210	00/14-26-006-19W4/0	Issued	14-26-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	64.06%
AlphaBow Energy Ltd. A7H2	W0119210	00/14-26-006-19W4/0	Issued	14-26-006-19W4	Medicine Hat	Concrest Corporation Ltd.	2.33%
AlphaBow Energy Ltd. A7H2	W0119210	00/14-26-006-19W4/0	Issued	14-26-006-19W4	Medicine Hat	Federated Co-Operatives Limited	32.97%
AlphaBow Energy Ltd. A7H2	W0119210	00/14-26-006-19W4/0	Issued	14-26-006-19W4	Medicine Hat	Rofamco Investments Ltd.	0.64%
AlphaBow Energy Ltd. A7H2	W0118445	02/10-32-034-11W4/0	Issued	10-32-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0118218	02/06-22-040-10W4/0	Suspension	06-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0118068	00/04-19-042-25W4/0	Issued	04-19-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0118068	00/04-19-042-25W4/0	Issued	04-19-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0118049	00/16-02-043-26W4/0	Issued	16-02-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0118049	00/16-02-043-26W4/0	Issued	16-02-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0117777	00/14-27-040-07W4/0	Issued	14-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0117702	00/16-24-039-26W4/0 00/16-24-039-26W4/2	Issued	16-24-039-26W4	Red Deer	AlphaBow Energy Ltd.	51.00%
AlphaBow Energy Ltd. A7H2	W0117702	00/16-24-039-26W4/0 00/16-24-039-26W4/2	Issued	16-24-039-26W4	Red Deer	Glencoe Resources Ltd.	49.00%
AlphaBow Energy Ltd. A7H2	W0117678	02/11-22-040-10W4/0	Issued	11-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%



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AlphaBow Energy Ltd. A7H2	W0117606	00/12-01-043-26W4/0	Suspension	12-01-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0117606	00/12-01-043-26W4/0	Suspension	12-01-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0117583	00/08-22-040-10W4/0	Issued	08-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0117347	00/02-18-042-25W4/0	Issued	02-18-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0117347	00/02-18-042-25W4/0	Issued	02-18-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0117131	00/09-24-041-25W4/0	Suspension	09-24-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0117131	00/09-24-041-25W4/0	Suspension	09-24-041-25W4	Red Deer	Glencoe Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0116920	C0/13-27-040-07W4/0	Issued	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0116499	00/12-05-042-25W4/0	Suspension	12-05-042-25W4	Red Deer	Advantage	27.71%
AlphaBow Energy Ltd. A7H2	W0116499	00/12-05-042-25W4/0	Suspension	12-05-042-25W4	Red Deer	AlphaBow Energy Ltd.	37.50%
AlphaBow Energy Ltd. A7H2	W0116499	00/12-05-042-25W4/0	Suspension	12-05-042-25W4	Red Deer	Dauntliss	4.17%
AlphaBow Energy Ltd. A7H2	W0116499	00/12-05-042-25W4/0	Suspension	12-05-042-25W4	Red Deer	Daylight Energy	30.63%
AlphaBow Energy Ltd. A7H2	W0116468	00/16-32-043-26W4/0	Issued	16-32-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	W0116468	00/16-32-043-26W4/0	Issued	16-32-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	W0116322	00/12-09-052-13W4/0	Suspension	12-09-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0116258	00/10-18-042-25W4/0	Issued	10-18-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0116258	00/10-18-042-25W4/0	Issued	10-18-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0116158	00/06-26-042-26W4/0	Issued	06-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0116158	00/06-26-042-26W4/0	Issued	06-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0116080	00/14-15-043-26W4/0	Suspension	14-15-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.80%
AlphaBow Energy Ltd. A7H2	W0116080	00/14-15-043-26W4/0	Suspension	14-15-043-26W4	Red Deer	Glencoe Resources Ltd.	48.20%
AlphaBow Energy Ltd. A7H2	W0115936	00/14-02-043-26W4/0	Issued	14-02-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0115936	00/14-02-043-26W4/0	Issued	14-02-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0115781	00/09-22-040-10W4/0	Suspension	09-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115584	00/11-02-054-17W4/0	Suspension	11-02-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115349	02/11-27-040-07W4/0	Suspension	11-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115330	02/15-28-040-07W4/0	Suspension	15-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115189	00/03-27-040-07W4/0	Suspension	03-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115188	00/13-27-040-07W4/0	Issued	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115168	02/02-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0115065	00/01-33-040-07W4/0	Suspension	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0114768	02/09-33-040-07W4/0	Amended	09-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0114716	00/10-16-052-14W4/0	Suspension	10-16-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0114288	00/12-25-042-26W4/0	Amended	12-25-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0114288	00/12-25-042-26W4/0	Amended	12-25-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0114286	00/10-07-042-25W4/0	Issued	10-07-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0114286	00/10-07-042-25W4/0	Issued	10-07-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0114092	00/06-17-072-04W6/0	Suspension	06-17-072-04W6	Grande Prairie	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0114092	00/06-17-072-04W6/0	Suspension	06-17-072-04W6	Grande Prairie	Birchcliff Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0113913	00/08-15-043-26W4/0	Issued	08-15-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.80%
AlphaBow Energy Ltd. A7H2	W0113913	00/08-15-043-26W4/0	Issued	08-15-043-26W4	Red Deer	Glencoe Resources Ltd.	48.20%
AlphaBow Energy Ltd. A7H2	W0113269	00/16-24-042-26W4/0	Amended	16-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0113269	00/16-24-042-26W4/0	Amended	16-24-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0113230	00/08-02-032-13W4/0	Issued	08-02-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0113222	00/14-11-043-26W4/0	Issued	14-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.80%
AlphaBow Energy Ltd. A7H2	W0113222	00/14-11-043-26W4/0	Issued	14-11-043-26W4	Red Deer	Glencoe Resources Ltd.	48.20%
AlphaBow Energy Ltd. A7H2	W0112993	00/10-28-040-07W4/0	Suspension	10-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0112992	00/06-27-040-07W4/0	Issued	06-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0112795	00/09-10-026-10W4/0	Issued	09-10-026-10W4	Medicine Hat	AlphaBow Energy Ltd.	86.00%
AlphaBow Energy Ltd. A7H2	W0112795	00/09-10-026-10W4/0	Issued	09-10-026-10W4	Medicine Hat	Conserve Oil Group Inc.	14.00%
AlphaBow Energy Ltd. A7H2	W0112268	00/16-10-043-26W4/0	Suspension	16-10-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.80%
AlphaBow Energy Ltd. A7H2	W0112268	00/16-10-043-26W4/0	Suspension	16-10-043-26W4	Red Deer	Glencoe Resources Ltd.	48.20%
AlphaBow Energy Ltd. A7H2	W0111163	00/14-27-056-20W5/0	Suspension	14-27-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	46.67%
AlphaBow Energy Ltd. A7H2	W0111163	00/14-27-056-20W5/0	Suspension	14-27-056-20W5	Drayton Valley	Bonavista Energy Corporation	33.33%
AlphaBow Energy Ltd. A7H2	W0111163	00/14-27-056-20W5/0	Suspension	14-27-056-20W5	Drayton Valley	Whitecap Resources Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0110926	00/01-18-052-13W4/0	Issued	01-18-052-13W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0110904	00/06-11-043-26W4/0	Suspension	06-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0110904	00/06-11-043-26W4/0	Suspension	06-11-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0109716	00/06-25-037-23W4/0	Issued	06-25-037-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0109502	02/12-33-040-11W4/0	Suspension	12-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0108917	00/16-23-042-26W4/0	Issued	16-23-042-26W4	Red Deer	AlphaBow Energy Ltd.	10.00%
AlphaBow Energy Ltd. A7H2	W0108165	00/08-02-043-26W4/0	Issued	08-02-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0108165	00/08-02-043-26W4/0	Issued	08-02-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0108164	00/08-34-042-26W4/0	Issued	08-34-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0108164	00/08-34-042-26W4/0	Issued	08-34-042-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0108122	00/06-25-042-26W4/0	Issued	06-25-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0108122	00/06-25-042-26W4/0	Issued	06-25-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0107905	00/08-26-042-26W4/0	Issued	08-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0107905	00/08-26-042-26W4/0	Issued	08-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0107872	00/02-29-056-19W5/0	Suspension	02-29-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	35.00%
AlphaBow Energy Ltd. A7H2	W0107872	00/02-29-056-19W5/0	Suspension	02-29-056-19W5	Drayton Valley	Bonavista Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0107872	00/02-29-056-19W5/0	Suspension	02-29-056-19W5	Drayton Valley	NAL Resources	15.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0107511	00/16-34-049-13W4/0	Suspension	16-34-049-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0107388	00/08-31-049-12W4/0	Suspension	08-31-049-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0107362	00/06-24-042-26W4/0	Issued	06-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0107362	00/06-24-042-26W4/0	Issued	06-24-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0107160	00/06-05-042-25W4/0	Issued	06-05-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0107160	00/06-05-042-25W4/0	Issued	06-05-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0107142	00/01-27-040-01W4/0	Suspension	01-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0106821	00/12-30-040-01W4/0	Suspension	12-30-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0106631	00/11-19-063-13W4/0	Issued	11-19-063-13W4	Bonnyville	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0106631	00/11-19-063-13W4/0	Issued	11-19-063-13W4	Bonnyville	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0106170	00/14-21-038-23W4/0	Suspension	14-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0106088	00/14-26-042-26W4/0	Issued	14-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0106088	00/14-26-042-26W4/0	Issued	14-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0105870	00/14-07-042-25W4/0	Issued	14-07-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0105870	00/14-07-042-25W4/0	Issued	14-07-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0105801	00/16-34-042-26W4/0	Suspension	16-34-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0105801	00/16-34-042-26W4/0	Suspension	16-34-042-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0105800	00/16-26-042-26W4/0	Issued	16-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0105800	00/16-26-042-26W4/0	Issued	16-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0105578	00/16-27-040-01W4/0	Issued	16-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0105572	00/03-36-055-15W4/0	Suspension	03-36-055-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0105532	00/06-33-041-25W4/0	Suspension	06-33-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0105532	00/06-33-041-25W4/0	Suspension	06-33-041-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0105371	00/16-20-041-24W4/0	Suspension	16-20-041-24W4	Red Deer	AlphaBow Energy Ltd.	27.50%
AlphaBow Energy Ltd. A7H2	W0105280	00/11-07-055-14W4/0	Suspension	11-07-055-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0104439	00/14-13-042-26W4/0	Amended	14-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0104439	00/14-13-042-26W4/0	Amended	14-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0104405	00/11-24-039-27W4/0	Suspension	11-24-039-27W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0104351	00/06-19-042-25W4/0	Issued	06-19-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0104351	00/06-19-042-25W4/0	Issued	06-19-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0104346	00/06-09-041-25W4/0	Suspension	06-09-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.59%
AlphaBow Energy Ltd. A7H2	W0104346	00/06-09-041-25W4/0	Suspension	06-09-041-25W4	Red Deer	Canadian Natural Resources Limited	6.25%
AlphaBow Energy Ltd. A7H2	W0104346	00/06-09-041-25W4/0	Suspension	06-09-041-25W4	Red Deer	Glencoe Resources Ltd.	42.14%
AlphaBow Energy Ltd. A7H2	W0104346	00/06-09-041-25W4/0	Suspension	06-09-041-25W4	Red Deer	NATIONAL ASSET LIQUIDATION CO. LTD	1.02%
AlphaBow Energy Ltd. A7H2	W0104195	00/08-22-043-26W4/0	Suspension	08-22-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.80%
AlphaBow Energy Ltd. A7H2	W0104195	00/08-22-043-26W4/0	Suspension	08-22-043-26W4	Red Deer	Glencoe Resources Ltd.	48.20%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0104171	00/08-07-042-25W4/0	Issued	08-07-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0104171	00/08-07-042-25W4/0	Issued	08-07-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0104066	00/14-24-042-26W4/0	Issued	14-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0104066	00/14-24-042-26W4/0	Issued	14-24-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0104059	00/16-32-041-25W4/0	Suspension	16-32-041-25W4	Red Deer	AlphaBow Energy Ltd.	33.87%
AlphaBow Energy Ltd. A7H2	W0104059	00/16-32-041-25W4/0	Suspension	16-32-041-25W4	Red Deer	Gain Energy Ltd.	18.24%
AlphaBow Energy Ltd. A7H2	W0104059	00/16-32-041-25W4/0	Suspension	16-32-041-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0103906	00/13-33-040-11W4/0	Suspension	13-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0103427	00/14-32-041-25W4/0	Suspension	14-32-041-25W4	Red Deer	AlphaBow Energy Ltd.	33.87%
AlphaBow Energy Ltd. A7H2	W0103427	00/14-32-041-25W4/0	Suspension	14-32-041-25W4	Red Deer	Gain Energy Ltd.	18.24%
AlphaBow Energy Ltd. A7H2	W0103427	00/14-32-041-25W4/0	Suspension	14-32-041-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0103296	00/06-08-041-25W4/0	Suspension	06-08-041-25W4	Red Deer	AlphaBow Energy Ltd.	43.89%
AlphaBow Energy Ltd. A7H2	W0103296	00/06-08-041-25W4/0	Suspension	06-08-041-25W4	Red Deer	Glencoe Resources Ltd.	35.91%
AlphaBow Energy Ltd. A7H2	W0103296	00/06-08-041-25W4/0	Suspension	06-08-041-25W4	Red Deer	Jameen Resources Ltd.	15.20%
AlphaBow Energy Ltd. A7H2	W0103296	00/06-08-041-25W4/0	Suspension	06-08-041-25W4	Red Deer	Mutiny Oil & Gas Ltd.	5.00%
AlphaBow Energy Ltd. A7H2	W0103229	00/06-07-032-12W4/0	Issued	06-07-032-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0102845	00/16-36-031-13W4/0	Suspension	16-36-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0102654	00/08-11-043-26W4/0	Issued	08-11-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0102654	00/08-11-043-26W4/0	Issued	08-11-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0102126	00/06-01-043-26W4/0	Suspension	06-01-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	W0102126	00/06-01-043-26W4/0	Suspension	06-01-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	W0102125	00/16-13-042-26W4/0	Issued	16-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0102125	00/16-13-042-26W4/0	Issued	16-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0102082	00/07-25-052-14W4/0	Suspension	07-25-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0102020	00/08-13-042-26W4/0	Suspension	08-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0102020	00/08-13-042-26W4/0	Suspension	08-13-042-26W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0101853	00/14-19-041-24W4/0	Suspension	14-19-041-24W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0101853	00/14-19-041-24W4/0	Suspension	14-19-041-24W4	Red Deer	Glencoe Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0101369	00/13-18-052-13W4/0	Suspension	13-18-052-13W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0101369	00/13-18-052-13W4/0	Suspension	13-18-052-13W4	Wainwright	Canadian Natural Resources	25.00%
AlphaBow Energy Ltd. A7H2	W0101369	00/13-18-052-13W4/0	Suspension	13-18-052-13W4	Wainwright	Enercapita Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0100982	00/14-02-050-13W4/0	Suspension	14-02-050-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0100964	00/08-24-052-14W4/0	Suspension	08-24-052-14W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0100964	00/08-24-052-14W4/0	Suspension	08-24-052-14W4	Wainwright	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	W0100964	00/08-24-052-14W4/0	Suspension	08-24-052-14W4	Wainwright	Paramount Resources Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0100670	00/04-36-040-01W4/0	Issued	04-36-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0100515	00/06-30-041-24W4/0	Suspension	06-30-041-24W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0098708	02/14-07-029-18W4/0	Suspension	14-07-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0098708	02/14-07-029-18W4/0	Suspension	14-07-029-18W4	Calgary	Daroil Energy Limited	3.13%
AlphaBow Energy Ltd. A7H2	W0098131	02/16-24-041-25W4/0	Issued	16-24-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0098087	00/08-06-041-25W4/0	Suspension	08-06-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.72%
AlphaBow Energy Ltd. A7H2	W0098087	00/08-06-041-25W4/0	Suspension	08-06-041-25W4	Red Deer	Glencoe Resources Ltd.	46.28%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	48.10%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	Bonavista Energy Corporation	14.43%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	CDN Res North AB	2.18%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	Fairholme Resources Ltd.	2.78%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	Longrun Explor	10.33%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	Questfire Energy Corp.	1.55%
AlphaBow Energy Ltd. A7H2	W0097328	00/06-21-056-19W5/0	Suspension	06-21-056-19W5	Drayton Valley	Whitcap Resources Inc.	20.62%
AlphaBow Energy Ltd. A7H2	W0097174	00/14-19-036-21W4/0	Issued	14-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0096945	00/14-09-043-16W4/0	Suspension	14-09-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0096861	00/10-13-034-12W4/0	Issued	10-13-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0096769	00/01-10-032-13W4/0	Issued	01-10-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0096232	00/06-21-038-23W4/0	Issued	06-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0095608	00/08-24-042-26W4/0	Issued	08-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	W0095608	00/08-24-042-26W4/0	Issued	08-24-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	W0094473	00/06-06-080-12W4/0	Suspension	06-06-080-12W4	Bonnyville	AlphaBow Energy Ltd.	87.19%
AlphaBow Energy Ltd. A7H2	W0094473	00/06-06-080-12W4/0	Suspension	06-06-080-12W4	Bonnyville	Barnwell of Canada, Limited	7.47%
AlphaBow Energy Ltd. A7H2	W0094473	00/06-06-080-12W4/0	Suspension	06-06-080-12W4	Bonnyville	Harvest Operations Corp.	5.34%
AlphaBow Energy Ltd. A7H2	W0093879	00/07-35-010-11W4/0	Suspension	07-35-010-11W4	Medicine Hat	AlphaBow Energy Ltd.	58.33%
AlphaBow Energy Ltd. A7H2	W0093879	00/07-35-010-11W4/0	Suspension	07-35-010-11W4	Medicine Hat	SanLing Energy Ltd.	5.95%
AlphaBow Energy Ltd. A7H2	W0093879	00/07-35-010-11W4/0	Suspension	07-35-010-11W4	Medicine Hat	Signalta Resources Limited	35.71%
AlphaBow Energy Ltd. A7H2	W0093664	00/07-31-037-22W4/0	Issued	07-31-037-22W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0092700	00/07-05-031-09W4/0	Issued	07-05-031-09W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0092700	00/07-05-031-09W4/0	Issued	07-05-031-09W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	W0092640	00/15-11-058-05W6/0	Suspension	15-11-058-05W6	Drayton Valley	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0092640	00/15-11-058-05W6/0	Suspension	15-11-058-05W6	Drayton Valley	Canadian Natural Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0092640	00/15-11-058-05W6/0	Suspension	15-11-058-05W6	Drayton Valley	Long Run Exploration Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	53.49%
AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	Bonavista Corp.	10.44%
AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	CNRL	2.81%
AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	Longrunexplor	8.33%



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AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	NAL Resources	22.93%
AlphaBow Energy Ltd. A7H2	W0092507	00/04-15-056-19W5/0	Suspension	04-15-056-19W5	Drayton Valley	Questfire	2.00%
AlphaBow Energy Ltd. A7H2	W0091967	00/14-05-041-25W4/0	Suspension	14-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0091967	00/14-05-041-25W4/0	Suspension	14-05-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0091947	00/08-14-030-13W4/0	Issued	08-14-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0091869	00/01-11-057-20W5/0 00/01-11-057-20W5/3	Issued	01-11-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	58.33%
AlphaBow Energy Ltd. A7H2	W0091869	00/01-11-057-20W5/0 00/01-11-057-20W5/3	Issued	01-11-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	16.67%
AlphaBow Energy Ltd. A7H2	W0091869	00/01-11-057-20W5/0 00/01-11-057-20W5/3	Issued	01-11-057-20W5	Drayton Valley	Tallahassee Exploration Inc.	25.00%
AlphaBow Energy Ltd. A7H2	W0091627	00/01-12-031-14W4/0	Issued	01-12-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	40.00%
AlphaBow Energy Ltd. A7H2	W0091627	00/01-12-031-14W4/0	Issued	01-12-031-14W4	Medicine Hat	Canadian Natural Resources Limited	60.00%
AlphaBow Energy Ltd. A7H2	W0091601	00/08-36-029-13W4/0	Issued	08-36-029-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0091470	00/08-10-030-13W4/0	Issued	08-10-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0091007	00/15-32-054-18W5/0	Issued	15-32-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	61.25%
AlphaBow Energy Ltd. A7H2	W0090337	00/04-22-030-12W4/0	Issued	04-22-030-12W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0090269	00/01-19-055-18W5/0	Suspension	01-19-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0090268	00/12-30-055-18W5/0	Issued	12-30-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	65.10%
AlphaBow Energy Ltd. A7H2	W0090268	00/12-30-055-18W5/0	Issued	12-30-055-18W5	Drayton Valley	Long Run Exploration Ltd.	2.00%
AlphaBow Energy Ltd. A7H2	W0090268	00/12-30-055-18W5/0	Issued	12-30-055-18W5	Drayton Valley	Sinopec Daylight Energy Ltd.	5.00%
AlphaBow Energy Ltd. A7H2	W0090268	00/12-30-055-18W5/0	Issued	12-30-055-18W5	Drayton Valley	Whitecap Resources Inc.	27.90%
AlphaBow Energy Ltd. A7H2	W0090267	00/12-19-055-18W5/0	Issued	12-19-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0090267	00/12-19-055-18W5/0	Issued	12-19-055-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0089785	00/06-04-007-19W4/0	Suspension	06-04-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0089639	00/01-02-057-20W5/0	Issued	01-02-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0089418	00/04-32-033-18W4/0	Suspension	04-32-033-18W4	Red Deer	AlphaBow Energy Ltd.	77.73%
AlphaBow Energy Ltd. A7H2	W0089418	00/04-32-033-18W4/0	Suspension	04-32-033-18W4	Red Deer	Trident Exploration (Alberta) Corp.	22.27%
AlphaBow Energy Ltd. A7H2	W0088273	00/10-25-007-20W4/0	Issued	10-25-007-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0088026	00/04-30-055-18W5/0	Suspension	04-30-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	66.42%
AlphaBow Energy Ltd. A7H2	W0088026	00/04-30-055-18W5/0	Suspension	04-30-055-18W5	Drayton Valley	Sinopec Daylight Energy Ltd.	5.11%
AlphaBow Energy Ltd. A7H2	W0088026	00/04-30-055-18W5/0	Suspension	04-30-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	28.47%
AlphaBow Energy Ltd. A7H2	W0087825	00/10-15-030-14W4/0	Suspension	10-15-030-14W4	Medicine Hat	AlphaBow Energy Ltd.	57.14%
AlphaBow Energy Ltd. A7H2	W0087825	00/10-15-030-14W4/0	Suspension	10-15-030-14W4	Medicine Hat	Canadian Natural Resources Limited	42.86%
AlphaBow Energy Ltd. A7H2	W0087732	00/10-31-054-18W5/0	Issued	10-31-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0087732	00/10-31-054-18W5/0	Issued	10-31-054-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	25.00%

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AlphaBow Energy Ltd. A7H2	W0087732	00/10-31-054-18W5/0	Issued	10-31-054-18W5	Drayton Valley	Whitecap Resources Inc.	22.50%
AlphaBow Energy Ltd. A7H2	W0087554	00/15-28-054-18W5/0	Issued	15-28-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0087554	00/15-28-054-18W5/0	Issued	15-28-054-18W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0087413	00/09-21-038-23W4/0	Issued	09-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0087382	00/07-31-032-11W4/0	Suspension	07-31-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	68.75%
AlphaBow Energy Ltd. A7H2	W0087382	00/07-31-032-11W4/0	Suspension	07-31-032-11W4	Medicine Hat	Coastal Energy	31.25%
AlphaBow Energy Ltd. A7H2	W0087337	00/06-28-032-11W4/0	Suspension	06-28-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0087063	00/08-22-034-12W4/0	Issued	08-22-034-12W4	Wainwright	AlphaBow Energy Ltd.	46.50%
AlphaBow Energy Ltd. A7H2	W0087063	00/08-22-034-12W4/0	Issued	08-22-034-12W4	Wainwright	Canadian Natural Resources Limited	53.50%
AlphaBow Energy Ltd. A7H2	W0086638	00/04-29-008-20W4/0	Issued	04-29-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0086388	00/14-16-038-23W4/0	Issued	14-16-038-23W4	Red Deer	AlphaBow Energy Ltd.	91.00%
AlphaBow Energy Ltd. A7H2	W0086388	00/14-16-038-23W4/0	Issued	14-16-038-23W4	Red Deer	Surge Energy Inc.	9.00%
AlphaBow Energy Ltd. A7H2	W0086316	00/01-01-057-20W5/0	Issued	01-01-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0086270	00/06-22-033-11W4/0	Suspension	06-22-033-11W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0086270	00/06-22-033-11W4/0	Suspension	06-22-033-11W4	Wainwright	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0086061	00/13-23-056-16W4/0	Suspension	13-23-056-16W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0086061	00/13-23-056-16W4/0	Suspension	13-23-056-16W4	Wainwright	Sequoia Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	W0086018	00/06-29-032-11W4/0	Suspension	06-29-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0086018	00/06-29-032-11W4/0	Suspension	06-29-032-11W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0085768	00/04-18-044-26W4/0	Issued	04-18-044-26W4	Edmonton	AlphaBow Energy Ltd.	10.00%
AlphaBow Energy Ltd. A7H2	W0085768	00/04-18-044-26W4/0	Issued	04-18-044-26W4	Edmonton	Glencoe Resources Ltd.	90.00%
AlphaBow Energy Ltd. A7H2	W0085699	00/11-31-056-19W5/0	Issued	11-31-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	57.50%
AlphaBow Energy Ltd. A7H2	W0085699	00/11-31-056-19W5/0	Issued	11-31-056-19W5	Drayton Valley	KinMerc Oil & Gas Inc.	17.86%
AlphaBow Energy Ltd. A7H2	W0085699	00/11-31-056-19W5/0	Issued	11-31-056-19W5	Drayton Valley	Tallahassee Exploration Inc.	24.64%
AlphaBow Energy Ltd. A7H2	W0085493	00/13-32-040-11W4/0	Suspension	13-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0085475	02/03-27-040-10W4/0	Suspension	03-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0085181	00/07-23-056-20W5/0	Suspension	07-23-056-20W5	Drayton Valley	AlphaBow Energy Ltd.	46.67%
AlphaBow Energy Ltd. A7H2	W0085181	00/07-23-056-20W5/0	Suspension	07-23-056-20W5	Drayton Valley	Bonavista Energy Corporation	33.33%
AlphaBow Energy Ltd. A7H2	W0085181	00/07-23-056-20W5/0	Suspension	07-23-056-20W5	Drayton Valley	Tallahassee Exploration Inc.	20.00%
AlphaBow Energy Ltd. A7H2	W0084225	00/02-17-055-18W5/0	Issued	02-17-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	48.85%
AlphaBow Energy Ltd. A7H2	W0084225	00/02-17-055-18W5/0	Issued	02-17-055-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	30.21%
AlphaBow Energy Ltd. A7H2	W0084225	00/02-17-055-18W5/0	Issued	02-17-055-18W5	Drayton Valley	Whitecap Resources Inc.	20.94%
AlphaBow Energy Ltd. A7H2	W0084175	00/11-32-040-11W4/0	Suspension	11-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0083558	00/05-33-054-18W5/0	Issued	05-33-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0083558	00/05-33-054-18W5/0	Issued	05-33-054-18W5	Drayton Valley	Tallahassee Exploration Inc.	23.75%



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AlphaBow Energy Ltd. A7H2	W0083552	00/11-01-055-18W5/0	Suspension	11-01-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	43.03%
AlphaBow Energy Ltd. A7H2	W0083552	00/11-01-055-18W5/0	Suspension	11-01-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	18.44%
AlphaBow Energy Ltd. A7H2	W0083402	00/13-34-032-10W4/0	Suspension	13-34-032-10W4	Medicine Hat	226700 Realty Ltd.	0.04%
AlphaBow Energy Ltd. A7H2	W0083402	00/13-34-032-10W4/0	Suspension	13-34-032-10W4	Medicine Hat	AlphaBow Energy Ltd.	37.46%
AlphaBow Energy Ltd. A7H2	W0083402	00/13-34-032-10W4/0	Suspension	13-34-032-10W4	Medicine Hat	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0083402	00/13-34-032-10W4/0	Suspension	13-34-032-10W4	Medicine Hat	Surge General Partnership	50.00%
AlphaBow Energy Ltd. A7H2	W0083017	00/16-05-055-18W5/0	Issued	16-05-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0082783	00/07-21-059-22W5/0	Issued	07-21-059-22W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0082783	00/07-21-059-22W5/0	Issued	07-21-059-22W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0082664	00/10-21-040-01W4/0	Issued	10-21-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	53.49%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	Bonavista Corp.	10.44%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	CNRL	2.81%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	Longrun Explor	8.33%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	Quest Fire	2.00%
AlphaBow Energy Ltd. A7H2	W0082576	00/12-02-056-19W5/0	Suspension	12-02-056-19W5	Drayton Valley	Whitecap Resources Inc.	22.93%
AlphaBow Energy Ltd. A7H2	W0082247	00/06-23-031-14W4/0	Suspension	06-23-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0082247	00/06-23-031-14W4/0	Suspension	06-23-031-14W4	Medicine Hat	Signalta Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0082136	00/06-03-050-14W4/0	Suspension	06-03-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0082136	00/06-03-050-14W4/0	Suspension	06-03-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0082136	00/06-03-050-14W4/0	Suspension	06-03-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0082136	00/06-03-050-14W4/0	Suspension	06-03-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0081814	00/09-20-056-19W5/0	Suspension	09-20-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	56.98%
AlphaBow Energy Ltd. A7H2	W0081814	00/09-20-056-19W5/0	Suspension	09-20-056-19W5	Drayton Valley	Longrun Explor	18.60%
AlphaBow Energy Ltd. A7H2	W0081814	00/09-20-056-19W5/0	Suspension	09-20-056-19W5	Drayton Valley	Whitecap Resources Inc.	24.42%
AlphaBow Energy Ltd. A7H2	W0081633	00/14-18-042-25W4/0	Issued	14-18-042-25W4	Red Deer	AlphaBow Energy Ltd.	52.11%
AlphaBow Energy Ltd. A7H2	W0081633	00/14-18-042-25W4/0	Issued	14-18-042-25W4	Red Deer	Glencoe Resources Ltd.	47.89%
AlphaBow Energy Ltd. A7H2	W0081595	00/11-20-058-04W6/0	Suspension	11-20-058-04W6	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0080000	00/14-07-060-22W5/0	Issued	14-07-060-22W5	Edmonton	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0080000	00/14-07-060-22W5/0	Issued	14-07-060-22W5	Edmonton	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0079695	00/01-18-029-18W4/0	Suspension	01-18-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0079694	00/07-18-029-18W4/0	Suspension	07-18-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0079660	02/12-34-040-25W4/0	Suspension	12-34-040-25W4	Red Deer	AlphaBow Energy Ltd.	38.50%
AlphaBow Energy Ltd. A7H2	W0079660	02/12-34-040-25W4/0	Suspension	12-34-040-25W4	Red Deer	Berry Creek Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0079600	00/06-19-059-14W5/0 00/06-19-059-14W5/2	Suspension	06-19-059-14W5	Edmonton	AlphaBow Energy Ltd.	70.00%

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AlphaBow Energy Ltd. A7H2	W0079600	00/06-19-059-14W5/0 00/06-19-059-14W5/2	Suspension	06-19-059-14W5	Edmonton	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0078969	00/09-08-041-25W4/0 02/07-08-041-25W4/3	Suspension	09-08-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0078969	00/09-08-041-25W4/0 02/07-08-041-25W4/3	Suspension	09-08-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0078876	00/11-01-057-20W5/0	Issued	11-01-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0078876	00/11-01-057-20W5/0	Issued	11-01-057-20W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0078653	00/07-22-041-20W4/0 00/07-22-041-20W4/2	Suspension	07-22-041-20W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0078646	00/06-03-064-19W5/0	Issued	06-03-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0078646	00/06-03-064-19W5/0	Issued	06-03-064-19W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0078545	00/13-33-054-18W5/0	Issued	13-33-054-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0078545	00/13-33-054-18W5/0	Issued	13-33-054-18W5	Drayton Valley	Tallahassee Exploration Inc.	23.75%
AlphaBow Energy Ltd. A7H2	W0078411	00/01-08-041-25W4/0	Suspension	01-08-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0078411	00/01-08-041-25W4/0	Suspension	01-08-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0077897	00/06-16-034-11W4/0	Suspension	06-16-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0077538	00/10-16-064-14W4/0	Suspension	10-16-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0077022	00/14-04-055-18W5/0	Issued	14-04-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0077022	00/14-04-055-18W5/0	Issued	14-04-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	23.75%
AlphaBow Energy Ltd. A7H2	W0076937	00/07-22-040-10W4/0	Suspension	07-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0076739	02/07-21-034-11W4/0	Suspension	07-21-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0076558	02/10-27-063-19W5/0	Suspension	10-27-063-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0076545	00/08-08-055-18W5/0	Issued	08-08-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0076545	00/08-08-055-18W5/0	Issued	08-08-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	23.75%
AlphaBow Energy Ltd. A7H2	W0075933	00/08-18-029-18W4/0	Suspension	08-18-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0075708	00/06-02-041-25W4/0	Suspension	06-02-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0075700	00/10-02-041-25W4/0	Suspension	10-02-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0075690	02/16-27-040-01W4/0	Issued	16-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0075357	00/09-05-041-25W4/0	Suspension	09-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	43.12%
AlphaBow Energy Ltd. A7H2	W0075357	00/09-05-041-25W4/0	Suspension	09-05-041-25W4	Red Deer	Glencoe Resources Ltd.	35.28%
AlphaBow Energy Ltd. A7H2	W0075357	00/09-05-041-25W4/0	Suspension	09-05-041-25W4	Red Deer	Maguire Oil and Gas Exploration Ltd.	9.10%
AlphaBow Energy Ltd. A7H2	W0075357	00/09-05-041-25W4/0	Suspension	09-05-041-25W4	Red Deer	Mutiny Oil & Gas Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0074331	00/14-08-055-18W5/0	Issued	14-08-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	48.85%
AlphaBow Energy Ltd. A7H2	W0074331	00/14-08-055-18W5/0	Issued	14-08-055-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	30.21%
AlphaBow Energy Ltd. A7H2	W0074331	00/14-08-055-18W5/0	Issued	14-08-055-18W5	Drayton Valley	Whitecap Resources Inc.	20.94%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0074229	00/11-18-079-12W4/0	Suspension	11-18-079-12W4	Bonnyville	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0074229	00/11-18-079-12W4/0	Suspension	11-18-079-12W4	Bonnyville	Canadian Natural Resources	12.50%
AlphaBow Energy Ltd. A7H2	W0074229	00/11-18-079-12W4/0	Suspension	11-18-079-12W4	Bonnyville	UNIVERSAL GAS INC.	12.50%
AlphaBow Energy Ltd. A7H2	W0073874	00/16-21-040-01W4/0	Suspension	16-21-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0073778	00/11-02-041-25W4/0	Suspension	11-02-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0073778	00/11-02-041-25W4/0	Suspension	11-02-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0073419	00/06-27-030-13W4/0	Issued	06-27-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0073018	00/07-02-041-25W4/0	Suspension	07-02-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0073018	00/07-02-041-25W4/0	Suspension	07-02-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0072822	00/10-01-033-11W4/0	Suspension	10-01-033-11W4	Wainwright	AlphaBow Energy Ltd.	46.80%
AlphaBow Energy Ltd. A7H2	W0072822	00/10-01-033-11W4/0	Suspension	10-01-033-11W4	Wainwright	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0072822	00/10-01-033-11W4/0	Suspension	10-01-033-11W4	Wainwright	Clear Lake Resources Ltd.	3.20%
AlphaBow Energy Ltd. A7H2	W0072709	00/14-32-040-25W4/0	Suspension	14-32-040-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0072709	00/14-32-040-25W4/0	Suspension	14-32-040-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0072633	00/06-09-031-09W4/0	Issued	06-09-031-09W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0072633	00/06-09-031-09W4/0	Issued	06-09-031-09W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	W0072578	00/11-33-010-22W4/0	Suspension	11-33-010-22W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0072384	00/06-10-041-25W4/0	Suspension	06-10-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0072374	00/04-09-055-18W5/0	Issued	04-09-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0072374	00/04-09-055-18W5/0	Issued	04-09-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	23.75%
AlphaBow Energy Ltd. A7H2	W0072354	00/09-25-010-11W4/0	Issued	09-25-010-11W4	Medicine Hat	ALPHABOW ENERGY	93.02%
AlphaBow Energy Ltd. A7H2	W0072354	00/09-25-010-11W4/0	Issued	09-25-010-11W4	Medicine Hat	SANLING	6.98%
AlphaBow Energy Ltd. A7H2	W0072243	00/06-36-041-25W4/0	Suspension	06-36-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0072243	00/06-36-041-25W4/0	Suspension	06-36-041-25W4	Red Deer	Glencoe Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0072166	00/16-27-040-01W4/0	Suspension	16-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0071980	00/06-11-030-13W4/0	Issued	06-11-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0071894	00/01-25-041-25W4/0	Issued	01-25-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0071776	02/15-22-040-10W4/0	Suspension	15-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0071621	00/12-36-041-25W4/0	Suspension	12-36-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0071462	00/16-18-055-18W5/0	Issued	16-18-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	55.42%
AlphaBow Energy Ltd. A7H2	W0071460	00/10-32-040-25W4/0	Suspension	10-32-040-25W4	Red Deer	AlphaBow Energy Ltd.	3.36%
AlphaBow Energy Ltd. A7H2	W0071460	00/10-32-040-25W4/0	Suspension	10-32-040-25W4	Red Deer	Ember Resources Inc.	50.00%
AlphaBow Energy Ltd. A7H2	W0071460	00/10-32-040-25W4/0	Suspension	10-32-040-25W4	Red Deer	Glencoe Resources Ltd.	46.64%
AlphaBow Energy Ltd. A7H2	W0070973	00/10-28-041-25W4/0	Suspension	10-28-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0069712	00/06-07-031-13W4/0	Issued	06-07-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0069216	00/09-03-041-25W4/0	Suspension	09-03-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.63%

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AlphaBow Energy Ltd. A7H2	W0069216	00/09-03-041-25W4/0	Suspension	09-03-041-25W4	Red Deer	Glencoe Resources Ltd.	46.37%
AlphaBow Energy Ltd. A7H2	W0069106	00/16-21-041-25W4/0	Suspension	16-21-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0069095	00/01-12-041-25W4/0	Suspension	01-12-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0069095	00/01-12-041-25W4/0	Suspension	01-12-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0069094	00/04-12-041-25W4/0	Suspension	04-12-041-25W4	Red Deer	AlphaBow Energy Ltd.	30.88%
AlphaBow Energy Ltd. A7H2	W0069094	00/04-12-041-25W4/0	Suspension	04-12-041-25W4	Red Deer	dauntliss	5.00%
AlphaBow Energy Ltd. A7H2	W0069094	00/04-12-041-25W4/0	Suspension	04-12-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0069094	00/04-12-041-25W4/0	Suspension	04-12-041-25W4	Red Deer	superman resources	16.63%
AlphaBow Energy Ltd. A7H2	W0068808	00/04-25-041-25W4/0	Issued	04-25-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0068808	00/04-25-041-25W4/0	Issued	04-25-041-25W4	Red Deer	Glencoe Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0067365	00/02-04-041-25W4/0	Issued	02-04-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0067365	00/02-04-041-25W4/0	Issued	02-04-041-25W4	Red Deer	AlphaBow Energy Ltd.	46.90%
AlphaBow Energy Ltd. A7H2	W0067365	00/02-04-041-25W4/0	Issued	02-04-041-25W4	Red Deer	Lynx Energy ULC	21.33%
AlphaBow Energy Ltd. A7H2	W0067365	00/02-04-041-25W4/0	Issued	02-04-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0067354	00/04-04-041-25W4/0	Suspension	04-04-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0067354	00/04-04-041-25W4/0	Suspension	04-04-041-25W4	Red Deer	AlphaBow Energy Ltd.	46.90%
AlphaBow Energy Ltd. A7H2	W0067354	00/04-04-041-25W4/0	Suspension	04-04-041-25W4	Red Deer	Lynx Energy ULC	21.33%
AlphaBow Energy Ltd. A7H2	W0067354	00/04-04-041-25W4/0	Suspension	04-04-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0067315	00/11-05-033-10W4/0	Suspension	11-05-033-10W4	Wainwright	AlphaBow Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	W0067315	00/11-05-033-10W4/0	Suspension	11-05-033-10W4	Wainwright	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	W0067315	00/11-05-033-10W4/0	Suspension	11-05-033-10W4	Wainwright	Tenaz Energy Corp.	62.50%
AlphaBow Energy Ltd. A7H2	W0067186	00/12-09-055-18W5/0	Suspension	12-09-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	59.06%
AlphaBow Energy Ltd. A7H2	W0067186	00/12-09-055-18W5/0	Suspension	12-09-055-18W5	Drayton Valley	Repsol O & G Inc	15.63%
AlphaBow Energy Ltd. A7H2	W0067186	00/12-09-055-18W5/0	Suspension	12-09-055-18W5	Drayton Valley	Whitecap Resources Inc.	25.31%
AlphaBow Energy Ltd. A7H2	W0066724	00/07-34-008-20W4/0	Issued	07-34-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0066418	00/01-28-041-25W4/0	Suspension	01-28-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0066178	00/06-28-030-13W4/0	Issued	06-28-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	37.50%
AlphaBow Energy Ltd. A7H2	W0066178	00/06-28-030-13W4/0	Issued	06-28-030-13W4	Medicine Hat	Canadian Natural Resources Limited	62.50%
AlphaBow Energy Ltd. A7H2	W0066135	00/06-35-008-20W4/0	Issued	06-35-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0066041	00/15-36-041-25W4/0	Suspension	15-36-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0066041	00/15-36-041-25W4/0	Suspension	15-36-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0065882	00/06-02-030-13W4/3	Issued	06-02-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0065732	00/16-11-041-25W4/0	Suspension	16-11-041-25W4	Red Deer	1864094 Alberta Ltd.	11.37%
AlphaBow Energy Ltd. A7H2	W0065708	00/01-11-041-25W4/0	Suspension	01-11-041-25W4	Red Deer	AlphaBow Energy Ltd.	27.30%
AlphaBow Energy Ltd. A7H2	W0065708	00/01-11-041-25W4/0	Suspension	01-11-041-25W4	Red Deer	Glencoe Resources Ltd.	24.70%

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AlphaBow Energy Ltd. A7H2	W0065708	00/01-11-041-25W4/0	Suspension	01-11-041-25W4	Red Deer	Rally Canada Resources Ltd.	24.00%
AlphaBow Energy Ltd. A7H2	W0065708	00/01-11-041-25W4/0	Suspension	01-11-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	24.00%
AlphaBow Energy Ltd. A7H2	W0065575	00/01-09-041-25W4/0	Suspension	01-09-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.44%
AlphaBow Energy Ltd. A7H2	W0065575	00/01-09-041-25W4/0	Suspension	01-09-041-25W4	Red Deer	Glencoe Resources Ltd.	46.56%
AlphaBow Energy Ltd. A7H2	W0065503	00/06-24-029-13W4/0	Issued	06-24-029-13W4	Medicine Hat	AlphaBow Energy Ltd.	35.66%
AlphaBow Energy Ltd. A7H2	W0065503	00/06-24-029-13W4/0	Issued	06-24-029-13W4	Medicine Hat	Signalta Resources Limited	64.34%
AlphaBow Energy Ltd. A7H2	W0065416	00/01-14-041-25W4/0	Suspension	01-14-041-25W4	Red Deer	1864094 Alberta Ltd.	16.48%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	AlphaBow Energy Ltd.	23.80%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	Glencoe Resources Ltd.	21.33%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	Penn West Petroleum	4.34%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	Rally Canada Resources Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0065079	00/10-04-041-25W4/0	Suspension	10-04-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0065047	00/08-05-041-25W4/0	Suspension	08-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0065001	00/08-16-041-25W4/0	Issued	08-16-041-25W4	Red Deer	AlphaBow Energy Ltd.	54.22%
AlphaBow Energy Ltd. A7H2	W0065001	00/08-16-041-25W4/0	Issued	08-16-041-25W4	Red Deer	Glencoe Resources Ltd.	45.78%
AlphaBow Energy Ltd. A7H2	W0064989	00/11-03-041-25W4/0	Suspension	11-03-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	W0064989	00/11-03-041-25W4/0	Suspension	11-03-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	W0064949	00/10-31-034-12W4/0	Suspension	10-31-034-12W4	Wainwright	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0064949	00/10-31-034-12W4/0	Suspension	10-31-034-12W4	Wainwright	Prairie Birch Royalties Ltd.	12.50%
AlphaBow Energy Ltd. A7H2	W0064728	00/11-12-041-25W4/0	Suspension	11-12-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	W0064728	00/11-12-041-25W4/0	Suspension	11-12-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	AlphaBow Energy Ltd.	23.80%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	Glencoe Resources Ltd.	21.33%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	Penn West Petroleum	4.34%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	Rally Canada Resources Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0064649	00/06-11-041-25W4/0	Suspension	06-11-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0064622	00/07-34-051-14W4/0	Suspension	07-34-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	293320 AB Ltd	13.03%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	advantage	4.38%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	AlphaBow Energy Ltd.	36.68%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	dauntless	4.08%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	daylight energy	18.75%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	harvest pegasus	18.75%
AlphaBow Energy Ltd. A7H2	W0064397	00/10-14-041-25W4/0	Suspension	10-14-041-25W4	Red Deer	sifton energy	4.34%



Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0064317	00/14-23-041-25W4/0	Suspension	14-23-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.91%
AlphaBow Energy Ltd. A7H2	W0064317	00/14-23-041-25W4/0	Suspension	14-23-041-25W4	Red Deer	Glencoe Resources Ltd.	47.09%
AlphaBow Energy Ltd. A7H2	W0064237	00/06-25-026-11W4/0	Suspension	06-25-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0064088	00/04-27-041-25W4/0	Suspension	04-27-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0064088	00/04-27-041-25W4/0	Suspension	04-27-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0064048	00/07-10-059-21W5/0	Suspension	07-10-059-21W5	Drayton Valley	AlphaBow Energy Ltd.	29.17%
AlphaBow Energy Ltd. A7H2	W0064048	00/07-10-059-21W5/0	Suspension	07-10-059-21W5	Drayton Valley	Paramount Resources Ltd.	58.33%
AlphaBow Energy Ltd. A7H2	W0064048	00/07-10-059-21W5/0	Suspension	07-10-059-21W5	Drayton Valley	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0063971	00/12-26-041-25W4/0	Issued	12-26-041-25W4	Red Deer	AlphaBow Energy Ltd.	51.92%
AlphaBow Energy Ltd. A7H2	W0063971	00/12-26-041-25W4/0	Issued	12-26-041-25W4	Red Deer	Glencoe Resources Ltd.	48.08%
AlphaBow Energy Ltd. A7H2	W0063822	00/04-17-011-10W4/0	Suspension	04-17-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	94.01%
AlphaBow Energy Ltd. A7H2	W0063822	00/04-17-011-10W4/0	Suspension	04-17-011-10W4	Medicine Hat	Canadian Natural Resources Limited	5.99%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	AlphaBow Energy Ltd.	23.80%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	Glencoe Resources Ltd.	21.33%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	Penn West Petroleum	4.34%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	Rally Canada Resources Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0063735	00/06-14-041-25W4/0	Suspension	06-14-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	AlphaBow Energy Ltd.	23.80%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	Glencoe Resources Ltd.	21.33%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	Penn West Petroleum	4.34%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	Rally Canada Resources Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0063717	00/11-14-041-25W4/0	Issued	11-14-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0063694	00/11-25-041-25W4/0	Suspension	11-25-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.44%
AlphaBow Energy Ltd. A7H2	W0063694	00/11-25-041-25W4/0	Suspension	11-25-041-25W4	Red Deer	Glencoe Resources Ltd.	46.56%
AlphaBow Energy Ltd. A7H2	W0063598	00/10-36-033-12W4/0	Suspension	10-36-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0063219	00/11-22-041-25W4/0	Suspension	11-22-041-25W4	Red Deer	Advantage Energy Ltd.	84.38%
AlphaBow Energy Ltd. A7H2	W0063219	00/11-22-041-25W4/0	Suspension	11-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	15.63%
AlphaBow Energy Ltd. A7H2	W0062394	00/11-05-040-16W4/0	Suspension	11-05-040-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0062113	00/10-26-041-25W4/0	Issued	10-26-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	1864094 Alberta Ltd.	13.03%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	AlphaBow Energy Ltd.	15.47%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	Gain Energy Ltd.	8.33%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	Glencoe Resources Ltd.	21.33%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	Penn West Petroleum	4.34%

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AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	Rally Canada Resources Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0062022	00/11-11-041-25W4/0	Suspension	11-11-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	18.75%
AlphaBow Energy Ltd. A7H2	W0061834	00/06-05-041-25W4/0	Suspension	06-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	54.27%
AlphaBow Energy Ltd. A7H2	W0061834	00/06-05-041-25W4/0	Suspension	06-05-041-25W4	Red Deer	Glencoe Resources Ltd.	45.73%
AlphaBow Energy Ltd. A7H2	W0061809	00/12-10-041-25W4/0	Suspension	12-10-041-25W4	Red Deer	AlphaBow Energy Ltd.	54.22%
AlphaBow Energy Ltd. A7H2	W0061809	00/12-10-041-25W4/0	Suspension	12-10-041-25W4	Red Deer	Glencoe Resources Ltd.	45.78%
AlphaBow Energy Ltd. A7H2	W0061408	00/06-26-041-25W4/0	Suspension	06-26-041-25W4	Red Deer	AlphaBow Energy Ltd.	60.90%
AlphaBow Energy Ltd. A7H2	W0061408	00/06-26-041-25W4/0	Suspension	06-26-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	39.10%
AlphaBow Energy Ltd. A7H2	W0061395	00/06-23-041-25W4/0	Suspension	06-23-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0061194	00/07-21-041-25W4/0	Suspension	07-21-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0061194	00/07-21-041-25W4/0	Suspension	07-21-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0061190	00/15-22-041-25W4/0	Suspension	15-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	54.22%
AlphaBow Energy Ltd. A7H2	W0061190	00/15-22-041-25W4/0	Suspension	15-22-041-25W4	Red Deer	Glencoe Resources Ltd.	45.78%
AlphaBow Energy Ltd. A7H2	W0061140	00/10-12-050-15W4/0	Suspension	10-12-050-15W4	Wainwright	AlphaBow Energy Ltd.	33.33%
AlphaBow Energy Ltd. A7H2	W0061140	00/10-12-050-15W4/0	Suspension	10-12-050-15W4	Wainwright	Arc Resources General Partnership	33.33%
AlphaBow Energy Ltd. A7H2	W0061140	00/10-12-050-15W4/0	Suspension	10-12-050-15W4	Wainwright	Canadian Natural Resources Limited	33.33%
AlphaBow Energy Ltd. A7H2	W0060947	00/05-22-041-25W4/0	Suspension	05-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0060947	00/05-22-041-25W4/0	Suspension	05-22-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0060946	00/02-15-041-25W4/0	Suspension	02-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0060946	00/02-15-041-25W4/0	Suspension	02-15-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0060838	00/07-27-041-25W4/0	Issued	07-27-041-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0060703	00/06-16-008-20W4/0	Issued	06-16-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0060631	00/06-06-031-13W4/0 00/06-06-031-13W4/2	Issued	06-06-031-13W4	Medicine Hat	AlphaBow Energy Ltd.	87.50%
AlphaBow Energy Ltd. A7H2	W0060631	00/06-06-031-13W4/0 00/06-06-031-13W4/2	Issued	06-06-031-13W4	Medicine Hat	Whitecap Resources Inc.	12.50%
AlphaBow Energy Ltd. A7H2	W0060574	00/04-15-041-25W4/0	Suspension	04-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0060574	00/04-15-041-25W4/0	Suspension	04-15-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0060090	00/16-23-041-25W4/0	Suspension	16-23-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.91%
AlphaBow Energy Ltd. A7H2	W0060090	00/16-23-041-25W4/0	Suspension	16-23-041-25W4	Red Deer	Glencoe Resources Ltd.	47.09%
AlphaBow Energy Ltd. A7H2	W0059793	00/10-10-041-25W4/0	Suspension	10-10-041-25W4	Red Deer	AlphaBow Energy Ltd.	54.22%
AlphaBow Energy Ltd. A7H2	W0059793	00/10-10-041-25W4/0	Suspension	10-10-041-25W4	Red Deer	Glencoe Resources Ltd.	45.78%
AlphaBow Energy Ltd. A7H2	W0059788	00/06-07-060-22W5/0	Suspension	06-07-060-22W5	Edmonton	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0059788	00/06-07-060-22W5/0	Suspension	06-07-060-22W5	Edmonton	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0059442	00/10-15-041-25W4/0	Suspension	10-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0059442	00/10-15-041-25W4/0	Suspension	10-15-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%



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AlphaBow Energy Ltd. A7H2	W0059243	00/07-22-041-25W4/0	Issued	07-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0059243	00/07-22-041-25W4/0	Issued	07-22-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0058233	00/10-29-032-11W4/0	Suspension	10-29-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0058233	00/10-29-032-11W4/0	Suspension	10-29-032-11W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0058214	00/10-26-030-14W4/0 00/10-26-030-14W4/3	Amended	10-26-030-14W4	Medicine Hat	AlphaBow Energy Ltd.	93.75%
AlphaBow Energy Ltd. A7H2	W0058214	00/10-26-030-14W4/3	Amended	10-26-030-14W4	Medicine Hat	Whitecap Resources Inc.	6.25%
AlphaBow Energy Ltd. A7H2	W0057888	00/11-15-041-25W4/0	Suspension	11-15-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.81%
AlphaBow Energy Ltd. A7H2	W0057888	00/11-15-041-25W4/0	Suspension	11-15-041-25W4	Red Deer	Glencoe Resources Ltd.	46.19%
AlphaBow Energy Ltd. A7H2	W0056995	00/10-01-008-20W4/0	Issued	10-01-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0056792	00/06-27-049-13W4/0	Suspension	06-27-049-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0056754	00/06-01-031-14W4/0	Issued	06-01-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	92.50%
AlphaBow Energy Ltd. A7H2	W0056754	00/06-01-031-14W4/0	Issued	06-01-031-14W4	Medicine Hat	BONNIE STERN	2.50%
AlphaBow Energy Ltd. A7H2	W0056754	00/06-01-031-14W4/0	Issued	06-01-031-14W4	Medicine Hat	Orla Petco, Inc.	2.50%
AlphaBow Energy Ltd. A7H2	W0056754	00/06-01-031-14W4/0	Issued	06-01-031-14W4	Medicine Hat	RHETTA FELTON	2.50%
AlphaBow Energy Ltd. A7H2	W0056693	00/07-29-056-19W5/0	Issued	07-29-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0056693	00/07-29-056-19W5/0	Issued	07-29-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0056484	00/10-34-030-13W4/0	Suspension	10-34-030-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0056185	00/06-03-032-13W4/0	Issued	06-03-032-13W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0055896	00/06-28-056-19W5/0	Suspension	06-28-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0055896	00/06-28-056-19W5/0	Suspension	06-28-056-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0055668	00/10-31-010-10W4/0	Issued	10-31-010-10W4	Medicine Hat	ALPHABOW ENERGY	93.02%
AlphaBow Energy Ltd. A7H2	W0055668	00/10-31-010-10W4/0	Issued	10-31-010-10W4	Medicine Hat	SANLING	6.98%
AlphaBow Energy Ltd. A7H2	W0055222	00/11-32-010-10W4/0	Issued	11-32-010-10W4	Medicine Hat	ALPHABOW ENERGY	93.02%
AlphaBow Energy Ltd. A7H2	W0055222	00/11-32-010-10W4/0	Issued	11-32-010-10W4	Medicine Hat	SANLING	6.98%
AlphaBow Energy Ltd. A7H2	W0055047	00/10-06-054-16W4/0	Suspension	10-06-054-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0054555	00/04-36-055-19W5/0	Suspension	04-36-055-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0054555	00/04-36-055-19W5/0	Suspension	04-36-055-19W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0054282	02/10-20-008-20W4/0	Issued	10-20-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0054207	00/06-33-011-10W4/0	Issued	06-33-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0054106	00/14-01-045-11W4/0	Suspension	14-01-045-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0053872	00/10-13-045-11W4/0	Suspension	10-13-045-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0053828	00/06-21-011-10W4/0	Issued	06-21-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0053799	00/07-31-049-11W4/0	Suspension	07-31-049-11W4	Wainwright	AlphaBow Energy Ltd.	22.89%
AlphaBow Energy Ltd. A7H2	W0053799	00/07-31-049-11W4/0	Suspension	07-31-049-11W4	Wainwright	Hamilton Brothe	5.76%

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AlphaBow Energy Ltd. A7H2	W0053799	00/07-31-049-11W4/0	Suspension	07-31-049-11W4	Wainwright	John Rathwell	16.41%
AlphaBow Energy Ltd. A7H2	W0053799	00/07-31-049-11W4/0	Suspension	07-31-049-11W4	Wainwright	Sequoia Res. JVB	38.54%
AlphaBow Energy Ltd. A7H2	W0053799	00/07-31-049-11W4/0	Suspension	07-31-049-11W4	Wainwright	White Minerals Ltd.	16.40%
AlphaBow Energy Ltd. A7H2	W0053744	00/07-04-053-12W4/0	Suspension	07-04-053-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0053720	00/06-09-011-10W4/0	Issued	06-09-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	94.01%
AlphaBow Energy Ltd. A7H2	W0053720	00/06-09-011-10W4/0	Issued	06-09-011-10W4	Medicine Hat	Canadian Natural Resources Limited	5.99%
AlphaBow Energy Ltd. A7H2	W0053638	00/16-16-056-19W5/0	Suspension	16-16-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	48.10%
AlphaBow Energy Ltd. A7H2	W0053638	00/16-16-056-19W5/0	Suspension	16-16-056-19W5	Drayton Valley	Bonavista Energy Corporation	14.43%
AlphaBow Energy Ltd. A7H2	W0053638	00/16-16-056-19W5/0	Suspension	16-16-056-19W5	Drayton Valley	Canadian Natural Resources Limited	2.18%
AlphaBow Energy Ltd. A7H2	W0053638	00/16-16-056-19W5/0	Suspension	16-16-056-19W5	Drayton Valley	Fairholme Resources Ltd.	2.78%
AlphaBow Energy Ltd. A7H2	W0052396	00/06-10-008-20W4/0	Issued	06-10-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0051476	00/11-01-052-14W4/0	Suspension	11-01-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0051325	00/06-08-011-22W4/0	Suspension	06-08-011-22W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0051254	00/10-05-052-17W5/0	Suspension	10-05-052-17W5	Drayton Valley	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	W0050939	00/06-34-010-22W4/0	Suspension	06-34-010-22W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0050361	00/07-25-049-14W4/0	Suspension	07-25-049-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0050124	00/10-24-051-14W4/0	Issued	10-24-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0050001	00/10-26-051-14W4/0	Suspension	10-26-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0048227	02/01-32-056-19W5/0	Suspension	01-32-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0048126	02/13-22-040-10W4/0	Suspension	13-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0047371	00/11-05-053-14W4/0	Suspension	11-05-053-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0047234	00/07-10-052-14W4/0	Suspension	07-10-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0047082	00/06-06-053-14W4/0	Suspension	06-06-053-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0047012	00/11-32-051-13W4/0	Suspension	11-32-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0046696	00/14-32-040-11W4/0	Suspension	14-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0045979	00/06-21-051-13W4/0	Suspension	06-21-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0045895	00/10-25-051-14W4/0	Suspension	10-25-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0045890	00/11-06-052-13W4/0	Suspension	11-06-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0044944	00/11-07-052-13W4/0	Suspension	11-07-052-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0044943	00/06-20-051-13W4/0	Suspension	06-20-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0044453	00/15-22-052-16W5/0	Issued	15-22-052-16W5	Drayton Valley	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	W0044453	00/15-22-052-16W5/0	Issued	15-22-052-16W5	Drayton Valley	Whitecap Resources Inc.	30.00%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	48.10%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Bonavista Energy Corporation	14.43%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Canadian Natural Resources Limited	2.18%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Fairholme Resources Ltd.	2.78%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Long Run Exploration Ltd.	10.33%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Questfire Energy Corp.	1.55%
AlphaBow Energy Ltd. A7H2	W0044292	00/07-10-056-19W5/0	Issued	07-10-056-19W5	Drayton Valley	Whitecap Resources Inc.	20.62%
AlphaBow Energy Ltd. A7H2	W0044140	00/06-31-008-20W4/0	Issued	06-31-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0044003	00/06-13-052-14W4/0	Issued	06-13-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0043985	00/06-33-052-14W4/0	Suspension	06-33-052-14W4	Wainwright	AlphaBow Energy Ltd.	98.91%
AlphaBow Energy Ltd. A7H2	W0043985	00/06-33-052-14W4/0	Suspension	06-33-052-14W4	Wainwright	COHN, BEATRICE	0.73%
AlphaBow Energy Ltd. A7H2	W0043985	00/06-33-052-14W4/0	Suspension	06-33-052-14W4	Wainwright	METZ, ARTHUR	0.36%
AlphaBow Energy Ltd. A7H2	W0041427	00/07-35-033-11W4/0	Suspension	07-35-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0040441	00/14-29-051-14W4/0	Suspension	14-29-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0040370	00/10-24-033-11W4/0	Suspension	10-24-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0040306	00/10-06-050-14W4/0	Suspension	10-06-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0040306	00/10-06-050-14W4/0	Suspension	10-06-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0040306	00/10-06-050-14W4/0	Suspension	10-06-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0040306	00/10-06-050-14W4/0	Suspension	10-06-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0040075	00/07-30-049-13W4/0	Suspension	07-30-049-13W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0040075	00/07-30-049-13W4/0	Suspension	07-30-049-13W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0040075	00/07-30-049-13W4/0	Suspension	07-30-049-13W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0040075	00/07-30-049-13W4/0	Suspension	07-30-049-13W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0039070	00/10-21-052-14W4/0	Suspension	10-21-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0039051	00/06-15-011-10W4/0	Suspension	06-15-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	93.02%
AlphaBow Energy Ltd. A7H2	W0039051	00/06-15-011-10W4/0	Suspension	06-15-011-10W4	Medicine Hat	SanLing Energy Ltd.	6.98%
AlphaBow Energy Ltd. A7H2	W0038859	00/06-27-052-14W4/0	Suspension	06-27-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0038717	00/11-19-051-13W4/0	Issued	11-19-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0038688	00/06-04-011-10W4/0	Suspension	06-04-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	93.02%
AlphaBow Energy Ltd. A7H2	W0038688	00/06-04-011-10W4/0	Suspension	06-04-011-10W4	Medicine Hat	SanLing Energy Ltd.	6.98%
AlphaBow Energy Ltd. A7H2	W0038542	00/06-32-052-14W4/0	Suspension	06-32-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0038364	00/11-31-011-10W4/0	Issued	11-31-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0038145	00/10-18-025-14W4/0	Suspension	10-18-025-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0038145	00/10-18-025-14W4/0	Suspension	10-18-025-14W4	Medicine Hat	Federated Co-Operatives Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0038091	00/09-12-052-18W5/0	Issued	09-12-052-18W5	Drayton Valley	AlphaBow Energy Ltd.	42.00%
AlphaBow Energy Ltd. A7H2	W0038091	00/09-12-052-18W5/0	Issued	09-12-052-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	40.00%
AlphaBow Energy Ltd. A7H2	W0038091	00/09-12-052-18W5/0	Issued	09-12-052-18W5	Drayton Valley	Whitecap Resources Inc.	18.00%
AlphaBow Energy Ltd. A7H2	W0037397	00/06-31-051-13W4/0	Suspension	06-31-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0037260	00/07-34-052-14W4/0	Suspension	07-34-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0037221	00/07-13-011-11W4/0	Suspension	07-13-011-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%

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AlphaBow Energy Ltd. A7H2	W0036409	00/11-17-006-18W4/0	Issued	11-17-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0036409	00/11-17-006-18W4/0	Issued	11-17-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0036409	00/11-17-006-18W4/0	Issued	11-17-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0036409	00/11-17-006-18W4/0	Issued	11-17-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0035617	00/06-28-052-14W4/0	Suspension	06-28-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0034041	00/07-15-055-18W5/0	Suspension	07-15-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	48.85%
AlphaBow Energy Ltd. A7H2	W0034041	00/07-15-055-18W5/0	Suspension	07-15-055-18W5	Drayton Valley	HWN Energy Ltd.	30.21%
AlphaBow Energy Ltd. A7H2	W0034041	00/07-15-055-18W5/0	Suspension	07-15-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	20.94%
AlphaBow Energy Ltd. A7H2	W0033000	00/10-29-051-13W4/0	Suspension	10-29-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0032175	00/10-35-006-19W4/0	Issued	10-35-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0032175	00/10-35-006-19W4/0	Issued	10-35-006-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0032175	00/10-35-006-19W4/0	Issued	10-35-006-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0032175	00/10-35-006-19W4/0	Issued	10-35-006-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0031175	00/07-16-064-20W5/0	Issued	07-16-064-20W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0031175	00/07-16-064-20W5/0	Issued	07-16-064-20W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0030993	00/07-29-011-10W4/0	Issued	07-29-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0030864	00/10-25-064-14W4/0	Issued	10-25-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0030847	00/11-30-006-18W4/0	Issued	11-30-006-18W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0030847	00/11-30-006-18W4/0	Issued	11-30-006-18W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0030847	00/11-30-006-18W4/0	Issued	11-30-006-18W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0030847	00/11-30-006-18W4/0	Issued	11-30-006-18W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0030802	00/11-06-065-18W5/0	Issued	11-06-065-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0030802	00/11-06-065-18W5/0	Issued	11-06-065-18W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0030645	00/10-03-064-14W4/0	Suspension	10-03-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0029541	00/10-32-040-11W4/0	Suspension	10-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0029465	02/11-09-012-10W4/0	Issued	11-09-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0029211	00/11-24-026-11W4/0	Suspension	11-24-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0029199	00/06-20-011-10W4/0	Suspension	06-20-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0029109	00/10-01-063-14W4/0	Issued	10-01-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0028734	00/10-17-012-10W4/0	Issued	10-17-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0028668	00/10-07-012-10W4/0	Suspension	10-07-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0028668	00/10-07-012-10W4/0	Suspension	10-07-012-10W4	Medicine Hat	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	W0028441	00/06-02-050-14W4/0	Suspension	06-02-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0028441	00/06-02-050-14W4/0	Suspension	06-02-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0028441	00/06-02-050-14W4/0	Suspension	06-02-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0028441	00/06-02-050-14W4/0	Suspension	06-02-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0028349	00/06-36-049-14W4/0	Suspension	06-36-049-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0028349	00/06-36-049-14W4/0	Suspension	06-36-049-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0028349	00/06-36-049-14W4/0	Suspension	06-36-049-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0028349	00/06-36-049-14W4/0	Suspension	06-36-049-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0027276	00/06-04-050-14W4/0	Suspension	06-04-050-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	W0027276	00/06-04-050-14W4/0	Suspension	06-04-050-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	W0027276	00/06-04-050-14W4/0	Suspension	06-04-050-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	W0027276	00/06-04-050-14W4/0	Suspension	06-04-050-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	W0026600	00/10-15-012-10W4/0	Suspension	10-15-012-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0026446	00/10-14-064-20W5/0	Issued	10-14-064-20W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0026446	00/10-14-064-20W5/0	Issued	10-14-064-20W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0025629	00/06-22-026-11W4/0	Suspension	06-22-026-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0025155	00/06-28-063-19W5/0	Suspension	06-28-063-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0025155	00/06-28-063-19W5/0	Suspension	06-28-063-19W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0024668	00/12-01-065-19W5/0	Issued	12-01-065-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0024668	00/12-01-065-19W5/0	Issued	12-01-065-19W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0024640	00/12-20-036-21W4/0	Suspension	12-20-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0024067	00/10-03-041-25W4/0	Suspension	10-03-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	W0024067	00/10-03-041-25W4/0	Suspension	10-03-041-25W4	Red Deer	Glencoe Resources	50.00%
AlphaBow Energy Ltd. A7H2	W0024022	00/10-24-064-20W5/0	Issued	10-24-064-20W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0024022	00/10-24-064-20W5/0	Issued	10-24-064-20W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0022952	00/02-30-036-21W4/0	Suspension	02-30-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0021587	00/16-06-029-18W4/0	Suspension	16-06-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0021520	00/11-13-064-14W4/0	Issued	11-13-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0021487	00/07-07-029-18W4/0	Issued	07-07-029-18W4	Calgary	625533 Alberta Ltd.	1.53%
AlphaBow Energy Ltd. A7H2	W0021487	00/07-07-029-18W4/0	Issued	07-07-029-18W4	Calgary	AlphaBow Energy Ltd.	96.88%
AlphaBow Energy Ltd. A7H2	W0021487	00/07-07-029-18W4/0	Issued	07-07-029-18W4	Calgary	Daroil Energy Limited	1.60%
AlphaBow Energy Ltd. A7H2	W0021217	00/10-03-065-18W5/0	Issued	10-03-065-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0021217	00/10-03-065-18W5/0	Issued	10-03-065-18W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0021176	00/13-05-029-18W4/0	Suspension	13-05-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0021135	00/10-07-029-18W4/0	Suspension	10-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0021101	00/05-08-029-18W4/0	Issued	05-08-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0020826	00/08-07-029-18W4/0	Issued	08-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0020704	00/01-07-029-18W4/0	Issued	01-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0020396	00/10-29-064-18W5/0	Suspension	10-29-064-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0020396	00/10-29-064-18W5/0	Suspension	10-29-064-18W5	Edmonton	TAQA North Ltd.	1.11%



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AlphaBow Energy Ltd. A7H2	W0020309	00/10-07-064-18W5/0	Suspension	10-07-064-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0020309	00/10-07-064-18W5/0	Suspension	10-07-064-18W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0020013	00/10-01-065-18W5/0	Issued	10-01-065-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0020013	00/10-01-065-18W5/0	Issued	10-01-065-18W5	Edmonton	Blue Sky Resources Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0019597	00/16-19-036-21W4/0	Issued	16-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0018434	00/02-28-064-18W5/0	Suspension	02-28-064-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0018434	00/02-28-064-18W5/0	Suspension	02-28-064-18W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0018037	00/10-05-064-19W5/0	Issued	10-05-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0018037	00/10-05-064-19W5/0	Issued	10-05-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0017570	00/04-08-029-18W4/0	Suspension	04-08-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0017393	00/03-27-040-10W4/0	Suspension	03-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0017257	00/16-21-040-10W4/0	Issued	16-21-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0017245	00/15-07-029-18W4/0	Issued	15-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0017214	00/04-27-040-10W4/0	Suspension	04-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0017087	00/13-22-040-10W4/0	Suspension	13-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0016294	00/16-07-029-18W4/0	Suspension	16-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015301	00/05-32-040-11W4/0	Suspension	05-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015291	00/12-23-064-19W5/0	Suspension	12-23-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	W0015291	00/12-23-064-19W5/0	Suspension	12-23-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	W0015265	00/03-32-040-11W4/0	Suspension	03-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015263	00/04-32-040-11W4/0	Suspension	04-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015192	00/05-33-040-11W4/0	Issued	05-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015109	00/07-32-040-11W4/0	Suspension	07-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015091	00/08-32-040-11W4/0	Suspension	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015043	00/01-32-040-11W4/0	Suspension	01-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0015023	00/02-32-040-11W4/2	Amended	02-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0013734	00/01-13-054-17W4/0	Suspension	01-13-054-17W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0013513	00/04-12-007-19W4/0	Issued	04-12-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	W0013513	00/04-12-007-19W4/0	Issued	04-12-007-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	W0013513	00/04-12-007-19W4/0	Issued	04-12-007-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	W0013513	00/04-12-007-19W4/0	Issued	04-12-007-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	W0013450	00/08-21-040-07W4/0	Issued	08-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0013396	00/02-21-040-07W4/0	Suspension	02-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	W0012446	00/05-03-058-09W4/0	Suspension	05-03-058-09W4	Bonnyville	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	W0012446	00/05-03-058-09W4/0	Suspension	05-03-058-09W4	Bonnyville	Crescent Point General Partner Corp.	25.00%

Company Name	Licence	Well UWI	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	W0011765	00/06-20-034-11W4/0	Suspension	06-20-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%



Company Name	Licence	Segment/I	Entity Status	Surface Location	To Surface Location	Field Centre
AlphaBow Energy Ltd. A7H2	P9965	S-1	Discontinued	07-30-049-13W4	07-25-049-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-2	Discontinued	07-25-049-14W4	06-36-049-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-6	Discontinued	06-03-050-14W4	06-36-049-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-8	Discontinued	07-08-050-14W4	09-05-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-9	Discontinued	10-06-050-14W4	09-05-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-10	Discontinued	09-05-050-14W4	06-04-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-11	Discontinued	01-13-050-15W4	07-08-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P9965	S-12	Discontinued	06-04-050-14W4	06-03-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8976	S-24	Operating	06-10-032-13W4	01-10-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P8976	S-25	Operating	16-11-032-13W4	01-10-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P8712	S-1	Discontinued	06-13-052-14W4	04-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-2	Operating	11-07-052-13W4	06-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-3	Operating	06-20-051-13W4	11-19-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-5	Operating	06-11-052-14W4	02-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-6	Operating	10-25-051-14W4	12-30-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-8	Operating	11-06-052-13W4	09-01-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-11	Operating	06-21-051-13W4	06-20-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-19	Operating	10-29-051-13W4	16-29-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-20	Operating	10-24-051-14W4	10-23-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-21	Operating	10-35-051-14W4	06-11-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-22	Operating	06-02-052-14W4	06-02-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-23	Operating	06-30-051-13W4	05-30-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-24	Operating	06-13-052-14W4	04-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-25	Operating	16-29-051-13W4	11-32-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-26	Operating	12-28-051-13W4	10-29-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-27	Operating	08-02-052-14W4	06-02-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8712	S-28	Operating	05-28-051-13W4	06-21-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P8658	S-6	Operating	10-27-063-19W5	16-28-063-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P7268	S-10	Operating	10-21-065-13W4	02-19-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-12	Operating	10-07-065-13W4	09-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-14	Operating	10-25-064-14W4	09-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-23	Operating	04-21-064-14W4	10-16-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-24	Operating	12-19-064-13W4	16-24-064-14W4	Bonnyville

AlphaBow Energy Ltd. A7H2	P7268	S-26	Operating	09-11-065-13W4	10-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-27	Operating	07-15-065-13W4	10-10-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-30	Operating	09-33-065-13W4	10-21-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-33	Operating	05-12-065-14W4	03-06-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-34	Operating	10-09-065-13W4	10-09-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-42	Operating	15-18-065-13W4	15-18-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-43	Operating	13-17-065-13W4	04-20-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-44	Discontinued	01-20-065-13W4	08-20-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-49	Operating	08-24-064-14W4	10-24-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-51	Operating	15-04-065-13W4	16-05-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-52	Operating	16-05-065-13W4	01-18-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-53	Operating	01-08-065-13W4	09-08-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-54	Operating	01-03-065-13W4	10-03-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-55	Operating	03-28-064-13W4	03-29-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-56	Operating	03-29-064-13W4	02-30-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-57	Operating	02-30-064-13W4	06-30-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-58	Operating	06-30-064-13W4	12-30-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-60	Operating	14-02-065-13W4	15-04-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-62	Operating	03-07-065-13W4	02-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-67	Operating	15-06-065-13W4	15-06-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-68	Discontinued	09-15-064-14W4	08-14-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-69	Operating	08-14-064-14W4	11-13-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-79	Operating	07-14-065-13W4	07-15-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-80	Operating	13-03-065-13W4	12-03-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-81	Operating	02-06-065-13W4	03-06-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-82	Operating	01-25-064-14W4	01-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-83	Operating	12-01-065-14W4	11-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-85	Operating	12-07-065-13W4	10-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-86	Operating	16-02-065-14W4	12-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-88	Operating	01-05-065-13W4	16-05-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-90	Operating	11-14-065-14W4	05-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-91	Discontinued	14-29-064-13W4	04-32-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-92	Operating	16-04-064-14W4	09-04-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-93	Operating	05-16-064-14W4	12-16-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-94	Operating	10-22-064-14W4	09-21-064-14W4	Bonnyville

AlphaBow Energy Ltd. A7H2	P7268	S-95	Operating	10-32-064-13W4	04-32-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-96	Operating	12-08-065-13W4	12-08-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-97	Discontinued	13-36-063-14W4	12-36-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-99	Operating	15-14-065-14W4	11-14-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-100	Operating	11-31-064-13W4	11-31-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-101	Operating	02-36-064-14W4	14-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-102	Operating	04-31-064-13W4	03-31-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-103	Operating	14-25-064-14W4	14-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-104	Operating	07-13-065-14W4	01-14-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-105	Operating	03-12-065-14W4	06-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-106	Operating	14-10-065-13W4	11-10-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-107	Operating	02-10-065-13W4	10-03-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-108	Operating	10-03-065-13W4	10-03-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-109	Operating	01-11-065-14W4	02-11-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-110	Discontinued	14-06-065-13W4	15-06-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-111	Operating	04-06-065-13W4	05-06-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-112	Operating	09-04-065-13W4	09-04-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-113	Operating	13-04-065-13W4	13-04-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-114	Operating	07-05-065-13W4	08-05-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-115	Discontinued	10-31-064-13W4	11-31-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-117	Operating	02-07-065-13W4	03-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-118	Operating	05-12-065-14W4	03-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-119	Operating	03-12-065-14W4	05-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-120	Operating	09-36-064-14W4	02-36-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-121	Operating	07-08-065-13W4	15-05-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-123	Operating	01-31-064-13W4	01-31-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-124	Operating	04-32-064-13W4	04-31-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-125	Operating	07-29-064-13W4	02-29-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-126	Operating	02-32-064-13W4	04-32-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-127	Operating	12-32-064-13W4	04-32-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-128	Operating	06-36-064-14W4	02-36-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-129	Operating	10-25-064-14W4	09-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-130	Operating	03-11-065-14W4	16-02-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-132	Operating	11-30-064-13W4	06-30-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-134	Operating	13-05-065-13W4	16-05-065-13W4	Bonnyville

AlphaBow Energy Ltd. A7H2	P7268	S-135	Operating	13-26-065-13W4	05-27-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-137	Operating	15-07-065-13W4	15-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-138	Operating	05-08-065-13W4	12-08-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-139	Operating	09-25-064-14W4	10-02-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-140	Operating	09-33-065-13W4	05-27-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-141	Operating	01-23-065-13W4	07-14-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-143	Operating	14-34-065-13W4	09-33-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-144	Operating	04-24-065-13W4	01-23-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-145	Discontinued	05-09-065-13W4	01-08-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P7268	S-146	Operating	02-19-065-13W4	10-07-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P61850	S-1	Operating	04-17-041-24W4	09-07-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61849	S-1	Operating	05-22-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61820	S-1	Operating	09-07-041-24W4	05-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61612	S-1	Operating	04-23-040-11W4	01-22-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P61570	S-1	Operating	06-11-043-26W4	08-11-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61490	S-1	Operating	06-11-043-26W4	08-11-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61489	S-1	Operating	06-11-043-26W4	08-11-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61488	S-1	Operating	08-11-043-26W4	06-11-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61356	S-2	Operating	09-07-041-24W4	09-07-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61356	S-3	Operating	05-22-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61356	S-5	Operating	04-27-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P61058	S-1	Operating	02-28-055-19W5	04-29-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P6056	S-1	Operating	04-27-064-19W5	08-09-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-2	Operating	10-17-064-19W5	04-15-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-3	Discontinued	10-28-064-19W5	04-27-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-4	Discontinued	10-34-064-19W5	04-27-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-5	Discontinued	02-27-064-19W5	04-27-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-6	Operating	10-22-064-19W5	04-27-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-7	Operating	12-23-064-19W5	10-22-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-10	Operating	10-24-064-20W5	10-17-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-11	Operating	10-17-064-19W5	04-15-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-12	Operating	11-06-065-18W5	12-01-065-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-14	Operating	12-19-064-19W5	05-19-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-15	Operating	02-20-064-19W5	10-17-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6056	S-16	Operating	03-35-064-19W5	10-34-064-19W5	Edmonton

AlphaBow Energy Ltd. A7H2	P6011	S-1	Operating	10-05-064-19W5	08-09-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-2	Operating	07-16-064-20W5	10-15-064-20W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-3	Operating	10-15-064-20W5	10-14-064-20W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-4	Operating	10-14-064-20W5	10-24-064-20W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-7	Operating	06-03-064-19W5	08-04-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-8	Operating	06-28-063-19W5	08-09-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-9	Operating	10-01-065-18W5	15-02-065-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-10	Operating	15-02-065-18W5	15-02-065-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-11	Operating	09-03-065-18W5	10-03-065-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-12	Operating	10-03-065-18W5	16-33-064-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-13	Operating	16-33-064-18W5	16-33-064-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-14	Operating	16-33-064-18W5	07-20-064-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P6011	S-17	Operating	15-02-065-18W5	09-03-065-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P59799	S-1	Operating	10-28-040-07W4	10-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59799	S-2	Operating	10-28-040-07W4	10-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59799	S-3	Operating	16-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-1	Operating	06-23-040-13W4	11-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-2	Operating	08-23-040-13W4	11-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-4	Operating	14-13-040-13W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-5	Operating	14-13-040-13W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-6	Operating	12-15-040-13W4	16-15-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-7	Operating	12-15-040-13W4	16-15-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-8	Operating	16-15-040-13W4	14-13-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-9	Operating	16-15-040-13W4	14-13-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-10	Discontinued	03-23-040-13W4	06-23-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59640	S-11	Operating	08-23-040-13W4	06-23-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-1	Operating	16-27-040-01W4	13-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-2	Discontinued	16-27-040-01W4	13-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-3	Operating	16-27-040-01W4	16-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-4	Discontinued	16-27-040-01W4	16-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-5	Operating	14-27-040-01W4	13-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-6	Operating	14-27-040-01W4	13-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-7	Operating	01-27-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-8	Operating	01-27-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-12	Operating	13-27-040-01W4	12-28-040-01W4	Wainwright



AlphaBow Energy Ltd. A7H2	P59638	S-14	Operating	02-36-040-01W4	16-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-15	Discontinued	02-36-040-01W4	16-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-18	Operating	08-27-040-01W4	08-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-19	Operating	08-27-040-01W4	08-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-30	Operating	02-36-040-01W4	02-36-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-31	Discontinued	02-36-040-01W4	02-36-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-32	Operating	01-28-040-01W4	01-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-33	Operating	01-28-040-01W4	01-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-40	Operating	08-27-040-01W4	08-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-41	Operating	08-27-040-01W4	08-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-66	Operating	16-22-040-01W4	01-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-67	Operating	16-22-040-01W4	01-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-72	Operating	11-21-040-01W4	02-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-73	Operating	11-21-040-01W4	02-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-75	Operating	14-30-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-79	Operating	15-21-040-01W4	14-21-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-80	Operating	15-21-040-01W4	14-21-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-82	Operating	01-28-040-01W4	08-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-83	Operating	01-28-040-01W4	08-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-84	Operating	10-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-85	Operating	07-28-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-86	Operating	07-28-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-87	Operating	10-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-88	Operating	07-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-89	Operating	07-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-90	Operating	07-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-91	Operating	07-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-92	Operating	10-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-93	Operating	08-28-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-94	Operating	08-28-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-95	Operating	08-28-040-01W4	08-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-96	Operating	08-28-040-01W4	08-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-97	Operating	11-28-040-01W4	11-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-98	Operating	11-28-040-01W4	11-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-99	Operating	12-30-040-01W4	13-30-040-01W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59638	S-100	Operating	12-30-040-01W4	13-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-101	Operating	11-30-040-01W4	13-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-102	Operating	11-30-040-01W4	13-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-103	Operating	06-30-040-01W4	11-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-104	Operating	06-30-040-01W4	11-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-105	Operating	13-30-040-01W4	14-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59638	S-106	Operating	13-30-040-01W4	14-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59637	S-10	Operating	11-28-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-3	Discontinued	01-30-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-4	Discontinued	01-30-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-6	Discontinued	16-19-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-15	Discontinued	09-16-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-16	Discontinued	08-16-036-07W4	09-16-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-17	Operating	02-30-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-18	Operating	02-30-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-19	Operating	13-30-036-07W4	02-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-20	Operating	13-30-036-07W4	02-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-21	Operating	16-24-036-08W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59636	S-22	Operating	16-24-036-08W4	02-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59635	S-2	Operating	01-30-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59635	S-3	Discontinued	01-30-036-07W4	03-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59635	S-5	Operating	01-30-036-07W4	08-19-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-1	Discontinued	11-04-040-11W4	09-01-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-2	Operating	09-01-040-12W4	06-01-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-4	Operating	06-01-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-6	Operating	16-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-7	Operating	10-34-039-11W4	11-04-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-8	Operating	09-08-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-9	Discontinued	04-08-040-12W4	13-05-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-10	Operating	13-05-040-12W4	11-05-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-12	Operating	10-34-039-11W4	10-34-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-13	Operating	11-05-040-12W4	03-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-15	Operating	07-04-040-11W4	02-04-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-16	Operating	02-33-039-12W4	03-03-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-17	Operating	12-28-039-12W4	10-28-039-12W4	Wainwright



AlphaBow Energy Ltd. A7H2	P59634	S-18	Operating	10-28-039-12W4	02-33-039-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-19	Discontinued	05-08-040-12W4	04-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-20	Discontinued	02-30-039-11W4	15-30-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-22	Discontinued	15-30-039-11W4	15-30-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-23	Discontinued	11-29-039-11W4	13-29-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-24	Discontinued	13-29-039-11W4	15-30-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59634	S-28	Operating	11-01-040-12W4	06-01-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59633	S-2	Operating	06-33-040-13W4	08-33-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59633	S-3	Operating	08-33-040-13W4	05-34-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59632	S-1	Discontinued	13-23-040-13W4	02-27-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59632	S-2	Discontinued	15-22-040-13W4	15-22-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-1	Discontinued	03-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-2	Discontinued	06-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-3	Operating	06-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-4	Operating	06-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-5	Discontinued	13-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-6	Discontinued	13-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-7	Operating	13-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-8	Operating	03-17-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-9	Discontinued	02-17-040-12W4	02-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-10	Discontinued	08-17-040-12W4	01-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-11	Discontinued	12-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-12	Operating	12-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-13	Discontinued	04-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-14	Operating	03-17-040-12W4	03-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-15	Discontinued	12-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-16	Discontinued	03-17-040-12W4	03-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-17	Discontinued	15-08-040-12W4	02-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-18	Discontinued	12-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-19	Discontinued	06-08-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-20	Discontinued	11-08-040-12W4	06-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-22	Discontinued	05-08-040-12W4	06-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-23	Discontinued	01-17-040-12W4	02-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-24	Discontinued	13-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-25	Discontinued	06-09-040-12W4	06-09-040-12W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59629	S-26	Discontinued	03-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-27	Discontinued	03-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-28	Discontinued	12-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-29	Discontinued	11-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-30	Operating	02-03-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-31	Discontinued	02-03-040-12W4	02-03-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-32	Discontinued	09-08-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-33	Discontinued	09-08-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-34	Discontinued	09-08-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-35	Operating	05-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-38	Discontinued	13-09-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-42	Discontinued	06-09-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-43	Discontinued	15-05-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-45	Discontinued	06-09-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-46	Discontinued	14-05-040-12W4	15-05-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-47	Discontinued	06-09-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-48	Operating	11-19-040-12W4	10-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-49	Operating	11-19-040-12W4	10-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-52	Discontinued	07-19-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-53	Operating	03-33-040-12W4	14-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-54	Discontinued	03-33-040-12W4	14-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-55	Operating	12-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-56	Operating	12-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-57	Operating	09-24-040-13W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-58	Operating	11-24-040-13W4	09-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-59	Operating	07-04-040-12W4	06-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-60	Discontinued	04-17-040-12W4	03-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-61	Discontinued	09-29-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-62	Discontinued	09-29-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-63	Discontinued	04-17-040-12W4	03-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-64	Operating	01-16-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-65	Discontinued	16-09-040-12W4	01-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-66	Operating	13-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-67	Operating	13-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-68	Discontinued	14-24-040-13W4	11-24-040-13W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59629	S-70	Operating	07-19-040-12W4	02-18-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-71	Discontinued	15-07-040-12W4	07-07-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-72	Discontinued	07-07-040-12W4	15-07-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-73	Discontinued	14-24-040-13W4	11-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-75	Operating	16-23-040-13W4	11-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-76	Operating	15-07-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-78	Discontinued	15-07-040-12W4	15-07-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-79	Operating	08-19-040-12W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-80	Operating	02-18-040-12W4	15-07-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-82	Operating	11-19-040-12W4	11-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-83	Discontinued	12-29-040-12W4	10-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-84	Discontinued	12-29-040-12W4	10-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-85	Operating	14-28-040-12W4	14-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-86	Operating	14-28-040-12W4	14-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-87	Operating	06-20-040-12W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-88	Operating	06-20-040-12W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-89	Operating	03-20-040-12W4	06-20-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-90	Operating	13-28-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-91	Operating	14-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-92	Operating	15-29-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-93	Operating	15-29-040-12W4	15-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-94	Operating	14-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-95	Operating	15-29-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-96	Operating	15-29-040-12W4	15-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-97	Operating	13-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-98	Operating	13-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-99	Operating	10-29-040-12W4	15-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-100	Operating	10-29-040-12W4	15-29-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-101	Operating	10-19-040-12W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59629	S-102	Operating	10-19-040-12W4	07-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59628	S-1	Discontinued	14-33-040-01W4	14-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-13	Operating	05-16-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-18	Operating	15-22-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-26	Operating	01-22-040-10W4	08-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-57	Operating	03-27-040-10W4	04-27-040-10W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59627	S-63	Operating	10-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-71	Operating	01-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-74	Discontinued	05-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-77	Operating	05-23-040-10W4	08-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-78	Discontinued	04-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-79	Operating	04-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-80	Discontinued	04-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-83	Operating	04-23-040-10W4	04-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-84	Discontinued	04-23-040-10W4	04-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-86	Discontinued	06-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-87	Operating	11-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-88	Operating	11-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-89	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-90	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-91	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-92	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-93	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-94	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-95	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-96	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-97	Discontinued	16-15-040-01W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-98	Operating	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-99	Operating	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-100	Discontinued	16-15-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-101	Discontinued	12-23-040-10W4	11-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-102	Discontinued	12-23-040-10W4	11-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-103	Discontinued	12-23-040-10W4	11-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-104	Discontinued	13-14-040-10W4	16-15-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-105	Operating	13-14-040-10W4	16-15-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-106	Operating	13-14-040-10W4	16-15-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-107	Discontinued	13-14-040-10W4	16-15-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-108	Discontinued	13-14-040-10W4	16-15-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-109	Discontinued	04-23-040-10W4	13-14-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-110	Discontinued	03-22-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-111	Operating	07-27-040-10W4	02-27-040-10W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59627	S-114	Discontinued	12-16-040-10W4	05-16-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-115	Operating	01-22-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-116	Discontinued	11-23-040-10W4	11-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-117	Operating	15-22-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-118	Operating	02-27-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-119	Operating	05-16-040-10W4	05-16-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-120	Operating	05-16-040-10W4	05-16-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-121	Operating	10-22-040-10W4	10-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-122	Operating	11-22-040-10W4	10-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-123	Operating	10-22-040-10W4	10-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-124	Operating	16-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-125	Operating	16-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-126	Operating	15-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-127	Operating	09-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-128	Operating	09-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-129	Operating	10-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-130	Operating	14-22-040-10W4	03-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-131	Operating	15-22-040-10W4	14-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-132	Operating	14-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-133	Operating	14-22-040-10W4	14-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-134	Operating	13-22-040-10W4	13-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-135	Operating	01-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-136	Operating	02-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-137	Operating	02-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-138	Operating	14-23-040-10W4	11-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-139	Operating	15-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-140	Operating	15-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-141	Operating	02-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-142	Operating	02-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-143	Operating	13-22-040-10W4	14-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-144	Operating	13-22-040-10W4	14-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-145	Operating	13-22-040-10W4	13-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-146	Operating	13-22-040-10W4	13-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-147	Operating	09-22-040-10W4	09-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-148	Operating	08-22-040-10W4	15-22-040-10W4	Wainwright



AlphaBow Energy Ltd. A7H2	P59627	S-149	Discontinued	16-21-040-10W4	13-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-150	Operating	15-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-151	Discontinued	06-27-040-10W4	02-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59627	S-152	Operating	02-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59626	S-2	Discontinued	05-33-040-01W4	05-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59626	S-3	Operating	15-33-040-01W4	12-03-041-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59626	S-4	Operating	06-33-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-2	Discontinued	05-33-040-01W4	06-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-3	Discontinued	10-33-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-5	Discontinued	10-33-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-6	Operating	06-33-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-7	Operating	14-33-040-01W4	14-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-8	Operating	15-33-040-01W4	01-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-9	Operating	01-33-040-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-11	Operating	01-33-040-01W4	06-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-18	Operating	05-33-040-01W4	06-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-19	Operating	10-03-041-01W4	12-03-041-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-20	Discontinued	10-03-041-01W4	12-03-041-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-21	Operating	12-03-041-01W4	15-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-22	Operating	14-33-040-01W4	13-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-23	Operating	14-33-040-01W4	13-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-24	Operating	01-33-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-25	Operating	13-33-040-01W4	06-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59625	S-26	Operating	13-33-040-01W4	06-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59624	S-67	Operating	14-30-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59624	S-68	Operating	02-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59624	S-69	Operating	02-28-040-01W4	07-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59624	S-128	Operating	07-28-040-01W4	11-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59624	S-129	Operating	07-28-040-01W4	11-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-21	Operating	06-21-040-07W4	06-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-22	Operating	07-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-23	Operating	13-27-040-07W4	09-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-24	Operating	06-21-040-07W4	06-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-25	Operating	06-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-26	Operating	13-27-040-07W4	13-27-040-07W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59622	S-27	Operating	13-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-28	Operating	13-27-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-29	Operating	13-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-30	Operating	13-27-040-07W4	09-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-31	Operating	09-33-040-07W4	09-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-32	Discontinued	09-33-040-07W4	09-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-33	Discontinued	09-33-040-07W4	09-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-34	Operating	13-27-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-35	Operating	13-27-040-07W4	11-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-36	Operating	11-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-37	Operating	11-27-040-07W4	10-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-38	Operating	10-27-040-07W4	07-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-39	Operating	07-27-040-07W4	02-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-40	Operating	06-21-040-07W4	12-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-41	Discontinued	07-21-040-07W4	03-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59622	S-42	Operating	07-21-040-07W4	03-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-173	Discontinued	01-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-175	Discontinued	04-15-040-07W4	01-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-222	Operating	06-27-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-293	Operating	13-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-348	Operating	16-28-040-07W4	16-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-356	Operating	06-27-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-358	Operating	11-16-040-07W4	13-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-360	Operating	12-16-040-07W4	11-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-367	Discontinued	04-15-040-07W4	04-15-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-368	Operating	15-28-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-369	Operating	16-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-373	Operating	08-28-040-07W4	10-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-374	Operating	08-28-040-07W4	10-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-392	Operating	04-22-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-393	Operating	04-22-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-394	Operating	05-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-395	Operating	05-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-399	Operating	09-28-040-07W4	16-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-402	Discontinued	15-28-040-07W4	15-28-040-07W4	Wainwright



AlphaBow Energy Ltd. A7H2	P59621	S-403	Operating	12-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-404	Operating	16-28-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-405	Operating	12-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-406	Operating	12-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-407	Operating	11-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-408	Operating	05-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-409	Operating	05-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-410	Operating	13-27-040-07W4	16-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-411	Operating	14-28-040-07W4	14-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-412	Operating	14-28-040-07W4	14-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-413	Operating	14-28-040-07W4	14-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-414	Operating	14-28-040-07W4	14-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-415	Operating	14-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-416	Operating	14-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-417	Operating	14-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-418	Operating	14-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-419	Operating	10-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-420	Operating	10-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-421	Operating	14-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-422	Operating	14-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-423	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-424	Discontinued	02-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-425	Discontinued	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-426	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-427	Operating	12-33-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-428	Discontinued	10-33-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-429	Operating	04-33-040-07W4	06-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-430	Operating	04-33-040-07W4	06-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-431	Operating	06-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-432	Operating	06-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-433	Operating	03-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-434	Operating	03-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-435	Operating	03-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-436	Operating	03-33-040-07W4	03-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-437	Operating	03-33-040-07W4	02-33-040-07W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59621	S-438	Operating	03-33-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-439	Operating	02-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-440	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-442	Discontinued	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-443	Operating	10-33-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-444	Operating	07-32-040-07W4	07-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-445	Operating	07-32-040-07W4	07-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-446	Operating	03-27-040-07W4	03-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-447	Operating	03-27-040-07W4	03-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-448	Operating	03-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-449	Operating	03-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-450	Operating	06-27-040-07W4	05-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-451	Operating	06-27-040-07W4	05-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-452	Operating	16-28-040-07W4	16-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-453	Operating	13-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-454	Operating	13-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-455	Operating	14-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-456	Operating	14-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-457	Operating	14-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-458	Operating	14-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-459	Operating	13-16-040-07W4	13-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-461	Operating	13-16-040-07W4	14-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-463	Operating	14-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-465	Operating	15-16-040-07W4	15-16-070-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-466	Operating	15-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-467	Discontinued	15-16-040-07W4	15-16-070-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-468	Discontinued	14-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-469	Discontinued	15-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-470	Discontinued	02-21-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-472	Discontinued	02-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-473	Discontinued	02-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-474	Operating	02-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-475	Operating	01-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-476	Discontinued	02-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-477	Operating	15-16-040-07W4	15-16-040-07W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59621	S-478	Operating	15-16-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-480	Operating	15-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-483	Operating	03-21-040-07W4	14-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-485	Operating	05-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-486	Operating	05-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-487	Discontinued	08-32-040-07W4	08-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-488	Discontinued	08-32-040-07W4	08-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-489	Operating	08-32-040-07W4	12-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-490	Operating	08-32-040-07W4	12-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-493	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-494	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-495	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-496	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-497	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-498	Operating	09-32-040-07W4	09-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-503	Operating	13-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-504	Operating	15-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-505	Operating	15-21-040-07W4	11-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-506	Operating	11-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-507	Operating	03-21-040-07W4	03-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-508	Operating	03-21-040-07W4	03-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-509	Operating	02-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-510	Operating	02-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-511	Discontinued	07-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-512	Discontinued	07-21-040-07W4	02-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-513	Operating	04-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-514	Operating	04-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-515	Operating	15-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-516	Operating	16-16-040-07W4	15-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-517	Operating	15-15-040-07W4	03-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-518	Operating	15-15-040-07W4	03-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-519	Discontinued	13-16-040-07W4	14-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-520	Operating	10-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-521	Operating	10-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-522	Operating	16-20-040-07W4	09-20-040-07W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59621	S-523	Operating	09-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-524	Operating	09-20-040-07W4	12-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-525	Operating	09-20-040-07W4	12-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-526	Operating	16-20-040-07W4	16-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-527	Operating	09-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-528	Operating	16-20-040-07W4	16-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-529	Discontinued	16-20-040-07W4	16-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-530	Operating	07-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-531	Operating	07-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-532	Operating	07-20-040-07W4	10-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-533	Operating	07-20-040-07W4	10-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-534	Operating	13-21-040-07W4	14-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-535	Discontinued	08-32-040-07W4	08-32-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-536	Discontinued	11-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-537	Discontinued	09-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-538	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-539	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-540	Discontinued	04-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-541	Operating	02-22-040-07W4	03-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-542	Operating	02-22-040-07W4	03-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-543	Operating	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-544	Discontinued	01-33-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-545	Operating	07-33-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-546	Discontinued	02-33-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-547	Operating	15-16-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59621	S-548	Operating	15-16-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-2	Discontinued	13-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-8	Discontinued	03-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-10	Discontinued	05-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-11	Discontinued	06-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-18	Discontinued	13-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-24	Discontinued	04-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-27	Discontinued	05-33-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-32	Discontinued	13-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-33	Discontinued	15-29-040-11W4	02-32-040-11W4	Wainwright

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AlphaBow Energy Ltd. A7H2	P59620	S-87	Discontinued	12-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-88	Operating	11-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-90	Discontinued	10-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-92	Operating	12-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-94	Discontinued	14-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-95	Discontinued	11-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-96	Discontinued	11-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-97	Discontinued	14-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-98	Operating	14-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-99	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-100	Discontinued	09-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-102	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-103	Discontinued	15-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-104	Discontinued	15-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-105	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-106	Discontinued	15-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-107	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-108	Discontinued	01-32-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-109	Discontinued	16-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-110	Operating	16-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-111	Operating	08-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-112	Operating	08-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-113	Discontinued	14-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-114	Operating	16-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-115	Discontinued	14-06-041-11W4	12-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-116	Discontinued	13-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-117	Discontinued	15-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-118	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-119	Discontinued	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-121	Discontinued	08-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-123	Discontinued	14-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-124	Discontinued	15-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-125	Operating	08-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-126	Discontinued	08-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-127	Discontinued	08-32-040-11W4	08-32-040-11W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59620	S-128	Operating	08-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-129	Discontinued	04-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-130	Discontinued	05-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-131	Operating	05-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-132	Discontinued	05-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-133	Operating	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-134	Discontinued	04-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-135	Discontinued	04-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-136	Discontinued	05-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-137	Discontinued	14-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-138	Discontinued	10-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-139	Discontinued	13-28-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-140	Discontinued	04-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-141	Discontinued	12-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-142	Discontinued	06-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-143	Discontinued	04-32-040-11W4	03-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-144	Operating	03-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-146	Operating	14-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-147	Discontinued	16-29-040-11W4	15-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-148	Discontinued	14-33-040-11W4	12-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-149	Discontinued	12-33-040-11W4	12-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-150	Operating	12-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-151	Operating	12-33-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-152	Discontinued	02-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-153	Discontinued	03-32-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-154	Discontinued	11-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-158	Discontinued	06-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-159	Operating	06-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-160	Operating	06-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-161	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-162	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-163	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-164	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-165	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-166	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright



AlphaBow Energy Ltd. A7H2	P59620	S-167	Operating	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-168	Operating	15-06-041-11W4	14-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-169	Operating	07-11-041-12W4	14-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-170	Operating	07-11-041-12W4	14-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-171	Operating	15-06-041-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-172	Discontinued	12-05-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-173	Operating	09-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-174	Discontinued	09-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-175	Operating	13-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-176	Operating	13-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-177	Operating	06-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-178	Operating	06-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-179	Discontinued	10-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-180	Discontinued	10-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-181	Operating	10-35-040-12W4	10-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-182	Operating	10-35-040-12W4	10-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-183	Operating	11-35-040-12W4	09-31-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-184	Discontinued	04-32-040-11W4	04-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-185	Discontinued	13-32-040-11W4	13-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-186	Discontinued	13-32-040-11W4	13-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-187	Discontinued	13-32-040-11W4	13-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-188	Discontinued	09-06-041-11W4	09-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-189	Discontinued	09-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-190	Operating	09-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-191	Operating	10-32-040-11W4	09-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-192	Discontinued	10-32-040-11W4	09-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-193	Operating	07-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-194	Discontinued	07-32-040-11W4	08-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-195	Discontinued	07-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-196	Discontinued	13-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-197	Discontinued	13-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-198	Discontinued	12-35-040-12W4	12-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-199	Operating	14-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-200	Operating	14-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-201	Operating	07-32-040-11W4	06-32-040-11W4	Wainwright

AlphaBow Energy Ltd. A7H2	P59620	S-202	Operating	07-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-203	Discontinued	06-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-204	Operating	12-35-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-205	Operating	08-34-040-12W4	11-35-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-206	Operating	16-29-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59620	S-207	Operating	15-29-040-11W4	14-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-2	Operating	16-21-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-3	Discontinued	04-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-5	Discontinued	04-35-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-6	Discontinued	08-29-040-10W4	09-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-7	Discontinued	09-29-040-10W4	01-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-8	Discontinued	07-20-040-10W4	01-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-9	Discontinued	01-29-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-11	Discontinued	02-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59618	S-12	Discontinued	14-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P59567	S-1	Operating	16-34-064-19W5	08-21-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P59567	S-2	Operating	08-21-064-19W5	07-16-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P59567	S-3	Operating	07-16-064-19W5	12-10-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P57847	S-1	Operating	08-24-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57847	S-2	Operating	08-24-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57847	S-3	Operating	14-13-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57847	S-4	Operating	14-13-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57827	S-1	Operating	14-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57827	S-2	Operating	08-24-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-1	Operating	04-17-041-24W4	15-07-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-2	Operating	14-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-3	Operating	08-24-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-4	Operating	16-34-042-26W4	16-02-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-5	Operating	14-26-042-26W4	16-34-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-6	Operating	06-11-043-26W4	04-27-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-7	Operating	12-25-042-26W4	14-26-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-8	Operating	04-27-043-26W4	12-34-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-9	Operating	06-25-042-26W4	12-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-10	Operating	15-07-042-25W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57388	S-11	Operating	16-02-043-26W4	06-11-043-26W4	Red Deer

AlphaBow Energy Ltd. A7H2	P57387	S-1	Discontinued	02-30-039-25W4	05-30-039-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57387	S-2	Discontinued	03-04-039-25W4	03-04-039-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57379	S-1	Discontinued	06-02-041-25W4	11-02-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57378	S-1	Operating	14-19-041-24W4	01-25-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57377	S-1	Discontinued	09-24-041-25W4	14-19-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57376	S-1	Operating	02-15-041-25W4	10-10-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57376	S-2	Operating	06-15-041-25W4	02-15-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57376	S-3	Operating	06-15-041-25W4	06-15-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57375	S-1	Operating	08-16-041-25W4	05-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57374	S-1	Operating	14-33-043-26W4	14-28-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57374	S-2	Discontinued	16-32-043-26W4	08-05-044-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57374	S-3	Discontinued	14-33-043-26W4	06-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57374	S-4	Operating	08-05-044-26W4	16-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P57374	S-5	Operating	08-05-044-26W4	06-04-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P57374	S-6	Operating	08-05-044-26W4	14-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P57374	S-7	Operating	08-05-044-26W4	02-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P57374	S-8	Operating	14-33-043-26W4	06-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57373	S-1	Operating	16-32-043-26W4	08-05-044-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57373	S-2	Operating	14-33-043-26W4	16-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57373	S-3	Operating	16-32-043-26W4	08-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57372	S-1	Operating	14-15-043-26W4	14-15-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57371	S-1	Operating	06-18-042-25W4	14-07-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57371	S-2	Operating	06-18-042-25W4	10-18-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57371	S-3	Operating	14-13-042-26W4	16-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57371	S-4	Operating	15-07-042-25W4	08-07-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-1	Discontinued	14-07-042-25W4	06-18-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-2	Discontinued	06-19-042-25W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-3	Discontinued	14-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-4	Operating	02-18-042-25W4	06-18-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-5	Operating	14-18-042-25W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-6	Operating	06-18-042-25W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-7	Discontinued	04-19-042-25W4	06-19-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57370	S-8	Operating	16-12-042-26W4	02-18-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57369	S-1	Discontinued	15-22-041-25W4	15-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57369	S-2	Discontinued	15-22-041-25W4	15-22-041-25W4	Red Deer

AlphaBow Energy Ltd. A7H2	P57366	S-1	Operating	16-02-043-26W4	14-02-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57365	S-1	Discontinued	12-01-043-26W4	16-02-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57365	S-2	Discontinued	08-02-043-26W4	16-34-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57365	S-3	Discontinued	06-01-043-26W4	16-34-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57365	S-4	Operating	08-34-042-26W4	14-26-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57365	S-5	Discontinued	14-34-042-26W4	15-34-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57364	S-1	Operating	06-25-042-26W4	08-26-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57364	S-2	Operating	08-24-042-26W4	14-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57363	S-1	Operating	08-24-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-1	Operating	06-24-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-2	Discontinued	16-26-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-3	Operating	06-25-042-26W4	14-26-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-4	Operating	06-25-042-26W4	12-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-5	Operating	06-26-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-6	Operating	06-25-042-26W4	15-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-7	Operating	16-24-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-8	Operating	06-25-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-9	Discontinued	06-25-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-10	Discontinued	02-25-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-11	Operating	16-23-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-12	Operating	10-24-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-13	Operating	15-24-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-14	Operating	16-23-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-15	Operating	14-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-16	Operating	14-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P57362	S-17	Operating	03-26-042-26W4	16-23-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P56757	S-1	Operating	12-28-040-01W4	08-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56757	S-2	Operating	08-28-040-01W4	10-21-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56757	S-3	Operating	13-27-040-01W4	13-27-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56757	S-4	Operating	05-28-040-01W4	06-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56757	S-5	Operating	12-28-040-01W4	05-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56757	S-6	Operating	12-28-040-01W4	11-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P56236	S-1	Operating	08-24-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P55343	S-1	Operating	01-17-040-13W4	01-17-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P55217	S-1	Discontinued	06-34-040-25W4	12-34-040-25W4	Red Deer

AlphaBow Energy Ltd. A7H2	P55217	S-2	Discontinued	12-34-040-25W4	11-03-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P55158	S-1	Operating	13-29-039-12W4	12-28-039-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P55087	S-1	Discontinued	03-23-040-13W4	06-23-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54893	S-1	Discontinued	02-32-040-10W4	09-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-1	Operating	11-19-051-13W4	06-31-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-2	Operating	06-31-051-13W4	11-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-4	Operating	07-34-052-14W4	05-22-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-5	Operating	05-22-052-14W4	11-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-8	Operating	10-24-051-14W4	06-36-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-9	Discontinued	10-26-051-14W4	06-36-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-10	Operating	11-05-053-14W4	08-05-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-11	Operating	08-05-053-14W4	14-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-12	Operating	11-12-052-14W4	11-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-13	Operating	06-14-052-14W4	06-14-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-15	Operating	07-34-051-14W4	11-27-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-16	Operating	11-27-051-14W4	11-22-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-18	Operating	10-28-051-15W4	10-28-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-19	Operating	06-29-051-14W4	11-22-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-20	Operating	02-25-051-15W4	06-29-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-21	Operating	04-25-051-15W4	02-25-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-22	Operating	06-32-051-14W4	06-29-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-23	Operating	11-21-051-14W4	11-21-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-24	Operating	14-29-051-14W4	14-29-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-25	Discontinued	06-03-052-14W4	06-02-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-26	Operating	10-21-051-15W4	07-26-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-28	Operating	06-35-052-14W4	07-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-29	Operating	06-06-053-14W4	11-05-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-30	Operating	12-27-052-14W4	11-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-31	Operating	12-26-052-14W4	11-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-32	Operating	11-05-052-13W4	11-06-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-33	Operating	06-07-052-13W4	11-07-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-34	Operating	14-34-052-14W4	14-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-35	Operating	08-06-053-14W4	12-05-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-36	Operating	10-11-052-14W4	11-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-37	Operating	11-27-052-14W4	05-22-052-14W4	Wainwright



AlphaBow Energy Ltd. A7H2	P54765	S-40	Operating	12-04-052-13W4	11-05-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-41	Operating	04-04-053-14W4	04-04-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-42	Operating	08-28-052-14W4	12-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-43	Operating	15-06-051-13W4	16-06-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-44	Operating	07-21-051-13W4	06-21-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-49	Operating	01-13-052-14W4	08-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-50	Operating	03-24-052-14W4	02-24-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-51	Operating	06-31-051-13W4	06-31-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-52	Operating	03-05-053-14W4	11-05-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-53	Operating	09-33-052-14W4	14-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-54	Operating	08-04-051-13W4	08-04-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-55	Operating	14-34-052-14W4	11-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-56	Discontinued	10-36-049-13W4	12-36-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-57	Discontinued	16-11-049-12W4	08-11-049-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-60	Discontinued	06-36-050-13W4	14-36-050-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-61	Discontinued	09-36-050-13W4	09-35-050-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-62	Discontinued	07-21-050-12W4	08-21-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-64	Operating	15-15-051-14W4	11-22-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-65	Operating	11-19-051-13W4	10-24-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-66	Discontinued	15-24-050-12W4	16-24-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-67	Operating	08-22-050-12W4	02-22-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-68	Discontinued	14-01-045-11W4	14-01-045-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-69	Operating	12-28-052-12W4	10-29-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-70	Operating	11-22-051-14W4	10-23-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-71	Operating	06-16-053-15W4	06-16-053-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-72	Operating	10-10-054-17W4	01-10-054-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-74	Operating	07-01-055-15W4	07-01-055-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-75	Operating	16-36-051-14W4	16-36-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-76	Operating	14-31-051-13W4	16-36-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-77	Operating	02-19-054-17W4	01-13-054-18W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-78	Discontinued	12-13-052-14W4	06-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-79	Operating	15-17-050-12W4	14-17-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-80	Operating	06-32-052-14W4	06-32-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-81	Operating	06-33-052-14W4	06-33-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-82	Discontinued	07-34-052-14W4	07-34-052-14W4	Wainwright

AlphaBow Energy Ltd. A7H2	P54765	S-83	Operating	16-30-052-14W4	07-31-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-84	Operating	06-35-053-15W4	11-35-053-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-85	Operating	08-32-052-14W4	08-32-052-14W5	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-87	Discontinued	14-34-054-15W4	07-01-055-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-88	Operating	15-32-052-12W4	10-32-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-89	Operating	16-14-048-12W4	14-14-048-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-91	Operating	16-34-052-14W4	16-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-92	Operating	14-14-054-15W4	09-22-054-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-93	Discontinued	02-17-055-18W4	07-08-055-18W4	Edmonton
AlphaBow Energy Ltd. A7H2	P54765	S-94	Operating	11-27-052-14W4	11-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-96	Operating	06-22-052-14W4	03-22-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-97	Operating	09-15-050-12W4	01-22-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-98	Operating	01-12-053-15W4	06-06-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-99	Discontinued	08-31-054-18W4	06-32-054-18W4	Edmonton
AlphaBow Energy Ltd. A7H2	P54765	S-100	Operating	09-15-050-12W4	09-15-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-103	Operating	08-32-053-16W4	10-32-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-104	Operating	16-24-053-17W4	08-23-053-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-105	Operating	05-36-053-15W4	12-36-053-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-106	Operating	10-14-052-12W4	11-15-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-108	Discontinued	05-04-054-14W4	05-04-054-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-109	Discontinued	05-01-055-15W4	05-01-055-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-111	Operating	01-20-050-12W4	15-17-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-113	Operating	06-36-051-14W4	16-36-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-117	Operating	06-18-053-16W4	05-18-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-118	Operating	05-32-051-14W4	05-32-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-119	Operating	14-11-052-14W4	10-11-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-120	Operating	03-23-052-14W4	13-14-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-121	Operating	13-14-052-14W4	16-15-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-123	Operating	06-06-054-17W4	03-06-054-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-125	Operating	05-27-052-14W4	06-27-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-126	Operating	15-10-053-16W4	15-10-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-127	Discontinued	10-10-053-15W4	07-15-053-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-128	Operating	05-04-053-16W4	04-05-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-129	Discontinued	14-34-052-14W4	07-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-130	Operating	08-21-051-13W4	07-21-051-13W4	Wainwright



AlphaBow Energy Ltd. A7H2	P54765	S-131	Operating	16-34-051-14W4	07-34-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-132	Operating	05-17-053-16W4	07-17-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-133	Operating	10-28-051-15W4	10-27-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54765	S-135	Operating	10-24-052-14W4	08-24-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54764	S-1	Discontinued	15-27-040-25W4	06-34-040-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P54763	S-1	Discontinued	06-23-041-25W4	16-23-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P54424	S-1	Operating	12-28-040-01W4	12-28-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P54163	S-7	Discontinued	14-28-040-12W4	13-28-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P53908	S-1	Operating	13-28-055-19W5	09-29-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P53888	S-1	Operating	01-22-053-19W5	03-22-053-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P53535	S-1	Operating	13-13-061-21W5	05-13-061-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P53511	S-1	Discontinued	12-06-045-18W4	05-06-045-18W4	Edmonton
AlphaBow Energy Ltd. A7H2	P53122	S-1	Operating	15-24-042-26W4	14-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P53122	S-2	Operating	14-24-042-26W4	16-23-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P53121	S-1	Operating	08-24-042-26W4	06-25-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P53121	S-2	Operating	15-13-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P52825	S-1	Discontinued	10-31-052-27W5	06-31-052-27W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P52825	S-2	Discontinued	16-17-053-01W6	09-21-053-01W6	Drayton Valley
AlphaBow Energy Ltd. A7H2	P52330	S-1	Operating	07-31-040-09W4	13-30-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52330	S-2	Operating	12-15-040-08W4	14-17-040-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52330	S-3	Operating	06-29-040-09W4	07-31-040-09W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52330	S-9	Operating	05-15-040-08W4	12-15-040-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52330	S-10	Operating	14-17-040-08W4	06-29-040-09W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52277	S-1	Operating	07-13-042-26W4	14-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P52216	S-1	Operating	09-29-040-10W4	13-30-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52216	S-2	Operating	04-27-040-10W4	12-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P52216	S-3	Operating	12-28-040-10W4	09-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P51780	S-1	Operating	06-02-059-22W5	11-02-059-22W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51684	S-1	Operating	16-27-040-13W4	04-35-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P51614	S-1	Discontinued	10-12-041-15W4	15-12-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P51590	S-1	Operating	09-12-060-23W5	08-12-060-23W5	Grande Prairie
AlphaBow Energy Ltd. A7H2	P51590	S-2	Operating	04-21-059-22W5	13-16-059-22W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51590	S-3	Discontinued	01-13-060-23W5	01-13-060-23W5	Grande Prairie
AlphaBow Energy Ltd. A7H2	P51571	S-1	Discontinued	06-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P51571	S-3	Operating	06-03-030-11W4	03-03-030-11W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P51571	S-4	Discontinued	03-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P51571	S-5	Discontinued	01-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P51571	S-6	Operating	06-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P51571	S-8	Discontinued	06-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P51416	S-1	Operating	02-22-057-20W5	03-22-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51416	S-2	Discontinued	11-22-057-20W5	03-22-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51416	S-4	Discontinued	04-34-057-20W5	01-33-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51416	S-5	Discontinued	03-33-057-20W5	01-33-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P51350	S-1	Discontinued	16-10-041-08W4	15-15-041-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P51302	S-2	Discontinued	07-12-040-07W4	01-13-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P51232	S-2	Operating	09-06-036-20W4	01-06-036-20W4	Red Deer
AlphaBow Energy Ltd. A7H2	P51184	S-1	Operating	15-21-042-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50590	S-1	Discontinued	16-16-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-4	Operating	15-21-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-6	Operating	03-21-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-7	Discontinued	06-15-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-8	Operating	04-15-056-19W5	06-15-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-11	Discontinued	12-02-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-12	Discontinued	12-02-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50590	S-13	Operating	07-10-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50582	S-1	Operating	16-20-036-21W4	14-20-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-2	Operating	14-20-036-21W4	07-20-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-3	Operating	07-20-036-21W4	08-20-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-4	Operating	08-19-036-21W4	06-20-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-5	Operating	16-19-036-21W4	08-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-6	Operating	06-19-036-21W4	07-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-7	Operating	06-20-036-21W4	07-20-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50582	S-8	Operating	08-20-036-21W4	05-21-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P50510	S-1	Operating	07-03-053-14W4	08-03-053-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P50467	S-2	Discontinued	10-11-041-12W4	07-11-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P50467	S-3	Discontinued	03-11-041-12W4	07-11-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P50467	S-4	Discontinued	07-11-041-12W4	07-11-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P50451	S-1	Operating	03-22-057-20W5	06-22-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50451	S-2	Discontinued	01-33-057-20W5	05-33-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P50429	S-1	Operating	14-01-079-06W4	16-01-079-06W4	Bonnyville

AlphaBow Energy Ltd. A7H2	P50412	S-1	Operating	10-07-063-10W4	11-17-063-10W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P50412	S-2	Discontinued	04-08-063-10W4	10-07-063-10W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P49977	S-6	Discontinued	02-33-040-07W4	10-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P49466	S-1	Operating	15-32-057-15W4	14-32-057-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P48691	S-1	Operating	07-30-049-11W4	08-30-049-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P48422	S-1	Operating	14-11-031-14W4	10-11-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P48422	S-2	Operating	10-11-031-14W4	08-11-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P48422	S-3	Operating	08-11-031-14W4	08-11-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P48390	S-1	Discontinued	13-33-025-14W4	15-33-025-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P48383	S-1	Operating	01-13-061-21W5	16-13-061-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P48256	S-24	Operating	01-09-031-25W4	10-09-031-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P48256	S-25	Operating	14-09-031-25W4	10-09-031-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P48256	S-26	Operating	16-09-031-25W4	06-09-031-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P48256	S-36	Discontinued	06-29-031-26W4	07-29-031-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P48145	S-1	Discontinued	10-14-055-18W5	07-15-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P48074	S-1	Discontinued	15-06-041-11W4	09-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P47959	S-1	Discontinued	16-12-060-12W4	01-24-060-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P47937	S-1	Operating	13-06-058-16W4	09-36-057-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P47915	S-2	Discontinued	09-25-032-11W4	08-25-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P47915	S-3	Discontinued	09-05-033-10W4	11-05-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P47915	S-4	Discontinued	14-04-033-10W4	09-05-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P47468	S-1	Discontinued	03-04-039-25W4	02-30-039-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47342	S-1	Operating	01-13-061-21W5	12-14-061-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P47003	S-1	Operating	09-35-036-25W4	13-36-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47003	S-2	Operating	11-01-037-25W4	01-01-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47003	S-3	Operating	11-36-036-25W4	13-36-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47003	S-4	Operating	06-26-036-25W4	15-26-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47003	S-5	Operating	15-26-036-25W4	01-35-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P47003	S-12	Operating	07-11-037-23W4	07-11-037-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P46907	S-1	Operating	11-02-060-21W5	11-36-059-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46836	S-1	Discontinued	09-13-013-05W4	08-13-013-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46834	S-1	Discontinued	09-15-013-05W4	12-14-013-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46630	S-1	Discontinued	05-28-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46630	S-2	Discontinued	05-28-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46630	S-3	Discontinued	09-29-040-10W4	05-28-040-10W4	Wainwright

AlphaBow Energy Ltd. A7H2	P46630	S-4	Discontinued	01-28-040-10W4	08-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46630	S-5	Discontinued	01-28-040-10W4	08-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46369	S-1	Operating	07-30-024-19W4	12-30-024-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P46369	S-2	Discontinued	08-19-024-19W4	07-30-024-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P46369	S-3	Discontinued	14-18-024-19W4	08-19-024-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P46369	S-4	Operating	05-30-024-19W4	12-30-024-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P46369	S-5	Operating	12-30-024-19W4	05-30-024-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P46369	S-6	Operating	12-30-024-19W4	10-25-024-20W4	Calgary
AlphaBow Energy Ltd. A7H2	P46360	S-1	Operating	14-04-060-21W5	04-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-2	Operating	04-09-060-21W5	10-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-3	Operating	10-07-060-21W5	10-07-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-4	Operating	10-07-060-21W5	07-08-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-5	Operating	08-07-060-21W5	10-07-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-7	Operating	04-09-060-21W5	07-08-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-8	Operating	10-09-060-21W5	15-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-9	Operating	07-08-060-21W5	10-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-10	Operating	14-04-060-21W5	04-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-11	Operating	01-08-060-21W5	01-08-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-12	Operating	12-09-060-21W5	06-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46360	S-13	Operating	15-09-060-21W5	15-09-060-21W5	Edmonton
AlphaBow Energy Ltd. A7H2	P46344	S-1	Operating	03-03-030-11W4	15-34-029-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-1	Discontinued	14-06-033-11W4	16-06-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46236	S-2	Discontinued	08-06-033-11W4	07-06-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P46236	S-3	Discontinued	05-31-032-11W4	16-31-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-4	Discontinued	13-31-032-11W4	16-31-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-5	Operating	14-10-032-13W4	16-10-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-6	Operating	08-10-032-13W4	01-10-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-7	Operating	13-07-032-12W4	16-07-032-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-11	Operating	06-02-032-13W4	08-02-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-12	Operating	14-02-032-13W4	08-02-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-13	Operating	16-02-032-13W4	08-02-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-14	Operating	08-11-032-13W4	16-11-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-15	Operating	14-11-032-13W4	16-11-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-22	Operating	06-06-032-13W4	11-31-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-23	Operating	08-06-032-13W4	11-31-031-13W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P46236	S-24	Operating	14-06-032-13W4	06-06-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-25	Operating	16-06-032-13W4	08-06-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-26	Operating	06-26-031-14W4	04-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-27	Operating	08-26-031-14W4	02-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-28	Operating	13-26-031-14W4	12-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-29	Operating	16-26-031-14W4	10-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-30	Operating	02-25-031-14W4	10-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-31	Operating	04-25-031-14W4	10-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46236	S-32	Operating	12-25-031-14W4	10-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P46214	S-1	Operating	09-06-065-12W4	09-06-065-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P46189	S-1	Discontinued	05-32-038-25W4	03-04-039-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45895	S-1	Operating	02-10-053-16W4	16-03-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P45824	S-1	Operating	12-34-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45481	S-1	Operating	05-30-039-25W4	04-17-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45480	S-1	Discontinued	05-30-039-25W4	02-05-040-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45412	S-1	Operating	13-19-039-25W4	16-24-039-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45412	S-2	Operating	13-19-039-25W4	05-30-039-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45411	S-1	Operating	05-30-039-25W4	16-24-039-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P45393	S-1	Operating	15-14-012-05W4	16-14-012-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-2	Discontinued	16-18-013-04W4	09-18-013-04W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-5	Discontinued	15-34-010-05W4	07-02-011-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-8	Operating	08-13-012-05W4	11-13-012-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-9	Discontinued	12-05-012-04W4	15-06-012-04W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-10	Discontinued	15-06-012-04W4	10-36-011-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45393	S-11	Operating	14-21-012-04W4	11-21-012-04W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P45303	S-1	Discontinued	09-16-029-18W4	05-15-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P45053	S-1	Discontinued	11-28-062-12W4	05-28-062-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P45053	S-2	Discontinued	04-23-062-12W4	07-21-062-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P45051	S-1	Discontinued	16-34-060-15W4	07-03-061-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P45038	S-1	Discontinued	04-25-062-12W4	04-23-062-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P44978	S-13	Discontinued	08-08-036-07W4	07-08-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44978	S-14	Discontinued	08-08-036-07W4	07-08-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44968	S-1	Operating	06-24-013-12W4	14-24-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-2	Operating	16-14-013-12W4	08-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-4	Operating	14-12-013-12W4	08-14-013-12W4	Medicine Hat



AlphaBow Energy Ltd. A7H2	P44968	S-5	Operating	08-08-013-11W4	06-08-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-6	Operating	08-09-013-11W4	06-09-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-7	Operating	06-09-013-11W4	08-08-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-8	Operating	16-09-013-11W4	14-09-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-9	Operating	14-09-013-11W4	16-08-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-10	Operating	14-08-013-11W4	16-07-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-11	Operating	06-08-013-11W4	08-07-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-12	Operating	16-07-013-11W4	14-07-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-13	Operating	16-08-013-11W4	14-08-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-14	Operating	08-16-013-11W4	16-09-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-15	Operating	16-08-013-11W4	05-16-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-16	Operating	11-10-013-11W4	08-09-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-17	Operating	04-15-013-11W4	01-16-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-18	Operating	05-16-013-11W4	13-16-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-19	Operating	16-12-013-12W4	14-12-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-20	Operating	08-07-013-11W4	06-07-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-21	Operating	06-07-013-11W4	14-07-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-22	Operating	02-20-013-11W4	06-20-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-23	Operating	16-18-013-11W4	08-19-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-24	Operating	14-05-013-11W4	06-08-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-25	Operating	14-07-013-11W4	16-12-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-26	Operating	16-05-013-11W4	14-05-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-27	Operating	14-04-013-11W4	16-05-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-28	Operating	03-10-013-11W4	05-10-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44968	S-29	Operating	13-16-013-11W4	01-19-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44873	S-1	Operating	01-01-029-19W4	01-02-029-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P44796	S-1	Discontinued	16-34-039-17W4	16-03-040-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44755	S-1	Discontinued	01-16-040-10W4	07-09-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44755	S-3	Discontinued	05-16-040-10W4	05-16-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44439	S-1	Operating	06-17-041-15W4	15-17-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P44299	S-1	Discontinued	10-27-032-11W4	06-27-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44299	S-2	Discontinued	06-29-032-11W4	10-29-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44299	S-3	Discontinued	10-29-032-11W4	10-32-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44299	S-4	Discontinued	16-29-032-11W4	10-29-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P44257	S-1	Discontinued	14-30-036-07W4	07-31-036-07W4	Wainwright

AlphaBow Energy Ltd. A7H2	P44257	S-2	Discontinued	07-31-036-07W4	10-31-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43883	S-1	Operating	05-05-014-12W4	13-35-014-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43825	S-4	Operating	08-23-031-14W4	16-23-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43825	S-5	Operating	16-23-031-14W4	14-23-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43825	S-6	Operating	14-23-031-14W4	06-23-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43804	S-1	Operating	12-03-065-12W4	06-03-065-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P43757	S-1	Discontinued	16-11-018-21W4	10-06-018-20W4	Calgary
AlphaBow Energy Ltd. A7H2	P43757	S-2	Discontinued	10-06-018-20W4	01-05-018-20W4	Calgary
AlphaBow Energy Ltd. A7H2	P43748	S-1	Discontinued	16-19-040-07W4	10-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-2	Discontinued	07-20-040-07W4	10-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-3	Discontinued	10-20-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-4	Operating	08-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-5	Operating	07-21-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-6	Operating	04-22-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-7	Operating	07-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-8	Operating	03-22-040-07W4	04-22-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-9	Operating	07-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-10	Operating	01-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-11	Operating	15-16-040-07W4	16-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-12	Operating	16-16-040-07W4	01-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-13	Operating	15-16-040-07W4	16-16-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-14	Discontinued	09-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-15	Operating	09-20-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43748	S-16	Discontinued	07-20-040-07W4	07-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43730	S-1	Discontinued	13-21-040-07W4	12-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43711	S-1	Discontinued	13-17-039-15W4	14-16-039-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43623	S-1	Discontinued	04-24-039-11W4	01-23-039-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-1	Operating	06-24-034-10W4	08-23-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-2	Operating	08-23-034-10W4	16-14-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-3	Operating	16-14-034-10W4	06-14-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-4	Operating	06-14-034-10W4	16-11-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-5	Operating	06-12-034-10W4	16-11-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-6	Operating	06-11-034-10W4	16-11-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-7	Operating	16-03-034-10W4	06-11-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-8	Operating	06-15-034-10W4	16-15-034-10W4	Wainwright



AlphaBow Energy Ltd. A7H2	P43572	S-9	Operating	16-15-034-10W4	04-23-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-10	Operating	04-23-034-10W4	01-22-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-11	Operating	01-22-034-10W4	06-22-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-12	Operating	06-22-034-10W4	08-21-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-13	Operating	08-21-034-10W4	06-21-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-14	Operating	06-21-034-10W4	16-16-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-15	Operating	16-16-034-10W4	06-16-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-16	Operating	06-16-034-10W4	09-09-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-17	Operating	06-09-034-10W4	09-09-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-18	Operating	06-20-034-10W4	02-20-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-19	Operating	02-20-034-10W4	15-17-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-20	Operating	16-17-034-10W4	15-17-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-21	Operating	15-17-034-10W4	05-17-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-22	Operating	05-17-034-10W4	16-07-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-23	Operating	16-11-034-10W4	09-09-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-24	Operating	09-09-034-10W4	16-07-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-25	Operating	16-07-034-10W4	06-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-27	Operating	06-14-034-11W4	16-14-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-28	Operating	16-14-034-11W4	14-13-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-29	Operating	16-13-034-11W4	06-13-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-30	Operating	06-13-034-11W4	02-13-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-31	Operating	02-13-034-11W4	10-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-32	Operating	10-12-034-11W4	06-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-33	Operating	06-01-034-11W4	06-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-34	Operating	09-01-034-11W4	06-01-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-35	Operating	06-12-034-11W4	06-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-36	Operating	06-08-034-11W4	05-11-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-37	Operating	06-07-034-10W4	16-07-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-38	Operating	08-12-034-11W4	08-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-39	Operating	14-12-034-11W4	10-12-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-40	Operating	14-13-034-11W4	14-13-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-41	Operating	08-14-034-11W4	06-14-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-42	Operating	14-07-034-10W4	16-07-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43572	S-43	Operating	02-23-034-11W4	16-14-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P43487	S-1	Discontinued	14-11-028-18W4	01-11-028-18W4	Calgary

AlphaBow Energy Ltd. A7H2	P43487	S-2	Operating	01-11-028-18W4	14-02-028-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P43279	S-1	Operating	16-19-036-21W4	08-30-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P43170	S-1	Operating	07-19-042-25W4	11-20-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P43074	S-1	Operating	06-20-013-11W4	08-19-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-2	Operating	08-19-013-11W4	06-19-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-3	Operating	06-24-013-12W4	08-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-4	Operating	08-23-013-12W4	16-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-5	Operating	16-23-013-12W4	15-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-6	Operating	02-26-013-12W4	15-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-7	Operating	16-14-013-12W4	14-14-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-8	Operating	14-14-013-12W4	06-23-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-9	Operating	16-22-013-12W4	14-22-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-10	Operating	14-13-013-12W4	16-14-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-11	Operating	06-23-013-12W4	08-22-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-12	Operating	06-22-013-12W4	14-22-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-13	Operating	08-20-013-11W4	06-20-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-14	Operating	06-19-013-11W4	08-24-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-15	Operating	08-14-013-12W4	16-14-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-16	Operating	08-22-013-12W4	06-22-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-17	Operating	14-22-013-12W4	16-21-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-18	Operating	16-21-013-12W4	14-21-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-19	Operating	16-18-013-11W4	14-18-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-20	Operating	14-07-013-11W4	08-18-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-21	Operating	08-13-013-12W4	06-13-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-22	Operating	06-13-013-12W4	08-14-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-23	Operating	16-13-013-12W4	14-13-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-24	Operating	08-24-013-12W4	06-24-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-25	Operating	08-26-013-12W4	06-26-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-26	Operating	08-29-013-12W4	16-29-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-27	Operating	08-18-013-11W4	11-18-013-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-28	Operating	11-18-013-11W4	08-13-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-29	Operating	16-24-013-12W4	14-24-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-30	Operating	14-24-013-12W4	06-25-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-31	Operating	06-25-013-12W4	08-26-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-32	Operating	06-26-013-12W4	12-26-013-12W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P43074	S-33	Operating	09-27-013-12W4	12-26-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-34	Operating	12-26-013-12W4	13-26-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-35	Operating	16-27-013-12W4	14-27-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-36	Operating	14-29-013-12W4	16-29-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-37	Operating	13-35-014-12W4	13-35-014-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-38	Operating	15-23-013-12W4	16-22-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-39	Operating	14-26-013-12W4	16-27-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-40	Operating	14-21-013-12W4	08-29-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-42	Operating	14-18-013-11W4	16-13-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-43	Operating	14-27-013-12W4	16-29-013-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P43074	S-44	Operating	16-29-013-12W4	05-05-014-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P42852	S-1	Discontinued	16-16-034-11W4	06-16-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P42809	S-1	Operating	06-23-031-14W4	10-14-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P42797	S-1	Operating	06-27-049-13W4	03-26-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P42758	S-1	Discontinued	10-29-042-17W4	01-31-042-17W4	Wainwright
AlphaBow Energy Ltd. A7H2	P42695	S-18	Discontinued	10-34-036-25W4	14-34-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42563	S-1	Discontinued	10-29-027-11W4	06-05-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P42563	S-2	Discontinued	01-29-027-11W4	10-29-027-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P42563	S-3	Discontinued	13-28-027-11W4	10-29-027-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P42404	S-1	Operating	08-01-037-25W4	01-01-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-2	Operating	01-35-036-25W4	04-36-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-4	Operating	09-36-036-25W4	02-36-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-5	Operating	02-36-036-25W4	09-36-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-7	Operating	08-02-037-25W4	01-02-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-8	Operating	08-20-036-25W4	12-21-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-10	Operating	13-36-036-25W4	01-01-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42404	S-11	Operating	09-02-037-25W4	01-02-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42046	S-1	Operating	08-04-043-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42046	S-2	Discontinued	05-03-043-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42046	S-3	Operating	10-04-043-28W4	08-04-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42036	S-1	Discontinued	10-32-040-25W4	04-04-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42036	S-2	Discontinued	14-32-040-25W4	10-32-040-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P42036	S-3	Operating	04-04-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P41957	S-1	Operating	09-32-050-11W4	12-33-050-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41928	S-2	Operating	04-30-051-15W4	08-25-051-16W4	Wainwright

AlphaBow Energy Ltd. A7H2	P41928	S-3	Operating	05-31-051-15W4	05-30-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41928	S-4	Operating	15-30-051-15W4	13-30-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41928	S-7	Discontinued	12-31-051-15W4	05-31-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41687	S-1	Discontinued	05-28-040-10W4	05-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41659	S-1	Discontinued	06-13-050-15W4	01-13-050-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41647	S-1	Operating	04-25-041-25W4	03-25-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P41603	S-1	Discontinued	14-29-051-15W4	06-29-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41603	S-5	Operating	05-08-052-15W4	01-07-052-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41442	S-1	Discontinued	13-04-050-06W4	01-08-050-06W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41442	S-2	Operating	16-28-050-06W4	03-34-050-06W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41442	S-3	Discontinued	16-27-050-07W4	01-34-050-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41442	S-4	Discontinued	12-28-050-06W4	16-28-050-06W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41330	S-1	Discontinued	05-34-050-10W4	02-04-051-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41330	S-3	Operating	13-33-050-10W4	16-36-050-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41330	S-5	Operating	05-34-050-10W4	06-34-050-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41330	S-6	Discontinued	09-28-050-10W4	05-34-050-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41309	S-1	Discontinued	01-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41309	S-2	Discontinued	08-04-040-12W4	11-03-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41242	S-1	Discontinued	16-31-026-09W4	09-31-026-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P41215	S-1	Operating	07-20-052-12W4	09-20-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41215	S-2	Operating	14-21-052-12W4	12-21-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P41051	S-1	Operating	08-31-051-14W4	06-32-051-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P40769	S-1	Operating	06-03-043-28W4	05-02-043-01W5	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-2	Operating	14-03-043-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-3	Operating	03-01-043-28W4	14-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-4	Operating	06-03-043-28W4	14-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-5	Operating	14-03-043-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-6	Operating	10-03-043-28W4	06-03-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-8	Operating	12-01-043-28W4	09-02-043-28W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40769	S-10	Operating	06-34-043-27W4	06-34-043-27W4	Red Deer
AlphaBow Energy Ltd. A7H2	P40645	S-1	Operating	10-31-054-18W5	08-05-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P40533	S-1	Operating	06-18-028-10W4	02-23-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P40532	S-1	Operating	02-23-028-11W4	07-15-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P40517	S-1	Discontinued	15-24-027-12W4	04-30-027-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P40476	S-1	Discontinued	14-33-031-10W4	05-28-031-10W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P40476	S-2	Discontinued	01-33-031-10W4	03-33-031-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P40455	S-1	Operating	02-02-059-18W5	10-34-058-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P40427	S-3	Operating	06-34-040-01W4	08-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P40427	S-4	Operating	06-34-040-01W4	08-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P40427	S-7	Operating	08-33-040-01W4	08-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P40427	S-8	Operating	08-33-040-01W4	08-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P40307	S-1	Operating	09-07-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P40154	S-1	Operating	07-20-039-14W4	08-20-039-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39805	S-1	Operating	07-34-052-14W4	07-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39805	S-2	Operating	07-34-052-14W4	06-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39770	S-1	Discontinued	01-17-043-26W4	08-15-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P39604	S-1	Discontinued	16-32-039-12W4	10-32-039-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39553	S-1	Discontinued	04-08-079-12W4	04-17-079-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P39553	S-2	Discontinued	16-06-079-12W4	04-08-079-12W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P39553	S-3	Operating	14-25-078-15W4	15-34-078-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P39384	S-1	Operating	01-09-063-10W4	01-03-063-10W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P39384	S-2	Discontinued	06-25-062-11W4	10-19-062-10W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P39371	S-2	Operating	14-08-028-10W4	11-18-028-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P39371	S-3	Operating	04-17-028-10W4	04-17-028-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P39272	S-1	Discontinued	06-08-040-12W4	11-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39209	S-1	Operating	10-13-045-11W4	08-14-045-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39173	S-1	Operating	03-34-050-15W4	13-27-050-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39173	S-2	Operating	06-15-050-15W4	16-16-050-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-1	Operating	06-02-034-12W4	16-02-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-2	Operating	16-02-034-12W4	16-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-3	Operating	16-01-034-12W4	08-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-4	Operating	16-06-034-11W4	06-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-5	Operating	16-05-034-11W4	06-05-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-6	Operating	16-06-034-11W4	06-05-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-7	Operating	06-06-034-11W4	08-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-8	Operating	06-03-034-12W4	08-03-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-9	Operating	16-03-034-12W4	08-03-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-10	Operating	08-03-034-12W4	06-02-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-11	Operating	06-04-034-11W4	16-05-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-12	Operating	16-04-034-11W4	06-04-034-11W4	Wainwright



AlphaBow Energy Ltd. A7H2	P39143	S-13	Operating	07-09-034-11W4	16-04-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-14	Operating	16-09-034-11W4	07-09-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-15	Operating	06-15-034-11W4	16-09-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-16	Operating	16-15-034-11W4	06-15-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-17	Operating	08-02-034-12W4	09-02-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-18	Operating	14-03-034-12W4	06-03-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-19	Operating	14-01-034-12W4	14-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-20	Operating	08-05-034-11W4	10-05-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-21	Operating	14-04-034-11W4	12-04-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-22	Operating	13-06-034-11W4	06-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-23	Operating	13-15-034-11W4	06-15-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-24	Operating	06-23-034-11W4	16-15-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-25	Operating	08-23-034-11W4	06-23-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-26	Operating	08-09-034-11W4	07-09-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-27	Operating	14-02-034-12W4	16-03-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-28	Operating	08-15-034-11W4	16-15-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-29	Operating	14-14-034-11W4	16-15-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39143	S-30	Operating	08-04-034-11W4	16-04-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P39121	S-3	Operating	12-08-028-17W4	02-05-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P39121	S-4	Discontinued	15-07-028-17W4	12-08-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P39121	S-5	Operating	14-17-027-17W4	04-20-027-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P38974	S-1	Discontinued	11-13-026-11W4	10-13-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P38974	S-2	Discontinued	12-23-026-11W4	11-23-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P38974	S-3	Discontinued	05-35-026-11W4	06-35-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P38936	S-1	Operating	06-03-004-05W4	08-04-004-05W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P38929	S-1	Operating	02-32-040-11W4	11-03-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38929	S-2	Discontinued	06-14-040-12W4	16-14-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38929	S-3	Operating	06-24-040-12W4	03-24-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38929	S-4	Operating	15-03-040-12W4	15-03-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38929	S-5	Operating	14-13-040-12W4	16-14-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38863	S-1	Operating	12-12-040-12W4	16-11-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38863	S-2	Discontinued	08-01-040-12W4	09-01-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38803	S-1	Discontinued	16-34-052-16W4	06-11-053-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38781	S-1	Operating	07-29-031-26W4	07-29-031-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P38681	S-1	Discontinued	14-30-040-01W4	14-30-040-01W4	Wainwright



AlphaBow Energy Ltd. A7H2	P38559	S-1	Discontinued	13-14-040-10W4	13-14-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-2	Discontinued	01-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-3	Discontinued	15-22-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-4	Discontinued	09-22-040-10W4	16-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-5	Discontinued	04-23-040-10W4	13-14-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-6	Discontinued	16-22-040-10W4	15-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38559	S-7	Discontinued	13-14-040-10W4	01-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P38348	S-1	Discontinued	06-14-066-22W5	10-11-066-22W5	Grande Prairie
AlphaBow Energy Ltd. A7H2	P37666	S-1	Discontinued	06-09-031-09W4	05-04-031-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37666	S-2	Discontinued	05-04-031-09W4	07-03-031-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37666	S-3	Discontinued	16-04-031-09W4	07-05-031-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37666	S-4	Discontinued	07-05-031-09W4	05-04-031-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37616	S-1	Operating	10-36-053-18W5	07-36-053-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P37601	S-1	Operating	03-03-026-16W4	06-03-026-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37599	S-1	Discontinued	03-28-051-12W4	10-21-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37599	S-2	Operating	16-20-051-12W4	04-21-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37430	S-1	Operating	08-07-029-18W4	10-12-029-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-2	Operating	14-07-029-18W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-3	Operating	14-08-029-18W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-4	Operating	07-07-029-18W4	07-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-5	Operating	13-05-029-18W4	04-08-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-6	Operating	11-05-029-18W4	13-05-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-7	Operating	16-05-029-18W4	13-05-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-8	Operating	04-04-029-18W4	11-05-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-9	Operating	01-36-028-19W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-10	Operating	11-33-028-18W4	04-04-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-11	Operating	12-04-029-18W4	04-04-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-12	Discontinued	05-15-029-18W4	14-08-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-13	Operating	07-07-029-18W4	05-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-14	Operating	11-34-028-18W4	11-33-028-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-15	Operating	08-34-028-18W4	11-34-028-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-16	Discontinued	01-03-029-18W4	11-34-028-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-18	Discontinued	14-07-029-18W4	14-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-19	Discontinued	14-36-028-19W4	01-01-029-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-20	Operating	05-07-029-18W4	12-07-029-18W4	Calgary

AlphaBow Energy Ltd. A7H2	P37430	S-21	Operating	10-01-029-19W4	06-01-029-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-22	Operating	06-01-029-19W4	01-01-029-19W4	Calgary
AlphaBow Energy Ltd. A7H2	P37430	S-23	Operating	06-08-029-18W4	05-08-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P37332	S-1	Discontinued	12-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37332	S-2	Operating	12-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37332	S-3	Discontinued	05-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37332	S-4	Operating	05-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37332	S-5	Discontinued	04-32-040-11W4	05-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37332	S-6	Discontinued	04-32-040-11W4	04-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P37145	S-1	Operating	13-31-052-19W5	05-32-052-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P37145	S-2	Operating	07-01-053-20W5	13-31-052-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P37098	S-1	Operating	11-15-041-25W4	06-15-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P37053	S-1	Operating	03-03-030-11W4	13-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37053	S-2	Operating	10-13-030-11W4	09-10-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37053	S-3	Operating	13-03-030-11W4	12-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P37053	S-5	Operating	09-10-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36860	S-1	Discontinued	14-16-032-13W4	11-16-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36860	S-2	Discontinued	16-16-032-13W4	09-16-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36860	S-3	Discontinued	09-16-032-13W4	09-16-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36860	S-4	Discontinued	06-16-032-13W4	11-16-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36719	S-1	Discontinued	02-29-056-19W5	07-29-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P36651	S-1	Operating	06-21-040-07W4	09-15-040-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P36651	S-4	Operating	05-15-040-08W4	05-15-040-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P36651	S-5	Operating	09-15-040-08W4	05-15-040-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P36536	S-1	Operating	02-19-053-20W5	13-16-053-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P36536	S-2	Operating	09-19-053-20W5	01-19-053-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P36413	S-1	Discontinued	16-31-032-11W4	07-06-033-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-1	Operating	16-33-011-10W4	04-29-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-2	Operating	10-36-011-11W4	11-31-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-3	Operating	06-21-011-10W4	04-29-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-5	Operating	06-33-011-10W4	04-29-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-6	Operating	07-29-011-10W4	04-29-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-7	Operating	04-29-011-10W4	03-17-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-8	Operating	11-09-012-10W4	16-33-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-11	Operating	11-31-011-10W4	04-29-011-10W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P36347	S-13	Operating	01-05-012-10W4	11-33-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-14	Operating	03-08-012-10W4	11-09-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-15	Operating	03-08-012-10W4	03-08-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-16	Operating	04-16-012-10W4	11-09-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-17	Operating	04-03-012-10W4	02-17-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-18	Operating	04-14-012-10W4	04-03-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-19	Operating	04-15-012-10W4	12-10-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-20	Operating	04-05-012-10W4	01-05-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-21	Operating	03-17-012-10W4	11-09-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-22	Operating	07-36-011-11W4	10-36-011-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-23	Operating	01-02-012-10W4	04-03-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-24	Operating	04-34-011-10W4	04-03-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-25	Operating	01-34-011-10W4	04-03-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-26	Operating	15-14-012-10W4	09-02-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-27	Operating	13-01-012-10W4	16-02-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-32	Operating	13-30-011-10W4	04-29-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-33	Operating	13-28-011-10W4	16-30-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-36	Operating	08-02-012-10W4	01-02-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-37	Operating	09-02-012-10W4	08-02-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-38	Operating	11-16-012-10W4	11-09-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36347	S-39	Operating	06-25-012-11W4	01-02-012-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P36078	S-4	Operating	16-06-033-26W4	02-07-033-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P35718	S-1	Discontinued	07-25-025-16W4	10-30-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35634	S-1	Operating	10-31-051-17W5	07-31-051-17W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P35521	S-1	Operating	06-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35502	S-4	Discontinued	13-34-043-26W4	12-34-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P35502	S-5	Discontinued	16-28-043-26W4	13-27-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P35488	S-1	Operating	08-07-053-18W5	10-07-053-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P35488	S-2	Operating	10-07-053-18W5	10-07-053-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P35462	S-1	Operating	06-31-032-12W4	07-35-032-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35379	S-3	Operating	10-26-026-11W4	11-25-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35379	S-4	Operating	07-14-026-11W4	11-24-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35327	S-1	Operating	03-16-025-15W4	11-27-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35327	S-2	Operating	08-26-025-15W4	11-27-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35327	S-3	Operating	05-30-025-14W4	08-26-025-14W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P35234	S-1	Operating	12-09-052-13W4	13-09-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-2	Operating	10-33-051-13W4	12-04-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-3	Discontinued	02-18-050-12W4	01-18-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-4	Discontinued	09-16-050-12W4	08-21-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-5	Operating	10-21-050-12W4	08-21-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-10	Operating	02-22-050-12W4	08-21-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-14	Operating	15-32-052-12W4	15-32-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-15	Operating	12-03-052-13W4	12-04-052-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-21	Operating	08-22-052-14W4	09-15-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-24	Discontinued	06-29-051-12W4	16-20-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-25	Discontinued	03-32-050-14W4	02-32-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-26	Operating	01-14-050-12W4	07-14-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-27	Discontinued	11-34-051-12W4	13-10-052-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-28	Operating	04-33-051-13W4	10-33-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-29	Discontinued	14-16-050-12W4	09-16-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-30	Discontinued	10-30-050-14W4	03-32-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35234	S-31	Operating	04-27-051-13W4	07-33-051-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35076	S-1	Discontinued	16-17-040-12W4	16-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P35073	S-1	Operating	10-08-057-20W5	06-10-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P35000	S-1	Operating	07-02-032-14W4	10-01-032-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P35000	S-2	Discontinued	10-01-032-14W4	07-02-032-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34980	S-1	Discontinued	15-06-041-11W4	14-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34961	S-1	Operating	01-28-029-16W4	08-34-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-2	Operating	13-16-029-16W4	01-28-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-3	Operating	13-06-029-16W4	13-16-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-4	Operating	08-01-029-17W4	13-06-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-5	Operating	13-26-028-17W4	08-01-029-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-6	Operating	08-27-028-17W4	13-26-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-7	Operating	06-06-029-16W4	14-06-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-8	Operating	08-34-028-17W4	13-26-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-9	Operating	02-27-028-17W4	05-26-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-10	Operating	07-04-029-17W4	08-34-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-11	Operating	02-04-029-17W4	16-33-028-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34961	S-12	Operating	11-08-029-17W4	07-04-029-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-1	Operating	04-01-006-19W4	08-02-008-19W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P34922	S-2	Operating	01-31-005-18W4	04-01-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-3	Operating	07-29-005-18W4	01-31-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-4	Operating	15-32-005-18W4	10-31-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-5	Operating	01-30-005-18W4	07-29-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-6	Operating	01-06-006-18W4	09-31-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34922	S-7	Operating	03-32-005-18W4	04-32-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34916	S-1	Operating	07-26-026-11W4	10-26-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-1	Operating	16-07-005-17W4	10-13-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-2	Operating	10-13-005-18W4	06-23-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-3	Operating	06-23-005-18W4	06-22-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-4	Operating	06-22-005-18W4	07-29-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-6	Operating	16-11-005-19W4	01-13-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-7	Operating	01-13-005-19W4	07-18-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-8	Operating	07-18-005-18W4	07-20-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-9	Operating	07-20-005-18W4	07-29-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-10	Operating	16-26-005-19W4	04-01-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-11	Operating	11-17-006-18W4	11-07-006-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-12	Operating	11-07-006-18W4	06-01-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-13	Operating	06-01-006-19W4	04-01-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-14	Operating	11-22-005-18W4	06-22-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-15	Operating	06-18-005-17W4	06-18-005-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-16	Operating	16-14-005-18W4	16-14-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-18	Operating	10-08-005-18W4	07-18-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-19	Operating	03-36-005-19W4	04-36-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-20	Operating	07-08-005-17W4	16-07-005-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-21	Operating	11-23-005-19W4	16-26-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-22	Operating	11-07-005-18W4	06-18-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-23	Operating	03-24-005-18W4	14-13-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-24	Operating	08-21-006-19W4	10-17-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-25	Operating	10-17-006-19W4	11-04-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-26	Operating	08-07-006-19W4	11-04-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-27	Operating	11-04-006-19W4	11-34-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-28	Operating	10-28-005-19W4	11-34-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-29	Operating	11-34-005-19W4	12-36-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-30	Operating	16-25-005-19W4	03-36-005-19W4	Medicine Hat



AlphaBow Energy Ltd. A7H2	P34911	S-31	Operating	16-15-005-18W4	06-23-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-32	Operating	14-21-005-18W4	13-21-005-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-33	Operating	11-18-006-19W4	08-07-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-34	Operating	13-04-005-17W4	07-08-005-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-36	Operating	04-05-006-19W4	09-05-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-37	Operating	06-35-005-19W4	11-35-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-38	Operating	06-24-005-19W4	11-23-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-39	Operating	12-08-006-18W4	11-07-006-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-41	Operating	06-19-005-18W4	06-24-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-42	Operating	01-04-005-17W4	13-04-005-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-43	Operating	07-18-006-18W4	07-18-006-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-44	Operating	07-20-006-19W4	10-17-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-45	Operating	08-33-005-19W4	01-33-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-46	Operating	15-05-006-18W4	12-08-006-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34911	S-47	Operating	06-26-005-19W4	06-26-005-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34909	S-1	Discontinued	15-34-034-10W4	02-27-034-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34909	S-3	Discontinued	05-02-033-11W4	06-34-032-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34909	S-4	Discontinued	15-34-032-11W4	15-34-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34909	S-5	Discontinued	07-13-033-11W4	09-15-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34909	S-6	Discontinued	01-33-032-11W4	04-34-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34909	S-11	Discontinued	16-06-033-11W4	07-06-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34909	S-12	Discontinued	15-28-032-11W4	01-33-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34909	S-13	Discontinued	11-34-032-11W4	06-34-032-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34786	S-1	Operating	11-02-025-15W4	08-10-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34786	S-2	Operating	08-10-025-15W4	06-10-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34662	S-1	Discontinued	06-22-026-11W4	06-23-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34662	S-2	Discontinued	08-25-026-11W4	11-25-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34662	S-3	Operating	11-13-026-11W4	04-13-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34662	S-4	Discontinued	09-30-026-10W4	08-25-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34662	S-5	Operating	14-14-026-11W4	06-23-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34652	S-1	Operating	12-15-031-15W4	04-16-031-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34652	S-2	Operating	12-22-031-15W4	12-15-031-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34652	S-3	Operating	13-27-031-15W4	12-22-031-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34652	S-4	Operating	06-04-031-15W4	02-04-031-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P3462	S-2	Discontinued	02-32-040-11W4	09-29-040-11W4	Wainwright



AlphaBow Energy Ltd. A7H2	P34600	S-4	Discontinued	12-03-030-11W4	06-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34600	S-8	Discontinued	03-03-030-11W4	03-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34589	S-1	Discontinued	08-04-033-10W4	08-04-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34589	S-2	Discontinued	06-03-033-10W4	08-04-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34575	S-1	Operating	01-27-025-15W4	02-27-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34569	S-1	Discontinued	08-04-033-10W4	08-04-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34569	S-2	Discontinued	11-33-032-10W4	13-34-032-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34569	S-3	Discontinued	08-04-033-10W4	08-04-033-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34538	S-1	Operating	15-20-025-15W4	14-20-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34457	S-1	Operating	12-16-051-12W4	11-33-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34457	S-2	Operating	04-21-051-12W4	12-16-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34457	S-3	Operating	11-33-050-12W4	06-33-050-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34397	S-1	Operating	12-33-034-11W4	03-31-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34397	S-2	Operating	08-33-034-11W4	12-33-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34397	S-3	Operating	06-34-034-11W4	08-33-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34392	S-1	Operating	05-36-009-21W4	02-31-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-2	Operating	02-31-009-20W4	09-30-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-3	Operating	09-30-009-20W4	14-28-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-4	Operating	14-28-009-20W4	07-04-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-5	Operating	16-27-009-21W4	06-26-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-6	Operating	06-26-009-21W4	01-25-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-7	Operating	01-25-009-21W4	03-30-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-8	Operating	10-19-009-20W4	09-30-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-9	Operating	14-14-009-19W4	10-22-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-10	Operating	10-22-009-19W4	12-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-11	Operating	15-15-010-20W4	15-15-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-12	Operating	15-15-010-20W4	12-11-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-13	Operating	12-11-010-20W4	07-12-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-14	Operating	07-12-010-20W4	15-01-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-15	Operating	10-01-010-20W4	15-01-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-16	Operating	15-01-010-20W4	12-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-17	Operating	11-31-009-19W4	12-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-19	Operating	10-12-010-20W4	07-12-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-20	Operating	07-04-010-20W4	11-03-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-21	Operating	04-17-010-20W4	04-09-010-20W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P34392	S-22	Operating	04-09-010-20W4	14-03-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-23	Operating	11-03-010-20W4	14-03-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-24	Operating	16-35-009-20W4	10-01-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-25	Operating	14-03-010-20W4	14-01-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-26	Operating	11-36-009-20W4	11-31-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-27	Operating	11-17-009-20W4	10-19-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-28	Operating	16-34-009-20W4	16-35-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-31	Operating	10-04-009-19W4	11-09-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-32	Operating	07-32-008-19W4	10-04-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-33	Operating	11-09-009-19W4	12-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-34	Operating	13-07-010-20W4	04-17-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-36	Operating	09-33-009-19W4	12-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-37	Operating	12-24-009-19W4	09-33-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-41	Operating	09-36-009-19W4	01-36-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-42	Operating	15-33-009-21W4	06-34-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-43	Operating	06-34-009-21W4	16-27-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-46	Operating	09-24-010-20W4	15-15-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-47	Operating	09-23-010-20W4	09-23-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-48	Operating	02-26-009-21W4	07-26-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-49	Operating	11-08-010-20W4	11-08-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-50	Operating	03-33-008-19W4	07-32-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-51	Operating	05-18-010-20W4	13-07-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-52	Operating	03-26-010-20W4	12-23-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-54	Operating	05-02-010-20W4	13-02-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-55	Operating	16-14-010-21W4	03-14-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-56	Operating	16-14-009-21W4	06-24-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-57	Operating	06-24-009-21W4	01-25-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-58	Operating	11-18-009-20W4	10-19-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-59	Operating	16-06-010-20W4	11-08-010-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-60	Operating	08-02-010-21W4	05-36-009-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-61	Operating	04-08-009-20W4	11-17-009-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-62	Operating	12-05-010-19W4	03-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-63	Operating	01-17-009-19W4	11-09-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-64	Operating	04-19-009-18W4	12-24-009-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34392	S-65	Operating	01-36-009-19W4	13-25-009-19W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P34389	S-1	Discontinued	10-11-066-22W5	10-11-066-22W5	Grande Prairie
AlphaBow Energy Ltd. A7H2	P34389	S-2	Discontinued	08-15-066-22W5	07-14-066-22W5	Grande Prairie
AlphaBow Energy Ltd. A7H2	P34369	S-3	Operating	11-06-029-10W4	06-01-029-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34369	S-4	Operating	06-01-029-11W4	06-02-029-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34369	S-5	Discontinued	14-29-034-11W4	07-21-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P34253	S-1	Operating	11-24-030-16W4	13-12-030-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-2	Operating	13-12-030-16W4	13-36-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-3	Operating	08-34-029-16W4	13-36-029-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-4	Operating	13-36-029-16W4	10-33-028-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-5	Operating	09-14-030-16W4	12-13-030-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-6	Operating	01-24-030-16W4	09-14-030-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34253	S-7	Discontinued	01-14-030-16W4	09-14-030-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-1	Discontinued	16-23-007-21W4	02-01-007-22W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-2	Operating	02-10-008-21W4	07-02-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-3	Operating	07-02-008-21W4	01-36-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-4	Operating	04-29-007-20W4	01-36-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-5	Operating	01-36-007-21W4	16-23-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-6	Operating	09-17-008-21W4	12-31-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-7	Operating	15-01-008-22W4	11-06-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-8	Operating	12-31-007-21W4	10-29-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-9	Operating	10-29-007-21W4	11-21-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-10	Operating	11-21-007-21W4	09-22-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-11	Operating	15-15-007-21W4	09-22-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-12	Operating	09-22-007-21W4	16-23-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-13	Operating	04-21-007-20W4	04-19-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-14	Operating	08-09-007-20W4	04-19-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-15	Operating	08-12-007-21W4	06-07-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-16	Operating	04-19-007-20W4	16-23-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-17	Operating	06-22-007-20W4	04-21-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-18	Operating	11-17-007-20W4	03-20-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-19	Operating	01-25-007-21W4	04-19-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-20	Operating	04-15-007-20W4	08-09-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-21	Operating	11-05-007-20W4	10-06-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-22	Operating	10-06-007-20W4	08-12-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-23	Operating	01-34-007-21W4	10-26-007-21W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P34200	S-24	Operating	10-26-007-21W4	16-23-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-25	Operating	02-17-007-19W4	05-11-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-26	Operating	05-11-007-20W4	08-09-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-27	Operating	05-04-007-20W4	08-09-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-29	Operating	11-02-007-20W4	05-11-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-31	Operating	05-01-007-21W4	10-06-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-33	Operating	12-35-006-20W4	12-35-006-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-35	Operating	07-08-007-20W4	07-08-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-36	Operating	06-18-007-20W4	06-18-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-37	Operating	03-15-008-21W4	02-10-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-38	Operating	04-13-007-21W4	16-14-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-39	Operating	11-27-007-21W4	10-26-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-40	Operating	04-14-007-20W4	05-11-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-41	Operating	05-16-007-20W4	01-16-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-43	Operating	09-20-007-20W4	04-21-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-44	Operating	06-22-007-20W4	04-14-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-45	Operating	04-27-007-20W4	06-22-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-46	Operating	16-35-007-21W4	10-35-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-47	Operating	11-13-008-21W4	01-36-007-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-48	Operating	13-07-008-20W4	03-13-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-49	Operating	11-12-008-21W4	11-12-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-50	Operating	16-01-008-21W4	15-01-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-53	Operating	14-18-007-20W4	04-19-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-54	Operating	16-09-008-21W4	02-10-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-55	Operating	06-21-007-20W4	04-21-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-57	Operating	14-20-007-20W4	09-20-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-58	Operating	14-15-007-20W4	15-15-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-59	Operating	03-01-008-21W4	10-01-008-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34200	S-60	Operating	12-35-006-20W4	11-02-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34129	S-1	Operating	13-19-025-15W4	14-19-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P34092	S-1	Discontinued	03-02-026-15W4	01-02-026-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33977	S-1	Operating	08-04-026-16W4	06-03-026-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33977	S-2	Operating	06-03-026-16W4	13-35-025-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33943	S-4	Discontinued	03-17-033-11W4	08-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33757	S-1	Discontinued	08-07-026-14W4	07-17-026-14W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P33724	S-1	Operating	01-01-057-20W5	16-31-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-2	Operating	11-01-057-20W5	03-01-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-3	Operating	01-01-057-20W5	01-01-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-4	Operating	16-22-054-18W5	13-23-054-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-5	Operating	02-30-054-18W5	10-31-054-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-6	Operating	01-35-054-19W5	02-36-054-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-8	Operating	10-31-054-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-9	Discontinued	07-22-054-18W5	16-22-054-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-10	Operating	11-31-056-19W5	11-31-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-11	Operating	16-31-056-19W5	01-32-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-12	Operating	01-11-057-20W5	01-01-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-14	Operating	11-11-057-20W5	01-11-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-15	Operating	09-28-054-18W5	15-28-054-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-16	Operating	13-11-057-20W5	11-11-057-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33724	S-17	Operating	01-32-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33723	S-1	Operating	12-21-055-19W5	11-22-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33723	S-2	Operating	04-21-055-19W5	12-21-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33723	S-3	Operating	12-21-055-19W5	11-22-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33722	S-1	Discontinued	08-28-038-23W4	09-21-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P33722	S-2	Operating	12-21-038-23W4	09-21-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P33722	S-3	Discontinued	06-28-038-23W4	08-28-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P33722	S-4	Discontinued	11-28-038-23W4	06-28-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P33708	S-1	Operating	06-33-040-11W4	12-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-2	Operating	06-33-040-11W4	12-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-5	Discontinued	07-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-6	Discontinued	07-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-7	Discontinued	07-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-8	Discontinued	07-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-10	Operating	13-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-11	Operating	13-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-12	Discontinued	04-04-041-11W4	13-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-13	Discontinued	04-04-041-11W4	13-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-14	Operating	12-33-040-11W4	12-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-15	Discontinued	06-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-16	Discontinued	06-33-040-11W4	06-33-040-11W4	Wainwright



AlphaBow Energy Ltd. A7H2	P33708	S-17	Operating	14-33-040-11W4	14-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-18	Operating	14-33-040-11W4	14-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-19	Operating	11-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33708	S-20	Operating	11-33-040-11W4	06-33-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33615	S-1	Operating	15-22-052-16W5	11-27-052-16W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33614	S-1	Operating	11-27-052-16W5	15-33-052-16W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P33574	S-1	Discontinued	10-06-034-11W4	09-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-1	Operating	08-18-033-11W4	14-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-2	Operating	14-18-033-11W4	01-36-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-4	Operating	16-24-033-12W4	16-24-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-5	Operating	06-07-033-11W4	08-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-6	Operating	06-24-033-12W4	16-24-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-7	Operating	16-08-033-11W4	06-17-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-8	Operating	06-17-033-11W4	16-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-9	Operating	16-18-033-11W4	14-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-10	Operating	16-33-033-11W4	06-33-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-11	Operating	06-33-033-11W4	16-29-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-12	Operating	16-29-033-11W4	06-29-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-13	Operating	06-29-033-11W4	16-19-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-14	Operating	16-19-033-11W4	06-19-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-15	Operating	06-19-033-11W4	14-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-16	Operating	16-28-033-11W4	06-28-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-17	Operating	06-28-033-11W4	13-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-18	Operating	16-20-033-11W4	13-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-19	Operating	13-21-033-11W4	06-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-20	Operating	16-21-033-11W4	06-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-21	Operating	06-21-033-11W4	16-17-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-22	Operating	16-17-033-11W4	13-17-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-23	Operating	06-20-033-11W4	15-17-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-24	Operating	06-08-033-11W4	16-07-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-25	Operating	16-07-033-11W4	08-18-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-26	Operating	16-17-033-11W4	13-16-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-27	Operating	12-19-033-11W4	16-24-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-28	Operating	13-29-033-11W4	06-29-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-30	Operating	13-24-033-12W4	06-24-033-12W4	Wainwright



AlphaBow Energy Ltd. A7H2	P33429	S-31	Operating	14-07-033-11W4	14-07-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-32	Operating	14-19-033-11W4	13-19-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-33	Operating	08-08-033-11W4	06-08-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-34	Operating	14-08-033-11W4	13-08-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-35	Operating	14-20-033-11W4	16-20-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-36	Operating	08-07-033-11W4	06-07-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-37	Operating	08-17-033-11W4	01-17-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-38	Operating	08-19-033-11W4	06-19-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-39	Operating	08-20-033-11W4	06-20-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-40	Operating	08-21-033-11W4	06-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-41	Operating	14-21-033-11W4	13-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-42	Operating	08-29-033-11W4	16-29-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-43	Operating	14-33-033-11W4	16-33-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-44	Operating	08-24-033-12W4	06-24-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-45	Operating	08-28-033-11W4	16-21-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-46	Operating	08-33-033-11W4	06-33-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33429	S-47	Operating	14-28-033-11W4	03-33-033-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P33298	S-1	Discontinued	09-12-030-13W4	02-01-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33297	S-1	Discontinued	07-32-025-15W4	09-32-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33297	S-2	Discontinued	14-33-025-15W4	09-32-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33292	S-1	Operating	08-11-043-26W4	16-02-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P33157	S-1	Discontinued	11-32-031-11W4	02-31-031-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-1	Operating	16-18-007-17W4	04-24-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-2	Operating	04-24-007-18W4	16-22-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-3	Operating	16-22-007-18W4	11-28-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-4	Operating	11-28-007-18W4	04-32-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-5	Operating	04-32-007-18W4	08-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-6	Operating	11-36-007-19W4	06-01-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-7	Operating	10-33-006-19W4	06-21-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-8	Operating	06-21-007-19W4	10-29-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-9	Operating	10-29-007-19W4	07-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-10	Operating	07-02-008-19W4	08-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-11	Operating	08-02-008-19W4	03-05-010-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-12	Operating	07-09-007-19W4	08-09-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-19	Operating	02-17-007-19W4	06-21-007-19W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P33143	S-20	Operating	11-11-007-18W4	04-24-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-22	Operating	07-16-007-18W4	11-19-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-23	Operating	11-19-007-18W4	04-32-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-24	Operating	13-09-007-17W4	14-08-007-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-25	Operating	14-08-007-17W4	16-18-007-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-26	Operating	13-31-007-18W4	14-31-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-27	Operating	16-21-007-18W4	08-28-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-29	Operating	16-13-007-18W4	16-13-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-31	Operating	03-25-007-19W4	11-19-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-32	Operating	14-20-007-19W4	06-21-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-34	Operating	16-35-007-19W4	08-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-35	Operating	10-03-008-19W4	07-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-37	Operating	06-04-007-19W4	08-04-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-38	Operating	10-29-007-18W4	02-32-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-39	Operating	04-27-007-18W4	04-27-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-40	Operating	16-05-007-19W4	06-04-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-41	Operating	11-03-007-19W4	09-04-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-42	Operating	14-30-007-18W4	09-30-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-43	Operating	08-18-008-17W4	16-12-008-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-44	Operating	16-12-008-18W4	04-27-007-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-47	Operating	06-08-007-19W4	16-05-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-48	Operating	13-02-008-19W4	12-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-49	Operating	07-11-008-18W4	13-01-008-18W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-52	Operating	02-28-007-19W4	06-21-007-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-53	Operating	01-09-007-17W4	13-09-007-17W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-54	Operating	05-33-006-19W4	10-33-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P33143	S-55	Operating	07-02-008-19W4	08-02-008-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32959	S-1	Discontinued	10-23-028-11W4	11-26-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32903	S-1	Discontinued	04-36-055-19W5	11-25-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P32901	S-1	Operating	06-31-034-11W4	05-11-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-2	Operating	06-11-034-12W4	05-11-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-3	Operating	05-11-034-12W4	06-14-034-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-4	Operating	01-36-033-12W4	08-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-5	Operating	08-01-034-12W4	03-12-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-6	Operating	12-12-034-12W4	05-12-034-12W4	Wainwright

AlphaBow Energy Ltd. A7H2	P32901	S-7	Operating	06-22-034-12W4	03-24-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-11	Operating	10-13-034-12W4	12-13-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32901	S-12	Operating	16-13-034-12W4	10-13-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32886	S-1	Discontinued	10-30-025-15W4	10-30-025-15W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32886	S-2	Operating	12-35-025-16W4	10-35-025-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32886	S-3	Operating	11-36-025-16W4	10-36-025-16W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32637	S-1	Discontinued	11-28-033-08W4	03-35-035-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32637	S-2	Discontinued	15-21-033-08W4	11-28-033-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32637	S-3	Discontinued	14-27-033-08W4	03-34-033-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32637	S-4	Discontinued	14-22-033-08W4	03-35-033-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32637	S-5	Discontinued	06-15-033-08W4	14-22-033-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32637	S-6	Discontinued	09-34-033-08W4	01-34-033-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P3257	S-2	Operating	02-20-064-18W5	10-17-064-18W5	Edmonton
AlphaBow Energy Ltd. A7H2	P3257	S-3	Operating	10-17-064-18W5	01-11-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P3257	S-5	Operating	01-11-064-19W5	08-09-064-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P32515	S-1	Operating	04-27-040-10W4	01-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-4	Discontinued	04-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-5	Operating	04-27-040-10W4	12-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-7	Operating	12-22-040-10W4	08-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-8	Operating	12-22-040-10W4	12-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-9	Operating	08-22-040-10W4	09-22-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-10	Operating	09-22-040-10W4	12-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-11	Operating	12-23-040-10W4	05-23-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-12	Operating	01-28-040-10W4	08-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32515	S-13	Discontinued	01-28-040-10W4	01-28-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P32406	S-1	Operating	01-11-010-21W4	08-02-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32406	S-2	Operating	03-14-010-21W4	01-11-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32406	S-3	Operating	06-03-010-21W4	08-02-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32406	S-4	Operating	16-10-010-21W4	16-10-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32406	S-5	Operating	16-10-010-21W4	14-11-010-21W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32300	S-1	Discontinued	12-05-028-11W4	08-08-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32300	S-2	Operating	08-08-028-11W4	06-21-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32194	S-2	Operating	03-03-030-11W4	10-03-030-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P32114	S-2	Operating	11-22-055-19W5	11-23-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P32114	S-3	Operating	07-28-055-19W5	02-28-055-19W5	Drayton Valley

AlphaBow Energy Ltd. A7H2	P32114	S-4	Operating	11-22-055-19W5	02-28-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P31999	S-2	Operating	01-01-061-15W4	10-01-061-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P31999	S-3	Discontinued	03-09-061-14W4	11-04-061-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P31999	S-4	Discontinued	06-28-060-14W4	12-33-060-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P31783	S-1	Operating	06-02-038-11W4	06-15-038-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P31719	S-3	Operating	14-13-042-26W4	15-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P31719	S-4	Operating	15-13-042-26W4	08-13-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P31634	S-1	Operating	06-11-030-13W4	04-11-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31419	S-1	Operating	07-36-033-12W4	07-36-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P31242	S-1	Operating	06-21-052-17W5	06-21-052-17W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P31189	S-1	Operating	10-14-031-14W4	12-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-2	Discontinued	11-18-031-13W4	10-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-3	Operating	06-07-031-13W4	01-12-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-4	Operating	04-08-031-13W4	06-07-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-5	Operating	16-01-031-14W4	15-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-6	Operating	11-14-031-14W4	14-14-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-7	Operating	08-07-031-13W4	14-12-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-8	Operating	14-07-031-13W4	14-07-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-9	Operating	14-12-031-14W4	14-12-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-11	Operating	08-11-031-14W4	14-12-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-12	Operating	12-13-031-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-13	Operating	14-13-031-14W4	06-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-14	Operating	06-13-031-14W4	04-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-15	Operating	14-12-031-14W4	13-12-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-16	Operating	01-14-031-14W4	04-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-17	Operating	04-07-031-13W4	04-07-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-18	Discontinued	10-13-031-14W4	12-13-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31189	S-19	Operating	08-07-031-13W4	08-07-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P31178	S-1	Operating	06-11-031-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30732	S-2	Operating	12-05-028-11W4	08-08-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30732	S-3	Operating	08-09-028-11W4	08-08-028-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30562	S-3	Discontinued	09-30-040-09W4	09-30-040-09W4	Wainwright
AlphaBow Energy Ltd. A7H2	P30497	S-1	Operating	09-25-064-14W4	10-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P30259	S-2	Discontinued	10-31-034-12W4	11-25-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P30258	S-1	Operating	13-04-031-14W4	04-01-031-14W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P30258	S-2	Operating	10-04-031-14W4	10-04-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30258	S-3	Operating	06-03-031-14W4	06-03-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30258	S-4	Operating	12-04-031-14W4	13-04-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30258	S-5	Operating	03-09-031-14W4	10-04-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30258	S-7	Operating	16-31-030-14W4	10-04-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P30258	S-8	Operating	07-32-030-14W4	14-32-030-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-1	Operating	04-12-007-19W4	10-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-2	Operating	11-30-006-18W4	10-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-3	Operating	10-35-006-19W4	12-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-6	Operating	01-34-006-19W4	10-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-7	Operating	10-33-006-19W4	12-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-8	Operating	10-33-006-19W4	01-34-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-9	Operating	10-27-006-19W4	01-34-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-10	Operating	10-22-006-19W4	10-27-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29851	S-11	Operating	15-28-006-19W4	10-27-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29725	S-3	Discontinued	13-36-055-20W5	10-12-056-20W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P29725	S-4	Discontinued	10-12-056-20W5	07-07-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P29725	S-7	Operating	14-08-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P29610	S-1	Discontinued	12-26-041-25W4	06-26-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P29598	S-1	Discontinued	06-21-040-16W4	03-21-040-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P29587	S-1	Operating	14-26-006-19W4	10-35-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29587	S-2	Operating	07-26-006-19W4	14-26-006-19W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29532	S-1	Discontinued	02-18-041-24W4	09-07-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P29315	S-1	Operating	03-12-034-12W4	06-11-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P29315	S-3	Operating	08-22-034-12W4	06-23-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P29259	S-1	Operating	07-28-008-20W4	09-21-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29259	S-2	Operating	04-27-008-20W4	01-28-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29259	S-3	Operating	05-28-008-20W4	07-28-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29234	S-1	Operating	04-22-041-25W4	07-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P29197	S-1	Operating	10-20-008-20W4	09-21-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-2	Operating	09-21-008-20W4	04-15-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-3	Operating	04-15-008-20W4	10-01-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-5	Operating	06-16-008-20W4	04-15-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-6	Operating	10-25-007-20W4	15-25-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-7	Operating	06-31-008-20W4	04-29-008-20W4	Medicine Hat



AlphaBow Energy Ltd. A7H2	P29197	S-8	Operating	04-29-008-20W4	10-20-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P29197	S-9	Operating	10-01-008-20W4	15-25-007-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P28454	S-1	Discontinued	07-19-040-12W4	15-19-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P28143	S-1	Operating	15-20-050-14W4	06-28-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27972	S-1	Discontinued	14-20-036-07W4	01-30-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27919	S-1	Operating	06-25-037-23W4	06-25-037-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P27907	S-2	Operating	11-24-026-11W4	11-13-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-3	Discontinued	11-24-026-11W4	10-26-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-4	Discontinued	01-35-026-10W4	10-26-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-5	Discontinued	06-35-026-11W4	01-35-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-6	Operating	06-23-026-11W4	10-26-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-8	Discontinued	06-24-026-11W4	11-24-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27907	S-9	Discontinued	16-23-026-11W4	14-23-026-11W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P27804	S-1	Operating	04-02-041-11W4	14-20-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27794	S-2	Operating	14-33-040-01W4	14-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27688	S-3	Operating	14-19-036-21W4	16-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P27688	S-4	Operating	16-19-036-21W4	16-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P27662	S-3	Operating	13-19-038-08W4	06-19-038-08W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27627	S-1	Operating	03-06-034-11W4	08-01-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27603	S-5	Discontinued	10-32-038-13W4	09-29-038-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-2	Discontinued	04-16-040-12W4	08-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-3	Discontinued	04-16-040-12W4	15-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-4	Operating	15-08-040-12W4	15-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-5	Discontinued	04-16-040-12W4	11-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-6	Discontinued	11-09-040-12W4	03-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-7	Operating	03-09-040-12W4	02-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-8	Operating	04-16-040-12W4	13-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27485	S-9	Operating	13-09-040-12W4	03-09-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27474	S-1	Operating	12-06-041-11W4	14-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27474	S-2	Discontinued	14-06-041-11W4	15-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27474	S-3	Discontinued	14-06-041-11W4	07-11-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27458	S-2	Discontinued	11-11-039-15W4	14-11-039-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27443	S-1	Operating	15-08-040-12W4	09-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27443	S-2	Operating	14-08-040-12W4	15-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27443	S-3	Operating	02-17-040-12W4	15-08-040-12W4	Wainwright



AlphaBow Energy Ltd. A7H2	P27324	S-1	Operating	02-32-040-11W4	05-35-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27323	S-4	Discontinued	08-29-040-10W4	09-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27323	S-5	Discontinued	05-28-040-10W4	08-29-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27264	S-1	Operating	05-35-040-11W4	04-02-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P27217	S-2	Operating	02-23-063-19W5	08-22-063-19W5	Edmonton
AlphaBow Energy Ltd. A7H2	P27155	S-1	Discontinued	06-19-024-19W4	10-25-024-20W4	Calgary
AlphaBow Energy Ltd. A7H2	P27014	S-1	Operating	01-14-041-15W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26970	S-1	Discontinued	13-30-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26970	S-2	Discontinued	13-30-040-10W4	14-30-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26805	S-1	Discontinued	08-32-035-23W4	03-04-036-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-2	Operating	07-04-036-23W4	03-04-036-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-4	Operating	06-28-036-25W4	06-03-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-5	Operating	04-36-036-25W4	01-02-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-6	Operating	01-01-037-25W4	03-02-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-8	Operating	05-06-037-24W4	01-01-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-9	Operating	05-04-036-23W4	03-04-036-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-10	Operating	12-21-036-25W4	06-28-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-11	Operating	09-36-036-25W4	01-01-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-12	Operating	06-35-036-25W4	09-35-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-13	Operating	02-17-036-25W4	12-21-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-14	Operating	08-18-036-25W4	02-17-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-15	Operating	10-20-036-25W4	12-21-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-18	Operating	14-27-036-25W4	15-27-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-19	Operating	16-28-036-25W4	14-27-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-20	Operating	07-28-036-25W4	02-28-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-21	Operating	12-28-036-25W4	06-28-036-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-22	Discontinued	10-06-037-25W4	11-06-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-23	Operating	07-19-036-25W4	06-24-036-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-24	Operating	03-04-036-23W4	14-02-036-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26805	S-25	Operating	06-03-037-25W4	03-02-037-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26776	S-1	Operating	15-08-040-12W4	02-17-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26776	S-2	Discontinued	09-08-040-12W4	15-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26765	S-1	Discontinued	14-20-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26765	S-2	Operating	04-16-040-12W4	14-20-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-1	Operating	04-04-042-15W4	01-14-041-15W4	Wainwright

AlphaBow Energy Ltd. A7H2	P26741	S-3	Discontinued	04-16-040-14W4	16-20-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-4	Operating	16-20-040-14W4	15-12-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-5	Discontinued	16-09-040-14W4	04-16-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-6	Discontinued	07-17-040-14W4	08-17-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-7	Discontinued	07-29-040-14W4	08-29-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-14	Discontinued	10-35-040-14W4	09-03-041-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-20	Discontinued	06-16-040-14W4	03-16-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-21	Operating	14-20-041-14W4	10-20-041-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-23	Operating	10-20-041-14W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-24	Discontinued	13-14-041-16W4	13-14-041-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-27	Discontinued	02-05-040-14W4	13-05-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-28	Discontinued	13-05-040-14W4	16-09-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-29	Discontinued	07-03-043-15W4	12-15-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-30	Discontinued	08-35-042-15W4	06-34-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-32	Operating	16-18-041-14W4	16-18-041-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-38	Discontinued	06-04-040-15W4	05-04-040-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-39	Discontinued	06-17-040-14W4	07-17-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-40	Discontinued	02-30-039-14W4	07-06-040-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-41	Discontinued	02-30-041-15W4	11-19-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-44	Discontinued	01-14-041-15W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-47	Operating	15-05-043-15W4	08-05-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-49	Discontinued	10-10-043-15W4	07-03-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-50	Operating	04-16-042-15W4	15-16-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-51	Operating	15-16-042-15W4	12-15-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-57	Operating	12-15-042-15W4	03-08-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-65	Discontinued	08-05-043-15W4	07-03-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-66	Operating	16-07-043-15W4	15-05-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-67	Operating	07-18-043-15W4	01-18-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-68	Operating	08-13-043-16W4	16-07-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-69	Discontinued	16-13-043-16W4	08-13-043-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-71	Operating	13-08-042-15W4	03-08-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-72	Operating	03-08-042-15W4	11-19-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-75	Discontinued	06-06-042-15W4	08-06-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-78	Operating	03-08-042-15W4	04-04-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-82	Operating	01-29-041-14W4	14-20-041-14W4	Wainwright

AlphaBow Energy Ltd. A7H2	P26741	S-86	Discontinued	08-12-043-15W4	08-35-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-87	Operating	10-15-042-15W4	12-15-042-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-91	Discontinued	14-24-043-16W4	07-18-043-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26741	S-92	Operating	12-19-041-15W4	08-15-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-1	Operating	14-20-040-12W4	14-02-041-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-2	Operating	07-18-041-12W4	11-01-041-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-3	Operating	16-23-041-14W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-11	Discontinued	06-05-041-12W4	11-01-041-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-12	Operating	11-01-041-13W4	04-35-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-13	Operating	04-20-041-12W4	07-18-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-14	Operating	14-24-040-13W4	03-25-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-15	Operating	08-15-041-15W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-17	Operating	14-20-041-12W4	04-20-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-18	Discontinued	10-20-041-12W4	14-20-041-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-19	Discontinued	13-34-040-13W4	09-34-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-20	Operating	05-34-040-13W4	06-34-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26729	S-21	Operating	15-12-041-15W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26674	S-1	Operating	13-30-040-10W4	05-35-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26619	S-1	Discontinued	04-16-040-12W4	15-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26591	S-1	Discontinued	08-24-040-13W4	11-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26591	S-2	Discontinued	08-24-040-13W4	09-24-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26591	S-4	Discontinued	11-24-040-13W4	13-23-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-1	Discontinued	02-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-2	Discontinued	02-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-3	Discontinued	02-04-040-12W4	07-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-4	Discontinued	02-04-040-12W4	07-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-5	Discontinued	02-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-6	Discontinued	07-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-8	Discontinued	07-04-040-12W4	08-32-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-9	Discontinued	07-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-10	Discontinued	03-04-040-12W4	07-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-11	Discontinued	07-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26368	S-12	Discontinued	07-04-040-12W4	08-04-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P26352	S-1	Operating	04-30-055-18W5	16-24-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P26241	S-1	Discontinued	11-08-040-12W4	06-08-040-12W4	Wainwright

AlphaBow Energy Ltd. A7H2	P26118	S-1	Operating	16-04-042-22W4	14-03-042-22W4	Red Deer
AlphaBow Energy Ltd. A7H2	P26043	S-2	Operating	06-24-029-13W4	14-24-029-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P26043	S-3	Operating	10-25-029-13W4	08-36-029-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P25984	S-1	Discontinued	11-09-040-12W4	06-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25984	S-2	Discontinued	06-08-040-12W4	05-08-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25941	S-1	Discontinued	01-19-055-18W5	16-18-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P25628	S-1	Discontinued	02-32-040-11W4	06-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25628	S-2	Discontinued	06-32-040-11W4	05-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25628	S-4	Operating	02-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25628	S-5	Operating	02-32-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25628	S-6	Discontinued	02-32-040-11W4	01-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25620	S-1	Discontinued	04-11-031-13W4	07-10-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P25620	S-2	Operating	13-16-031-13W4	05-21-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P25620	S-3	Operating	12-16-031-13W4	13-16-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P25609	S-5	Discontinued	16-16-036-07W4	10-16-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25609	S-6	Discontinued	16-16-036-07W4	10-16-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25609	S-13	Discontinued	09-16-036-07W4	09-16-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-1	Operating	14-28-040-07W4	15-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-2	Operating	15-28-040-07W4	01-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-3	Operating	15-28-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-4	Operating	03-28-040-07W4	14-28-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-5	Operating	07-20-040-07W4	06-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-6	Operating	06-21-040-07W4	09-20-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-7	Operating	16-19-040-07W4	16-19-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-8	Operating	04-29-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-9	Discontinued	06-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-11	Operating	04-29-040-07W4	04-29-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-12	Operating	01-33-040-07W4	12-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-13	Operating	12-27-040-07W4	13-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-14	Operating	14-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-15	Operating	13-27-040-07W4	02-33-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-16	Operating	16-27-040-07W4	14-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25581	S-17	Operating	12-27-040-07W4	12-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25562	S-1	Operating	02-17-040-12W4	04-16-040-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P25135	S-1	Discontinued	10-18-025-14W4	16-06-025-14W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P24993	S-2	Discontinued	07-02-041-25W4	11-02-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24993	S-3	Discontinued	10-02-041-25W4	11-02-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24993	S-4	Discontinued	11-02-041-25W4	11-02-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24977	S-4	Discontinued	01-14-041-15W4	01-14-041-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P24821	S-21	Discontinued	03-25-036-07W4	03-13-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P24821	S-24	Discontinued	09-16-036-07W4	03-13-036-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P24773	S-1	Operating	13-06-055-14W4	05-06-055-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P24741	S-1	Operating	09-19-043-25W4	07-26-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24741	S-2	Operating	07-26-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-3	Operating	14-33-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-5	Operating	14-32-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-7	Operating	14-05-044-26W4	08-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-10	Operating	06-05-044-26W4	08-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-11	Operating	08-05-044-26W4	16-32-043-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-12	Operating	08-05-044-26W4	16-32-043-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-13	Discontinued	02-05-044-26W4	16-32-043-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-16	Discontinued	12-33-043-26W4	14-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-17	Operating	06-08-044-26W4	14-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-18	Operating	13-33-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-19	Operating	04-33-043-26W4	03-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-20	Operating	02-33-043-26W4	03-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-21	Operating	14-05-044-26W4	08-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-22	Discontinued	14-05-044-26W4	07-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-23	Discontinued	14-05-044-26W4	07-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-24	Operating	02-33-043-26W4	14-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-25	Operating	14-33-043-26W4	16-32-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-26	Operating	03-33-043-26W4	14-33-043-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24740	S-27	Operating	08-06-044-26W4	06-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24740	S-28	Discontinued	10-05-044-26W4	07-05-044-26W4	Edmonton
AlphaBow Energy Ltd. A7H2	P24662	S-1	Operating	06-27-030-13W4	07-27-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P24272	S-4	Operating	16-18-042-25W4	14-18-042-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24272	S-5	Operating	08-25-042-26W4	15-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24272	S-6	Operating	15-24-042-26W4	08-24-042-26W4	Red Deer
AlphaBow Energy Ltd. A7H2	P24133	S-1	Discontinued	13-36-049-13W4	14-02-050-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23686	S-1	Discontinued	04-16-043-16W4	07-16-043-16W4	Wainwright



AlphaBow Energy Ltd. A7H2	P23668	S-1	Discontinued	10-21-051-12W4	04-21-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23668	S-2	Operating	04-21-051-12W4	04-21-051-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23657	S-3	Operating	15-33-040-01W4	10-33-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23657	S-4	Operating	15-33-040-01W4	12-03-041-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23611	S-1	Discontinued	02-28-040-13W4	02-27-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23611	S-2	Discontinued	02-27-040-13W4	15-22-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23611	S-3	Discontinued	15-22-040-13W4	13-23-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23611	S-4	Discontinued	15-22-040-13W4	15-22-040-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23158	S-3	Operating	10-32-034-11W4	03-31-034-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23148	S-2	Discontinued	06-30-040-01W4	14-30-040-01W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23119	S-1	Operating	14-16-038-23W4	09-21-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-2	Operating	14-21-038-23W4	09-21-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-3	Operating	04-21-038-23W4	14-16-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-4	Operating	11-28-038-23W4	14-21-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-6	Operating	14-28-038-23W4	11-28-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-7	Operating	01-33-038-23W4	14-28-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23119	S-8	Discontinued	12-34-038-23W4	01-33-038-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23090	S-5	Discontinued	16-24-041-25W4	14-19-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23036	S-1	Operating	14-02-036-23W4	10-11-036-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P23022	S-5	Discontinued	10-24-041-14W4	04-11-042-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23022	S-17	Discontinued	16-29-043-16W4	13-10-043-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P23022	S-18	Discontinued	01-29-043-16W4	01-29-043-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P22583	S-1	Discontinued	07-25-039-27W4	11-24-039-27W4	Red Deer
AlphaBow Energy Ltd. A7H2	P22583	S-2	Discontinued	11-24-039-27W4	11-24-039-27W4	Red Deer
AlphaBow Energy Ltd. A7H2	P22333	S-3	Discontinued	06-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P22333	S-4	Discontinued	06-27-040-07W4	06-27-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P22333	S-17	Operating	06-21-040-07W4	07-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P22333	S-18	Operating	12-21-040-07W4	06-21-040-07W4	Wainwright
AlphaBow Energy Ltd. A7H2	P22314	S-1	Operating	01-12-031-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P22074	S-1	Operating	08-36-029-13W4	08-10-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P22074	S-2	Operating	08-14-030-13W4	10-15-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P22074	S-4	Operating	15-11-030-13W4	08-14-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P22074	S-5	Operating	06-02-030-13W4	10-02-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P21876	S-1	Operating	14-03-051-14W4	15-31-050-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P21607	S-2	Discontinued	04-17-041-24W4	01-25-041-25W4	Red Deer



AlphaBow Energy Ltd. A7H2	P21607	S-6	Operating	16-21-041-24W4	16-20-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P21607	S-7	Operating	16-20-041-24W4	01-25-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P21607	S-8	Operating	15-20-041-24W4	15-20-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P21486	S-1	Operating	07-31-037-22W4	07-22-037-23W4	Red Deer
AlphaBow Energy Ltd. A7H2	P21085	S-1	Discontinued	10-36-033-12W4	07-36-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20961	S-2	Operating	03-36-055-15W4	11-36-055-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20961	S-7	Operating	11-30-055-14W4	11-31-055-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20654	S-1	Discontinued	06-30-041-24W4	14-19-041-24W4	Red Deer
AlphaBow Energy Ltd. A7H2	P20554	S-4	Operating	06-36-033-12W4	03-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-5	Operating	10-25-033-12W4	06-36-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-6	Operating	06-25-033-12W4	10-25-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-7	Operating	14-08-034-11W4	06-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-8	Operating	06-17-034-11W4	14-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-9	Operating	16-07-034-11W4	06-17-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-10	Operating	06-07-034-11W4	16-07-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-11	Operating	16-17-034-11W4	06-17-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-12	Operating	06-26-033-12W4	12-26-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-13	Operating	16-26-033-12W4	01-35-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-14	Operating	08-26-033-12W4	06-26-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-15	Operating	14-26-033-12W4	11-26-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-16	Operating	09-07-034-11W4	16-07-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-17	Operating	08-25-033-12W4	06-25-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-18	Operating	08-08-034-11W4	09-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-19	Operating	16-08-034-11W4	16-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-20	Operating	08-06-034-11W4	09-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-21	Operating	14-07-034-11W4	06-07-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-22	Operating	12-25-033-12W4	16-26-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-24	Operating	14-09-034-11W4	13-09-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-25	Operating	09-06-034-11W4	03-06-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-26	Operating	09-06-034-11W4	13-05-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-27	Discontinued	13-05-034-11W4	06-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-28	Operating	13-09-034-11W4	06-08-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20554	S-30	Operating	12-26-033-12W4	06-36-033-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20529	S-7	Operating	01-06-035-18W4	04-06-035-18W4	Red Deer
AlphaBow Energy Ltd. A7H2	P20505	S-2	Operating	08-24-052-14W4	06-13-052-14W4	Wainwright

AlphaBow Energy Ltd. A7H2	P20505	S-5	Operating	07-25-052-14W4	07-25-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20505	S-6	Operating	07-25-052-14W4	08-24-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20505	S-7	Operating	01-18-052-13W4	07-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20505	S-8	Operating	06-13-052-14W4	11-12-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20505	S-10	Operating	06-13-052-14W4	06-13-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20505	S-11	Operating	04-10-053-14W4	07-25-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20485	S-1	Discontinued	06-28-056-19W5	07-29-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P20485	S-2	Operating	07-29-056-19W5	07-29-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P20485	S-3	Operating	07-29-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P20478	S-1	Discontinued	06-21-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P20319	S-7	Operating	06-19-029-12W4	12-20-029-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P20271	S-2	Discontinued	12-36-049-13W4	07-26-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-3	Discontinued	07-26-049-13W4	07-26-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-4	Discontinued	07-26-049-13W4	03-26-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-10	Discontinued	08-31-049-12W4	12-36-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-11	Discontinued	16-34-049-13W4	13-36-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-12	Discontinued	02-24-049-14W4	16-34-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-13	Discontinued	08-04-050-12W4	08-31-049-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-14	Discontinued	08-11-049-12W4	09-32-049-12W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20271	S-15	Discontinued	13-36-049-13W4	13-36-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20221	I-1	Discontinued	05-12-065-15W4		Bonnyville
AlphaBow Energy Ltd. A7H2	P20136	S-1	Discontinued	07-05-031-09W4	10-33-030-09W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P20070	S-2	Discontinued	15-25-056-16W4	09-35-056-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P20055	S-1	Discontinued	14-05-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P19745	S-7	Discontinued	05-34-065-15W4	05-34-065-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P19606	S-3	Operating	08-10-030-13W4	10-34-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P19576	S-3	Discontinued	15-22-040-10W4	03-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19576	S-4	Discontinued	03-27-040-10W4	04-27-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19548	S-2	Discontinued	07-10-056-19W5	16-16-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19548	S-3	Discontinued	04-15-056-19W5	06-15-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19548	S-4	Discontinued	10-03-056-19W5	07-10-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19548	S-6	Operating	07-10-056-19W5	14-02-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19418	S-4	Operating	01-22-040-11W4	04-28-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-5	Operating	12-06-041-11W4	02-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-6	Operating	11-32-040-11W4	02-32-040-11W4	Wainwright

AlphaBow Energy Ltd. A7H2	P19418	S-7	Operating	16-29-040-11W4	02-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-8	Operating	04-28-040-11W4	16-29-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-10	Operating	02-06-041-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-11	Discontinued	14-01-041-12W4	12-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-14	Operating	14-06-041-11W4	12-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-15	Discontinued	05-17-041-11W4	06-17-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-16	Discontinued	05-30-041-11W4	15-29-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-17	Discontinued	15-29-041-11W4	08-31-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-18	Discontinued	12-06-041-11W4	02-06-041-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-19	Operating	14-32-040-11W4	11-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19418	S-20	Operating	14-32-040-11W4	14-32-040-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19378	S-1	Operating	12-30-055-18W5	04-30-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19378	S-2	Discontinued	12-19-055-18W5	04-30-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19378	S-3	Discontinued	04-30-055-18W5	04-30-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19263	S-2	Operating	09-17-056-19W5	03-21-056-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P19027	S-2	Operating	07-21-055-14W4	07-16-055-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19027	S-4	Operating	06-21-055-14W4	07-21-055-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P19027	S-5	Operating	16-16-055-14W4	16-16-055-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-5	Operating	07-15-057-16W4	08-15-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-10	Discontinued	13-27-057-16W4	07-35-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-14	Discontinued	16-09-058-16W4	13-27-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-15	Discontinued	02-27-057-16W4	04-27-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-19	Discontinued	16-15-057-16W4	07-15-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-20	Discontinued	01-34-057-16W4	03-34-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-21	Discontinued	10-28-057-16W4	16-28-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-22	Discontinued	01-25-057-16W4	02-27-057-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-24	Discontinued	11-16-058-16W4	16-09-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-27	Discontinued	01-28-058-16W4	11-16-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-28	Discontinued	03-07-058-16W4	01-07-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-29	Discontinued	04-17-058-16W4	11-16-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-30	Discontinued	01-07-058-16W4	02-09-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18806	S-31	Discontinued	02-29-058-16W4	10-21-058-16W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18494	S-2	Operating	06-35-008-20W4	04-27-008-20W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18485	S-1	Discontinued	06-20-034-11W4	07-21-034-11W4	Wainwright
AlphaBow Energy Ltd. A7H2	P18485	S-2	Operating	07-21-034-11W4	07-21-034-11W4	Wainwright

AlphaBow Energy Ltd. A7H2	P18084	S-2	Discontinued	07-30-030-13W4	10-26-030-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-6	Operating	10-26-030-14W4	06-35-030-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-8	Operating	06-35-030-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-9	Operating	06-01-031-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-10	Discontinued	06-10-030-14W4	10-26-030-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-11	Discontinued	04-30-030-13W4	06-30-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P18084	S-14	Discontinued	16-30-030-13W4	07-30-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P17914	S-2	Operating	06-28-030-13W4	13-33-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P17784	S-1	Operating	04-09-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-2	Discontinued	11-25-055-19W5	16-24-055-19W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-9	Operating	16-24-055-19W5	11-17-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-10	Discontinued	16-18-055-18W5	11-17-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-14	Operating	11-17-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-17	Operating	14-08-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-18	Discontinued	14-08-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-19	Operating	02-17-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-20	Discontinued	02-17-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-21	Discontinued	12-09-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-22	Operating	08-08-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-23	Discontinued	08-08-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-24	Operating	16-05-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-25	Discontinued	16-05-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-26	Discontinued	04-09-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-27	Operating	14-04-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-28	Discontinued	14-04-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-29	Operating	07-04-055-18W5	10-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-31	Operating	10-04-055-18W5	12-09-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-32	Discontinued	07-04-055-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-33	Operating	08-05-055-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-34	Operating	13-33-054-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-35	Operating	13-33-054-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-37	Operating	05-33-054-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-38	Operating	15-32-054-18W5	13-33-054-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-39	Operating	05-19-055-18W5	04-19-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17784	S-40	Operating	15-28-054-18W5	05-33-054-18W5	Drayton Valley

AlphaBow Energy Ltd. A7H2	P17784	S-41	Operating	05-33-054-18W5	07-04-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P17578	S-2	Discontinued	08-18-029-18W4	02-18-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-5	Discontinued	01-18-029-18W4	02-18-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-8	Discontinued	07-18-029-18W4	02-18-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-9	Discontinued	02-18-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-10	Discontinued	02-18-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-12	Operating	16-07-029-18W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-13	Operating	16-07-029-18W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17578	S-14	Discontinued	02-18-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P17461	S-2	Operating	11-18-031-13W4	06-07-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P16547	S-3	Discontinued	12-24-026-12W4	13-24-026-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P16547	S-5	Discontinued	10-26-026-11W4	12-24-026-12W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P16490	S-1	Operating	08-05-041-25W4	11-03-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-2	Operating	11-03-041-25W4	10-10-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-3	Discontinued	09-05-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-4	Discontinued	09-08-041-25W4	01-08-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-5	Discontinued	06-08-041-25W4	01-08-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-7	Discontinued	01-08-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16490	S-8	Discontinued	06-09-041-25W4	01-08-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P16266	S-1	Operating	16-18-055-18W5	11-17-055-18W5	Drayton Valley
AlphaBow Energy Ltd. A7H2	P15866	S-29	Operating	10-16-064-14W4	10-11-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-49	Discontinued	03-06-063-13W4	07-01-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-53	Operating	07-08-063-13W4	16-05-063-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-71	Operating	10-20-064-14W4	04-21-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-72	Operating	10-10-064-14W4	15-10-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-76	Operating	01-23-064-14W4	11-13-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-81	Discontinued	04-12-063-14W4	10-01-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-90	Discontinued	03-01-063-14W4	04-06-063-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-93	Operating	08-02-065-14W4	11-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-94	Operating	15-08-064-14W4	10-16-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-95	Discontinued	16-09-064-14W4	03-15-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-96	Operating	15-03-064-14W4	09-02-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-97	Discontinued	03-35-064-14W4	14-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-98	Discontinued	15-18-064-13W4	12-19-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-99	Operating	09-21-064-14W4	04-21-064-14W4	Bonnyville



AlphaBow Energy Ltd. A7H2	P15866	S-102	Operating	10-25-064-14W4	09-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-109	Operating	07-06-065-15W4	07-06-065-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-110	Discontinued	16-18-065-13W4	01-19-065-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-111	Operating	05-27-064-13W4	05-27-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-112	Operating	04-05-063-13W4	04-05-063-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-118	Operating	02-12-065-14W4	05-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-124	Discontinued	02-09-066-13W4	01-08-066-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-125	Discontinued	10-36-062-14W4	12-36-062-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-127	Operating	16-05-063-13W4	03-06-063-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-129	Discontinued	03-07-063-13W4	03-12-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-130	Discontinued	16-25-063-14W4	12-36-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-131	Operating	10-16-064-13W4	11-21-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-132	Operating	11-21-064-13W4	15-20-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-133	Operating	15-20-064-13W4	12-19-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-134	Operating	12-15-064-13W4	10-16-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-136	Operating	10-04-064-14W4	10-03-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-141	Operating	03-12-065-14W4	06-12-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-142	Operating	07-03-065-14W4	08-02-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-154	Operating	14-36-064-14W4	06-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-158	Operating	12-06-063-13W4	06-06-063-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-168	Discontinued	04-36-062-14W4	12-36-062-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-169	Discontinued	01-01-063-14W4	02-01-063-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-170	Operating	04-03-064-14W4	12-03-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-171	Operating	11-01-065-14W4	11-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-172	Operating	06-02-065-14W4	06-02-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-174	Operating	10-02-065-14W4	07-02-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-177	Operating	06-22-064-13W4	03-21-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-182	Operating	05-01-065-14W4	05-01-065-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-186	Discontinued	10-22-064-13W4	06-22-064-13W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-187	Operating	14-05-065-15W4	07-06-065-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-188	Operating	14-25-064-14W4	10-25-064-14W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15866	S-189	Discontinued	14-05-065-15W4	07-06-065-15W4	Bonnyville
AlphaBow Energy Ltd. A7H2	P15770	S-1	Discontinued	03-01-042-25W4	01-35-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P15535	S-3	Discontinued	05-22-041-25W4	02-15-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P15423	S-1	Discontinued	10-04-041-25W4	04-04-041-25W4	Red Deer



AlphaBow Energy Ltd. A7H2	P15423	S-2	Operating	02-04-041-25W4	04-04-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P15277	S-2	Operating	04-08-029-18W4	01-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15277	S-6	Operating	05-08-029-18W4	04-08-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15277	S-7	Discontinued	16-06-029-18W4	01-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15277	S-8	Operating	04-08-029-18W4	01-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15276	S-1	Discontinued	16-07-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15276	S-2	Operating	15-07-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15276	S-4	Operating	10-07-029-18W4	16-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P15013	S-1	Discontinued	16-21-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P15013	S-2	Discontinued	16-21-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14518	S-1	Discontinued	02-30-036-21W4	16-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14518	S-2	Operating	08-30-036-21W4	16-19-036-21W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14158	S-2	Operating	04-27-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14158	S-3	Discontinued	11-22-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14158	S-4	Discontinued	11-22-041-25W4	11-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14157	S-3	Discontinued	07-27-041-25W4	15-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14157	S-4	Operating	06-26-041-25W4	15-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14157	S-5	Discontinued	10-26-041-25W4	15-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14084	S-1	Operating	15-22-041-25W4	05-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P14084	S-2	Operating	15-22-041-25W4	05-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-1	Discontinued	06-05-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-2	Discontinued	08-05-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-3	Operating	08-05-041-25W4	08-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-4	Discontinued	09-03-041-25W4	11-03-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-5	Discontinued	11-03-041-25W4	11-03-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13656	S-8	Discontinued	08-06-041-25W4	14-05-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13540	S-1	Operating	11-22-041-25W4	05-22-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13514	S-2	Discontinued	14-23-041-25W4	16-23-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13514	S-4	Operating	11-25-041-25W4	16-23-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P13503	S-1	Operating	06-01-031-14W4	03-02-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-2	Operating	10-34-030-13W4	06-06-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-3	Operating	06-06-031-13W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-4	Operating	06-01-031-14W4	06-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-5	Operating	06-06-031-13W4	06-06-031-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-6	Operating	06-06-031-13W4	06-06-031-13W4	Medicine Hat

AlphaBow Energy Ltd. A7H2	P13027	S-7	Discontinued	15-32-030-13W4	15-32-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-8	Discontinued	16-34-030-13W4	10-34-030-13W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P13027	S-9	Operating	01-01-031-14W4	01-01-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P12833	S-5	Operating	07-06-011-10W4	11-05-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P12739	S-2	Discontinued	12-10-041-25W4	10-10-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P12739	S-3	Operating	01-09-041-25W4	10-10-041-25W4	Red Deer
AlphaBow Energy Ltd. A7H2	P11281	S-2	Discontinued	10-24-040-10W4	10-24-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-3	Discontinued	10-24-040-10W4	10-24-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-4	Discontinued	04-27-040-10W4	04-26-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-5	Discontinued	04-26-040-10W4	10-24-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-6	Discontinued	10-24-040-10W4	07-24-040-10W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-7	Discontinued	07-24-040-10W4	16-18-040-09W4	Wainwright
AlphaBow Energy Ltd. A7H2	P11281	S-9	Operating	16-18-040-09W4	13-17-040-09W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10932	S-1	Operating	03-26-049-13W4	02-27-049-13W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10761	S-1	Operating	06-03-032-13W4	08-25-031-14W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10605	S-1	Operating	10-31-010-10W4	06-09-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10605	S-5	Operating	09-25-010-11W4	10-31-010-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10605	S-7	Operating	08-36-010-11W4	14-30-010-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10605	S-8	Operating	06-09-011-10W4	04-16-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10605	S-9	Operating	04-16-011-10W4	02-17-011-10W4	Medicine Hat
AlphaBow Energy Ltd. A7H2	P10587	I-1	Operating	06-33-052-14W4		Wainwright
AlphaBow Energy Ltd. A7H2	P10587	S-1	Operating	06-33-052-14W4	06-33-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10587	S-2	Operating	06-33-052-14W4	16-34-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10327	S-1	Operating	04-25-051-15W4	15-23-051-15W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10256	S-1	Discontinued	11-12-052-14W4	11-01-052-14W4	Wainwright
AlphaBow Energy Ltd. A7H2	P10213	S-1	Operating	01-07-029-18W4	08-07-029-18W4	Calgary
AlphaBow Energy Ltd. A7H2	P10213	S-2	Discontinued	16-07-029-18W4	08-07-029-18W4	Calgary

Company Name	Licence	Entity Status	Surface Location	Field Centre	WIP Current Name	WIP Interest, %
AlphaBow Energy Ltd. A7H2	F9290	Amended	16-32-043-26W4	Red Deer	AlphaBow Energy Ltd.	51.63%
AlphaBow Energy Ltd. A7H2	F9290	Amended	16-32-043-26W4	Red Deer	Glencoe Resources Ltd.	48.37%
AlphaBow Energy Ltd. A7H2	F9287	Issued	16-02-043-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	F9287	Issued	16-02-043-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	F9249	Issued	14-18-043-22W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F9030	Issued	16-34-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.01%
AlphaBow Energy Ltd. A7H2	F9030	Issued	16-34-042-26W4	Red Deer	Glencoe Resources Ltd.	47.99%
AlphaBow Energy Ltd. A7H2	F9029	Issued	14-26-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	F9029	Issued	14-26-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	F9028	Issued	06-25-042-26W4	Red Deer	AlphaBow Energy Ltd.	52.04%
AlphaBow Energy Ltd. A7H2	F9028	Issued	06-25-042-26W4	Red Deer	Glencoe Resources Ltd.	47.96%
AlphaBow Energy Ltd. A7H2	F9027	Issued	08-24-042-26W4	Red Deer	AlphaBow Energy Ltd.	51.96%
AlphaBow Energy Ltd. A7H2	F9027	Issued	08-24-042-26W4	Red Deer	Glencoe Resources Ltd.	48.04%
AlphaBow Energy Ltd. A7H2	F9026	Amended	14-13-042-26W4	Red Deer	AlphaBow Energy Ltd.	12.65%
AlphaBow Energy Ltd. A7H2	F9026	Amended	14-13-042-26W4	Red Deer	Canadian Natural Resources Limited	0.25%
AlphaBow Energy Ltd. A7H2	F9026	Amended	14-13-042-26W4	Red Deer	Glencoe Resources Ltd.	87.09%
AlphaBow Energy Ltd. A7H2	F9026	Amended	14-13-042-26W4	Red Deer	Questfire Energy Corp.	0.00%
AlphaBow Energy Ltd. A7H2	F9023	Issued	06-18-042-25W4	Red Deer	AlphaBow Energy Ltd.	66.13%
AlphaBow Energy Ltd. A7H2	F9023	Issued	06-18-042-25W4	Red Deer	Glencoe Resources Ltd.	33.87%
AlphaBow Energy Ltd. A7H2	F8764	Issued	16-23-041-25W4	Red Deer	AlphaBow Energy Ltd.	37.96%
AlphaBow Energy Ltd. A7H2	F8764	Issued	16-23-041-25W4	Red Deer	Glencoe Resources Ltd.	66.08%
AlphaBow Energy Ltd. A7H2	F8763	Issued	15-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.26%
AlphaBow Energy Ltd. A7H2	F8763	Issued	15-22-041-25W4	Red Deer	Glencoe Resources Ltd.	46.74%
AlphaBow Energy Ltd. A7H2	F8761	Issued	11-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	42.26%
AlphaBow Energy Ltd. A7H2	F8761	Issued	11-22-041-25W4	Red Deer	Glencoe Resources Ltd.	57.74%
AlphaBow Energy Ltd. A7H2	F8759	Issued	05-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.65%
AlphaBow Energy Ltd. A7H2	F8759	Issued	05-22-041-25W4	Red Deer	Glencoe Resources Ltd.	46.35%
AlphaBow Energy Ltd. A7H2	F8758	Issued	05-22-041-25W4	Red Deer	AlphaBow Energy Ltd.	53.72%
AlphaBow Energy Ltd. A7H2	F8758	Issued	05-22-041-25W4	Red Deer	Glencoe Resources Ltd.	46.28%
AlphaBow Energy Ltd. A7H2	F8752	Issued	10-10-041-25W4	Red Deer	AlphaBow Energy Ltd.	45.19%
AlphaBow Energy Ltd. A7H2	F8752	Issued	10-10-041-25W4	Red Deer	Glencoe Resources Ltd.	54.81%

AlphaBow Energy Ltd. A7H2	F8751	Issued	14-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	55.00%
AlphaBow Energy Ltd. A7H2	F8751	Issued	14-05-041-25W4	Red Deer	Glencoe Resources Ltd.	45.00%
AlphaBow Energy Ltd. A7H2	F8750	Issued	08-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.79%
AlphaBow Energy Ltd. A7H2	F8750	Issued	08-05-041-25W4	Red Deer	Glencoe Resources Ltd.	49.21%
AlphaBow Energy Ltd. A7H2	F8748	Issued	08-05-041-25W4	Red Deer	AlphaBow Energy Ltd.	50.79%
AlphaBow Energy Ltd. A7H2	F8748	Issued	08-05-041-25W4	Red Deer	Glencoe Resources Ltd.	49.21%
AlphaBow Energy Ltd. A7H2	F8747	Issued	04-04-041-25W4	Red Deer	1864094 Alberta Ltd.	16.56%
AlphaBow Energy Ltd. A7H2	F8747	Issued	04-04-041-25W4	Red Deer	AlphaBow Energy Ltd.	59.61%
AlphaBow Energy Ltd. A7H2	F8747	Issued	04-04-041-25W4	Red Deer	Sinopec Daylight Energy Ltd.	23.83%
AlphaBow Energy Ltd. A7H2	F8746	Amended	11-03-041-25W4	Red Deer	AlphaBow Energy Ltd.	47.48%
AlphaBow Energy Ltd. A7H2	F8746	Amended	11-03-041-25W4	Red Deer	Glencoe Resources Ltd.	52.52%
AlphaBow Energy Ltd. A7H2	F8744	Amended	11-02-041-25W4	Red Deer	AlphaBow Energy Ltd.	52.50%
AlphaBow Energy Ltd. A7H2	F8744	Amended	11-02-041-25W4	Red Deer	Glencoe Resources Ltd.	47.50%
AlphaBow Energy Ltd. A7H2	F8741	Issued	14-19-041-24W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F8741	Issued	14-19-041-24W4	Red Deer	Glencoe Resources Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F8669	Amended	01-14-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F8615	Issued	16-18-041-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F8065	Issued	11-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F8001	Issued	07-19-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7999	Issued	03-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7992	Issued	02-17-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7989	Issued	04-16-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7981	Issued	11-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7979	Issued	06-09-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7973	Issued	06-08-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7970	Amended	07-07-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7913	Issued	08-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7912	Amended	02-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7896	Issued	13-30-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7889	Issued	04-27-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7887	Issued	05-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7867	Issued	06-16-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7774	Issued	01-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7773	Issued	15-28-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7771	Issued	13-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%

AlphaBow Energy Ltd. A7H2	F7768	Amended	06-27-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7757	Amended	07-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7755	Issued	09-20-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7530	Issued	06-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7510	Amended	12-28-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F7489	Amended	13-27-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F6999	Issued	15-01-039-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F6609	Amended	09-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	91.90%
AlphaBow Energy Ltd. A7H2	F6609	Amended	09-21-038-23W4	Red Deer	Surge General Partnership	8.10%
AlphaBow Energy Ltd. A7H2	F6608	Amended	09-21-038-23W4	Red Deer	AlphaBow Energy Ltd.	91.90%
AlphaBow Energy Ltd. A7H2	F6608	Amended	09-21-038-23W4	Red Deer	Surge Energy Inc.	8.10%
AlphaBow Energy Ltd. A7H2	F5636	Issued	09-36-036-25W4	Red Deer	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F5636	Issued	09-36-036-25W4	Red Deer	Sun Century Petroleum Corporation	50.00%
AlphaBow Energy Ltd. A7H2	F5624	Issued	16-19-036-21W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F5503	Issued	04-31-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F5493	Issued	01-30-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F5460	Issued	09-16-036-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F503	Issued	12-05-010-19W4	Medicine Hat	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	F503	Issued	12-05-010-19W4	Medicine Hat	Ipc Canada Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	F4686	Issued	05-11-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F4683	Issued	08-01-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F46809	Issued	07-03-035-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F46308	Issued	02-27-031-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F45965	Issued	01-17-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F45334	Issued	06-33-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F44895	Issued	07-21-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F44667	Issued	07-09-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F4364	Issued	02-04-032-24W4	Red Deer	AlphaBow Energy Ltd.	75.78%
AlphaBow Energy Ltd. A7H2	F4364	Issued	02-04-032-24W4	Red Deer	Canadian Natural Resources Limited	7.42%
AlphaBow Energy Ltd. A7H2	F4364	Issued	02-04-032-24W4	Red Deer	Forent Energy Ltd.	16.80%
AlphaBow Energy Ltd. A7H2	F43004	Issued	10-28-039-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42894	Issued	08-19-024-19W4	Calgary	AlphaBow Energy Ltd.	38.30%
AlphaBow Energy Ltd. A7H2	F42894	Issued	08-19-024-19W4	Calgary	Palliser Production Management Ltd.	39.63%
AlphaBow Energy Ltd. A7H2	F42894	Issued	08-19-024-19W4	Calgary	Tallahassee Exploration Inc.	16.41%
AlphaBow Energy Ltd. A7H2	F42894	Issued	08-19-024-19W4	Calgary	Torxen Energy Ltd.	5.66%



AlphaBow Energy Ltd. A7H2	F42412	Issued	14-24-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42404	Issued	03-07-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42403	Issued	04-31-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42399	Issued	13-13-064-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42398	Issued	10-03-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42397	Issued	02-27-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42396	Issued	12-08-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42395	Issued	13-13-064-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42394	Issued	15-03-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42393	Issued	03-02-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42392	Issued	12-19-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42391	Issued	12-36-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42390	Issued	16-31-062-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42389	Issued	07-35-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42388	Issued	12-36-062-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42387	Issued	06-34-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42386	Issued	15-06-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42385	Issued	11-31-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42384	Issued	05-27-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42383	Issued	09-15-063-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42382	Issued	10-35-062-14W4	Bonnyville	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F42382	Issued	10-35-062-14W4	Bonnyville	Canadian Natural Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	F42237	Issued	12-01-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42232	Issued	16-27-065-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42231	Issued	11-01-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42221	Issued	04-21-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42219	Issued	07-15-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42209	Issued	03-12-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42197	Issued	08-14-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42196	Issued	08-02-065-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42195	Issued	14-25-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42192	Issued	08-13-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42189	Issued	06-30-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42186	Issued	06-06-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42178	Issued	07-04-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%



AlphaBow Energy Ltd. A7H2	F42174	Issued	15-05-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42170	Issued	01-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42139	Issued	11-05-033-10W4	Wainwright	AlphaBow Energy Ltd.	25.00%
AlphaBow Energy Ltd. A7H2	F42139	Issued	11-05-033-10W4	Wainwright	Signalta Resources Limited	12.50%
AlphaBow Energy Ltd. A7H2	F42139	Issued	11-05-033-10W4	Wainwright	Surge General Partnership	62.50%
AlphaBow Energy Ltd. A7H2	F42069	Issued	11-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F42065	Issued	13-24-039-08W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F4191	Amended	06-01-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F41786	Issued	16-27-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F41481	Issued	01-33-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	43.75%
AlphaBow Energy Ltd. A7H2	F41481	Issued	01-33-057-20W5	Drayton Valley	Sinopec Daylight Energy Ltd.	27.08%
AlphaBow Energy Ltd. A7H2	F41481	Issued	01-33-057-20W5	Drayton Valley	Tallahassee Exploration Inc.	29.17%
AlphaBow Energy Ltd. A7H2	F40869	Issued	16-18-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40860	Issued	10-12-041-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40763	Issued	08-21-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40748	Issued	06-22-064-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40735	Issued	11-14-056-16W4	Wainwright	AlphaBow Energy Ltd.	92.60%
AlphaBow Energy Ltd. A7H2	F40735	Issued	11-14-056-16W4	Wainwright	Sequoia Resources Corp.	7.40%
AlphaBow Energy Ltd. A7H2	F40730	Issued	04-15-008-20W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40673	Issued	11-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40664	Issued	12-33-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40605	Issued	03-22-057-20W5	Drayton Valley	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F40486	Issued	01-08-065-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39857	Issued	15-30-051-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39840	Issued	07-12-051-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39798	Issued	08-12-043-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39773	Issued	01-28-058-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39735	Issued	04-22-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39725	Issued	06-21-007-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39593	Issued	13-34-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39421	Issued	04-16-040-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39350	Issued	14-20-041-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39237	Issued	01-28-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F39123	Issued	08-04-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F3893	Amended	08-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%

AlphaBow Energy Ltd. A7H2	F3892	Issued	08-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F3891	Amended	13-36-029-16W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F38774	Issued	12-01-043-28W4	Red Deer	AlphaBow Energy Ltd.	48.15%
AlphaBow Energy Ltd. A7H2	F38774	Issued	12-01-043-28W4	Red Deer	Bonavista Energy Corporation	35.85%
AlphaBow Energy Ltd. A7H2	F38774	Issued	12-01-043-28W4	Red Deer	Point Loma Resources Ltd.	16.01%
AlphaBow Energy Ltd. A7H2	F38595	Issued	07-05-031-09W4	Medicine Hat	AlphaBow Energy Ltd.	60.00%
AlphaBow Energy Ltd. A7H2	F38595	Issued	07-05-031-09W4	Medicine Hat	Canadian Natural Resources Limited	40.00%
AlphaBow Energy Ltd. A7H2	F38418	Issued	12-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F38271	Issued	01-29-041-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F38221	Amended	12-15-042-15W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F38199	Issued	06-09-031-25W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37849	Issued	14-20-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F3774	Issued	08-08-028-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37632	Issued	15-33-040-01W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37517	Issued	11-08-029-17W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37415	Issued	14-12-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	40.00%
AlphaBow Energy Ltd. A7H2	F37415	Issued	14-12-031-14W4	Medicine Hat	Canadian Natural Resources Limited	60.00%
AlphaBow Energy Ltd. A7H2	F37414	Issued	05-34-042-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37412	Issued	06-13-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F37406	Issued	06-23-031-14W4	Medicine Hat	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F37406	Issued	06-23-031-14W4	Medicine Hat	Signalta Resources Limited	50.00%
AlphaBow Energy Ltd. A7H2	F37186	Issued	01-13-061-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F37186	Issued	01-13-061-21W5	Edmonton	Tallahassee Exploration Inc.	50.00%
AlphaBow Energy Ltd. A7H2	F37129	Issued	06-33-040-11W4	Wainwright	AlphaBow Energy Ltd.	66.67%
AlphaBow Energy Ltd. A7H2	F37129	Issued	06-33-040-11W4	Wainwright	Harvest Operations Corp.	33.33%
AlphaBow Energy Ltd. A7H2	F36292	Issued	08-13-043-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F36091	Issued	06-20-055-18W4	Edmonton	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F35960	Issued	11-36-062-15W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F35232	Issued	12-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F34946	Issued	14-04-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F34946	Issued	14-04-060-21W5	Edmonton	Tallahassee Exploration Inc.	50.00%
AlphaBow Energy Ltd. A7H2	F34914	Issued	07-08-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F34914	Issued	07-08-060-21W5	Edmonton	Tallahassee Exploration Inc.	50.00%
AlphaBow Energy Ltd. A7H2	F34824	Issued	13-23-056-16W4	Wainwright	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F34824	Issued	13-23-056-16W4	Wainwright	Sequoia Resources Corp.	50.00%

AlphaBow Energy Ltd. A7H2	F34758	Issued	06-36-049-14W4	Wainwright	AlphaBow Energy Ltd.	74.59%
AlphaBow Energy Ltd. A7H2	F34758	Issued	06-36-049-14W4	Wainwright	Enercapita Energy Ltd.	8.01%
AlphaBow Energy Ltd. A7H2	F34758	Issued	06-36-049-14W4	Wainwright	Sequoia Resources Corp.	17.40%
AlphaBow Energy Ltd. A7H2	F34688	Issued	01-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F34687	Issued	16-07-029-18W4	Calgary	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F34338	Issued	10-09-060-21W5	Edmonton	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F34338	Issued	10-09-060-21W5	Edmonton	Tallahassee Exploration Inc.	50.00%
AlphaBow Energy Ltd. A7H2	F34176	Issued	04-33-051-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F34092	Amended	03-04-039-25W4	Red Deer	AlphaBow Energy Ltd.	51.00%
AlphaBow Energy Ltd. A7H2	F34092	Amended	03-04-039-25W4	Red Deer	Glencoe Resources Ltd.	49.00%
AlphaBow Energy Ltd. A7H2	F33789	Amended	05-30-039-25W4	Red Deer	AlphaBow Energy Ltd.	51.00%
AlphaBow Energy Ltd. A7H2	F33789	Amended	05-30-039-25W4	Red Deer	Glencoe Resources Ltd.	49.00%
AlphaBow Energy Ltd. A7H2	F33661	Issued	10-27-032-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32954	Amended	08-04-033-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32801	Amended	07-29-005-18W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32786	Issued	08-29-040-10W4	Wainwright	AlphaBow Energy Ltd.	90.50%
AlphaBow Energy Ltd. A7H2	F32786	Issued	08-29-040-10W4	Wainwright	Cleo Energy Corp.	7.00%
AlphaBow Energy Ltd. A7H2	F32786	Issued	08-29-040-10W4	Wainwright	Eni Canada Holding Ltd.	2.50%
AlphaBow Energy Ltd. A7H2	F32565	Issued	16-07-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32564	Issued	06-12-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32563	Issued	16-11-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32562	Issued	09-09-034-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F32496	Issued	13-21-040-07W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F31966	Issued	07-16-064-20W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	F31966	Issued	07-16-064-20W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	F31912	Amended	16-29-013-12W4	Medicine Hat	AlphaBow Energy Ltd.	91.99%
AlphaBow Energy Ltd. A7H2	F31912	Amended	16-29-013-12W4	Medicine Hat	Rio Petro Ltd.	8.01%
AlphaBow Energy Ltd. A7H2	F31778	Issued	14-24-040-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F31646	Amended	09-25-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F31434	Issued	13-27-057-16W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30555	Issued	08-21-050-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30540	Amended	13-28-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30522	Amended	14-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30352	Amended	10-02-064-14W4	Bonnyville	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30351	Amended	03-06-063-13W4	Bonnyville	AlphaBow Energy Ltd.	100.00%

AlphaBow Energy Ltd. A7H2	F30338	Issued	11-35-040-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30243	Issued	10-13-034-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30089	Issued	07-36-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30077	Issued	16-24-033-12W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30071	Issued	08-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30039	Issued	06-08-034-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F30038	Issued	14-18-033-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F29885	Issued	01-24-055-04W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F29885	Issued	01-24-055-04W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	F29474	Amended	06-03-043-28W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F29391	Issued	07-02-032-14W4	Medicine Hat	AlphaBow Energy Ltd.	75.00%
AlphaBow Energy Ltd. A7H2	F29391	Issued	07-02-032-14W4	Medicine Hat	Canadian Natural Resources Limited	25.00%
AlphaBow Energy Ltd. A7H2	F29262	Issued	06-33-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F28306	Issued	05-17-055-03W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F28306	Issued	05-17-055-03W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	F283	Issued	08-02-008-19W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F27928	Issued	02-17-011-10W4	Medicine Hat	AlphaBow Energy Ltd.	94.01%
AlphaBow Energy Ltd. A7H2	F27928	Issued	02-17-011-10W4	Medicine Hat	Canadian Natural Resources Limited	5.99%
AlphaBow Energy Ltd. A7H2	F27920	Issued	06-19-059-14W5	Edmonton	AlphaBow Energy Ltd.	70.00%
AlphaBow Energy Ltd. A7H2	F27920	Issued	06-19-059-14W5	Edmonton	Tallahassee Exploration Inc.	30.00%
AlphaBow Energy Ltd. A7H2	F27622	Issued	15-33-031-10W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F27375	Issued	06-20-057-18W5	Drayton Valley	AlphaBow Energy Ltd.	30.00%
AlphaBow Energy Ltd. A7H2	F27375	Issued	06-20-057-18W5	Drayton Valley	Whitecap Resources Inc.	70.00%
AlphaBow Energy Ltd. A7H2	F27362	Amended	07-34-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F27199	Issued	11-22-051-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F26562	Issued	12-15-031-15W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F26401	Issued	06-32-040-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F25868	Issued	11-23-040-10W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F25366	Issued	15-06-041-11W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F25268	Amended	04-30-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	66.42%
AlphaBow Energy Ltd. A7H2	F25268	Amended	04-30-055-18W5	Drayton Valley	Sinopec Daylight Energy Ltd.	5.11%
AlphaBow Energy Ltd. A7H2	F25268	Amended	04-30-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	28.47%
AlphaBow Energy Ltd. A7H2	F25086	Amended	03-03-030-11W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F22949	Issued	07-15-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	48.85%
AlphaBow Energy Ltd. A7H2	F22949	Issued	07-15-055-18W5	Drayton Valley	Bonavista Energy Corporation	30.21%



AlphaBow Energy Ltd. A7H2	F22949	Issued	07-15-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	20.94%
AlphaBow Energy Ltd. A7H2	F22787	Issued	10-17-064-19W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	F22787	Issued	10-17-064-19W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	F21899	Issued	12-36-049-13W4	Wainwright	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F21898	Issued	06-13-052-14W4	Wainwright	AlphaBow Energy Ltd.	88.02%
AlphaBow Energy Ltd. A7H2	F21898	Issued	06-13-052-14W4	Wainwright	Paramount Resources Ltd.	1.56%
AlphaBow Energy Ltd. A7H2	F21898	Issued	06-13-052-14W4	Wainwright	Signalta Resources Limited	10.42%
AlphaBow Energy Ltd. A7H2	F21897	Amended	04-25-051-15W4	Wainwright	AlphaBow Energy Ltd.	86.79%
AlphaBow Energy Ltd. A7H2	F21897	Amended	04-25-051-15W4	Wainwright	Enercapita Energy Ltd.	11.64%
AlphaBow Energy Ltd. A7H2	F21897	Amended	04-25-051-15W4	Wainwright	Pine Cliff Energy Ltd.	1.57%
AlphaBow Energy Ltd. A7H2	F21547	Issued	10-07-064-18W5	Edmonton	AlphaBow Energy Ltd.	98.89%
AlphaBow Energy Ltd. A7H2	F21547	Issued	10-07-064-18W5	Edmonton	TAQA North Ltd.	1.11%
AlphaBow Energy Ltd. A7H2	F215	Issued	16-23-007-21W4	Medicine Hat	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F21308	Amended	06-36-049-14W4	Wainwright	AlphaBow Energy Ltd.	71.43%
AlphaBow Energy Ltd. A7H2	F21308	Amended	06-36-049-14W4	Wainwright	Enercapita Energy Ltd.	7.37%
AlphaBow Energy Ltd. A7H2	F21308	Amended	06-36-049-14W4	Wainwright	Manitok Energy Inc.	5.05%
AlphaBow Energy Ltd. A7H2	F21308	Amended	06-36-049-14W4	Wainwright	Sequoia Resources Corp.	16.14%
AlphaBow Energy Ltd. A7H2	F20857	Issued	03-04-036-23W4	Red Deer	AlphaBow Energy Ltd.	100.00%
AlphaBow Energy Ltd. A7H2	F157	Issued	10-35-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	42.50%
AlphaBow Energy Ltd. A7H2	F157	Issued	10-35-006-19W4	Medicine Hat	Concrest Corporation Ltd.	3.72%
AlphaBow Energy Ltd. A7H2	F157	Issued	10-35-006-19W4	Medicine Hat	Federated Co-Operatives Limited	52.75%
AlphaBow Energy Ltd. A7H2	F157	Issued	10-35-006-19W4	Medicine Hat	Rofamco Investments Ltd.	1.03%
AlphaBow Energy Ltd. A7H2	F156	Issued	04-01-006-19W4	Medicine Hat	AlphaBow Energy Ltd.	80.33%
AlphaBow Energy Ltd. A7H2	F156	Issued	04-01-006-19W4	Medicine Hat	Concrest Corporation Ltd.	1.27%
AlphaBow Energy Ltd. A7H2	F156	Issued	04-01-006-19W4	Medicine Hat	Federated Co-Operatives Limited	18.04%
AlphaBow Energy Ltd. A7H2	F156	Issued	04-01-006-19W4	Medicine Hat	Rofamco Investments Ltd.	0.35%
AlphaBow Energy Ltd. A7H2	F13122	Issued	02-29-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	35.00%
AlphaBow Energy Ltd. A7H2	F13122	Issued	02-29-056-19W5	Drayton Valley	Bonavista Energy Corporation	50.00%
AlphaBow Energy Ltd. A7H2	F13122	Issued	02-29-056-19W5	Drayton Valley	Tallahassee Exploration Inc.	15.00%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	45.78%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Bonavista Energy Corporation	15.76%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Canadian Natural Resources Limited	1.17%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Fairholme Resources Ltd.	3.64%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Long Run Exploration Ltd.	11.12%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Questfire Energy Corp.	0.83%

AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Sinopec Daylight Energy Ltd.	2.08%
AlphaBow Energy Ltd. A7H2	F13120	Issued	03-21-056-19W5	Drayton Valley	Tallahassee Exploration Inc.	19.62%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	AlphaBow Energy Ltd.	48.10%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Bonavista Energy Corporation	14.43%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Canadian Natural Resources Northern A	2.18%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Fairholme Resources Ltd.	2.78%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Long Run Exploration Ltd.	10.33%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Questfire Energy Corp.	1.55%
AlphaBow Energy Ltd. A7H2	F13118	Amended	07-10-056-19W5	Drayton Valley	Tallahassee Exploration Inc.	20.62%
AlphaBow Energy Ltd. A7H2	F12832	Issued	12-09-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	37.72%
AlphaBow Energy Ltd. A7H2	F12832	Issued	12-09-055-18W5	Drayton Valley	Bonavista Energy Corporation	20.77%
AlphaBow Energy Ltd. A7H2	F12832	Issued	12-09-055-18W5	Drayton Valley	Coastal Resources Limited	3.70%
AlphaBow Energy Ltd. A7H2	F12832	Issued	12-09-055-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	21.64%
AlphaBow Energy Ltd. A7H2	F12832	Issued	12-09-055-18W5	Drayton Valley	Tallahassee Exploration Inc.	16.17%
AlphaBow Energy Ltd. A7H2	F12830	Issued	07-04-055-18W5	Drayton Valley	AlphaBow Energy Ltd.	45.21%
AlphaBow Energy Ltd. A7H2	F12830	Issued	07-04-055-18W5	Drayton Valley	Bonavista Energy Corporation	13.89%
AlphaBow Energy Ltd. A7H2	F12830	Issued	07-04-055-18W5	Drayton Valley	Repsol Oil & Gas Canada Inc.	21.53%
AlphaBow Energy Ltd. A7H2	F12830	Issued	07-04-055-18W5	Drayton Valley	Whitecap Resources Inc.	19.38%
AlphaBow Energy Ltd. A7H2	F12357	Issued	09-21-053-01W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F12357	Issued	09-21-053-01W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	F12356	Amended	13-12-053-01W6	Drayton Valley	AlphaBow Energy Ltd.	50.00%
AlphaBow Energy Ltd. A7H2	F12356	Amended	13-12-053-01W6	Drayton Valley	Petrus Resources Corp.	50.00%
AlphaBow Energy Ltd. A7H2	F12029	Issued	11-12-052-14W4	Wainwright	AlphaBow Energy Ltd.	100.00%



This is Exhibit "C" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**

**AlphaBow Energy Ltd.**  
**Regulatory Appeals of AER Orders**  
**(Regulatory Appeals 1943516 and**  
**1943521)**

February 28, 2024

Redacted

# Redacted

**Alberta Energy Regulator**

Decision 2024 ABAER 001: AlphaBow Energy Ltd., Regulatory Appeal of Orders

February 28, 2024

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Suite 1000, 250 – 5 Street SW

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Telephone: 403-297-8311

Inquiries (toll free): 1-855-297-8311

Email: [inquiries@aer.ca](mailto:inquiries@aer.ca)

Website: [www.aer.ca](http://www.aer.ca)

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## 2024 ABAER 001

### AlphaBow Energy Ltd.

### Regulatory Appeals 1943516 and 1943521 of AER Orders

#### Decision

[1] Having considered all of the evidence carefully, the Alberta Energy Regulator (AER) decided the following:

- The decision of the AER’s Closure and Liability Management branch (CLM) to issue the order to AlphaBow Energy Ltd. (AlphaBow) on March 30, 2023 (the March Order) is confirmed.
- The decision of the CLM to issue the order to AlphaBow on June 5, 2023 (the June Order) is confirmed.

[2] In reaching this decision, we, the AER hearing panel presiding over this proceeding, considered all relevant materials properly before us, including each party’s evidence and argument. Accordingly, references in this decision to specific portions of the evidence are intended to assist the reader in understanding our reasoning on a particular matter and do not mean that we did not consider all relevant portions of the evidence.

#### Introduction

##### Background

[3] AlphaBow is a privately-owned oil and gas company operating in Alberta. In 2018, through a series of amalgamations, Sequoia Operating Corp. ultimately became AlphaBow Energy Ltd. In the fourth quarter of 2022, AlphaBow produced about 4500 barrels of oil equivalent per day, consisting of about 80% gas and 20% medium and heavy oil. AlphaBow has oil and gas sites across Alberta, mostly in central Alberta. It holds 8147 AER licences comprising 3785 wells, 322 facilities, and 4040 pipeline segments. The estimated liability for these licences is \$264 million, and the inactive portion equates to \$155 million (about 58% of AlphaBow’s assets).

[4] From the information provided by both parties, it appears that AlphaBow has experienced financial challenges for much of its corporate life. The AER’s CLM and AlphaBow met regularly since 2019 for operational and business updates by AlphaBow, education and information by CLM about regulatory requirements, and discussion of AER concerns about AlphaBow’s compliance or liability status. Between 2019 and 2022, AlphaBow was active in asset retirement through site abandonment and reclamation. During that time, CLM grew concerned that AlphaBow’s licensee capability was deteriorating.

[5] In July 2022, CLM determined that AlphaBow posed an unreasonable risk and needed to demonstrate it could consistently meet its regulatory obligations and maintain compliance. On July 28, 2022, the AER restricted AlphaBow's licence eligibility status from General Eligibility to Limited Eligibility. This change prevented AlphaBow from acquiring new well or facility licences and prohibited the transfer of licences without AER approval. AlphaBow could, at any time, reapply for General Eligibility if it demonstrated it met all eligibility requirements. *Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals (Directive 067)* outlines the conditions to obtain General Eligibility, which include licensee residency requirements, adequacy of corporate insurance levels, provision of audited financial statements, and a comprehensive risk analysis by the AER that considers compliance history, financial health, and outstanding industry levies and debts owed to municipalities, landowners, and public land disposition fees or rental payments. In addition to meeting these standard licence eligibility conditions, AlphaBow was also expected to

- address outstanding noncompliances to improve field compliance to 75% and maintain that compliance level,
- demonstrate responsiveness to noncompliances and meet AER deadlines,
- provide a plan detailing how it would meet its 2022 mandatory closure spend target,
- provide a monthly written progress report, and
- supply quarterly financial statements.

[6] CLM stated that after AlphaBow's licence eligibility was restricted, there were no noticeable improvements in corporate performance (field compliance declined, reporting deadlines were not met, remediation work was not completed, and financial statements were not filed), increasing CLM's concerns about AlphaBow's capability to meet its regulatory and liability obligations. In March 2023, CLM shifted its focus from seeking that AlphaBow improve its compliance while incrementally decreasing liability to ensuring that AlphaBow provided reasonable care and measures for its assets.

[7] On March 29, 2023, CLM contacted AlphaBow to notify it of proposed regulatory action and offered a meeting to discuss the matter. No meeting occurred, and CLM issued the March Order to AlphaBow the next day (see appendix 1). The March Order compelled AlphaBow to do the following:

- Submit a reasonable care and measures (RCAM) plan within 30 days of the March Order and then implement the approved RCAM plan. The RCAM plan was to cover a range of operational matters, including addressing compliance issues, improving incident and emergency responsiveness, addressing sites needing environmental work, meeting AlphaBow's 2023 annual mandatory closure spend, and debt management.
- Submit an abandonment plan within 30 days that addresses all mineral lease expired wells, and then abandon those wells within six months of the March Order.

- Submit updated information about AlphaBow, including proof of corporate insurance, working interest participants associated with all licences, and names and contact details of all persons with direct or indirect control of AlphaBow.
- Submit interim quarterly financial statements from September 2022 to the present day and onwards and provide third-party audited financial statements within six months of the fiscal year-end.
- Post a security deposit of \$15 374 050 (representing 10% of AlphaBow's inactive liability) within 30 days of the March Order.

[8] Between March 30 and June 2, 2023, there was ongoing communication between AlphaBow and CLM regarding the March Order. From the issuance of the March Order through mid-May 2023, AlphaBow submitted much of the corporate information required and two management-prepared quarterly financial statements. From May 12 to 29, 2023, AlphaBow made eight written submissions to CLM focusing on proposals for the RCAM and abandonment plans, requirements for audited annual financial statements, and the security deposit. During that period, AlphaBow and CLM met once. CLM provided five written responses to AlphaBow's submissions. CLM's responses granted some timeline extensions and indicated willingness to consider alternative proposals, including a possible payment plan for the security deposit. CLM's responses also indicated in increasing detail that much of AlphaBow's proposals were unacceptable and set CLM's expectations for AlphaBow to meet the March Order's requirements.

[9] On May 25, 2023, CLM advised AlphaBow that it was considering escalating enforcement action against it due to its failure to comply with the March Order and offered a meeting to review a draft suspension order. On May 30, 2023, CLM and AlphaBow met to review and discuss the draft suspension order. On June 5, 2023, CLM issued the June Order (see appendix 2) directing AlphaBow to suspend and discontinue all licences in a safe manner. The June Order also stated that consideration would be given to lifting the suspension of operations if AlphaBow took the following actions:

- Comply with the March Order, including addressing the remaining noncompliances by providing a sufficiently detailed RCAM plan and paying the security deposit.
- Pay the AER 2023 administrative fee and the 2023 Orphan Fund Levy. These amounts had been due on May 4, 2023.
- Submit a reactivation plan for review and approval and then implement the approved plan.

[10] On September 6, 2023, the AER authorized the Orphan Well Association (OWA) to provide reasonable care and measures for all AlphaBow sites in accordance with the March and June Orders, and to suspend all sites as per the June Order. AlphaBow remains responsible for all costs and expenses incurred by the OWA concerning AlphaBow sites. The direction to the OWA is not under review in this proceeding.

## Requests for Regulatory Appeals

[11] On April 21, 2023, AlphaBow filed a request for a regulatory appeal of the AER's decision to issue the March Order. On June 9, 2023, AlphaBow filed a request for a regulatory appeal of the AER's decision to issue the June Order, including requests for an inquiry and a stay of the June Order.

[12] On June 13, 2023, the AER granted an interim stay of the June Order pending a decision on AlphaBow's inquiry request. The AER granted the requests for regulatory appeals on June 28, 2023, and set the matters down for a hearing. On July 5, 2023, the AER denied AlphaBow's request for an inquiry and indicated that the interim stay of the June Order would remain in place while we decided the request to stay the June Order as part of this proceeding. On August 14, 2023, we dismissed AlphaBow's stay request and vacated the interim stay of the June Order.

[13] The AER issued a notice of hearing on August 16, 2023. On September 6, 2023, CLM and AlphaBow confirmed their participation in the hearing. The AER issued the notice of scheduling of hearing on November 17, 2023. We identified the following hearing issues:

- Regarding the March Order (Regulatory Appeal 1943516):
  - Did the AER breach procedural fairness in issuing the order?
  - Did the AER exercise its discretion to issue the order in a manner that was unreasonable?
- Regarding the June Order (Regulatory Appeal 1943521):
  - Did the AER breach procedural fairness in issuing the order?
  - Did the AER exercise its discretion to issue the order in a manner that was unreasonable?
  - Did the AER fail to satisfy the requisite elements of section 27 of the *Oil and Gas Conservation Act* in issuing the order?

[14] The AER held a public oral hearing for this proceeding from November 27 to December 1, 2023. Hearing participants are listed in appendix 3.

[15] Although AER hearings are typically open to the public, we determined that it was necessary to conduct part of the hearing in private to prevent the disclosure of the sensitive financial information filed in this proceeding and protected under section 12.152(2) of the *Oil and Gas Conservation Rules (OGCR)* and section 49(6) of the *Alberta Energy Regulator Rules of Practice*. As such, oral testimony about these materials was heard in camera. Parties attending this in camera session filed undertakings stating that the party will hold in confidence any evidence heard in private.

[16] Any information that could directly or indirectly reveal the content of the confidential information has been redacted and included in the confidential portions of this decision as have the confidential positions of the parties and our related findings. A separate confidential decision, without redactions, will be issued for parties who have signed confidentiality undertakings in this proceeding.

## Regulatory Framework

### Regulatory Appeals

[17] The AER’s mandate under the *Responsible Energy Development Act (REDA)* is to provide for the efficient, safe, orderly, and environmentally responsible development of energy and mineral resources in Alberta.

[18] Under section 38(1) of *REDA*, an eligible person may request a regulatory appeal of an appealable decision. An “appealable decision” is a decision made by the AER under an energy resource enactment and made without a hearing. An “eligible person” is defined in section 36(b)(ii) of *REDA* as a person who is directly and adversely affected by a decision made under an energy resource enactment without a hearing. Acting on behalf of and in the name of the AER, the statutory decision maker (SDM) within CLM issued the March and June Orders (the legislative authority to issue those orders is discussed in the sections on regulatory framework for the March and June Orders).

[19] The AER determined that the conditions set out in the March and June Orders were sufficient to establish that AlphaBow may be directly and adversely affected by the orders and the orders were appealable decisions, as both were issued under the *Oil and Gas Conservation Act (OGCA)*, an energy resource enactment, without a hearing. The AER granted AlphaBow’s requests for a regulatory appeal of both orders and set them down for hearing.

[20] The hearing commissioners constituting this hearing panel are authorized under section 12 of *REDA* to carry out hearings of regulatory appeals and make decisions in the name of and on behalf of the AER. Pursuant to section 41(2) of *REDA*, we must determine whether to confirm, vary, suspend, or revoke CLM’s decision to issue the March and June Orders.

[21] As set out in section 15 of *REDA* and section 3 of the *Responsible Energy Development Act General Regulation*, in conducting a regulatory appeal in respect of an energy resource activity under an energy resource enactment, we must consider (a) the social and economic effects of the energy resource activity, (b) the effects of the energy resource activity on the environment, and (c) the impacts on a landowner as result of the use of the land on which the energy resource activity is or will be located. In addition to these factors, section 15 of *REDA* requires us to consider the interests of landowners.

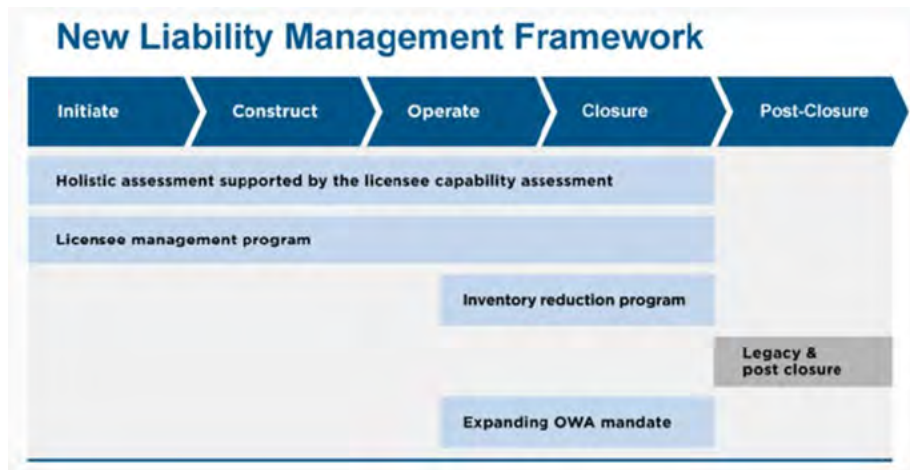
[22] In this proceeding, the onus was on AlphaBow as the regulatory appeal requester to persuade us that we should decide each issue in the way it advocated.



## Liability Management Framework

[23] The events leading up to the issuance of the March and June Orders occurred in an environment where the regulatory framework for Alberta’s oil and gas liabilities was undergoing several significant developments, including changes to how an operator’s financial risk regarding liabilities is assessed.

[24] In July 2020, the Government of Alberta announced the new liability management framework for the province’s oil and gas sector (see figure 1). The framework introduced a new approach for more actively managing the reclamation of oil and gas sites throughout their life cycle. The goal of the new framework was to reduce the inventory of inactive and orphaned wells and ensure more timely land restoration.



**Figure 1. New liability management framework**

[25] The AER was tasked with developing the programs, directives, and manuals to address each component of the new liability management framework. Ultimately, this involves replacing the licensee liability rating (LLR) system (historically shown not to be the best indicator of a company’s risk of insolvency) and establishing a new broader framework for the collection of security deposits. Although this work is still in progress, the AER implemented the first changes in December 2021. These changes are described in detail in *Directive 088: Licensee Life-Cycle Management (Directive 088)* and the supplementary *Manual 023: Licensee Life-Cycle Management (Manual 023)* and include the following:

- A holistic licensee assessment of a company’s capabilities and performance across the energy development life cycle, considering
  - risk assessment, documented in *Directive 067*,
  - financial health,
  - magnitude of liability,
  - remaining lifespan of resources,

- management and maintenance, including operational compliance,
  - rate of closure activities and expenditures, and
  - compliance with administrative regulatory requirements including management of debts.
- The Licensee Management Program, which assesses licensees who may be at risk of not meeting their regulatory and liability obligations, and the appropriate regulatory actions that can be taken to address the concerns.
  - The Inventory Reduction Program that sets annual mandatory closure spend quotas for industry and individual licensees. Each licensee has an annual mandatory closure spend and an optional supplemental closure spend. The mandatory component is a minimum financial obligation to abandon, remediate, and reclaim oil and gas sites. The AER announced on September 28, 2023, that the optional supplemental closure spend would be eliminated at the start of 2024.
  - Updates to application requirements related to the licence transfer process.
  - The first phase of improvements to security collection as part of the transition to a broader new framework, replacing the security collection method outlined in *Directive 006: Licensee Liability Rating (LLR) Program*. The amount of security required can be determined based on any combination of the following:
    - Value of liability calculated using *Directive 011: Licensee Liability Rating (LLR) Program: Updated Industry Parameters and Liability Costs*.
    - Value of site-specific liability under *Directive 001: Requirements for Site-Specific Liability Assessments*.
    - Future cash flows based on reserves and economic analysis.
    - Any other appropriate amount.

## The March Order

### Regulatory Framework for the March Order

[26] CLM issued the March Order under sections 26.2 and 27 of the *OGCA*, sections 1.100 and 12.152 of the *OGCR*, and section 22.1 of the *Pipeline Act*. Appendix 4 provides the text of these provisions.

#### *Oil and Gas Conservation Act*

[27] Section 26.2 of the *OGCA* requires licensees to provide reasonable care and measures to prevent impairment or damage related to oil and gas wells, facilities, and the sites on which they are located. If the AER is not satisfied that a licensee is providing reasonable care and measures, it can order a licensee, working interest participant, or delegated authority, such as the OWA, to provide reasonable care and measures. The AER can impose any terms and conditions it determines necessary in an order. Section 1(1)(aa.001) of the *OGCA* defines impairment or damage as “impairment or damage that results in or could reasonably be expected to result in harm to the integrity of a well or facility or harm to the environment, human health or safety or property.”

[28] Section 27 of the *OGCA* requires licensees to suspend or abandon wells or facilities when directed by the AER or required by the regulations or rules.

#### *Oil and Gas Conservation Rules*

[29] Section 1.100 of the *OGCR* addresses security deposits for wells and facilities. It sets out the circumstances in which the AER can require security deposits from licensees; the AER’s authority for administering security deposits and requiring additional security; acceptable forms of security; use of security by the AER; and return of security deposits to licensees.

[30] Section 12.152 of the *OGCR* gives the AER broad authority to direct licensees to provide financial and reserves information and establishes timeframes during which the AER must keep such information confidential.

[31] Section 3.012(a) of the *OGCR* requires a licensee to abandon a well when the mineral lease has terminated.

#### *Pipeline Act*

[32] Section 22.1 of the *Pipeline Act* imposes requirements for reasonable care and measures for pipelines, like those related to wells and facilities under section 26.2 of the *OGCA*. Licensees must provide reasonable care and measures to prevent impairment or damage to pipelines. If the AER is not satisfied that reasonable care and measures are being provided, it can order a licensee or delegated authority, such as the OWA, to provide reasonable care and measures for pipelines. The AER can impose any terms and conditions it considers appropriate in an order. Section 1(1)(k.1) of the *Pipeline Act* defines

impairment or damage as “impairment or damage that results in or could reasonably be expected to result in harm to the integrity of a pipeline, well or facility or harm to the environment, human health or safety or property.”

### **Was Procedural Fairness Breached For the March Order?**

[33] The relevant hearing issue is whether the AER breached procedural fairness in issuing the March Order to AlphaBow.

[34] Throughout this proceeding, it was apparent that context would be an important element of this decision. AlphaBow maintained that the AER should judge it on its accomplishments, rather than what it needed to do in the future. CLM advocated that the hearing panel take a broad view and consider the ongoing context of AlphaBow’s operations, performance, and compliance record. Both parties referred to specific events in the history of AlphaBow’s regulatory life. The March and June Orders each flow from the AER’s July 2022 decision to restrict AlphaBow’s licence eligibility and its activities since then. It seems forced and artificial to look only at specific time points, especially since both parties referred to the broader context. Consequently, using a broader context is more consistent with the nature of the July 2022 decision and the March and June Orders because the regulatory actions deal with AlphaBow’s operations as a whole and its ability to maintain safe operations and financial responsibility over the energy development life cycle.

[35] AlphaBow alleged that CLM breached its procedural fairness entitlements in issuing the March Order by

- failing to provide notice of the proposed March Order,
- denying AlphaBow the opportunity to defend against the March Order,
- denying AlphaBow knowledge of the case against it,
- making a decision tainted by a reasonable apprehension of bias,
- not providing adequate or intelligible reasons that sufficiently justified the decision, and
- making a decision that did not align with AER norms, guidelines, and precedents.

[36] We decided to deal with AlphaBow’s allegations of failing to provide notice, denying opportunity to defend against the March Order, and denying knowledge of the case against it as one related issue. The reasonable apprehension of bias and the allegation of making a decision that did not align with AER norms, guidelines, and precedents are discussed individually. The allegation that CLM did not provide adequate or intelligible reasons that sufficiently justified the decision is discussed in the section on the reasonableness of the March Order.

[37] The concept of procedural fairness is “eminently variable” and its content must be “decided in the specific context of each case” (*Baker v Canada*, 1999 SCC 699, para 21 [*Baker*]). The purpose of participatory rights contained within the duty of procedural fairness is to ensure use of a fair and open procedure to make administrative decisions (*Baker* at para 22). The procedure should be appropriate for the decision and its context and must provide an opportunity for those affected by the decision to fully provide their views and evidence and have those considered by the decision-maker (*Baker* at para 22).

[38] Relevant non-exhaustive factors that inform the content of the procedural fairness owed in a particular case include (*Canada (Minister of Citizenship and Immigration) v Vavilov*, 2019 SCC 65 at para 77 [*Vavilov*]; *Baker* at paras 23-28):

- The nature of the decision being made and the process followed in making it. The more the relevant process, the function of the tribunal, the nature of the decision-making body, and the determinations that must be made to reach a decision resemble judicial decision making, the greater the duty of procedural fairness.
- The nature of the statutory scheme and terms of the statute pursuant to which the body operates. Greater procedural protections are necessary where there is no statutory appeal process or the decision is determinative of the issue.
- The importance of the decision to the individuals affected. The more important the decision is to the lives of those affected and the greater its impact on that person or those persons, the more stringent the procedural protections will be. “The importance of a decision to the individuals affected, therefore, constitutes a significant factor affecting the content of the duty of procedural fairness.” (*Baker* at para 25)
- The legitimate expectations of the person challenging the decision, which does not create substantive rights. This factor considers promises or regular practices of administrative decision-makers and that it will generally be unfair for them to act in contravention of representations as to procedure.
- Considering and respecting the agency’s choices of procedure, particularly where the decision-maker has the ability under statute to choose its own procedures or has an expertise in choosing procedures appropriate to the circumstances. “While this, of course, is not determinative, important weight must be given to the choice of procedures made by the agency itself and its institutional constraints” (*Baker* at para 27).

[39] AlphaBow submitted that the breadth and depth of the procedural fairness obligations owed increases where the AER makes a decision that imposes significant consequences or is punitive in nature (*Vavilov* at paras 76-81; *Baker* at paras 31, 43; *Charkaoui v Canada*, 2007 SCC 9 at para 53; *Coulas v Ferus Natural Gas Fuels Inc.*, 2016 ABCA 332 at paras 13-16).

## Lack of Notice, of Opportunity to Defend Against the March Order and of Knowledge of the Case Against AlphaBow

### Parties' Positions

[40] Through submissions and evidence at the hearing, these allegations were tied to the lack of a pre-issuance meeting before CLM issued the March Order. As previously noted, CLM contacted AlphaBow on March 29, 2023, to notify it of proposed regulatory action and offer a meeting to discuss the matter. No meeting occurred, and CLM issued the March Order to AlphaBow the next day.

[41] There was extensive evidence about the interaction between the parties on March 29 – 30, 2023. Table 1 shows the sequence of communications about issuance of the March Order.

**Table 1. Communications between CLM and AlphaBow (March 29 and 30, 2023)**

Date and Time	Communication
March 29/23 (6:38 a.m.)	Email from CLM to AlphaBow CEO about possible regulatory action and request for meeting on March 30, 2023, to discuss
March 29/23 (10:43 a.m.)	Email from AlphaBow CEO to CLM requesting information about the proposed regulatory action.
March 29/23 (11:46 a.m.)	Email from CLM to AlphaBow CEO indicating that the proposed regulatory action and rationale will be “fully reviewed in the meeting”; asked whether AlphaBow wished to have counsel involvement and possibility of in-person meeting.
March 29/23 (11:55 a.m.)	Email from AlphaBow CEO to CLM indicating that he and the AlphaBow VP were leaving for vacation “tomorrow”; requested rescheduling to after Easter long weekend (13 days later); advised that he wanted AlphaBow counsel involved.
March 29/23 (1:16 p.m.)	Email from CLM to AlphaBow CEO offering meeting anytime March 29 or 30, 2023, for “an order he [SDM] is considering issuing,” indicated possibility of virtual meeting format.
March 29/23 (1:33 p.m.)	Email from AlphaBow counsel to CLM indicating the AlphaBow CEO was travelling today and anticipating a delayed response from him; requested additional meeting times and dates and further information.
March 29/23 (2:04 p.m.)	Email from CLM SDM to AlphaBow CEO advising of decision to issue order to be delivered March 30, 2023. SDM advised he is still available to meet at offered time on March 30, 2023, and will make himself available to answer AlphaBow questions regarding the order after it is issued.
March 29/23 (4:10 p.m.)	Email from AlphaBow counsel to CLM SDM advising she is seeking instructions and requesting CLM hold off issuing the order until further correspondence is received from AlphaBow counsel.
March 29/23 (4:37 p.m.)	Email from CLM staff to AlphaBow CEO, VP, and counsel requesting confirmation of who should receive the order when it is issued.



March 30/23 (7:52 a.m.)	Email from AlphaBow VP to CLM regarding recipients of order; "While travel may prevent attendance at a short notice meeting, it does not prevent us from receiving email or other communication."
March 30/23 (8:34 a.m.)	Email with letter from AlphaBow counsel to CLM SDM regarding procedural fairness, AER <i>Manual 013</i> , and the anticipated order: "AlphaBow respectfully requests that the AER remedy these deficiencies through providing AlphaBow with sufficient information regarding the allegation and proposed regulatory action, and an adequate opportunity to respond."
March 30/23 (12:14 p.m.)	Email from CLM to AlphaBow CEO, VP, and counsel issuing March Order to AlphaBow.
March 30/23 (1:06 p.m.)	Email from AlphaBow CEO to CLM confirming receipt of email and March Order.

[42] AlphaBow's CEO testified that when he was initially contacted on March 29, 2023, he felt that the regulatory action could be a very serious issue, even before he was aware of CLM's intent to issue an order. When asked under cross-examination how AlphaBow operations would run while he and AlphaBow's vice president were to be on vacation over spring break, he stated that AlphaBow had a strong operations team, including two production managers. In cross-examination, AlphaBow's CEO admitted that he did not go on vacation on March 29, 2023, stating he cancelled his vacation plans after receiving the SDM's email advising an order would be issued to AlphaBow. However, he did not advise CLM that he had decided to remain in Calgary. CLM testified that it was unaware of the CEO's change of plans until the CEO's testimony at the hearing.

[43] AlphaBow's CEO gave several reasons for not meeting with CLM about the proposed March Order:

- He indicated that the SDM had already made the decision to issue the order.
- English is not his first language; he preferred to meet in person rather than make a phone call to the SDM.
- He wanted to gather his team and know more about the regulatory action to be prepared to meet with CLM.

[44] The CEO indicated that AlphaBow's counsel had proposed an alternative date to CLM before the SDM stated he'd decided to issue an order. The record shows that AlphaBow's counsel asked CLM to provide alternative dates to meet, but there is no evidence that AlphaBow's counsel proposed alternative meeting dates.

[45] The SDM testified that he expected AlphaBow's CEO would contact him to discuss different dates and times for a pre-issuance meeting, but there was no such contact. When asked about hearing that AlphaBow's CEO cancelled his travel plans and was in Calgary March 29 and 30, 2023, the SDM stated that although he understood that the CEO would want others to accompany him to a pre-issuance

meeting, he was surprised that the CEO would not have met with him and was concerned that there was no one else the CEO could bring to a meeting, given that only one AlphaBow executive was on vacation at the time. The SDM also indicated that during March 29 and 30, he was concerned that there was no one available to meet with him, even if the AlphaBow CEO and vice president were both on vacation, stating: “Who was responsible for AlphaBow during that 13-day period if they couldn’t have a one-hour meeting with the Regulator about regulatory action... if there was an incident or anything major going on, who was going to handle it”?

[46] CLM provided the SDM’s record of his decision notes and supporting testimony. This included detailed discussion of the SDM’s thoughts and consideration about the email exchanges on March 29, 2023. The SDM felt that AlphaBow’s request to delay a pre-issuance meeting for almost two weeks was unreasonable and too great a risk, considering the evidence supporting the order and the order’s main focus being to ensure reasonable care and measures for AlphaBow sites. He indicated that it was reasonable to expect a licensee to have a responsible person available to meet with the AER for an hour, even by phone. The SDM also noted that he was not of the opinion that AlphaBow would be able to provide any new information to change the need for the required actions in the order. He stated that he considered the March Order’s requirements as primarily remedial in nature and that those requirements allow AlphaBow to submit acceptable plans to address the issues. The SDM also noted that he would always consider adjusting the order’s terms after the fact based on AlphaBow requests. CLM submitted that most of the March Order requirements were identical to those in the July 2022 letter restricting AlphaBow’s licence eligibility or documented in *Directive 067* for General Eligibility.

[47] The SDM’s record of decision notes and testimony also included detailed discussion of his thoughts and considerations on March 30, 2023, in determining to issue the March Order without a pre-issuance meeting. The SDM stated that he reviewed and considered the letter he received from AlphaBow counsel on March 30, 2023. His notes indicated that evidence supporting the decision and the March Order was information AlphaBow should have already been aware of and had previous chances to respond to prevent further action from being taken. The SDM considered that the requirements were primarily related to reasonable care and measures and normal operating requirements that any licensee is expected to meet and that AlphaBow had notice of most of the issues and expectations through the July 2022 decision to restrict its licence eligibility. He also noted that the AER internal order process states that a pre-issuance meeting is optional and that past decisions dealing specifically with security demands commonly did not have a pre-issuance meeting but provided a licensee direct notice of the decision to require security. CLM’s evidence indicated that the SDM had several concerns about the potential insolvency of AlphaBow, leading him to decide against postponing the pre-issuance meeting until after Easter, as proposed by AlphaBow. These concerns included information that AlphaBow was not paying some of its contractors, had not provided financial statements after multiple requests, nor provided proof of insurance renewal at that point in time.

[48] The SDM testified that AlphaBow did not contact him after issuance of the March Order to discuss concerns or request extensions and that the first meeting with AlphaBow after the March Order took place on May 18, 2023. The SDM stated that if he had been contacted, he would have considered AlphaBow's concerns and considered extending timelines in the March Order, if requested. AlphaBow did not request a meeting with CLM about the March Order until it received a letter from CLM dated May 16, 2023, advising that AlphaBow had failed to comply with the March Order and that the AER would be willing to consider proposals for achieving compliance, including a security payment plan and extended abandonment plan deadlines.

[49] AlphaBow cited *AER Manual 013: Compliance and Enforcement Program (Manual 013)* as creating a legitimate expectation that AlphaBow would be afforded its procedural fairness entitlements, including having an opportunity to know the case it needed to meet and the opportunity to fulsomely respond. Section 7 of *Manual 013* states:

Generally, a person will be provided with information to enable them to act in their best interests. A person should be provided with enough detail (this does not require disclosure of original documents or identification of confidential sources) about the allegation or complaint against them and about the impending decision affecting them to enable them to prepare a response or defence; detail might include

- reasons for the allegation, accusation, or complaint made against them;
- information or evidence on which the decision will be based;
- notice of the impending decision;
- relevant statutory provisions or authority; and
- possible consequences or penalties.

New evidence or information that might be relevant to a person's response or defence should also be provided if it arises after the initial information has been given. Procedural fairness includes providing a person with a reasonable opportunity to be heard or to respond to an allegation or complaint made against them.

[50] CLM submitted that *Manual 013* is a guideline for the AER and licensees but does not provide regulatory requirements. It also submitted that the AER's *Order Procedure Guide* indicates that a due process meeting is optional and gives examples of when such a meeting might not be required. Appendix 4 to the *Order Procedure Guide* states: "For example, orders that are being made in an emergency situation where time is of the essence, or that contain very clear direction, may not need a due process meeting." CLM submitted that the March Order is exactly the type of order that was contemplated as not necessarily requiring a due process meeting.

[51] CLM submitted that the lack of availability of an AlphaBow senior officer and no acting replacement to communicate with the AER for nearly two weeks increased the existing high risk presented by AlphaBow. CLM suggested delaying issuance of the March Order for the time requested by AlphaBow would have been contrary to the AER's mandate because of the potentially high consequences of a lack of reasonable care and measures for AlphaBow sites.

[52] AlphaBow also indicated that the SDM’s statements created legitimate expectations for procedural fairness entitlements. It referred to meeting notes from July 13, 2022, in advance of the July 2022 decision restricting AlphaBow’s licence eligibility, where the SDM noted: “If I decide to take any additional action I will provide AlphaBow notice and clearly outline all expectations with the goal of AlphaBow achieving compliance.”

[53] Both parties referred to the process CLM used to issue the July 2022 decision restricting AlphaBow’s licence eligibility, which included a pre-issuance meeting and subsequent submission by AlphaBow before the decision was issued. There was agreement about what process steps had occurred. AlphaBow submitted that the July 2022 process and *Manual 013* created legitimate expectations that the process should be followed for the March Order. CLM testimony suggested that AlphaBow would have known what to expect from the March 29, 2023, emails requesting a meeting about possible regulatory action, given its previous experience with restriction of its licence eligibility in July 2022.

[54] Both parties also discussed a regular quarterly update meeting between CLM and AlphaBow on March 7, 2023. The parties had been holding quarterly meetings since 2020. AlphaBow’s CEO testified that he thought the March 7 meeting had been positive and that the AER was happy with AlphaBow’s activities. Through cross-examination of CLM witnesses and in its final argument, AlphaBow submitted that CLM should have directly indicated to AlphaBow in the March 7 meeting that if their operations did not improve, an order would be forthcoming. CLM’s evidence maintained that although the meeting was professional, it did not view the meeting positively and that AlphaBow should have been concerned by what CLM communicated at that meeting. CLM reminded AlphaBow at the meeting of the regulatory requirements and specifically warned that “all regulatory deadlines are firm, and failure to meet the deadlines could result in regulatory action.” Notes from the March 7 meeting, which included the previous statement about regulatory action, were circulated to AlphaBow. AlphaBow added comments and edits to the meeting notes but did not appear to comment on that statement.

### Analysis and Findings

[55] Case authorities refer to ensuring a fair and open procedure for administrative decisions, with an opportunity for those affected to present their views and evidence and have it considered by the decision-maker; they emphasize the importance of context in determining procedural fairness requirements.

[56] We considered the *Baker* factors for informing the content of the procedural fairness owed to AlphaBow in the context of the decision to issue the March Order. In this case, we considered the following factors to be interrelated: the nature of the decision being made and the process followed in making it, the nature of the statutory scheme and the terms of the statute under which the deciding body operates, and considering and respecting the agency’s choices of procedure.

[57] Under *REDA* and the *OGCA*, the AER has a broad mandate to regulate energy and mineral resource activities in Alberta to ensure the efficient, safe, orderly, and environmentally responsible development of those resources. In issuing orders on behalf of the AER, the SDM has broad discretion regarding order terms and conditions, allowing the AER flexibility to effectively respond to varying circumstances and concerns regarding energy resource development. Neither *REDA*, the *OGCA*, nor relevant regulations legislate a process for issuing orders, but the AER provides process guidance through nonbinding guidance documents, such as *Manual 013* and the *Order Procedure Guide*.

[58] Although these guidance documents set out a structured process for the issuance of orders, the SDM has significant discretion and flexibility under the relevant statutes and rules. This includes the authority to choose between applicable compliance tools, a principle codified by section 69 of *REDA*, which empowers the AER to exercise any compliance or enforcement power or function under any of the enactments within its jurisdiction, and the ability to adapt regulatory actions and modify orders. The AER's issuance of an order is not a final or conclusive step. As mentioned, the SDM has the authority to modify and amend orders, and the March and June Orders are appealable decisions that were appealed by AlphaBow under *REDA*, resulting in this proceeding. The nature of the decision and process followed in making these orders does not warrant procedural obligations as high as those required in a court proceeding.

[59] Regarding the factor of the importance of the decision to the individual affected, the financial implications of both orders were significant to AlphaBow. Although the \$15 million security deposit was a small proportion of AlphaBow's liabilities, it was a large sum.

[60] Regarding the factor of legitimate expectations of the person challenging the decision, we considered the pre-issuance process used for the July 2022 decision restricting AlphaBow's licence eligibility and the AER's guidance for compliance actions, including *Manual 013* and the *Order Procedure Guide*. We note that AlphaBow had two previous experiences with the AER related to security deposit requirements and the SDM's evidence that past decisions dealing specifically with a security deposit requirement commonly did not have a pre-issuance meeting.

[61] In considering the applicable context for assessing the level of procedural fairness owed to AlphaBow, as discussed previously, we believe that we must look beyond what occurred on March 29 and 30, 2023, to consider the broad context and history and the ongoing relationship and interaction between the parties. Only focusing on those two days would be too narrow and would not present an accurate view of the circumstances and obligations of both parties and the concerns about AlphaBow's operations. The evidence showed an ongoing interaction between the parties, including quarterly update meetings since 2020 and nineteen meetings between AlphaBow and CLM from October 2019 to March 2023. These meetings consistently included activity updates by AlphaBow, education efforts about regulatory requirements by CLM, and a discussion of CLM concerns about AlphaBow operations and

noncompliance. CLM increasingly expressed and emphasized to AlphaBow the need for it to keep up with regulatory requirements, deadlines, and debt payments.

[62] We accept CLM’s evidence that the March Order was based on evidence and information that AlphaBow should have already been aware of and that it had previous chances to respond to. We find that much of the March Order covered requirements that AlphaBow was already subject to and aware of either through the application of ongoing legislative requirements for licensees or the July 2022 licence eligibility decision. The July 2022 decision set out expectations that parallel many requirements of the March Order, including addressing outstanding noncompliances, improving AlphaBow’s compliance rating, providing a plan to meet the annual mandatory closure spend target, and showing capability to respond to noncompliances and AER requests. AlphaBow would have received prior notices of noncompliance for all mineral lease expired wells, and abandonment of those wells is a legislated requirement. The AER had made multiple requests for financial statements previously, had requested confirmation of insurance renewal, and had communicated expectations for improved compliance and responses to AER requests.

[63] The security deposit required as part of the March Order was a significant concern to AlphaBow. The security deposit reflected a small proportion of AlphaBow’s liabilities and was consistent with Alberta’s liability management framework, but the \$15 million amount and 30-day payment deadline were significant for AlphaBow. However, the March Order was not AlphaBow’s first experience with AER security deposit requirements. The evidence indicated that AlphaBow had been subject to a security deposit requirement of \$2.1 million in 2019 related to its declining AER liability rating and a security deposit requirement of \$3.8 million in 2022 related to a shortfall on AlphaBow’s 2021 area-based closure program. In both instances, AlphaBow arranged with the AER for a variance of those requirements.

[64] We find AlphaBow’s concerns surrounding the issuance of the March Order inconsistent with AlphaBow’s actions at that time. AlphaBow’s CEO acknowledged the seriousness of the matter even before he knew an order was intended and spoke positively of the AlphaBow team’s experience and knowledge. However, once he decided to stay in Calgary, his failure to pursue other meeting dates with CLM that could involve an AlphaBow team was puzzling. This is particularly so given that AlphaBow took immediate steps following receipt of the March Order to submit various documents required under the order, including proof of insurance, some management-prepared financial statements, and corporate information. However, AlphaBow did not seek a meeting with CLM about the March Order until May 16, 2023.

[65] The evidence shows AlphaBow chose not to take CLM’s offer to meet. Though the SDM advised AlphaBow on March 29 that he had decided to issue the March Order, in that same email he also indicated his availability to still meet on March 30 and willingness to answer any questions AlphaBow might have about the order after its issuance. AlphaBow’s counsel subsequently sent a letter to the SDM before the March Order was issued, setting out procedural concerns and requesting further information



and opportunity to respond. We see this letter as an indication that AlphaBow did not see the SDM's earlier communication as a final decision. Although AlphaBow's counsel requested that CLM provide additional meeting times, AlphaBow gave no clear indication to CLM that there could be an intermediate timing for a meeting between March 29 – 30 and the post-Easter period, nor did it disclose, until this hearing, that its CEO had cancelled his vacation plans and remained in Calgary.

[66] In our view, CLM could have communicated more clearly to AlphaBow in its first March 29 email that an order was being considered and could have made further efforts to offer meeting dates to AlphaBow's counsel before issuing the March Order. However, we find the SDM's concerns about delaying issuance of the March Order were reasonable given the information available to him on March 29 and 30, including his concerns about reasonable care and measures for AlphaBow's sites, possible indicators of pending AlphaBow insolvency, his impression that no AlphaBow decision-makers were available to meet for nearly two weeks, and his unease regarding AlphaBow's ability to respond to any potential incidents during this time given the absence of the company's executives.

[67] AlphaBow advocated for an approach that would have effectively required CLM to ensure that AlphaBow acted on the opportunity to exercise its procedural rights but did not cite authorities that would impose such an obligation on the AER. CLM argued that it had provided AlphaBow with the opportunity for a pre-issuance meeting about the March Order that AlphaBow chose not to use. Although procedural fairness usually mandates a regulator to provide an opportunity for an affected person to learn about and make submissions about contemplated regulatory action, no authority was cited to us that would require a regulator to make the affected person take up that opportunity.

[68] The evidence shows that AlphaBow made several substantial submissions to CLM following issuance of the March Order and that the SDM altered the order in response to various AlphaBow requests. Alterations to the March Order included extending the timeline for completion of abandonment of mineral lease expired wells, extending the timeline for providing quarterly financial statements, and extending the timeline for providing the 2022 audited annual financial statement.

[69] AlphaBow failed to satisfy us that procedural unfairness resulted from the lack of a pre-issuance meeting. CLM offered AlphaBow the opportunity to have such a meeting and exhibited a willingness to adapt the meeting timing and format within the timeline CLM felt was necessary. As mentioned previously, the evidence and AlphaBow's actions are consistent with AlphaBow having made a choice not to take up the opportunity for a pre-issuance meeting in the timeframe CLM deemed appropriate in the circumstances.

[70] The evidence was clear that ongoing communications and meetings between the parties from 2019 through March 2023 sought to make AlphaBow aware of shortcomings in its regulatory responsibilities and encourage it to improve its compliance and operations. As such, we find that AlphaBow had awareness of the AER's ongoing concerns, though not necessarily the specific provisions

of the March Order. We note that many of the requirements in the March Order were already requested as part of the July 2022 decision on the licence eligibility restriction and would not have been a surprise to AlphaBow. Although AlphaBow did not have specific prior notice of the security deposit required in the March Order, it had dealt with two previous security deposit requirements related to financial capability and closure shortfalls. AlphaBow made several substantial submissions to CLM following the issuance of the March Order that CLM considered and replied to, resulting in changes to the March Order. As such, we are not satisfied that AlphaBow was deprived of notice, information, or the ability to defend against the March Order.

### Reasonable Apprehension of Bias

[71] AlphaBow referred us to the legal test for reasonable apprehension of bias from *Committee for Justice & Liberty v Canada (National Energy Board)*, dissent of de Grandpré J., [1978] 1 SCR 369 at p. 394. It states:

...the apprehension of bias must be a reasonable one, held by reasonable and right minded persons, applying themselves to the question and obtaining thereon the required information....[T]hat test is ‘what would an informed person, viewing the matter realistically and practically – and having thought the matter through – conclude. Would he think that it is more likely than not that [the decision-maker], whether consciously or unconsciously, would not decide fairly.’ (restated in *Baker*, para 46)

[72] In *557466 Alberta Ltd v McPherson*, 2022 ABQB 23, a case cited to us by AlphaBow, the Alberta Court of Kings Bench stated that it is “trite law that a quasi-judicial fact-finder must both be, and appear to be, impartial (at para 65, citing *R v S* (RD), 1997 CanLII 324 (SCC), [1997] 3 SCR 484 at para 92).

[73] In *TransAlta v Alberta Energy Regulator*, 2023 ABCA 172, cited by CLM and not contested by AlphaBow, Kirker J. stated that the test to establish an apprehension of bias is a difficult one to meet (para 17). She further stated that the Supreme Court of Canada has indicated that an apprehension of bias must rest on serious grounds, “in light of the strong presumption of judicial impartiality,” and that such a determination is highly fact-specific, with the context and particular circumstances being of supreme importance (para 18).

[74] AlphaBow submitted that while individual incidents that raise the spectre of bias, considered in isolation, may not be determinative, their overall effect will tip an administrative proceeding into unfairness (*557466 Alberta Ltd. v McPherson*, 2022 ABQB 23 at para 117).

### Parties’ Positions

[75] AlphaBow contended that the AER was more onerous on AlphaBow compared to other operators on inspections and it targeted AlphaBow for inspections to decrease AlphaBow’s compliance rating. AlphaBow provided examples from AER records indicating that it was subject to 63 targeted inspections and 7 internal request inspections from January 2021 to March 2023. AlphaBow’s testimony spoke to

internal analysis of its outcomes from routine inspections compared with targeted inspections and suggested that its compliance rate was higher when the number of targeted inspections were lower. Its CEO testified about examples of multiple unsatisfactory inspections at the same sites on the same dates.

[76] CLM submitted that AlphaBow's examples of bias appear to be baseless accusations supported by little or no evidence and stated that a higher-risk licensee would be subject to more inspections than a lower-risk licensee, particularly where noncompliance issues were already identified. CLM's testimony explained the AER's inspection system, including different types and categories of inspections and how inspections are recorded and a licensee's compliance rate is determined. CLM's evidence addressed serious incidents that AlphaBow cited as examples of successful compliance, namely a pipeline strike and a release from a sour gas plant.

[77] AlphaBow alleged that the AER discriminated against it by imposing conditions and requirements beyond those imposed on peer companies. It submitted a table titled "AER treatment of AlphaBow peers" that gave examples of other oil and gas operators subject to orders requiring reasonable care and measures or suspension, as well as security deposit requirements. CLM's response to this allegation and submission was that the table presented "an inaccurate and misleading picture." It stated that the table compared the compliance approach the AER took with small licensees with few assets, who had comparatively lower risk regarding their end-of-life obligations than a large licence holder like AlphaBow. CLM further submitted that the table included considerations that are irrelevant and immaterial to this proceeding's issues and omitted information about some operators listed in the table. The table mixed examples of security requirements from separate regulatory frameworks where the approach and analysis related to security collection was different.

[78] AlphaBow alleged that the specific requirements of the March Order extended beyond that which applied to the rest of industry and were therefore unreasonable in the following ways:

- Clause 1 and 2: While providing reasonable care and measures is an obligation of all licensees, providing a plan is not. Nor is there an obligation on licensees to maintain a compliance rating or provide a summary of all debts and plans to satisfy them.
- Clause 3: While all licensees are expected to address mineral lease expiries, it is routine for licensees to have the option of either reobtaining minerals or completing abandonment. The RCAM order required AlphaBow to abandon the wells. Further it imposed a deadline of six months. The AER has discretion regarding the amount of time to provide.
- Clause 4: Other than at the time that eligibility is sought, proof of insurance is only required upon request. This is not a standard requirement, nor is there any requirement to provide a certificate of renewal.

- Clause 5: The AER does not require licensees to keep working interest participant information up to date.
- Clause 6: *Directive 067* does not authorize the AER to collect contact information for shareholders, directors, and officers of a licensee. Further, it provides for 30 days to advise the AER of material changes including changes in control which the AER accelerated for AlphaBow.
- Clause 7: While the AER can request audited financial statements, there is not a requirement that licensees have them nor is there a requirement that licensees provide quarterly financial statements.
- Clause 8: While the AER has the discretion to request security, there is no requirement that licensees post 10% of their inactive liability.

[79] CLM explained that except for the requirements to post the security deposit and provide audited financial statements, all of the March Order requirements were standard AER requirements with which AlphaBow should have already been in compliance. CLM stated that these standard requirements were set out in the July 2022 licence eligibility decision. CLM argued that because AlphaBow had done little to comply with the expectations in that decision, it demonstrated that AlphaBow was either unable or unwilling to comply with these basic AER requirements.

[80] AlphaBow alleged that the AER predetermined issues and demonstrated a closed mind. It referred to two statements from the SDM's decision notes related to his thoughts and considerations on March 29, 2023: "I am not of the opinion that AlphaBow would likely be able to provide any new information that would change the need for the required actions in the order" and "My opinion is that AlphaBow could have made the effort to meet with me but was likely trying to delay." AlphaBow testified that in responding to the AER's concerns and the March Order, it felt like its responses "were falling on deaf ears."

[81] CLM stated that the SDM's statements cited by AlphaBow as indicating bias were taken out of context. It explained that the statements came from the SDM's detailed notes of meetings with AlphaBow and his decision-making thought process and suggested that those notes show a "thoughtful decision-maker who considered and weighed all of the evidence" before deciding to issue the March Order. CLM testimony discussed a comment in an AER compliance update document that stated: "Pro...AlphaBow may cease operations independent of AER actions." CLM indicated that the comment was from a summary document looking at pros and cons of regulatory options available concerning AlphaBow in the "do nothing" option, as an acknowledgement that AlphaBow corporate failure could be a consequence of the AER taking no regulatory action. CLM further stated that the AER did not want AlphaBow to fail.

[82] In response to AlphaBow's testimony that it felt its responses to the March Order were falling on deaf ears, CLM testimony spoke to what it found lacking in AlphaBow's proposed RCAM plan submitted on May 12, 2023. It stated that AlphaBow failed to provide detailed actions and identify changes to improve its behaviour and performance and did not demonstrate how it would proactively identify and

respond to its issues. The SDM testified: "...if you look at the file, there's a history of the AER identifying the issues for AlphaBow, AlphaBow fixing that one issue, and then we go out again and find the same issue...the intent is for that not to be happening. A responsible licensee is aware of the rules, is monitoring their own compliance, and taking their own steps to prevent noncompliance and to address them. I didn't see that in this plan."

[83] AlphaBow contended that the AER made assumptions or generalizations about AlphaBow "that have no basis in reality and are intended to cast AlphaBow in a negative light." AlphaBow stated that the AER "explicitly stated" it believed AlphaBow was either unwilling or unable to renew its insurance.

[84] Further to its contention about assumptions or generalizations by the AER about AlphaBow, AlphaBow referred to statements made by CLM related to its corporate governance. The first reference was to an internal CLM discussion about AlphaBow's lack of a chief operating officer or chief financial officer (CFO) and possible factors that could lead to a greater risk of fraud. The second reference was to a statement made during a meeting between CLM and AlphaBow that "there seems to be no corporate governance without a CFO or financial executive."

[85] CLM's evidence and testimony about corporate governance and risk referred to a licensee capability assessment of AlphaBow prepared by the AER, dated March 16, 2023. A summary section of that assessment discussed AlphaBow's high financial and liability risk and AER concerns about the high turnover rate within AlphaBow's financial department and at its executive level, including possible lack of financial oversight, governance, and segregation of duties, which could create a greater risk of fraud. The assessment covered in greater detail AlphaBow's executive and financial department staffing histories since 2018, including accounting risk factors relating to corporate internal controls and protection against fraud. The testimony indicated that the level of turnover within AlphaBow's senior management levels was concerning from an accounting perspective because it could create a higher risk of fraud.

[86] AlphaBow contended that the AER acted with intent or conspired to prevent it from complying with the March and June Orders to force it out of business and into insolvency. AlphaBow alleged that the March Order set a security amount (\$15 374 050) that the AER "knew was approximately equal" to AlphaBow's arrears in municipal taxes and that it had advised the AER of the status of its arrears and its plans to address them in meetings held in July 2022 and March 2023.

[87] CLM's testimony provided a detailed description of how the security amount was determined, indicating that it considered current regulatory requirements and parameters, then compared the amount to other possible calculations of security, including the AER's previous method of security calculation and the amount of security that would be required if licences were being transferred between licensees. CLM indicated that it wanted to focus on a fair starting point for requiring security from AlphaBow to support its end-of-life obligations and thus selected an amount that was 10% of AlphaBow's liability for its

inactive sites. CLM further testified that it was coincidence that the security amount might be similar to municipal taxes owed by AlphaBow.

[88] AlphaBow also alleged that the AER knew it lacked the funds to post \$15 million in security when the March Order was issued but provided no supporting evidence. The record shows that before issuing the March Order, CLM had AlphaBow's June 30, 2022, financial statements and its 2021 reserves report. CLM testified that AlphaBow communicated in summer 2022 that it expected increased cash flows of potentially \$1 million per month from the expiry of hedging arrangements and that CLM saw that as a fairly significant increase of AlphaBow's cash flow. CLM also testified that it heard mixed messaging from AlphaBow at the March 7, 2023, meeting, indicating that AlphaBow stated that money was not a problem but also argued that money was a problem.

[89] The SDM testified that it had never been his goal to push AlphaBow into insolvency; his goal is always to see a licensee comply. He indicated that he had previously required security from two other financially distressed licensees, both of which paid, and that his goal at the time of the March Order was to have AlphaBow meet all its obligations. In response to questioning about the possibility of AlphaBow ceasing operations, the SDM testified that he considered potential outcomes when making the decision to issue the March Order, including AlphaBow coming into compliance or ceasing operations. He stated that the possible outcomes did not change his assessment of why the March Order was needed or the necessary contents of the order: "I felt that the requirements of the order to prevent the impact to public health and safety, to prevent impairment or damage of the sites was necessary regardless of an outcome like ceasing operations." He also indicated that he regarded the reasonable care and measures requirements as the most important part of the March Order.

### Analysis and Findings

[90] Case authorities indicate that the test to establish reasonable apprehension of bias is a high one, given the strong presumption of judicial impartiality. The test is highly fact-specific, and context is of extreme importance. The determination is "what would an informed person, viewing the matter realistically and practically – and having thought the matter through – conclude. Would he think that it is more likely than not that [the decision-maker], whether consciously or unconsciously, would not decide fairly." (*Committee for Justice & Liberty v Canada (National Energy Board)*; *Baker*).

[91] In relation to its allegations of bias concerning AER inspections of AlphaBow, AlphaBow's testimony spoke of internal analysis done comparing its compliance rate for routine and targeted inspections and suggesting a better compliance rate when there were fewer targeted inspections. However, AlphaBow did not reference any source document for this analysis nor provide calculations or other supporting documentation. AlphaBow did not provide any evidence comparing its inspection numbers or results to those of other oil and gas operators.



[92] In its testimony about inspections, CLM explained that the term “targeted inspection” does not refer to the AER targeting AlphaBow as a licensee but is a means of categorizing an inspection with a focus on a specific risk. CLM also provided context about why multiple inspections and noncompliances were recorded at the same site on the same date. In these instances, the inspections related to different licences and their associated inspection categories, for wells, facilities, and pipelines that can exist at the same geographic location. CLM evidence specifically addressed a pipeline strike and a release from a sour gas plant, two serious incidents that AlphaBow cited as examples of successful compliance. That evidence spoke to the findings of AER inspectors and gave further context about the severity of the incidents being much greater than portrayed by AlphaBow, including possible adverse effects on the environment and public safety.

[93] We were not convinced by the table submitted by AlphaBow titled “AER treatment of AlphaBow peers” that sought to establish AER discrimination based on unequal treatment of AlphaBow. We noted that the security requirements cited arose from two different regulatory systems used by the AER at different times. We also accept CLM’s submissions that the table presented information about other licensees with much smaller operations and fewer assets than AlphaBow. In addition, we note that the AER’s processes under *Directive 088*, *Manual 023*, and licence capability assessments rely on grouping similar companies into “performance groups” or “peer groups” and a tiering methodology designed to ensure individual companies are not singled out and treated differently from each other.

[94] Although AlphaBow alleged that the March Order requirements extended beyond those applied to the rest of industry, we find AlphaBow did not provide adequate evidence on every clause of the March Order:

- Clauses 1 and 2 relate primarily to submitting an RCAM plan that is satisfactory to the SDM and the implementation of that plan. AlphaBow did not provide evidence that expanded on their allegation that requiring such a plan was something that did not apply to the rest of the industry. We note that all licensees are subject to the requirement under section 26.2 of the *OGCA* to provide reasonable care and measures for their sites and to the possibility of an order where the AER is of the opinion that a licensee is not providing reasonable care and measures. Section 26.2 gives the SDM discretion to impose any terms or conditions he determines necessary in an order, including submitting and implementing an RCAM plan. The reasonableness of the requirement to provide an RCAM plan is discussed in detail in the section on the reasonableness of the March Order at paragraphs 118–126.
- Clause 1a required that the RCAM plan include specific actions and timelines to improve AlphaBow’s compliance rating to at least 75%. AlphaBow contended there is no obligation on licensees to maintain a compliance rating but did not provide evidence that CLM’s 75% compliance target was not applied to other operators where CLM had issued similar orders. CLM provided evidence that the 75% target is used as the industry average, based on annual industry performance data indicating average industry compliance of 73% to 78% over ten years. We note that compliance

history is a factor considered in the risk assessment process for General Eligibility of a licensee under *Directive 067* that applies to all licensees.

- Clause 1f required that AlphaBow provide a summary of all its outstanding debts. AlphaBow argued that this is not an obligation of licensees in general. AlphaBow suggested this requirement, particularly requiring information about municipal tax arrears, was prompted by the Government of Alberta's issuance of Ministerial Order 043/2023 on March 16, 2023, giving the AER direction on municipal tax arrears and well licences. However, the Ministerial Order's direction required the AER to consider outstanding municipal tax arrears when dealing with applications for a well licence to permit the drilling of a new well or for the transfer of a well licence. Neither of those circumstances applied to the March Order. We note that information about a licensee's outstanding debts is a factor considered in the risk assessment process for General Eligibility of a licensee under *Directive 067* that applies to all licensees.
- Clause 3 required AlphaBow to submit a satisfactory plan to abandon all its mineral lease expired wells. AlphaBow contended that this requirement treated it differently from the rest of the industry because it is routine for licensees to have the option of either reobtaining the mineral lease or completing abandonment. AlphaBow did not provide any evidence about the treatment of other licensees with mineral lease expiries. Section 3.012(a) of the *OGCR* requires a licensee to abandon a well when the mineral lease has terminated but does not address a licensee reobtaining that mineral lease.
- Clause 4 required AlphaBow to submit proof of insurance. AlphaBow contended that such proof is not a standard requirement and is only required on request. It did not provide evidence to address how the AER applies this requirement to the rest of the industry. We note that providing proof of insurance is a standard requirement to obtain or regain General Eligibility under *Directive 067* and that cancellation of or significant reduction to insurance coverage is also a factor considered in the risk assessment process under *Directive 067* that applies to all licensees. Section 4.2 of *Directive 067* directs that insurance coverage information must be provided to the AER when requested.
- Clause 5 required AlphaBow to provide updated working interest participant information. AlphaBow contended that licensees are not required to keep such information up to date but did not provide supporting evidence for its position that this requirement exceeded what the AER applies to other industry operators. Working interest participant arrangements, including participant information and proportionate shares, is a factor considered in the risk assessment process for General Eligibility of a licensee under *Directive 067* that applies to all licensees. *Directive 067* also obliges all licensees to keep this information on AER files accurate.
- Clause 6 required AlphaBow to maintain persons in control of its sites and corporation and to confirm names, titles, and contact information of all persons in direct or indirect control of AlphaBow. AlphaBow contended that *Directive 067* does not authorize the AER to collect contact information

for shareholders, directors, and officers of a licensee but did not provide supporting evidence of its position that clause 6 exceeded what the AER requires of other industry operators. All licensees are required to submit information under *Directive 067* to establish and support licence eligibility, including names and copies of current government-issued photograph identification for licensee directors and officers. *Directive 067* also obliges all licensees to keep this information on AER files accurate.

- Clause 7 required AlphaBow to provide quarterly financial statements and third-party audited annual financial statements. AlphaBow did not provide supporting evidence of its position that this requirement is beyond what the AER requires of other industry operators. The reasonableness of the requirement to provide financial statements is discussed in detail in the section on the reasonableness of the March Order at paragraphs 144–157.
- Clause 8 required AlphaBow to provide a security deposit of \$15 374 050, representing 10% of its inactive liability. AlphaBow contended that there is no requirement that licensees post 10% of their inactive liability as security but did not provide evidence to discuss amounts of security that the AER required of other licensees or otherwise support its position that clause 8 imposed a requirement beyond that of other industry operators. The security deposit, including the reasonableness of its requirement, is discussed in detail in the section on the reasonableness of the March Order at paragraphs 127–143.

[95] We note that the AER’s directives and manuals lay out the requirements or processes that operators must follow to comply with provincial legislation. The AER also uses bulletins to inform industry and Albertans about regulatory activities, such as new regulatory requirements, new programs, or new processes. These are public documents and operators are expected to be aware of changes to the regulatory regime and ensure that their operational practices incorporate these changes. In addition to this public information, the record demonstrates that CLM frequently reminded AlphaBow of relevant changes to the regulatory requirements.

[96] *Directive 088*, *Manual 023*, and *Directive 067* include industry requirements that pertain specifically to this proceeding. *Directive 067* states that an “application to amend licence eligibility will require reapplication under this directive.” This covers many of the items listed in the March Order that AlphaBow alleged were not applied to the rest of industry.

[97] In our view, AlphaBow sent conflicting messages of how it expected to interact with and be treated by the AER. On the one hand, AlphaBow stated the requirement for the RCAM plan was vague and appeared to expect the AER to provide detailed, prescriptive, site-specific direction about exactly what actions the AER wanted AlphaBow to use at each site to provide reasonable care and measures. On the other hand, missed or ignored AER deadlines for submission of information and stipulated actions appear to indicate that AlphaBow expected time extensions, variances, and exemptions from the requirements and wanted more time to continue operating as it had in the past.

[98] Regarding AlphaBow's allegations that the SDM predetermined issues and demonstrated a closed mind, we find that the statements cited by AlphaBow have been taken out of their broader context. Both statements cited come from the SDM's detailed notes recording his decision-making process. His statement, "My opinion is that AlphaBow could have made the effort to meet with me but was likely trying to delay" immediately follows a half-page of his notes discussing his concerns about AlphaBow's request for a 13-day delay in meeting and AlphaBow's capability to respond to an emergency during that time, if no responsible individual from AlphaBow were available to meet with him, as well as his willingness to accommodate a short meeting, including by telephone, during March 29 and 30. That context shows the reasons and basis for the SDM's stated opinion, and we are not convinced that it amounts to predetermination or a closed mind.

[99] We provide below the full paragraph related to the other statement cited by AlphaBow, with the cited statement shown in italics:

Considering the delay and inability to hold a meeting I have considered all of the evidence for the order and the required actions of the Order. *I am not of the opinion that AlphaBow would likely be able to provide any new information that would change the need for the required actions in the order.* I also considered that the requirements of the order are primarily remedial in nature and allow AlphaBow to submit acceptable plans to address the issues. I will also always consider adjusting terms of the order after the fact based on requests from AlphaBow.

[100] We note that the SDM is not addressing the need for an order but that no new information would likely change the need for the required actions to achieve reasonable care and measures for AlphaBow's sites. If anything, we find that his statement shows the SDM is firm on the outcome for reasonable care and measures that need to be met rather than an order as the contemplated tool to seek that outcome. We also find that the SDM's comments about AlphaBow's ability to submit plans to address the issues and his willingness to consider adjustments to the order's terms contradict AlphaBow's assertions of predetermination and a closed mind.

[101] Concerning AlphaBow's contention that its responses to the March Order were falling on deaf ears, we are persuaded by the evidence that the SDM thoroughly reviewed and considered all eight AlphaBow submissions and the meeting materials presented by AlphaBow and provided feedback on the shortcomings in AlphaBow's proposals. As previously discussed, the SDM made various timeline changes to order requirements in response to AlphaBow submissions.

[102] AlphaBow alleged that the AER made explicit statements that AlphaBow was unwilling or unable to renew its insurance. All references cited to support this statement were instances where CLM spoke of AlphaBow failing to provide insurance renewal information within timelines set by CLM. The reference cited that came closest to the explicit statement alleged by AlphaBow was "Communications between [AlphaBow's CEO] and the insurance provider dated March 29 and March 30, 2023, appear to indicate that steps may not have been taken to obtain the renewal until it was communicated to AlphaBow

that CLM would be issuing an order.” This quote is an excerpt from an AER legal submission in response to AlphaBow’s request to stay the March Order that postdates the March Order by a month.

[103] We find that AlphaBow’s allegations of bias related to CLM references to corporate governance and risk of fraud are unfounded. The statements referred to are made in the context of advice provided to the SDM by an AER subject matter expert related to accounting standards and accepted indicators of financial risk. AlphaBow provided no evidence that the AER or SDM stated that AlphaBow or individuals involved with it had committed fraud.

[104] AlphaBow alleged that the AER knew the \$15 million security deposit in the March Order was “approximately equal” to AlphaBow’s municipal tax arrears. We find that AlphaBow did not provide clear supporting evidence for this allegation. Evidence from notes of a CLM-AlphaBow meeting in July 2022 indicate that AlphaBow’s property tax debt at that time was \$20 420 305. None of the notes or documents on the record related to a CLM-AlphaBow meeting in March 2023 provided any information specifying amounts of AlphaBow’s outstanding municipal taxes. An undertaking response provided by AlphaBow at the hearing showed as of November 23, 2023, it owed taxes to five specified municipalities totalling \$12 223 903.17.

[105] AlphaBow’s evidence regarding bias consisted primarily of allegations and very selective quotes or excerpts of documents, sometimes out of context or after the March Order was issued. It provided little convincing information, particularly set against the detailed context that emerged from CLM’s testimony at the hearing and a review of the full proceeding record. CLM provided clear and detailed information about the regulatory framework, including inspections and compliance activity, AlphaBow’s regulatory history, and the decision-making process and considerations undertaken by the SDM in deciding on and issuing the March Order. The evidence shows that the SDM carried out a thorough, thoughtful review of the circumstances, applicable legislation, and concerns in determining to issue the March Order. The SDM’s consideration of possible eventualities that might not be advantageous to AlphaBow was not bias; it was a practical and balanced approach to decision making and the AER mandate.

[106] We are not satisfied that AlphaBow provided adequate evidence in the context to convince us that a reasonable person would think that the SDM had decided unfairly in issuing the March Order. We are not convinced that any combination of AlphaBow’s allegations of bias cumulatively amounts to reasonable apprehension of bias. We find that AlphaBow has not met the test to establish reasonable apprehension of bias.

## Decision Not Aligned With AER Norms, Guidelines, and Precedents

[107] AlphaBow alleged that its procedural fairness entitlements were breached because the March Order did not align with AER norms, guidelines, and precedents. Neither party addressed this allegation as a discrete matter over the course of this proceeding. We have chosen to interpret this allegation in relation to the consistency of the March Order and the process for issuing it with AER requirements in legislation and guidance documents.

[108] We have discussed this matter in other sections of this decision concerning

- *Manual 013* and the AER’s process for issuing orders,
- the *OGCA*, *Directive 088*, *Directive 067*, and *Manual 023* in relation to whether CLM had subjected AlphaBow to requirements beyond those imposed on the rest of the industry, and
- *Directive 067* in relation to reasonableness of the March Order in requiring audited annual financial statements.

[109] Based on the evidence discussed and our analysis and findings in those sections, we find that AlphaBow has not convinced us that the March Order did not align with AER norms, guidelines, and precedents. The legislation and guidance documents discussed give the AER the ability to apply discretion and flexibility in regulating energy development.

## Was the March Order Unreasonable?

[110] The relevant hearing issue is whether the AER exercised its discretion to issue the March Order to AlphaBow in a manner that was unreasonable.

[111] AlphaBow cited *Vavilov* as an authority addressing how an administrative decision may be found to be unreasonable, either if the decision is based on internally incoherent reasoning or if the decision is not justified in relation to the relevant laws and facts. To be reasonable, a decision must be based on reasoning that is rational and logical (*Vavilov* at paras 102-104). CLM submitted that *Vavilov* does not apply to this proceeding because it is an internal review of a statutory decision, and the standard of review from *Vavilov* only applies to reviews by a court.

[112] As guidance to determining reasonableness of a decision, CLM cited *Moffat v. Edmonton (City) Police Service*, 2021 ABCA 183, in which the Alberta Court of Appeal, drawing guidance from *Vavilov*, stated, “Reasonableness review is concerned with ‘justification, intelligibility and transparency’ in the decision-making process” and “A reasonable decision is one based on a ‘rational chain of analysis.’” The Court in *Moffat* also stated that “the decision must also be justified ‘in relation to the constellation of law and facts that are relevant to the decision’” and “The party challenging the decision bears the burden of showing that a decision is unreasonable. A decision will not be set aside on this basis unless it can be shown that the purported flaws are ‘more than merely superficial or peripheral to the merits of the



decision’; they must be ‘sufficiently central or significant.’” AlphaBow did not contest *Moffat*’s applicability.

[113] We note that the Alberta Court of Appeal in *Moffat* draws from *Vavilov*, indicating that *Vavilov*, although in the context of an appellate review, provides guidance on the question of performing a reasonableness review. We see no inconsistency in the approach suggested here by the parties and will apply the guidance stated in *Moffat* as it deals with an internal review of a statutory decision.

[114] AlphaBow also alleged that its procedural fairness entitlements had been breached in relation to the March Order because the AER failed to provide adequate or intelligible reasons which sufficiently justified its decisions. We will consider this allegation in this section as its elements of justification and intelligibility coincide with the guidance from *Moffat*.

[115] AlphaBow alleged that the March Order was unreasonable for the following reasons:

- The order did not seek to protect against impairment or damage as required under section 26.2 of the *OGCA*.
- The order’s focus appeared to be predominantly financial in nature, and the AER issued the order with intent to worsen AlphaBow’s financial standing and impair it from meeting compliance requirements.
- The requirement to provide a security deposit was contrary to the Auditor General’s report and *Directive 088*.
- The order was unclear and ambiguous: it did not provide clarity about how AlphaBow could comply with the order.

[116] AlphaBow argued that the March Order’s requirements to provide an RCAM plan, a \$15 374 050 security deposit, and third-party audited annual financial statements were all unreasonable. We will address the allegations above in our discussion of each requirement.

[117] CLM was of the view that the AER exercised its discretion reasonably. CLM submitted that the AER’s record demonstrated a clear “rational chain of analysis” in relation to the issuance of the March Order. CLM explained that the March Order contained 31 separate Whereas clauses that clearly and distinctly outlined the rationale and basis for the decision. In CLM’s view, AlphaBow seemed to conflate unreasonableness with its general dissatisfaction with the terms of the March Order, particularly the requirement for a security deposit.

## Requirement to Provide an RCAM Plan

### Parties' Positions

[118] AlphaBow submitted that the requirement for an RCAM plan was unclear about how to meet the AER's expectations and what happens once compliance is reached. Because it was unclear, it set AlphaBow up for failure. AlphaBow stated that the March Order failed to provide sufficient clarity about how the field compliance rating is conducted and when and how a determination will be made that AlphaBow has achieved the necessary compliance rating.

[119] CLM explained that over the course of four years it had used various tools from the AER's Compliance Assurance Framework with AlphaBow, including education, requests for information, notices of noncompliance, limiting AlphaBow's licence eligibility in July 2022, and escalating to the March Order in 2023. As CLM explained, the requirements in the July 2022 decision later incorporated into the March Order are standard AER requirements.

[120] As described in paragraph 92, CLM explained the AER inspection system, including how inspections are recorded and licensee compliance rates determined. CLM's evidence also explained that the 75% compliance target is used as the industry average and based on annual industry performance data, which indicates an average industry compliance rate of 73% to 78% over ten years.

### Analysis and Findings

[121] We are not satisfied that AlphaBow provided sufficient information to show us how the requirements for the RCAM plan were unclear. In our view, the wording of clauses 1(a) and (b) of the March Order is abundantly clear: "the **plan** must include, at a minimum, **specific actions**..." [emphasis added], and each clause describes what the specific actions need to include. The *Oxford English Dictionary* defines a plan as "a set of things to do in order to achieve something, especially one that has been considered in detail in advance." The *Merriam-Webster Dictionary* defines a plan as "a detailed formulation of a program of action."

[122] Considering the plain and ordinary meaning of the word "plan," the RCAM plan required as part of the March Order is a detailed formulation of a program of specific actions that would demonstrate that reasonable care and measures are being provided at all of AlphaBow's sites. In our view, the requirement for AlphaBow to provide an RCAM plan is clear and reasonable, and it allows AlphaBow the opportunity to decide and implement the specific actions it will use that are appropriate and achievable for it, albeit to the director's satisfaction. It is reasonable to assume that allowing companies, especially those with large numbers of assets, to design and implement their own company-specific corporate-wide plans to achieve compliance that are tailored to their own capacities, timeline, and systems, will lead to a higher likelihood of compliance with orders for achieving reasonable care and measures.

[123] We note that several actions required to be in the RCAM plan were previously listed in the July 2022 decision restricting AlphaBow's licence eligibility as actions it needed to take to regain General Eligibility, including the following:

- March Order clauses 1(a)–(c) involved addressing all outstanding noncompliances, actions to attain and maintain an overall field compliance rating of at least 75%, and responding to noncompliances, incidents, and information requests within required deadlines.
- March Order clause 1(e) pertained to providing specific actions, or as listed in the July 2022 decision, a detailed plan for how AlphaBow will meet the annual mandatory closure spend target under *Directive 088*. We find it notable that this clause is very similar in the two documents but pertains to mandatory closure spend targets for different years (2022 and 2023). As of the hearing, AlphaBow had not provided specific actions or a detailed plan for 2023.

[124] Although the wording of the respective actions stipulated in the July 2022 decision and the March Order are not identical, we are of the view that the expected actions listed in the July 2022 decision (read in their entirety and in the context of the entire July 2022 decision) provided a sound basis and were incorporated into the list of required actions that must be included in the RCAM plan required by the March Order. Therefore, we are of the view that the action items from the July 2022 decision that were incorporated into the March Order were known to AlphaBow.

[125] The record clearly shows that CLM interacted and worked with AlphaBow on numerous occasions over four years in accordance with AER's Compliance Assurance Framework. The March Order required AlphaBow to submit an RCAM plan, which would compel ongoing compliance and alignment with the AER's Compliance Assurance Framework. As such, AlphaBow has not convinced us that the AER's exercise of its discretion to require the submission of an RCAM plan was unreasonable. The requirement to submit an RCAM plan in the March Order was clear and flowed from a rational chain of analysis and was justified in relation to the relevant facts and law.

[126] In relation to the requirement for an RCAM plan, AlphaBow has not provided sufficient evidence to support its allegation that its procedural fairness entitlements were breached due to a failure by the AER to provide adequate or intelligible reasons which sufficiently justified its decision. As discussed above, most of the elements to be incorporated in an RCAM plan flowed from requirements imposed in the July 2022 decision restricting AlphaBow's licence eligibility. The March Order's Whereas clauses, which provide the reasons and basis for the order's requirements, include a discussion of the July 2022 decision and its requirements and provide examples of AlphaBow's operational shortcomings and noncompliances since July 2022. These examples include AlphaBow's declining field compliance rating, failures to provide information and reporting within required timelines, the inability to carry out required remediation and groundwater monitoring at contaminated sites, and noncompliance with requirements to abandon nearly 300 wells with expired mineral leases. These Whereas clauses and reasons clearly link to,

support, and justify the requirement for an RCAM plan and the expected elements of the plan. We find that AlphaBow has not established that it suffered any breach of procedural fairness concerning the reasons and justification for requiring an RCAM plan in the March Order.

## Requirement to Provide a \$15-Million Security Deposit

### Parties' Positions

[127] AlphaBow acknowledged that the AER is tasked with ensuring the safe, efficient, orderly, and environmentally responsible development of Alberta's energy resources, and the AER has broad discretion to seek and collect security under the *OGCA* and corresponding rules. AlphaBow submitted that the exercise of discretion needs to be reasonable and in accordance with the direction provided by government, and the AER's actions in respect to AlphaBow were wholly irresponsible.

[128] AlphaBow contended that it was clear that the AER knew AlphaBow lacked the funds to post security of over \$15 million when the March Order was issued. It submitted that the AER knew that posting such an amount would divert funds from operations, creating a risk to AlphaBow's ability to carry out closure work and complete reasonable care and measures. Accordingly, the March Order was not remedial but punitive, intended to create further noncompliances. In AlphaBow's view, the required security deposit of \$15 374 050 was a discretionary amount that would divert funds being used to address municipal tax arrears and conduct closure work. AlphaBow contended it was an excessive amount that the SDM knew it could not afford and was, therefore, intended to cause its insolvency.

[129] AlphaBow also submitted that the AER's decision to request security was contrary to the Auditor General of Alberta's guidance of March 2023, where the Auditor General specifically stated that requesting security when a company lacked the resources and requiring security in such circumstances may divert resources for cleanup work are fundamental flaws in the AER's process. AlphaBow commented that it does not take the position that it is never appropriate to collect security from already financially distressed companies but submitted that the AER failed to heed the warning contained in the Auditor General's report by seeking to collect security when a company lacks the resources and that the report encouraged the AER to consider both the timing and the amount of security sought.

[130] AlphaBow referred to the AER's mandatory closure spend requirement and argued that because the AER sets a lower mandatory closure spend for licensees with a high level of financial distress, the AER should apply this same approach to eliminate or reduce the amount of security deposit required by the March Order.

[131] CLM testified that the mandatory closure spend program is designed to ensure operators spend a minimum amount annually to abandon, remediate, and reclaim their inactive oil and gas sites. In contrast, security deposits are designed to mitigate against a company's longer-term financial risk and provide

some level of financial protection for the public if a licensee were unable to meet its end-of-life obligations.

[132] CLM further explained that not requiring security and relying solely on closure work is appropriate in some circumstances. However, this requires an assessment that the licensee will continue as a going concern for the foreseeable future to be able to complete all its closure and liability obligations. In CLM's view, given AlphaBow's financial health, the magnitude of its liability, and evidence of financial distress, it was entirely reasonable for the SDM to require a security deposit in addition to mandatory annual closure spends to mitigate the environmental and liability risks posed by AlphaBow's licences.

[133] CLM indicated that, as acknowledged by AlphaBow, the AER has broad discretion to request a security deposit under section 1.100(2) of the *OGCR*, including before approving a licence transfer, whenever a licensee fails an AER licensee liability rating assessment or liability management rating assessment, and whenever the AER considers it appropriate to offset estimated costs of suspending, abandoning, or reclaiming wells or facilities, providing care and custody of wells or facilities, or of carrying out necessary activities to ensure protection of the public and the environment.

[134] CLM explained that security is collected to offset the risk that a licensee will not meet its future liability and closure obligations. CLM stated that the amount of the security deposit, while it was a large sum of money, represented only 10% of AlphaBow's total inactive liability. As such, CLM felt that there was nothing unreasonable about the AER exercising its discretion to request AlphaBow to post the security deposit.

[135] CLM submitted that AlphaBow, with over 58% of its assets inactive, is ranked 27 out of 382 licensees in Alberta for total liability and is responsible for the eighth largest inactive liability. CLM explained that, as stated in clause 8 of the March Order, the requirement to "post a security deposit in the amount of \$15,374,050.00...represents 10% of AlphaBow's inactive liability, to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment." It stated that the request for security followed the letter of the law as set out in section 1.100(2)(c) of the *OGCR* and clearly outlined the reasoning for such a request. As such, in CLM's view, there was nothing unreasonable about the security requirement.

[136] Responding to AlphaBow's submissions about the Auditor General's report on AER security requirements, CLM stated that AlphaBow had taken excerpts from the report out of context and used them to support its position that it was inappropriate for the AER to collect security from an already financially distressed company. The key findings from the report were that the AER's previous financial security system was inherently flawed, had historically failed to identify risks properly, and did not ensure the collection of sufficient security. The report did not provide a recommendation to stop collecting security from financially distressed licensees but rather it recommended "that the Alberta Energy

Regulator determine how much security needs to be collected, when it will be collected, and how collection will get enforced with the transition away from the Licensee Liability Rating Program.” CLM commented that the AER is now collecting more information to better evaluate licensee risk, and the new Licensee Management Program attempts to correct this historical problem.

[137] The SDM testified that he knew from CLM’s assessment that AlphaBow was financially distressed. He considered the possibility that AlphaBow might not be able to pay the security deposit amount and that a security deposit may divert funds away from reasonable care and measures. However, he felt strongly that taking at least partial steps to ensuring some end-of-life obligations could be met would reduce the risks presented by AlphaBow not being able to address all its end-of-life obligations. He believed there was a real possibility that if AlphaBow’s owners felt strongly about continuing operations and benefiting from operating in Alberta, they would fund everything that was required, be it security, actions for reasonable care and measures, ongoing closure obligations, or other measures.

[138] The SDM explained how the security amount of \$15 374 050, which represented 10% of AlphaBow’s inactive liability, was determined. He began by considering the parameters for how to assess and collect security outlined in *Directive 088*. Because the SDM wanted to establish what he felt was a fair starting point, he only looked at AlphaBow’s inactive liability of about \$153 million and selected 10%, approximately \$15 million, as a small percentage. The SDM indicated that he compared this amount with other calculations, such as the old Liability Management Rating Program, which would have yielded about the same amount of required security. He felt the security amount was fair, and if anything, it was inadequate. The SDM also reviewed the framework and risk factors for licence transfers as if AlphaBow assets were transferred to another licensee. The result under that framework would have been a significantly larger security deposit in the order of 90% to 95% of AlphaBow’s liability. The SDM, therefore, felt comfortable that \$15 million was a reasonable starting point for a security deposit.

[139] The SDM testified that it is common for financially distressed licensees to request additional time to pay the security or request a payment plan. He expected AlphaBow to approach him to request a payment plan for security, but it did not.

### Analysis and Findings

[140] We find the SDM conducted a very thorough review of AlphaBow’s operational, compliance, and financial situation, and, before deciding to issue the March Order, carefully considered the potential impacts. Rather than simply assigning a percentage of AlphaBow’s liabilities that would be required as a security deposit, the SDM reviewed two other frameworks for calculating security, considered similar situations with other distressed licensees, and selected an amount he felt represented a fair and achievable starting point, which he expected AlphaBow’s owners would be able to fund. Considering the magnitude of AlphaBow’s total liability, the required security of \$15 million is a small proportion, which we note AlphaBow did not refute. All of this was done pursuant to the AER’s broad discretion to require a



licensee to provide a security deposit under section 1.100(2) of the *OGCR*. As previously noted, AlphaBow acknowledged this broad discretion. We accept that the security deposit was necessary and appropriate to offset the potential costs of managing AlphaBow’s obligations for end-of-life closure of its sites.

[141] We did not find AlphaBow’s references to the Auditor General’s report about security deposits useful or persuasive. The report, published March 23, 2023, acknowledged that the AER was in the process of transitioning away from the previous Licensee Liability Rating, which inadequately calculated deemed liability and resulted in insufficient security collection, to the new Liability Management Framework. We find that the report did not recommend the AER to stop collecting security from financially distressed licensees but instead recommended that the AER determine the amount, timing, and enforcement of security collection necessary under the new Liability Management Framework.

[142] In light of the preceding factors, AlphaBow has not convinced us that the AER’s exercise of discretion to require AlphaBow to provide a security deposit in the amount of \$15 million was unreasonable. The decision followed a rational chain of analysis and was justified in relation to the relevant facts and law.

[143] Concerning the requirement for a security deposit, AlphaBow has not provided sufficient evidence to support its allegation that its procedural fairness entitlements were breached due to a failure by the AER to provide adequate or intelligible reasons which sufficiently justified its decision. The March Order’s Whereas clauses provide information about AlphaBow’s estimated inactive liability and its total liability and set out the AER’s legislative authority to require a security deposit at any time to offset estimated costs of abandoning and reclaiming wells or facilities and of carrying out other necessary activities to ensure environmental and public protection. The SDM’s detailed testimony of his process for determining the amount of the security deposit also supports and justifies the requirement for a security deposit. We find that AlphaBow has not established that it suffered any breach of procedural fairness in relation to the reasons and justification for requiring a \$15 million security deposit in the March Order.

#### Requirement to Provide Third-Party Audited Annual Financial Statements

[144] [REDACTED]  
[REDACTED]  
[REDACTED]

#### Parties’ Positions

[145] AlphaBow testified that third-party audited financial statements were very expensive and unnecessary, especially since it was struggling financially. It suggested a review engagement of the management-prepared financial statements would suffice and that funds required for a third-party audit could be better spent conducting closure work.

[146] CLM explained that third-party audited annual financial statements were required because audited financial statements are the default requirement of *Directive 067*, with the AER having discretion to accept management-prepared financial statements as an alternative.

[147] CLM further explained that reviewed financial statements provide no third-party opinion as to the quality or accuracy of the financial statements. On the other hand, audited financial statements assert that detailed tests have been performed and there is a high level of assurance that the financial statements are free of material misstatement.

[148] [REDACTED]

[149] [REDACTED]

[150] [REDACTED]

[151] [REDACTED]

[152] After the issuance of the March Order, CLM agreed in a letter dated May 31, 2023, to extend the deadline for submission of the audited annual financial statements from 180 days of fiscal year-end (June

30, 2023) to August 31, 2023. In a letter dated June 2, 2023, AlphaBow committed to starting third-party audited financial statements for year-end 2022 and providing them once finalized. It also committed to provide future third-party audited annual financial statements within 180 days and provide quarterly statements within 75 days. In a letter dated May 26, 2023, CLM accepted AlphaBow's requested revision and agreed to extend the timeline for submission of quarterly interim financial statements to within 75 days of the end of the respective fiscal quarter.

#### Analysis and Findings

[153] [REDACTED]

[154] [REDACTED]

[155] We appreciate that as a private company AlphaBow is not required to meet the same financial reporting requirements as public entities. However, it remains puzzling to us, given the number of assets and complexity of AlphaBow's operations, that standard planning tools such as an annual operational plan and budget, company reserves, financial statements, and cash flow projections were not readily available. Given the unavailability of standard reports, staff turnover, and [REDACTED], it is not surprising that CLM remained insistent on the need to provide independently reviewed financial statements. Because of the magnitude of AlphaBow's liabilities and number of licences, our view is that third-party audited annual financial statements are necessary.

[156] Considering these factors, AlphaBow has not convinced us that the March Order’s requirement that AlphaBow submit third-party audited annual financial statements was unreasonable. The decision followed a rational chain of analysis and was justified in relation to the relevant facts and law. The March Order’s Whereas clauses referred to the AER’s authority to require financial information from licensees under section 12.152(1) of the *OGCR* to assess licensee eligibility and ensure the safe, orderly, and environmentally responsible development of energy resources in Alberta. *Directive 067* requires all licensees to submit a complete financial summary annually, accompanied by full audited financial statements.

[157] Regarding the requirement to submit third-party audited annual financial statements, AlphaBow has not provided sufficient evidence to support its allegation that its procedural fairness entitlements were breached due to a failure by the AER to provide adequate or intelligible reasons which sufficiently justified its decision. Both parties’ testimony indicated that AlphaBow’s submission of financial information had not been consistent or timely. We find that AlphaBow has not established that it suffered any breach of procedural fairness in relation to the reasons and justification for requirement of submission of third-party audited annual financial statements in the March Order.

### **March Order Findings and Decision**

[158] We find that the AER did not breach procedural fairness in issuing the March Order to AlphaBow. As previously discussed, we are not satisfied that AlphaBow was deprived of notice, information, or the ability to defend against the March Order. Also, AlphaBow did not meet the test to establish reasonable apprehension of bias. We are not satisfied that AlphaBow provided adequate evidence in the context to convince us that a reasonable person would think that the AER acted unfairly in issuing the March Order.

[159] We find that AlphaBow has not established that it suffered any breach of procedural fairness in relation to adequate and intelligible reasons and justification for the March Order, including the requirements of an RCAM plan, a \$15 million security deposit, and third-party audited annual financial statements.

[160] We find that AlphaBow has not convinced us that the March Order did not align with AER norms, guidelines, and precedents.

[161] We also find that the AER did not exercise its discretion to issue the March Order to AlphaBow in a manner that was unreasonable. Consequently, we are not satisfied that the AER’s exercise of discretion to require AlphaBow to submit an RCAM plan, security deposit, and third-party audited annual financial statements was unreasonable.

[162] We confirm the March Order, which the AER issued to AlphaBow on March 30, 2023.

## The June Order

### Regulatory Framework for the June Order

[163] CLM issued the June Order under the authority of section 27 of the *OGCA* and section 23 of the *Pipeline Act*. Appendix 5 provides the text of these provisions.

[164] The discussion in paragraph 34 of our approach to considering the broader context in making this decision applies equally to our discussion and determinations below about the June Order.

#### *Oil and Gas Conservation Act*

[165] Section 27 of the *OGCA* requires a licensee to suspend or abandon a well or facility when directed by the AER or required by the regulations or rules. The AER is authorized to order suspension or abandonment where it considers it necessary to protect the public or the environment.

[166] Section 1(1)(xx) of the *OGCA* defines suspension as “the temporary cessation of operations at a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a safe and secure condition.” Abandonment is defined in section 1(1)(a) of the *OGCA* as “the permanent dismantlement of a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a permanently safe and secure condition.”

#### *Pipeline Act*

[167] Section 23 of the *Pipeline Act* requires a licensee to discontinue or abandon a pipeline when directed by the AER or required by the regulations or rules. The AER is authorized to order discontinuation or abandonment where it considers it necessary to protect the public or the environment.

[168] Section 1(1)(g) of the *Pipeline Act* defines discontinuation as “the temporary deactivation of a pipeline or part of a pipeline.” Abandonment is defined in section 1(1)(a) as “the permanent deactivation of a pipeline or part of a pipeline in the manner prescribed by the rules, whether or not the pipeline or part of the pipeline is removed.”

### Was Procedural Fairness Breached for the June Order?

[169] The relevant hearing issue is whether the AER breached procedural fairness in issuing the June Order to AlphaBow.

[170] AlphaBow alleged that CLM breached its procedural fairness entitlements in issuing the June Order by

- the lack of an impartial decision-maker,
- failing to provide AlphaBow opportunity to know the case against it in relation to the June Order,

- failing to provide AlphaBow opportunity to adequately respond and make fulsome submissions about the June Order,
- being unresponsive to AlphaBow’s submissions,
- providing inadequate reasons in the June Order,
- providing incoherent reasoning in the June Order, and
- being patently unreasonable.

[171] The allegations of lack of an impartial decision-maker and being unresponsive to AlphaBow’s submission have been dealt with separately below. The allegations of failure to provide opportunity to know the case against it, failure to provide opportunity to adequately respond and to make fulsome submissions are dealt with together. The allegations of inadequate reasons and patent unreasonableness are discussed in the section on the reasonableness of the June Order at paragraphs 206–236, and the allegation of incoherent reasoning is discussed in the section on application of section 27 of the *OGCA* at paragraphs 237–261.

### Reasonable Apprehension of Bias

[172] We have equated the allegation of lack of an impartial decision-maker to reasonable apprehension of bias. The previous discussion of the applicable case authorities for the March Order in paragraphs 71–74 applies equally to this section of our decision.

### Parties’ Positions

[173] AlphaBow’s testimony discussed the various submissions it made to CLM about the plans required under the March Order. AlphaBow generally felt it was complying with the March Order by submitting the proposed RCAM and abandonment plans, even though the AER had replied that it did not consider the proposals to be plans because they contained insufficient detail. Referring to a CLM response dated May 23, 2023, indicating AlphaBow’s proposed plans were unacceptable and consisted primarily of continuing existing programs, AlphaBow testified that its immediate reaction was “that it didn’t seem to matter what we said. It was unacceptable. We had been very careful to address every concern, been very careful when we were asked to provide specific plans and timelines to make sure that we had done so, and we were being told that we hadn’t done that, but we had.”

[174] CLM’s testimony discussed AlphaBow’s various submissions about the plans required under the March Order and CLM’s responses to those submissions. CLM indicated that in previous years, AlphaBow had provided more detailed abandonment plans than its submissions in response to the March Order. The SDM testified that he sent progressively more detailed responses to each AlphaBow submission, explaining why the submissions were inadequate. He stated that AlphaBow chose not to



address those comments by providing more detail but instead chose to dispute the contents of the CLM responses.

[175] In response to cross-examination suggesting the SDM issued the June Order knowing AlphaBow would not be able to pay the security required by the March Order, the SDM testified that he issued the June Order because “my obligation in my role is to uphold the mandate of the Alberta Energy Regulator, not to ensure that AlphaBow Energy remains operating. My mandate is to ensure that they were preventing potential impact to the environment, public safety, to ensure that they were maintaining and looking after obligations for their sites, to make sure that they were able to look after their end-of-life obligations.”

[176] CLM submitted that AlphaBow provided no evidence to support its allegation of bias related to the June Order. It stated that the record of the decision-maker for the June Order provided evidence of the SDM’s impartiality, particularly about revisions made to drafts of the June Order in response to AlphaBow submissions.

#### Analysis and Findings

[177] Case authorities indicate that the test to establish reasonable apprehension of bias is a high one, given the strong presumption of judicial impartiality. The test is highly fact-specific and context is of extreme importance. The determination is “what would an informed person, viewing the matter realistically and practically – and having thought the matter through – conclude. Would he think that it is more likely than not that [the decision-maker], whether consciously or unconsciously, would not decide fairly.” (*Committee for Justice & Liberty v Canada (National Energy Board)*, dissent of de Grandpré J., [1978] 1 SCR 369 at p. 394; restated in *Baker* at para 45).

[178] We find that AlphaBow has not met the legal test to establish reasonable apprehension of bias because it has not provided evidence to convince us that a reasonable person would think that the AER had decided unfairly in issuing the June Order. AlphaBow’s testimony addressed the various submissions it made about the plans required under the March Order and that it felt it was not being heard by the SDM.

[179] The evidence shows that CLM replied repeatedly and in detail to AlphaBow’s submissions under the March Order, providing reasons to support where it found AlphaBow’s proposals unacceptable. We note that the content of AlphaBow’s submissions about the plans required under the March Order is consistent with the SDM’s evidence that AlphaBow chose to dispute the contents of CLM responses rather than provide further detail requested by the SDM.

[180] AlphaBow provided nothing further in its testimony or submissions that spoke to potential bias or lack of impartiality by the SDM in relation to the June Order.

## Failure to Provide Opportunity to Know Case Against It, to Provide Opportunity to Adequately Respond and to Make Fulsome Submissions

[181] The discussion of the applicable case authorities on procedural fairness for the March Order in paragraphs 37–39 applies equally to this section of our decision.

### Parties' Positions

[182] AlphaBow alleged that it was not provided with the record it required to be able to appropriately respond to the AER until after the June Order was issued. It did not elaborate as to what record that would be. Nothing in AlphaBow's testimony addressed the alleged failure to provide it opportunity to know the case against it in relation to the June Order.

[183] CLM submitted that there was no basis to this claim and that the record of the decision-maker showed various communications between CLM and AlphaBow, making clear why the June Order was being considered. It listed various AlphaBow submissions and CLM responses about the March Order that predated the escalation in enforcement, including a notice of noncompliance sent to AlphaBow on May 16, 2023, a meeting between CLM and AlphaBow on May 18, 2023, where CLM advised that more information would be needed for a satisfactory RCAM plan, and the review and consideration of several AlphaBow proposals.

[184] The SDM emailed AlphaBow's CEO on May 25, 2023, advising that he was considering issuing the June Order due to AlphaBow's failure to comply with the March Order and inviting AlphaBow to a pre-issuance meeting. CLM's evidence indicated that AlphaBow was provided a draft of the June Order before the pre-issuance meeting. The SDM testified that he reviewed the draft order in full with AlphaBow at the pre-issuance meeting and agreed to AlphaBow's request for more time to review the draft order and provide a submission to CLM.

[185] Following the pre-issuance meeting for the June Order, CLM provided AlphaBow a revised draft order and an opportunity to provide information for the SDM's consideration. The CLM email providing that material mentioned that the order was draft, no decision had yet been made, and listed possible decisions the SDM could take. The SDM emailed AlphaBow on the same day advising that it could ask him any questions about the March Order and the draft June Order.

[186] In response to the allegation about the timing of the record, CLM submitted that it was unclear what record AlphaBow was referring to and suggested that the allegation appeared to relate to production in this proceeding of the decision-maker's record about the March Order. CLM stated that it was unclear how this would be a procedural flaw regarding the June Order since AlphaBow's requests for a regulatory appeal, stay, and inquiry, the AER's granting of the request for the regulatory appeal, and AER Hearing Services' request in this proceeding for the decision-maker's record were all independent of the SDM and occurred after the June Order was issued.

## Analysis and Findings

[187] AlphaBow’s allegation on this point was unclear and not supported by any clear evidence.

[188] The evidence that was provided shows a thorough exchange of submissions and replies between AlphaBow and CLM related to March Order requirements, including CLM responses on the shortcomings of AlphaBow submissions and proposed plans. AlphaBow was provided a draft of the June Order before the pre-issuance meeting. During the pre-issuance meeting, the SDM reviewed the draft order with AlphaBow. The SDM revised the draft order after the pre-issuance meeting and allowed an opportunity for AlphaBow to provide submissions for the SDM’s consideration. AlphaBow provided a submission about the revised draft order on June 2, 2023, which the SDM considered, leading to some further revisions to the June Order issued on June 5, 2023.

[189] Significant challenges would arise in administering Alberta’s energy regulatory system if the AER were required to produce a full record of the decision-maker before issuing any order. This action would be burdensome and could cause the compliance and enforcement processes to grind to a halt, which would be inappropriate in situations where pressing matters of public safety and environmental protection are at issue. *REDA* provides an appeal mechanism for that purpose, and a record of the decision-maker is produced in that forum. We note that although *Manual 013* discusses procedural fairness, it does not suggest that a full record of the decision should be provided. It states, “A person should be provided with enough detail (this does not require disclosure of original documents or identification of confidential sources) about the allegation or complaint against them and about the impending decision affecting them to enable them to prepare a response or defence.”

[190] We find that AlphaBow has not established that the AER was procedurally unfair in relation to AlphaBow’s ability to know the case against it, have opportunity to adequately respond, and make fulsome submissions.

## Unresponsiveness to Submissions

[191] The discussion of the applicable case authorities on procedural fairness for the March order in paragraphs 37–39 applies equally to this section of our decision.

## Parties’ Positions

[192] AlphaBow submitted that “while AlphaBow was afforded the opportunity to discuss the significant impact of the shutting-in of its operations with SDM, AlphaBow’s submissions were wholly ignored.” The record shows that on May 29, 2023, AlphaBow wrote to CLM outlining negative economic impacts to AlphaBow resulting from the March Order and referred to anticipated impacts of possible enforcement escalation. On June 2, 2023, AlphaBow sent CLM a seven-page submission with multiple attachments in response to the draft order discussed on May 30, 2023.

[193] During the hearing and in communications with CLM, AlphaBow referenced its future business plan for its existing carbon dioxide-enhanced oil recovery schemes. AlphaBow proposed to take advantage of the annual escalating price of carbon to provide it with a pathway to improved financial health and use this revenue stream to address existing inactive well liabilities. In addition, AlphaBow indicated that if its enhanced oil recovery projects were converted to carbon capture, utilization, and storage projects, this would further increase the quantity of stored carbon dioxide and the associated extra carbon credits would enable AlphaBow to potentially fund the asset retirement obligations associated with their active assets.

[194] CLM submitted that AlphaBow acknowledged it was given opportunity to make submissions on the draft June Order, which it did. CLM noted that AlphaBow did not request any time extensions to provide submissions on the draft June Order. In response to AlphaBow's allegation that the June Order was unresponsive to AlphaBow submissions, CLM stated that "procedural fairness does not require that the SDM agree with AlphaBow's submissions, only that they be considered."

[195] The SDM's notes addressing his thought process in deciding to issue the June Order set out his consideration of AlphaBow's submission on the draft order and indicated areas where he was willing to make changes in response to the submission. When the June Order was served on AlphaBow, the covering correspondence indicated changes made to the June Order compared with the draft orders, including reference to AlphaBow's June 2, 2023, submission, acceptance of the abandonment plan for mineral lease expired wells, a varied timeline for site suspension and discontinuation, and changed reporting requirements.

[196] CLM testified that it considered AlphaBow's future business plan and viewed it as a future opportunity that did not have a guaranteed outcome due to the required regulatory steps, regulatory approvals, and contractual arrangements for the carbon dioxide.

[197] In its submissions on plans to comply with the March Order, as an alternative to paying the security deposit, AlphaBow proposed to pay \$1 921 756 quarterly for two years in escrow with a Calgary legal firm and use these monies for supplemental voluntary closure spend purposes to be paid directly to contractors performing abandonment and reclamation work. AlphaBow alleged that the AER was unreasonable to reject this proposed alternative to the security deposit. In AlphaBow's opinion, security serves no useful purpose; it is better for a licensee to spend annually on closure work than for the AER to hold funds from that licensee as security.

[198] In response to AlphaBow's argument that the AER should have accepted closure work over time as an alternative to holding security for end-of-life obligations, CLM explained that closure work and security are not alternatives to one another. Closure work and the collection of security serve two different purposes. Closure work removes liability from the landscape and is intended as an ongoing licensee obligation. Security is collected to offset the risk that a licensee will not meet its future liability

and closure obligations. CLM suggested that AlphaBow had conflated closure work and posting security. Closure work actively reduces liability now; security offsets the risk of closure work not occurring in the future.

[199] CLM indicated that the AER's rejection of AlphaBow's proposed alternative to posting security does not support AlphaBow's contention that the AER intended to drive it into insolvency. Rather, CLM was concerned about the assessed high risk that AlphaBow would fail to meet its end-of-life obligations. AlphaBow's proposal to replace the security with voluntary closure work over time did not provide sufficient detail to satisfy the SDM that this risk would be adequately mitigated. The proposal to hold security funds in escrow with a legal firm was not acceptable as it was contrary to the requirements for security under *Directive 068: Security Deposits*, and as such, the SDM did not have the authority to accept such a proposal.

### Analysis and Findings

[200] AlphaBow did not provide sufficient evidence to support its allegation that CLM was unresponsive to its submissions. It appears much of AlphaBow's concern related to CLM's non-acceptance or lack of direct support of AlphaBow's future business plan. However, the testimony and decision-maker's record show that the SDM considered AlphaBow's submissions, including obtaining a review of the existing enhanced oil recovery schemes by an AER subject matter expert, reviewing the carbon dioxide contractual arrangements provided by AlphaBow, and gathering information from the carbon dioxide supplier directly. The SDM's testimony was that he felt AlphaBow's future business plan was speculative and uncertain, as it was dependent on gaining new regulatory approvals, and the carbon dioxide supplier could cancel the contract with prior notice.

[201] AlphaBow did not provide evidence regarding how these carbon dioxide sequestration projects could be successfully executed in a timely manner, given AlphaBow's Restricted Eligibility status, ongoing financial challenges, history of noncompliance, and the required regulatory steps. We also note that AlphaBow commented that the proposed business plan would not resolve its financial difficulties in the short term as it would continue to struggle for two to three years until carbon pricing reached higher levels. The AER does not have the latitude to waive regulatory requirements while AlphaBow improves its financial situation. Also, the AER is unable to comprehensively assess or approve a licensee's business plans.

[202] Concerning AlphaBow's proposed alternative to a security deposit, we note that AlphaBow's proposal to hold funds in escrow is contrary to the requirements for security deposits under *Directive 068*. We find that the SDM did not have the authority to accept such a proposal and note that AlphaBow did not direct us to provisions in the legislation that would allow any party other than the AER to hold security deposits. Although the evidence showed that CLM can and has previously accepted payment plans from financially challenged licensees, we cannot characterize AlphaBow's proposed alternative to

security as a security payment plan because the AER has no authority to accept those arrangements as valid security.

[203] We accept CLM’s explanation of the difference between closure work and security deposits and find that they are not interchangeable and serve different purposes. Consequently, we find AlphaBow did not provide enough information to demonstrate that its proposed alternative would achieve the purpose of reducing the risk that it might not complete future end-of-life closure work.

[204] AlphaBow opposed the security deposit requirement, suggesting it would be preferable for the AER to permit AlphaBow to use those funds to either pay its creditors, including municipalities and taxpayers, or complete abandonment and reclamation work. Yet throughout this proceeding, AlphaBow claimed that paying the security deposit would force it into insolvency. In our view, this is a contradiction: AlphaBow could afford to place \$15 million, as it suggested, in escrow and use it to conduct supplementary closure work but was unable to pay the same amount to the AER as a security deposit with a payment plan. We note that the security deposit would be refundable, and its payment would contribute to lifting the March and June Orders. We are unclear why AlphaBow could afford to pay the security deposit amount if held in escrow at a legal firm but not as a security deposit held by the AER.

[205] The evidence clearly shows that AlphaBow had the opportunity to respond to the draft June Order, providing an extensive submission to CLM on June 2, 2023, and that the SDM varied the June Order from its draft form in response to AlphaBow’s submission. Because CLM did not agree with all of AlphaBow’s submissions, it does not mean that there was procedural unfairness in relation to the June Order. AlphaBow was able to know the case for the June Order, make submissions, and have those submissions considered by the SDM. We find that AlphaBow did not establish that the AER was unresponsive to its submissions about its business plan, its proposed alternative to the security deposit, or the June Order.

### **Was the June Order Unreasonable?**

[206] The relevant hearing issue is whether the AER exercised its discretion to issue the June Order to AlphaBow in a manner that was unreasonable.

[207] Our previous discussion of the legal guidance on reasonableness of administrative decisions for the March Order applies equally to this section of our decision.

[208] AlphaBow alleged that its procedural fairness entitlements had been breached because the June Order was patently unreasonable but did not elaborate on this allegation or clearly link any of its evidence to this allegation. We note that patent unreasonableness is a standard of review applied by a court, and that this standard has been replaced by the courts with the reasonableness standard. As this is an internal



review of a statutory decision, we will take the approach outlined for the March Order and conduct a reasonableness review in this context.

[209] AlphaBow alleged that CLM exercised its discretion to issue the June Order unreasonably for the following reasons:

- The June Order did not specify the risk from AlphaBow’s operations nor how the order provided protection to the public or the environment, and that suspension of AlphaBow’s sites would not protect the public or the environment but instead cause harm.
- CLM intended to prevent AlphaBow from meeting its obligations by depriving it of access to capital and forcing it into insolvency.

[210] AlphaBow also alleged that its procedural fairness entitlements had been breached in relation to the June Order because the AER had provided inadequate reasons in the order. We will consider the allegation in this section.

## Link to the Protection of the Public or the Environment

### Parties’ Positions

[211] AlphaBow contended that CLM exercised its discretion unreasonably in deciding to issue the June Order, forcing it into insolvency by cutting off its cash flow, shutting in and closing its facilities, thereby leading to staff layoffs and preventing payments owed to municipalities, and damaging the environment. AlphaBow submitted that suspending its assets does not protect the public or the environment but harms them. Also, suspending AlphaBow’s assets has prevented AlphaBow from operating, and resulted in its assets going to the OWA.

[212] In AlphaBow’s view, the June Order lacked a rational connection to the requirement that the order was necessary to protect the public or the environment. AlphaBow argued that the June Order did not specify what risk, if any, its operations presented to the public or the environment, nor did it set out how the order provided the required protection. Rather, the June Order was stated to be in response to AlphaBow’s alleged failure to fully comply with the March Order and certain other alleged breaches of the *OGCA*.

[213] CLM submitted that issuing the March and June Orders was within the AER’s legislative framework. The orders were a reasonable exercise of statutory discretion to mitigate the risk posed by AlphaBow’s operations based on its declining field compliance, its failure to conduct monitoring and remediation at contaminated sites, its precarious financial position, and the magnitude of its liability.

[214] CLM stated that the June Order was an escalation of compliance action following AlphaBow's failure to comply with the March Order. Notably, AlphaBow failed to submit an acceptable RCAM plan to demonstrate that it was capable of providing reasonable care and measures. Consequently, AlphaBow failed to meet the minimum requirements to protect the public or the environment by providing reasonable care and measures to its sites. In CLM's view, the June Order was a reasonable and necessary response to protect the public and the environment. The SDM determined that AlphaBow's operations should be suspended and remain suspended until such time as AlphaBow could demonstrate that it could meet the minimum requirements to protect the public and the environment.

[215] Under cross-examination, the SDM explained that AlphaBow has over a hundred contaminated sites. For many of these sites, the AER has very limited information because AlphaBow has not provided updates on the sites despite repeated requests. Furthermore, AlphaBow failed to live up to its commitments to complete work on some of those contaminated sites. CLM contended that AlphaBow's failure to take steps to address its contaminated sites demonstrated that AlphaBow was either incapable or unwilling to protect the environment from the risks posed by those sites.

[216] CLM explained that in issuing the June Order, the SDM exercised his discretion to protect the public and the environment and did so in a manner that was reasonable and entirely consistent with the AER's regulatory requirements. The record of the decision-maker demonstrates a rational chain of analysis leading up to the issuance of the June Order, and the 37 Whereas clauses in the June Order adequately articulate the rationale and basis for its issuance.

[217] CLM stated that the outcome of the June Order was clearly focused on public safety and the environment and expressly stated so in its recitals. Whereas clause 36 stated, "Whereas the Director believes that issuing this order is necessary, as a result of AlphaBow's failure to comply with the March Order, to safeguard the public interest by preventing AlphaBow from continuing to breach AER requirements and orders, and in order to protect public safety and the environment." The Whereas clauses to the June Order confirm that it was necessary as "AlphaBow is not providing reasonable care and measures to prevent impairment or damage in respect of the Sites"; and, as AlphaBow "poses a risk for being unable to fulfil its end-of-life closure responsibilities for the Sites."

[218] CLM explained that the issuance of the June Order did not occur in a vacuum. It was a result of AlphaBow's failure to comply with AER requirements over many years. AlphaBow was declared an unreasonable risk and had its eligibility to acquire new licences restricted in July 2022. Following that restriction, AlphaBow had over eight months to improve its compliance, but instead, it worsened, resulting in the March Order. CLM submitted that to avoid further escalation of CLM's compliance efforts, AlphaBow could have simply chosen to comply with the March Order, but it did not.

[219] CLM explained that had AlphaBow complied with the June Order, the result would have been the safe suspension of all AlphaBow sites, which would protect public safety and the environment; the provision of reasonable care and measures, which is directly related to public safety and the environment; the ability for AlphaBow to reactivate those sites once reasonable care and measures could be demonstrated; and security to ensure that AlphaBow could address its end-of-life obligations.

### Analysis and Findings

[220] We find that the June Order was an escalation of compliance action following AlphaBow's failure to comply with the March Order, particularly failing to submit an acceptable RCAM plan to demonstrate that it could provide reasonable care and measures to all its sites.

[221] We heard evidence that AlphaBow's field compliance rating was deteriorating. The testimony and proceeding record provided several examples that support the need for public and environmental protection, including the following:

- The AER had received information from AlphaBow staff and contractors that environmental monitoring and remedial work was not being performed on its sites, in some instances arising from AlphaBow's inability to pay contractor invoices.
- CLM's witnesses explained that AlphaBow failed to live up to its commitments to carry out groundwater monitoring and complete work on some contaminated sites.
- Following a 2019 incident where one of its pipelines was struck, AlphaBow did not shut down production immediately, causing risk of harm to people and the environment in the immediate vicinity.
- AlphaBow was not actively addressing contamination at some locations, indicating that it was leaving the contamination to resolve itself through time.
- The Hastings Coulee sour gas plant was incorrectly suspended in May 2023.
- A 2023 inspection showed inconsistency between AlphaBow's reporting of a well's status as suspended. The well was actually producing with flow lines open.
- There are a large number of wells for which mineral leases have expired and abandonment is needed. A related challenge is AlphaBow's plan to successfully reacquire the mineral rights in a competitive land sale process and then either operate or abandon those wells.
- AlphaBow had defaulted on payments owing for municipal taxes, surface rights holders, and royalties to private mineral rights owners.

[222] In our view, the risks to the environment and the public presented by AlphaBow not complying with the March Order, specifically regarding the RCAM plan, warranted the suspension of its operations by the issuance of the June Order.

[223] We find that AlphaBow did not provide sufficient evidence to support its allegation that the June Order harms the public and the environment and was an unreasonable exercise of the AER's discretion. As outlined above, there is abundant evidence on the record that the June Order requiring the suspension and discontinuation of AlphaBow's sites was necessary to protect the public and the environment and was a reasonable escalation of enforcement in the circumstances based on a rational chain of analysis and justified in relation to the relevant facts and law. Furthermore, we agree that AlphaBow's operations should remain suspended until such time as it can demonstrate that it can meet the requirements of the March Order.

[224] We also find that AlphaBow has not provided sufficient evidence to support its allegation that its procedural fairness entitlements were breached because the AER had provided insufficient reasons in the June Order. As discussed previously, the June Order was an escalation of compliance action in response to AlphaBow's failure to submit a satisfactory RCAM plan and to address the risk posed by its end-of-life obligations. The Whereas clauses of the June Order spoke clearly to the shortcomings of AlphaBow's proposed plans regarding expected protection for the public and the environment. This proceeding's record also provides ample evidence of the risks from AlphaBow operations, meriting requirements to protect the public and environment. We find that AlphaBow has not established that it suffered any breach of procedural fairness concerning the sufficiency of reasons in the June Order.

## Forcing AlphaBow Into Insolvency

### Parties' Positions

[225] AlphaBow alleged that the AER, with knowledge of AlphaBow's financial difficulties, proceeded to request a significant amount of money that it knew AlphaBow could not pay, and when the AER failed to receive the funds, it proceeded to shut down AlphaBow's operations, ensuring that AlphaBow had no access to capital. AlphaBow emphasized that the June Order was not meant to prevent further noncompliance and did nothing to prevent harm to the public or the environment. Rather, the June Order was intended to prevent AlphaBow from meeting its obligations by depriving it of access to capital and denying it access to its sites.

[226] AlphaBow was of the view that the suspension of its assets does nothing to protect the public or the environment. Rather, it prevented AlphaBow from operating and resulted in its assets being transferred to the OWA. Instead of protecting the environment and the public, the June Order is causing harm.

[227] CLM argued that the regulatory actions taken by the SDM logically and rationally connected to mitigate the significant risks presented by AlphaBow's operations. In broad terms, they included requiring an RCAM plan to address the current risks to the public and the environment and the collection of security to address the liability concerns and end-of-life obligations. CLM submitted that despite

AlphaBow's argument to the contrary, there is no evidence that the AER issued the orders to force AlphaBow into noncompliance or insolvency.

[228] As noted above, CLM stated that the June Order was an escalation of compliance action following AlphaBow's failure to comply with the March Order. AlphaBow failed to pay the security deposit or submit an acceptable alternative proposal to mitigate the risks of its perceived lack of capability to meet its regulatory and liability obligations. Consequently, AlphaBow was at a high risk of not meeting its end-of-life obligations. In CLM's view, the June Order was a reasonable and necessary response to protect the public and the environment. The SDM determined that AlphaBow's operations should be suspended and remain suspended until such time as AlphaBow could demonstrate that it could meet the minimum requirements to protect the public and the environment.

[229] CLM submitted that the two primary risks revealed by the AER's holistic liability assessment of AlphaBow were its inability to maintain assets—leading to impairment and damage of assets, potentially resulting in risk to public and environmental safety—and AlphaBow's escalating liability concerns and its inability to meet its end-of-life obligations.

[230] CLM explained that the June Order provided for the temporary cessation of operations at AlphaBow sites to ensure that they were left in a safe and secure condition until AlphaBow demonstrated that it could provide reasonable care and measures. The June Order did not require the permanent shutting in and closing of facilities, as claimed by AlphaBow. Suspension of a site includes isolating wellheads and pipelines and depressurizing and emptying all tanks, vessels, pipelines, lease piping, sumps, drains, tubs, containers, pits, or containment rings. Suspension leaves a site in a safe state, reducing the likelihood of harm to the environment or public safety. For example, removing fluid from tanks prevents freeze-up over the winter months, which could lead to leaks and a risk of injury.

[231] CLM stated that the AER did not shut down AlphaBow's operations, transfer its assets to the OWA, or prevent AlphaBow from accessing its sites. Rather, AlphaBow was ordered to safely suspend its sites to protect the public and the environment. Leading up to winter freeze-up, the AER directed the OWA to provide reasonable care and measures and safely suspend AlphaBow's sites until AlphaBow complied with these essential requirements. However, AlphaBow remains the licensee of its sites and as such, is responsible for the cost of these actions.

[232] CLM further explained that, like the March Order, the June Order was not punitive but remedial and specified the terms and conditions for the SDM to consider lifting it. AlphaBow must come into compliance with the March Order, pay its 2023 AER administrative fee and Orphan Well Fund levy, submit a plan to safely reactivate its sites for review by CLM, and implement the reactivation plan as approved by the director. If at any time AlphaBow was to comply with the terms of the June Order, the March Order would be lifted.

## Analysis and Findings

[233] We have addressed AlphaBow’s allegation that CLM intended to force it into insolvency through issuance of the March Order at paragraphs 75–106. We found no compelling evidence that CLM intended to force AlphaBow into insolvency.

[234] AlphaBow alleged that suspension and discontinuation of its sites under the June Order would push it into receivership, result in many sites added to the OWA’s inventory for cleanup, and stop the payment of government and freehold royalties, municipal property taxes, surface lease and access charges to landowners, and staff and trade payables. However, it did not provide evidence to support these claims, particularly that insolvency would be a given result.

[235] We note that compliance with the March Order would have prevented escalated enforcement action, namely the June Order. As explained above, we agree that the June Order was necessary to protect the public and the environment and a reasonable escalation of enforcement action.

[236] We find that AlphaBow has not provided sufficient evidence to support a finding that, by issuing the June Order, the AER intended to force AlphaBow into insolvency or to prevent it from meeting its obligations by depriving it of access to capital. AlphaBow has not convinced us that the AER was unreasonable in requiring the suspension and discontinuation of AlphaBow’s sites by issuing the June Order.

## Application of Section 27 of the *Oil and Gas Conservation Act*

[237] The relevant hearing issue is whether the AER failed to satisfy the requisite elements of section 27 of the *OGCA* in issuing the June Order to AlphaBow.

[238] The June Order was issued under the authority of section 27 of the *OGCA* and section 23 of the *Pipeline Act*. These provisions are very similar, but AlphaBow focused on contesting the AER’s use of section 27 of the *OGCA*. The provisions of section 27 relevant to this proceeding state:

27(1) Subject to subsection (2), a licensee or approval holder shall suspend or abandon a well or facility when directed by the Regulator or required by the regulations or rules.

and

(3) The Regulator may order that a well or facility be suspended or abandoned where the Regulator considers that it is necessary to do so in order to protect the public or the environment.

[239] The Supreme Court of Canada has declared that the modern principle of statutory interpretation is the preferred approach (*Rizzo & Rizzo Shoes Ltd. (Re)*, 1988 CanLII 837 (SCC), [1988] 1 SCR 27). This principle indicates that “the words of an Act are to be read in their entire context and in their grammatical and ordinary sense harmoniously with the scheme of the Act, the object of the Act, and the intention of Parliament.” This principle was cited by AlphaBow and was not disputed by CLM.



[240] The provincial *Interpretation Act* is also applicable to interpretation of all Alberta legislation. For this proceeding, relevant provisions include section 10: “An enactment shall be construed as being remedial, and shall be given the fair, large and liberal construction and interpretation that best ensures the attainment of its objects,” and section 26(3): “In an enactment, words in the singular include the plural, and words in the plural include the singular.”

## Parties’ Positions

[241] AlphaBow submitted that the AER could order suspension or abandonment of particular wells or facilities, but only as necessary to protect the public or the environment, as provided in section 27(3). It suggested that the AER was incorrect in asserting that the June Order was issued under section 27 generally rather than specifically under section 27(3) and that such an interpretation is inconsistent with the modern principle of statutory interpretation and would render section 27(3) meaningless.

[242] AlphaBow stated that the provisions relied on in the June Order require that a suspension order’s reasons consider each well, facility, or pipeline and explain and justify on a case-by-case basis why the suspension is necessary to protect the public or the environment. It submitted that the June Order was not issued because of site-specific concerns about the risks to the public or the environment posed by individual wells or facilities, but it was to respond to AlphaBow’s alleged failure to fully comply with the March Order and other alleged breaches of the *OGCA*.

[243] AlphaBow argued that the June Order does not protect the public or the environment but harms them instead by diverting efforts away from preventing harm. It argued that the June Order would drive AlphaBow into receivership, with adverse financial consequences to the OWA, municipalities, and Alberta taxpayers, which would be a markedly worse outcome than maintaining the status quo.

[244] AlphaBow also submitted that because the June Order was stated to be in response to its alleged failure to fully comply with the March Order and other alleged noncompliances, the order should have been issued under section 44 of the *OGCA* and section 29 of the *Pipeline Act*, which authorize shutdown and closure of wells and facilities and the suspension of pipelines where a licensee has contravened the acts or an AER order. AlphaBow submitted that section 44 of the *OGCA* would also have provided it with the benefit of an inquiry and that the AER chose to issue the June Order under section 27 as part of a consistent and concerted effort to deprive AlphaBow of its procedural fairness entitlements. AlphaBow also argued that shutdown or closure under section 44 would be more akin to the temporary nature that the AER said it intended for the June Order and that issuing the June Order under section 27 was an escalation from section 44, reflecting a more permanent nature in relation to the steps required and taken under that order.

[245] AlphaBow also alleged that its procedural fairness entitlements had been breached in relation to the June Order because the order has incoherent reasoning due to improperly setting out the authority under which it was issued.

[246] CLM submitted that AlphaBow failed to introduce any evidence that the AER did not satisfy the requirements of section 27 and that the evidence of CLM witnesses showed that the June Order was necessary to protect the public and the environment. CLM noted that in cross-examination, the SDM repeatedly confirmed that his motivation in issuing the June Order was to uphold the AER's mandate, which included preventing impacts on the safety of the public or the environment from AlphaBow's operations.

[247] In response to AlphaBow's position that the June Order could only be issued under section 27(3) and not under section 27 generally, CLM indicated that it did not dispute that the June Order was issued at least partially under section 27(3) as it was necessary to do so to protect the public and the environment. CLM stated that this is expressly confirmed by the June Order's recitals and that the June Order would remain in effect until AlphaBow could demonstrate it could provide reasonable care and measures for its sites. CLM explained the various elements of reasonable care and measures and its necessity to protect public safety and the environment.

[248] In response to AlphaBow's argument that section 27(3) requires that an order must consider each site being suspended and justify each suspension, CLM submitted that the June Order did so and referred to a recital in the order: "Whereas the Director is of the opinion that AlphaBow is not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, based in part on AlphaBow's failure to provide an acceptable RCAM [reasonable care and measures] Plan, and finds it is necessary to suspend the wells and facilities and discontinue the pipelines listed in Appendix 1," and also referred to Appendix 1 to the June Order, which lists every AlphaBow site in Alberta. CLM also indicated that issuance of the June Order should be considered in the context of the meetings between CLM and AlphaBow to discuss the shortcomings of the proposed RCAM plan for all AlphaBow sites, the written review of the proposed plan, and the offer to assist AlphaBow in developing the plan.

[249] The SDM testified that the suspension of AlphaBow's sites under the June Order was intended to be a temporary measure. CLM submitted that it was entirely appropriate that the June Order was issued under section 27 of the *OGCA* and section 23 of the *Pipeline Act* because both sections are concerned with a temporary state of suspension or discontinuation, consistent with the legislative definitions of those terms. These definitions are provided in paragraphs 166 and 168. The June Order required AlphaBow to safely suspend its wells and facilities and discontinue its pipelines, temporary steps that would allow for those sites' reactivation if AlphaBow were to comply with the March Order and submit an acceptable reactivation plan.

[250] CLM submitted that the courts have long concluded that a regulator has the right to choose its process, and this principle is codified by section 69 of *REDA*, which empowers the AER to exercise any compliance or enforcement power or function under any of the enactments within its jurisdiction. CLM also submitted that consideration of whether the June Order should have been issued under section 44 rather than section 27 of the *OGCA* is out of the scope of the issues in this proceeding.

[251] CLM argued that AlphaBow presented a false dichotomy in asserting that section 27 of the *OGCA* can only be relied on where an order is needed to protect the public and the environment and that section 44 of the same Act must be used to deal with compliance issues, noting that many noncompliances with AER regulatory requirements also pose a risk to public safety and the environment. CLM suggested that the difference between sections 27 and 44 is better understood as a distinction between suspension, a temporary state, and shutdown and closure, a permanent state warranting an inquiry. It argued that it is well-known in the oil and gas industry that closure is intended to be permanent and referred to various AER initiatives related to closure, all of which are intended to be permanent.

[252] CLM pointed out that AlphaBow was provided a pre-issuance meeting before the June Order was issued and the opportunity to provide additional information and submissions about why the June Order should not be issued, which AlphaBow did. CLM submitted that these steps provided AlphaBow the due process that it would have received by an inquiry in relation to an order under section 44 of the *OGCA*, before the June Order was issued.

### Analysis and Findings

[253] The AER has a broad mandate and legislated responsibility to regulate a vast range of energy and mineral resource activities. Its mandate is to provide for the efficient, safe, orderly, and environmentally responsible development of energy and mineral resources in Alberta through its regulatory activities. The *OGCA* and *Pipeline Act* both empower the AER to regulate oil and gas wells, facilities, and pipelines from inception and development to closure, effectively from cradle to grave. The *OGCA*'s purposes include the following:

- Secure the observance of safe and efficient practices in the locating, spacing, drilling, equipping, constructing, completing, reworking, testing, operating, maintenance, repair, suspension, and abandonment of wells and facilities and in operations for the production of oil and gas or the storage or disposal of substances (section 4(b)).
- Provide for the economic, orderly, efficient, and responsible development in the public interest of the oil and gas resources of Alberta (section 4(c)).
- Provide for the responsible management of a well, facility, well site, or facility site throughout its life cycle (section 4(c.1)).

- Control pollution above, at or below the surface in the drilling of wells and in operations for the production of oil and gas and in other operations over which the Regulator has jurisdiction (section 4(f)).

[254] To carry out its mandate and these responsibilities, the AER must be able to use and apply its regulatory tools in a flexible and legally sound fashion.

[255] We heard no dispute from the parties about the potential applicability of section 27 of the *OGCA* as authority for issuance of the June Order. Where the parties primarily differed was whether section 27(3) was met concerning the necessity of the June Order to protect the public or the environment. Because of this consensus in focus on section 27(3), we do not need to address whether section 27 gives the AER general authority to order suspension or abandonment of wells and facilities.

[256] AlphaBow argued that section 27(3) must be applied on a site-by-site basis so that a suspension order affecting multiple sites must address and justify the suspension for each site individually. CLM submitted that the June Order did so, based on a recital related to AlphaBow's failure to provide an acceptable RCAM plan for its sites and the appendix to the order listing all AlphaBow sites.

[257] In this proceeding's circumstances, we disagree with AlphaBow that section 27(3) obliges the AER to address each of AlphaBow's sites individually regarding the need for suspension to protect the public and the environment. Collectively, AlphaBow's sites are subject to over 8000 AER licences. Applying section 26(3) of the *Interpretation Act*, we interpret section 27(3) of the *OGCA* as enabling the AER to address wells and facilities in a suspension order on a collective basis where it considers it necessary to do so to protect the public or the environment. To do otherwise would render the AER's regulatory function unwieldy and nonsensical in situations where an operator's overall record indicates a need for regulatory action across its operations to protect the public and the environment. However, this does not mean that the AER gets a free pass when seeking to address multiple sites in one order under section 27(3); it is still necessary for the AER to establish the need to suspend those multiple sites to protect the public or the environment.

[258] AlphaBow submitted that the June Order was not issued because of site-specific concerns about risks to the public or the environment by individual wells or facilities but in response to alleged noncompliances by AlphaBow with the March Order and the *OGCA*. We heard testimony from both parties about noncompliances, unsatisfactory inspections, and incomplete actions; generally, CLM highlighted its concerns about increasing cumulative risk, and AlphaBow tended to minimize concerns and focus on specific instances of eventual, albeit delayed, compliance. We prefer CLM's evidence and testimony about these matters because it was clear, explained potential environmental and safety consequences, and linked directly to regulatory requirements. We were concerned that AlphaBow's evidence was often inconsistent and seemed to downplay the potential severity of situations, particularly in relation to outstanding requirements and missing groundwater monitoring for a range of contaminated

sites. We are convinced by CLM’s evidence and testimony that AlphaBow’s record of unsatisfactory operations, unresolved remediation work and noncompliances support the need for the June Order to suspend all AlphaBow sites to protect the public and the environment.

[259] AlphaBow also argued that the noncompliance grounds for issuing the June Order coincide with the AER’s authority under section 44 of the *OGCA* and that the June Order should have been issued under section 44 rather than section 27 of the Act. CLM argued that the courts have long supported a regulator’s ability to choose its process and cited section 69 of *REDA* as codifying that ability for the AER. AlphaBow did not dispute those arguments. The AER is able to choose from a range of regulatory tools available to it if the legislative requirements related to the chosen tool are met. The evidence shows that the AER chose to suspend AlphaBow’s sites as a temporary measure under section 27 of the *OGCA*, and we find that the AER met the requirements of section 27, as discussed above. Given this, we do not need to discuss the potential applicability of section 44 of the *OGCA* or weigh the merits of that section as compared to section 27.

[260] AlphaBow has not convinced us that the AER failed to satisfy the requisite elements of section 27 of the *OGCA* in issuing the June Order. We have decided that the AER met section 27’s requirements when it issued the June Order.

[261] Given this finding, we also find that the June Order did not have incoherent reasoning by improperly setting out the authority under which it was issued. The June Order satisfied the requirements of section 27 of the *OGCA*, which was cited in the order as an authorizing legislative provision. We find that AlphaBow has not established that it suffered any breach of procedural fairness concerning the coherency of reasons in the June Order related to the authority for issuing the order.

### **June Order Findings and Decision**

[262] We find that the AER did not breach procedural fairness in issuing the June Order to AlphaBow. AlphaBow has not met the test to establish reasonable apprehension of bias. We are not satisfied that AlphaBow provided adequate evidence in the context to convince us that a reasonable person would think that the AER had decided unfairly in issuing the June Order. Also, we are not satisfied that the AER was procedurally unfair concerning AlphaBow’s ability to know the case against it, have opportunity to respond and make fulsome submissions, nor concerning the AER’s consideration of and response to AlphaBow’s submissions. We find that AlphaBow has not established that it suffered any breach of procedural fairness concerning the sufficiency of reasons in the June Order. AlphaBow has not established that it suffered any breach of procedural fairness concerning its allegation of incoherent reasons in the June Order about the AER’s authority for issuing the order. AlphaBow has not established its allegation that the June Order was patently unreasonable.

[263] We also find that the AER did not exercise its discretion in an unreasonable manner in issuing the June Order to AlphaBow. We find that the AER was justified in issuing the June Order as a reasonable and necessary response to protect the public and the environment. We are not satisfied that there is evidence to support that the AER intended to force AlphaBow into insolvency or prevent it from meeting its obligations by issuing the June Order or that requiring suspension and discontinuation of AlphaBow's sites was unreasonable or harms the public and the environment.

[264] AlphaBow has not convinced us that the AER failed to satisfy the requisite elements of section 27 of the *OGCA* in issuing the June Order.

[265] We confirm the June Order, which the AER issued to AlphaBow on June 5, 2023.

## Conclusion

[266] The actions taken by CLM from March to June 2023 cannot be viewed in isolation. This was a continuum of events that began potentially as early as the inception date of AlphaBow and gathered momentum in 2022 with declining regulatory compliance, resulting in restrictions being placed on AlphaBow's licence eligibility. The March Order was issued because of AlphaBow's inability to address compliance and its unresponsiveness to AER requests, many of which were documented in the July 2022 licence eligibility decision.

[267] Over a four-year period, the AER transitioned from promoting compliance to enforcing compliance in the light of AlphaBow's deteriorating performance and worsening financial health. The escalation should not have been a surprise to AlphaBow given the regular meetings with CLM and the discussion items summarized in the meeting notes, indicating that deadlines were not being met and compliance remained problematic.

[268] The broad extent of AlphaBow's holdings and activities in Alberta raises concerns due to the potential magnitude of risk to the public and the environment if regulatory requirements are not met. AlphaBow is responsible for oil and gas sites across the province and holds 8147 AER licences (3785 wells, 322 facilities, and 4040 pipeline segments). Its estimated company liability is \$264 million, with nearly 60% of that related to inactive assets (\$155 million).

[269] As raised by AlphaBow in this proceeding, we must consider the factors set out in section 3 of the *Responsible Energy Development Act General Regulation*. In addition to these factors, section 15 of *REDA* requires us to consider the interests of landowners.

[270] Throughout this proceeding, both parties made submissions that touched on these factors. AlphaBow spoke to the financial contributions it has provided through employment and contracts, property taxes, surface lease and access payments, and royalties, and anticipated negative economic impacts that could flow from the requirements of the March and June Orders. It also highlighted the



progress it made over the years in abandoning and closing inactive well sites. CLM made submissions about the AER's mandate, emphasizing its responsibility to ensure efficient, safe, orderly and environmentally responsible development of oil and gas resources, including those operated by AlphaBow.

[271] It is clear from our reasons above that we have considered social and economic effects, effects on the environment, and impacts on landowners from AlphaBow's operations in making our decision to confirm these orders. Our consideration of these factors demonstrates that confirming the orders is in the public interest.

[272] Based on our findings above, we decide that the decisions of the AER's Closure and Liability Management branch to issue the order to AlphaBow Energy Ltd. on March 30, 2023, is confirmed, and the decision of CLM to issue the order to AlphaBow Energy Ltd on June 5, 2023, is confirmed.

Dated in Calgary, Alberta, on February 28, 2024.

Alberta Energy Regulator

Cindy L.F. Chiasson, LL.B

Presiding Hearing Commissioner

M.A. (Meg) Barker, P.Geol

Hearing Commissioner

Shona Mackenzie, C.Dir., P.Eng.

Hearing Commissioner

## **Appendix 1      The March Order**

**This appendix provides the main body of the order issued by the AER to AlphaBow Energy Ltd. on March 30, 2023. For brevity, an appendix to the order listing all AlphaBow AER licences has not been included. The full order, including its appendix, can be accessed at in Exhibit 09.01 of the hearing record, starting on PDF page 18.**

Made at Edmonton, in the  
Province of Alberta, on

March 30, 2023

ALBERTA ENERGY REGULATOR

**Under sections 26.2 and 27 of the *Oil and Gas Conservation Act (OGCA)*, sections 1.100 and 12.152 of the *Oil and Gas Conservation Rules (OGCR)*, and section 22.1 of the *Pipeline Act***

**AlphaBow Energy Ltd.**

Suite 300, 708 – 11 Ave SW  
Calgary, AB T2R 0E4

(AlphaBow or the Licensee)

WHEREAS AlphaBow is the holder of Business Associate (BA) code A7H2, and holds licences granted by the Alberta Energy Regulator (AER or Regulator) under the *OGCA* and *Pipeline Act* as listed in Appendix 1 (collectively, the Licences);

WHEREAS there is physical infrastructure associated with the Licences, including wells, well sites, facilities, facility sites, and pipelines (collectively, the Sites);

WHEREAS on July 28, 2022, as a result of finding that AlphaBow posed an unreasonable risk, the AER restricted AlphaBow's licence eligibility status to Limited due, in part, to a below industry average (and decreasing) field compliance rating; compliance history; assessed capability to meet their regulatory and liability obligations throughout the energy development life cycle; contradictory indications from AlphaBow regarding their ability to meet the 2022 mandatory closure spend target; and, outstanding debts including municipal taxes, surface lease payments, et cetera (LE Letter);

WHEREAS in the LE Letter, AlphaBow was expected to maintain a satisfactory field compliance rating of 75% and maintain improvement;

WHEREAS AlphaBow's field compliance rating remains below industry average and has been declining from 76% satisfactory in 2019 to 54% satisfactory in 2022, with 2023 preliminary results indicating a further decline to 42% satisfactory;

WHEREAS the AER is aware of a number of instances where AlphaBow failed to provide requested information prior to deadlines, including attestations and declarations under *Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals*, inspections, releases, and updates per the LE Letter;

WHEREAS on October 25, 2022, the AER issued a notice of noncompliance to AlphaBow for not immediately notifying the AER of a pipeline leak, as required under the *Pipeline Act*;

WHEREAS in a November 22, 2022, meeting with AlphaBow the AER shared concerns regarding AlphaBow's inconsistency in responding to the AER's information requests and meeting regulatory deadlines;

WHEREAS regarding releases FIS 20202316, 20220010, 20221771, 20222035, and 20222332, AlphaBow informed the AER that spill remediation, including not submitting remedial action plans, has been delayed or not completed due to failure to pay an environmental contractor(s);

WHEREAS in a January 31, 2023, email regarding contravention reporting under the *Environmental Protection and Enhancement Act (EPEA)* (FIS 20230280), AlphaBow informed the AER of a contravention with *EPEA* Approval 11796 air and groundwater requirements, indicating the causes of the contravention as lack of funds, resources, and staffing issues;

WHEREAS in a February 15, 2023, email regarding a release (FIS 20192713), AlphaBow informed the AER that it was unable to complete the remediation plan in 2022 due to lack of resources and funds;

WHEREAS in a March 9, 2023, email, AlphaBow informed the AER that no groundwater monitoring was completed in 2022 at a number of contaminated sites;

WHEREAS the AER requested the interim quarterly financial statements for September 2022 at the November 22, 2022, meeting and in emails dated December 6, 2022, March 1, 2023, and March 27, 2023, and as of the date of this Order, AlphaBow has not submitted them;

WHEREAS in an email dated March 21, 2023, the AER requested insurance coverage information (i.e., insurance renewal for 2023) in accordance with *Directive 067*. AlphaBow responded, "We should have quotation finalized this Friday and the renew should be done early of next week". As a result of AlphaBow's response, the AER extended the deadline to March 28, 2023. As of the date of this Order, no response from AlphaBow has been received;

WHEREAS the AER has issued notices of noncompliance to AlphaBow regarding the abandonment of 296 wells due to mineral lease expiries (see Appendix 2);

WHEREAS as of the date of this Order, the deadlines in the notices of noncompliance for 24 of the mineral lease-expired wells have passed without coming into compliance (Overdue MLE Wells), see Appendix 2;

WHEREAS as of March 28, 2023, the Inactive Well List, available on the AER website, has identified 748 wells as noncompliant with *Directive 013: Suspension Requirements for Wells* requirements;

WHEREAS as of March 28, 2023, the Liability Assessment Report in OneStop shows approximately \$153 million in estimated inactive liability, which is equal to approximately 58% of AlphaBow's total liability;

WHEREAS as of the date of this Order, AlphaBow remains on Limited Eligibility as AlphaBow has not demonstrated that it no longer poses an unreasonable risk and has not demonstrated improvement;

WHEREAS in section 2 of *Directive 088: Licensee Life-Cycle Management* the licensee capability assessment assesses the capabilities of licensees to meet their regulatory and liability obligations across the energy development lifecycle;

WHEREAS the AER assessed the following capabilities of AlphaBow: financial health; management and maintenance of regulated infrastructure and sites, including compliance with operational requirements; rate of closure activities and spending and pace of inactive liability growth; and compliance with administrative regulatory requirements, including the management of debts (LCA Factors);

WHEREAS the licensee capability assessment identifies AlphaBow as highly financially distressed with a high liability magnitude;

WHEREAS the AER has reviewed the LCA Factors and is of the opinion that AlphaBow does not have the capability to meet its regulatory and liability obligations across the energy development lifecycle;

WHEREAS per section 1.100(2) of the *OGCR*, the Regulator may require a licensee to provide a security deposit at any time where the Regulator considers it appropriate to do so to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment;

WHEREAS per section 12.152(1) of the *OGCR*, a “licensee shall provide financial and reserves information to the Regulator as and when directed by the Regulator for the purposes of (a) assessing licensee eligibility, ... or (c) otherwise to ensure the safe, orderly and environmentally responsible development of energy resources in Alberta including closure;

WHEREAS per section 27(1) of the *OGCA*, “a licensee or approval holder shall...abandon a well or facility when directed by the Regulator or required by the regulations or rules”;

WHEREAS Tyler Callicott, Director, Enforcement and Emergency Management (Director), has authority to issue orders under the *OGCA* and *Pipeline Act*;

WHEREAS based on the above, and in particular, AlphaBow’s compliance history and indications of financial distress, the Director is of the opinion that AlphaBow is not providing reasonable care and measures in a manner satisfactory to the Regulator and finds it necessary to impose terms and conditions to prevent impairment or damage in respect of the Sites;

WHEREAS the Regulator (Director) considers it appropriate to require AlphaBow to provide a security deposit to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment;



WHEREAS the Regulator (Director) considers it appropriate to direct AlphaBow to provide financial information to ensure the safe, orderly and environmentally responsible development of energy resources in Alberta including closure;

WHEREAS the Director is of the opinion that the mineral lease-expired wells require abandonment according to the regulations and rules and finds it necessary to further direct the abandonment of these wells;

Therefore, I, Tyler Callicott, Director, Enforcement and Emergency Management, under sections 26.2 and 27 of the *OGCA*, sections 1.100 and 12.152 of the *OGCR*, and section 22.1 of the *Pipeline Act*, do hereby order the following:

### **Reasonable Care and Measures**

1. **By 30 days from the date of this Order**, submit a Reasonable Care and Measures Plan (RCAM Plan), to the satisfaction of the Director, to demonstrate that reasonable care and measures are being provided at the Sites. The RCAM Plan must include, at a minimum:
  - a. Specific actions, including timelines, to improve AlphaBow's compliance rating to at least 75%, and actions that will be taken to address all outstanding noncompliances.
  - b. Specific actions to ensure AlphaBow will respond to noncompliances, incidents, information requests, and required reporting by the deadlines set by the AER.
  - c. Specific actions that will be taken to ensure AlphaBow is able to respond in the event of an incident or emergency, including actions and timelines to address all previous releases (e.g., release reporting and remedial action plans).
  - d. Specific actions, including timelines, to monitor already identified sites requiring monitoring and/or remedial work, including groundwater and soil monitoring (e.g., contaminated site monitoring, sites that require monitoring as an approval condition)
  - e. Specific actions, including timelines and resourcing details, to ensure that the 2023 annual mandatory spend, under *Directive 088*, is met.
  - f. A summary of all outstanding debts including municipal taxes, surface lease payments, outstanding royalties, and public land disposition fees, and specific actions, including timelines, to satisfy these debts.
2. AlphaBow must implement the RCAM Plan as approved by the Director.

### **Other Terms and Conditions**

3. **By 30 days from the date of this Order**, submit an Abandonment Plan with specific actions and timelines, to the satisfaction of the Director, to abandon all mineral lease-expired wells, including the abandonment of the Overdue MLE Wells within **six (6) months** from the date of this Order, if not

already managed under the January 11, 2023, approved Closure Plan as part of the Alternative Payment Plan for Security Owing in relation to the 2021 ABC Program.

4. **By April 1, 2023**, submit proof of insurance as required under section 4.2 of *Directive 067*.
5. **By 30 days from the date of this Order**, electronically update working interest participant information on OneStop for the wells and facilities licenced to AlphaBow.
6. AlphaBow must maintain persons in control of the Sites and corporation in order to ensure reasonable care and measures to prevent impairment or damage in respect of the Sites, and must:
  - a. confirm in writing the names, titles, and contact information of all persons in direct or indirect control of AlphaBow (e.g., directors, officers, and shareholders) no later than **five (5) calendar days** from the date of this Order.
  - b. immediately inform the AER in writing of any changes to the persons in direct or indirect control.
  - c. immediately inform the AER in writing of any other material changes, as described in section 5 of *Directive 067*.
7. AlphaBow must submit:
  - a. the interim quarterly financial statements for September 2022 within **2 (two) days** of the date of this Order;
  - b. future interim quarterly financial statements within **30 days** of the end of the respective annual quarter;
  - c. third-party audited annual financial statements and a financial summary (Directive 067, Schedule 3), **once finalized, or within 180 days of fiscal year end**.
8. **By 30 days from the date of this Order**, post a security deposit in the amount of \$15,374,050.00, which represents 10% of AlphaBow's inactive liability, to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and environment.

### General

9. All Plans and information required in this Order shall be submitted to [compliancecoordination@aer.ca](mailto:compliancecoordination@aer.ca) and [tyler.callicott@aer.ca](mailto:tyler.callicott@aer.ca).
10. If requested by the Director, AlphaBow shall submit, within **two (2) business days**, any records pertaining to this Order.

11. All submissions of work related to reasonable care and measures, or the completion of abandonment or reclamation shall be submitted in the format, and to the appropriate AER system, as required by AER regulations.
12. Where a deadline has been specified in this Order, the AER may authorize in writing a different deadline or reporting frequency as applicable.
13. In carrying out the requirements of this Order, AlphaBow shall obtain and comply with all required federal, provincial, or municipal permits and governing legislation and provide to the AER all authorizations obtained immediately upon receipt.
14. All applicable regulatory requirements are to be followed and complied with in the undertaking of any actions or direction prescribed under this Order.

Dated at the City of Edmonton in the Province of Alberta, the 30th day of March, 2023.

*<original signed by>*

Tyler Callicott  
 Director, Enforcement and Emergency Management  
 Alberta Energy Regulator

In complying with this order, the party or parties named must obtain all approvals necessary, notwithstanding the above requirements.

This order in no way precludes any enforcement actions being taken regarding this matter under the *OGCA*, *OGCR*, or *Pipeline Act* or any other provincial or federal legislation, or by any other regulator with jurisdiction.

All enforcement actions issued by the AER may be subject to a follow-up review to confirm previous commitments have been completed and measures have been implemented, to ensure similar noncompliances are prevented in the future. The AER may request any information that demonstrates steps have been taken to prevent repeat noncompliances from occurring.

Under the *Responsible Energy Development Act*, an eligible person may appeal decisions that meet certain criteria. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request according to the AER's requirements. You can find filing requirements and forms on the AER website, [www.aer.ca](http://www.aer.ca), under Regulating Development: Project Application: Regulatory Appeal Process.

## **Appendix 2      The June Order**

**This appendix provides the main body of the order issued by the AER to AlphaBow Energy Ltd. on June 5, 2023. For brevity, an appendix to the order listing all AlphaBow AER licences has not been included. The full order, including its appendix, can be accessed at in Exhibit 06.01 of the hearing record, starting on PDF page 22.**

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Made at Edmonton, in the  
Province of Alberta, on

June 5, 2023

ALBERTA ENERGY REGULATOR

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**Under section 27 of the *Oil and Gas Conservation Act (OGCA)*, and section 23 of the *Pipeline Act***

**AlphaBow Energy Ltd.**

Suite 300, 708 – 11 Ave SW

Calgary, AB T2R 0E4

(AlphaBow, or the Licensee)

WHEREAS AlphaBow is the holder of Business Associate (BA) code A7H2, and holds licences granted by the Alberta Energy Regulator (AER or the Regulator) under the *OGCA* and *Pipeline Act* as listed in Appendix 1 (collectively, the Licences);

WHEREAS there is physical infrastructure associated with the Licences, including wells, well sites, facilities, facility sites, and pipelines (collectively, the Sites);

WHEREAS on July 28, 2022, the AER found that AlphaBow posed an unreasonable risk and restricted AlphaBow's licence eligibility status to Limited, due in part to AlphaBow's decreasing field compliance rating, compliance history and its assessed lack of capability to meet its regulatory and liability obligations throughout the energy life cycle;

WHEREAS on March 30, 2023, the AER issued an Order (the March Order) to AlphaBow under sections 26.2 and 27 of the *OGCA*, sections 1.100 and 12.152 of the *Oil and Gas Conservation Rules (OGCR)*, and section 22.1 of the *Pipeline Act*, due in part to concerns that AlphaBow was not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, and to mitigate the risks of AlphaBow's assessed lack of capability to meet its regulatory and liability obligations throughout the energy life cycle;

WHEREAS the March Order required AlphaBow to submit a Reasonable Care and Measures Plan (RCAM Plan) to the satisfaction of the Director within thirty (30) calendar days to demonstrate that reasonable care and measures were being provided at the Sites;

WHEREAS the March Order required AlphaBow to submit an Abandonment Plan to the satisfaction of the Director to abandon all mineral-lease expired wells within six (6) months if not already managed under the January 11, 2023, approved Closure Plan as part of the Alternative Payment Plan for Security



owing in relation to the 2021 Area Based Closure Program;

WHEREAS the March Order required AlphaBow to electronically update the working interest participant (WIP) information on OneStop for the wells and facilities licenced to AlphaBow within thirty (30) days;

WHEREAS the March Order required AlphaBow to post a security deposit in the amount of \$15,374,050.00, representing 10% of AlphaBow's inactive liability, to offset the estimated costs of abandoning and reclaiming a well or facility and of carrying out any other activities necessary to ensure the protection of the public and the environment within thirty (30) days;

WHEREAS the AER extended the thirty-day deadline for clauses 1, 3, 5, and 8 of the March Order until May 15, 2023;

WHEREAS on May 12, 2023, AlphaBow made a submission to the AER indicating it had attempted to update its WIP information but experienced difficulties with AER systems;

WHEREAS the AER acknowledges that AlphaBow had updated some of its WIP information and was complying with the WIP requirement in the March Order;

WHEREAS the May 12, 2023, submission included an RCAM Plan and a statement that AlphaBow was committing to bringing every mineral lease-expired well (MLE wells) into compliance within 12 months by March 31, 2024;

WHEREAS the AER reviewed the RCAM Plan and informed AlphaBow that it was not sufficient for approval due to several deficiencies, including but not limited to, lacking specific actions and timelines, failure to provide actions and identify changes that would result in improvement in AlphaBow's overall compliance with AER regulations, failure to specifically address how AlphaBow would change its programs to improve its field compliance rating to the industry average, failure to address outstanding noncompliances, lack of detail regarding how and when the medium risk type 6 wells would be brought into compliance, no details on how AlphaBow will meet its 2023 annual mandatory spend, and insufficient details regarding all outstanding debts and the actions and timelines to satisfy these debts;

WHEREAS on June 2, 2023, in an email to the AER, AlphaBow stated that "This last action of shutting in 60% of its sites is AlphaBow's final action to address stated AER concerns to ensure proper custody and care of its sites, protect the environment and ensure safety.";

WHEREAS on May 23, 2023, AlphaBow submitted a proposal regarding the payment of the required \$15,374,050.00 security deposit, proposing that it would not provide the security deposit but would continue to meet or exceed its annual minimum mandatory spend;

WHEREAS on May 23, 2023, the AER informed AlphaBow that its proposal regarding the security deposit was not acceptable to the Director as it did not contain a plan or proposal for meeting the requirement in the March Order;

WHEREAS on May 29, 2023, AlphaBow submitted a proposal stating it would "... put \$1,921,756 in

escrow with a Calgary legal firm for the sole purpose of AER Manual 23 voluntary spend” every 3 months over eight quarters, with the option to reduce the amount, as an alternative to the required security deposit of \$15,374,050.00;

WHEREAS the alternative proposal does not meet the requirements of sections 3 and 4 of *Directive 068: Security Deposits*, which states the AER will only accept either a cheque drawn on the account of the licensee, a cheque drawn on a legal trust account in the name of the licensee, a money order identifying the licensee, a bank draft identifying the licensee, or a renewable irrevocable letter of credit issued by an eligible financial institution in the exact legal name of the licensee;

WHEREAS on May 25, 2023, AlphaBow made a submission of an abandonment plan to the AER;

WHEREAS the AER reviewed the Abandonment Plan and informed AlphaBow that it was not sufficient for approval due to several deficiencies, including but not limited to, lacking the month and year abandonment activities were planned for each well, no dates and commitments to abandon each well, a timeline was not provided for reacquiring mineral rights to 53 wells and an alternative plan for abandonment if AlphaBow is unable to obtain the mineral rights was not provided, and 94 of the MLE wells were not listed in the plan;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER titled “Exhibit 1” regarding the Abandonment Plan for the MLE wells;

WHEREAS the Director has reviewed the Abandonment Plan and is of the opinion it is acceptable, and that AlphaBow has complied with Clause 3 of the March Order;

WHEREAS in the May 24, 2023, submission, AlphaBow proposed, beginning with the quarter ending June 30, 2023, to provide third party “Review Engagement” statements, and would provide the “Review Engagement” for beginning with the year ended December 31, 2023, in lieu of audited financial statements;

WHEREAS on May 26, 2023, the AER informed AlphaBow that its proposal to provide “Review Engagement” statements in lieu of audited annual year-end statements was not acceptable;

WHEREAS on May 29, 2023, AlphaBow made a submission to the AER stating it was not possible to comply with the deadline for audited 2022 year-end financial statements and proposed a Review Engagement Report for the 2022 year-end financial statements;

WHEREAS on May 31, 2023, the AER voluntarily granted an extension until August 31, 2023, for submission of third party audited 2022 year-end financial statements;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER and stated it would commence audited financial statements for the 2022 year-end and provide them once finalized and would provide future annual third party audited financial statements with 180 days or once finalized;

WHEREAS on April 4, 2023, the AER issued invoices to AlphaBow for the 2023 Administration Fee and

the 2023 Orphan Fund Levy (OFL), with payment due prior to May 4, 2023;

WHEREAS on May 15, 2023, the AER issued two Notices of Noncompliance including a 20% penalty for late payment for failure to pay the 2023 Administration Fees for a total amount owing of \$619,787.79;

WHEREAS on May 15, 2023, the AER issued a Notice of Noncompliance including a 20% penalty for late payment for failure to pay the 2023 OFL for a total amount owing of \$1,442,184.94;

WHEREAS as of the date of this Order, AlphaBow has failed to pay both the 2023 Administration Fees and the 2023 OFL;

WHEREAS on June 2, 2023, AlphaBow made a submission to the AER, and regarding the 2023 Administration Fee and 2023 OFL stated “AlphaBow will pay these amounts shortly after the March 30 Order is lifted or rescinded as this will up deposit amounts being required due to the Order.”;

WHEREAS Tyler Callicott, Director, Enforcement and Emergency Management (the Director), has authority to issue orders under the *OGCA* and the *Pipeline Act*;

WHEREAS based on the above, the Director is of the opinion that AlphaBow is noncompliant with clauses 1 and 8 of the March Order;

WHEREAS the Director is of the opinion that AlphaBow is not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, based in part on AlphaBow’s failure to provide an acceptable RCAM Plan, and finds it is necessary to suspend the wells and facilities and discontinue the pipelines listed in Appendix 1;

WHEREAS the Director believes that issuing this order is necessary, as a result of AlphaBow’s failure to comply with the March Order, to safeguard the public interest by preventing AlphaBow from continuing to breach AER requirements and orders, and in order to protect public safety and the environment;

WHEREAS the Director is of the opinion that AlphaBow poses a risk for being unable to fulfil its end-of-life closure responsibilities for the Sites;

Therefore, I, Tyler Callicott, under section 27 of the *OGCA*, and section 23 of the *Pipeline Act* do hereby order the following:

#### **Required Actions- Suspension/Discontinuation**

1. All of the AlphaBow Licences in Appendix 1 are hereby suspended.
2. All AlphaBow Sites must be suspended in a safe manner that is acceptable to the AER within **fourteen (14) calendar days** from the date of the Order.
  - a. All wells and facilities listed in Appendix 1 must be suspended following safe industry recognized practices.

- b. AlphaBow must risk rank all pipelines listed in Appendix 1, and as such those with the highest potential for failure and adverse effect to the environment must be of the highest priority when conducting the discontinuation work.
  - c. All pipelines listed in Appendix 1 must be discontinued according to AlphaBow's internal pipeline operations and maintenance manual (POMM) and AlphaBow's pipeline integrity and management program (PIMP), and in accordance with the *Pipeline Act* and the *Pipeline Rules*.
3. Any hazards on the Sites that present a risk to public safety or the environment, must be immediately reported to the AER and addressed in a manner acceptable to the AER no later than **fourteen (14) calendar days** from the date of this Order.
  4. Within **ninety (90) calendar days** from the date of this Order, AlphaBow must ensure all its wells meet the suspension requirements set out in *Directive 013: Suspension Requirements for Wells*.
  5. Any containment devices or equipment including, but not limited to, tanks, vessels, pipelines, lease piping, sumps, drains, tubs, containers, pits, or containment rings on any of the AlphaBow Sites must be depressurized, emptied (with all fluids removed from site and disposed of in a manner acceptable to the AER), and rendered safe in a manner acceptable to the AER no later than **ninety (90) calendar days** from the date of this Order;

### Reporting

6. AlphaBow must provide in writing to the Director, within **fourteen (14) calendar days** from the date of this Order, confirmation that all AlphaBow Sites, wells, and pipelines have been suspended and discontinued in accordance with Clause 2 of this Order.
7. Beginning **fourteen (14) calendar days** from the date of this Order, AlphaBow must provide written updates every two (2) weeks to the Director with details on the progress of the work required under Clauses 4 & 5 of this Order.
8. AlphaBow must provide in writing to the Director, within **ninety (90) calendar days** from the date of this Order, confirmation that all AlphaBow Sites have been suspended and the pipelines discontinued per Clauses 2, 4, and 5 of this Order, to the satisfaction of the Director.

### Additional Terms and Conditions – Reactivation Plan

9. In addition to the requirements of this Order, prior to the Director considering lifting the suspension of operations, AlphaBow must:
  - a. Come into compliance with the March Order.
  - b. Come into compliance with the 2023 Administrative Fee and the 2023 Orphan Fund Levy.

- c. Submit a Reactivation Plan to the Director for review and approval. At a minimum, the Reactivation Plan must include details of actions and timelines for completion of these actions, to safely reactivate the AlphaBow Sites, including verifying the integrity of AlphaBow's wells, facilities, and pipelines prior to resumption of operation.
- d. Implement the Reactivation Plan as approved by the Director.

## General

- 10. All plans and information required in this Order shall be submitted to ComplianceCoordination@aer.ca and Tyler.Callicott@aer.ca.
- 11. If requested by the Director, AlphaBow shall submit, within **two (2) business days**, any records pertaining to this Order.
- 12. All submissions of work related to reasonable care and measures, or the completion of abandonment or reclamation shall be submitted in the format, and to the appropriate AER system, as required by AER regulations.
- 13. Where a deadline has been specified in this Order, the AER may authorize in writing a different deadline or reporting frequency as applicable.
- 14. In carrying out the requirements of this Order, AlphaBow shall obtain and comply with all required federal, provincial, or municipal permits and governing legislation and provide to the AER all authorizations obtained immediately upon receipt.
- 15. All applicable regulatory requirements are to be followed and complied with in the undertaking of any actions or direction prescribed under this Order.

Dated at the City of Edmonton in the Province of Alberta, the 5<sup>th</sup> day of June, 2023.

*<Original signed by>*

Tyler Callicott  
Director, Enforcement and Emergency Management  
Alberta Energy Regulator

In complying with this order, the party or parties named must obtain all approvals necessary, notwithstanding the above requirements.

This order in no way precludes any enforcement actions being taken regarding this matter under the *OGCA* or *Pipeline Act*, or any other provincial or federal legislation, or by any other regulator with jurisdiction.

All enforcement actions issued by the AER may be subject to a follow-up review to confirm previous commitments have been completed and measures have been implemented, to ensure similar noncompliances are prevented in the future. The AER may request any information that demonstrates steps have been taken to prevent repeat noncompliances from occurring.

Under the *Responsible Energy Development Act*, an eligible person may appeal decisions that meet certain criteria. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request according to the AER's requirements. You can find filing requirements and forms on the AER website, [www.aer.ca](http://www.aer.ca), under Regulating Development: Project Application: Regulatory Appeal Process.





Appendix 3      List of Hearing Participants

Principals and Representatives (Abbreviations used in report)	Witnesses
AlphaBow Energy Ltd. (AlphaBow)	B. Li
G. Stapon, Legal Counsel	R. Ironside
K. Cameron, Legal Counsel	W. Pederson
	K. Serginson
	A. Zhang
AER Compliance and Liability Management (CLM)	T. Callicott
C. Ross, Legal Counsel	J. Dahlgren
M. Lavelle, Legal Counsel	L. Olsen
	A. Lewis
	R. Green
	K. Langlois
Alberta Energy Regulator staff	
A. Doebele, AER Counsel	
A. Huxley, AER Counsel	
A. Lung	
D. Parsons	
A. Stanislavski	
T. Wheaton	
E. Arruda	



Appendix 4

Regulatory Provisions: March Order



## Appendix 4

### Regulatory provisions relevant to the March Order

#### ***Oil and Gas Conservation Act (OGCA)***

##### **Reasonable care, measures to prevent impairment or damage**

26.2(1) A licensee or approval holder shall provide reasonable care and measures to prevent impairment or damage in respect of a well, facility, well site or facility site.

(2) If, in the opinion of the Regulator, a licensee or approval holder has failed or is unable to provide reasonable care and measures to prevent impairment or damage in respect of a well, facility, well site or facility site, the working interest participants in the well, facility, well site or facility site shall provide reasonable care and measures to prevent impairment or damage in respect of the well, facility, well site or facility site.

(3) If reasonable care and measures to prevent impairment or damage in respect of a well, facility, well site or facility site are not being provided in a manner satisfactory to the Regulator, the Regulator may order the licensee, a working interest participant or a delegated authority under Part 11 to provide reasonable care and measures to prevent impairment or damage in respect of the well, facility, well site or facility site and may impose any terms or conditions that the Regulator determines are necessary in the order.

(4) The provision of reasonable care and measures to prevent impairment or damage in respect of a well, facility, well site or facility site must be carried out in accordance with the rules and any terms or conditions imposed by the Regulator.

##### **Suspension and abandonment**

27(1) Subject to subsection (2), a licensee or approval holder shall suspend or abandon a well or facility when directed by the Regulator or required by the regulations or rules.

(2) Notwithstanding subsection (1),

(a) if the Regulator so directs, a well or facility must be suspended or abandoned by a working interest participant other than the licensee or approval holder, and

(b) with the consent of the Regulator, a well or facility may be suspended by a working interest participant other than the licensee or approval holder.

(3) The Regulator may order that a well or facility be suspended or abandoned where the Regulator considers that it is necessary to do so in order to protect the public or the environment.

(4) A suspension or abandonment must be carried out in accordance with the regulations or rules.



***Oil and Gas Conservation Rules (OGCR)***

1.100(1) In this section “facility” does not include an oilfield waste management facility.

(2) The Regulator may require a licensee to provide a security deposit

(a) before approving a transfer of a licence,

(b) at any time the licensee fails a licensee liability rating assessment conducted by the Regulator,

(b.1) at any time the licensee fails a liability management rating assessment conducted by the Regulator,

(c) at any time where the Regulator considers it appropriate to do so to offset the estimated costs of suspending, abandoning or reclaiming a well, facility, well site or facility site,

(d) at any time where the Regulator considers it appropriate to do so to offset the estimated costs of providing care and custody for a well, facility, well site or facility site, and

(e) at any time where the Regulator considers it appropriate to do so to offset the estimated costs of carrying out any other activities necessary to ensure the protection of the public and the environment.

(3) The Regulator may require an applicant for a transfer of a licence who is not a licensee to provide a security deposit for any purpose referred to in subsection (1)(c), (d) or (e).

(4) The Regulator may require a security deposit to be provided, and may administer a security deposit,

(a) relative to a particular well, facility, well site or facility site, or

(b) relative to the operations of the licensee generally, and may convert a security deposit from one such basis to the other.

(5) Where the Regulator determines that a security deposit currently held by the Regulator is inadequate for the purposes provided for in subsection (2), the Regulator may require the licensee to provide any additional amounts that the Regulator considers necessary.

(6) A security deposit must be in one of the following forms, as determined by the Regulator:

(a) cash;

(b) an irrevocable letter of credit in a form acceptable to the Regulator.

(7) The Regulator may require that a security deposit be provided all at the same time or in portions in the amounts and at the times specified by the Regulator.

(8) Where a licensee fails to meet an obligation or carry out an activity in respect of which the security deposit was provided, the Regulator may,

(a) in the case of a cash security deposit, apply all or part of the security deposit held in the name of the licensee and any earned interest towards the costs required to meet the obligation or carry out the activity;

(b) in the case of a security deposit in the form of a letter of credit, cash the letter of credit and apply any or all of the cash towards the costs required to meet the obligation or carry out the activity.

(9) Where a person other than the licensee does anything for the purposes of meeting the obligation or carrying out the activity in respect of which the security deposit was provided, the Regulator may distribute any or all of the security deposit to that person for that purpose.

(10) On the request of a licensee the Regulator shall return a security deposit, together with earned interest, where the Regulator is satisfied that the licensee

(a) has fully met all of the obligations and carried out all of the activities in respect of which the security deposit was provided, and

(b) has met the other eligibility requirements of the Regulator for a full refund of the security deposit.

(11) On the request of a licensee the Regulator may return part of a security deposit where the Regulator is satisfied that the licensee

(a) has partially met the obligations and carried out the activities in respect of which the security deposit was required, and

(b) has met the other eligibility requirements of the Regulator for a partial refund of the security deposit.

## **Abandoned Wells**

3.012 A licensee shall abandon a well or facility

(a) on the termination of the mineral lease, surface lease or right of entry,

(b) where the licensee fails to obtain the necessary approval for the intended purpose of the well, if the licensee does not hold the right to drill for and produce oil or gas from the well,

(c) if the licensee has contravened an Act, a rule, a regulation or an order or direction of the Regulator and the Regulator has suspended or cancelled the licence,

(d) if the Regulator notifies the licensee that in the opinion of the Regulator the well or facility may constitute an environmental or a safety hazard,

(e) if the licensee is not or ceases to be a working interest participant in the well or facility,

(e.1) if the licensee

(i) is not or ceases to be resident in Alberta,

(ii) has not appointed an agent in accordance with section 91 of the Act, and

(iii) does not hold a subsisting exemption under section 1.030 from the requirement to appoint an agent,

(f) if the licensee is

(i) a corporation registered, incorporated or continued under the Business Corporations Act whose status is not active or has been dissolved or if the corporate registry status of the corporation is struck or rendered liable to be struck under any legislation governing corporations, or

(ii) an individual who is deceased,

(g) if the licensee has suspended the well in contravention of the requirements established by the Regulator under section 3.020,

(g.1) when required by the Regulator pursuant to timelines set out in Directives related to closure published by the Regulator, or

(h) where otherwise ordered to do so by the Regulator.

12.152(1) A licensee shall provide financial and reserves information to the Regulator as and when directed by the Regulator for the purpose of

(a) assessing licensee eligibility,

(b) administering the liability management programs set out in Directives published by the Regulator, or

(c) otherwise to ensure the safe, orderly and environmentally responsible development of energy resources in Alberta including closure.

(2) The information provided under this section must be kept confidential by the Regulator as follows:

(a) in the case of financial information, for a period of 5 years;

(b) in the case of reserves information, for a period of 15 years.

### ***Pipeline Act***

#### **Reasonable care, measures to prevent impairment or damage**

22.1(1) A licensee shall provide reasonable care and measures to prevent impairment or damage in respect of a pipeline in accordance with the rules.

(2) If reasonable care and measures to prevent impairment or damage in respect of a pipeline are not being provided in a manner satisfactory to the Regulator, the Regulator may order a licensee or a delegated authority under Part 11 of the Oil and Gas Conservation Act to provide reasonable care and measures to prevent impairment or damage in respect of the pipeline on any terms or conditions that the Regulator considers appropriate.

(3) Reasonable care and measures to prevent impairment or damage in respect of a pipeline shall be provided in accordance with the rules.

## **Appendix 5      Regulatory Provisions: June Order**



## Appendix 5

### Regulatory provisions relevant to the June Order

#### ***Oil and Gas Conservation Act (OGCA)***

##### **Interpretation**

1(1) In this Act,

(a) “abandonment”, subject to section 68(a), means the permanent dismantlement of a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a permanently safe and secure condition;

(xx) “suspension”, subject to section 68(f), means the temporary cessation of operations at a well or facility in the manner prescribed by the regulations or rules and includes any measures required to ensure that the well or facility is left in a safe and secure condition;

##### **Suspension and abandonment**

27(1) Subject to subsection (2), a licensee or approval holder shall suspend or abandon a well or facility when directed by the Regulator or required by the regulations or rules.

(2) Notwithstanding subsection (1),

(a) if the Regulator so directs, a well or facility must be suspended or abandoned by a working interest participant other than the licensee or approval holder, and

(b) with the consent of the Regulator, a well or facility may be suspended by a working interest participant other than the licensee or approval holder.

(3) The Regulator may order that a well or facility be suspended or abandoned where the Regulator considers that it is necessary to do so in order to protect the public or the environment.

(4) A suspension or abandonment must be carried out in accordance with the regulations or rules.

#### ***Pipeline Act***

##### **Interpretation**

1(1) In this Act,

(a) “abandonment” means the permanent deactivation of a pipeline or part of a pipeline in the manner prescribed by the rules, whether or not the pipeline or part of the pipeline is removed;

(g) “discontinuation” means the temporary deactivation of a pipeline or part of a pipeline;

##### **Discontinuation and abandonment**

23(1) A licensee shall discontinue or abandon a pipeline when directed by the Regulator or required by the rules.

- (2) The Regulator may order that a pipeline be discontinued or abandoned where the Regulator considers that it is necessary to do so in order to protect the public or the environment.
- (3) A discontinuation or abandonment must be carried out in accordance with the rules.



This is Exhibit "D" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



---

A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**

# Licensee Life-Cycle Management

February 2025

**Alberta Energy Regulator**

Manual 023: Licensee Life-Cycle Management

February 2025

Published by

**Alberta Energy Regulator**

Suite 1000, 250 – 5 Street SW

Calgary, Alberta

T2P 0R4

Telephone: 403-297-8311

Toll free: 1-855-297-8311

Email: [inquiries@aer.ca](mailto:inquiries@aer.ca)

Website: [www.aer.ca](http://www.aer.ca)

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# 1 Introduction

This manual supplements *Directive 088: Licensee Life-Cycle Management*, expanding on its requirements and programs. This manual is designed to be flexible and responsive to new information. We are actively monitoring the effectiveness of these programs and expect to update this manual frequently as changes are made.

This edition was updated to support the changes made to *Directive 001: Requirements for Site-Specific Liability Assessments*, *Directive 011: Estimated Liability*, *Directive 068: Security Deposits*, and *Directive 088: Life-Cycle Management*:

- References and terminology were updated.
- Definitions around liability moved into *Directive 011*.
- Appendix 1 was added to further explain the crossover timeline parameter.
- The security approach was clarified based on revisions to *Directive 068*.
- The content around the Conditional Adjustment of Reclamation Liability (CARL) Program was moved into *Directive 011*.

# 2 Holistic Licensee Assessment

As described in *Directive 088*, the holistic assessment includes multiple factors. The LCA is a critical one. Additional factors are described in section 4.5 of [Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals](#), and the AER may consider any other factors or information that would be appropriate in the circumstance. These factors include other inspection, audit, or compliance elements not included in the LCA and information provided to the AER through complaints and other licensee submissions and reporting. Section 5.2 describes other factors that may be considered related to transfer applications.

## 2.1 Licensee Capability Assessment

As described in section 2 of *Directive 088*, the LCA uses various factors to identify the risks posed by a licensee. Table 1 groups the factors described in *Directive 088* into two groups, risk and performance, and ties them to terms used in the LCA. The groups and terms are further explained with details in the following sections and tables.

**Table 1. Licensee capability assessment terms and factors**

LCA group	LCA factors in <i>Directive 088</i>	LCA term
Risk	Financial health	Level of financial distress
	Estimated total magnitude of liability (active & inactive), including abandonment, remediation, and reclamation	Magnitude of liability
Performance	Remaining lifespan of mineral resources and infrastructure and the extent to which existing operations may fund current and future liabilities	Remaining lifespan of resources
	Management and maintenance of regulated infrastructure and sites, including compliance with operational requirements	Operations
	Rate of closure activities, closure spending, and inactive liability change	Closure
	Compliance with administrative regulatory requirements, including the management of debts, fees, and levies	Administration

The AER continues to monitor and update the LCA to ensure the information remains relevant and aligns with the liability management outcomes. We may add, remove, or recalibrate factors and parameters where appropriate, and any such revisions will be noted in this manual.

### 2.1.1 Risk Group

The risk factors in the LCA are used to assess the level of financial distress and the magnitude of estimated liability for each licensee and will be categorized as low, medium, or high. These factors evaluate the likelihood of a licensee being able to fund and manage their regulatory and liability obligations.

#### 2.1.1.1 Level of Financial Distress

Level of financial distress is determined by analyzing the financial information required annually or as directed by the AER through *Directive 067*. Widely accepted financial ratios (parameters) were selected based on their ability to distinguish licensees that are financially healthy from those that are in distress. The selected ratios measure a company's profitability over time, their liquidity and ability to meet obligations as they come due, and the level of debt used to finance the business. Ratios are calculated using information submitted directly to the AER, as required, via schedule 3 of *Directive 067*. The financial parameters and associated weightings used in the LCA are represented in table 2.



**Table 2. Level of financial distress: parameters, definitions, risk ranges, and associated weightings**

Parameter	Description	Low	Medium	High	Relative Weight
Net profit margin (three-year average)	Ratio of net profit over revenues, or the percentage of income kept as profit. This is averaged over three years to smooth unusual gains/losses in a single year.	>0%	≤0% and >-25%	≤-25%	30%
Current ratio	Ratio of current assets (i.e., cash and other assets that are expected to be converted to cash within a year) over current liabilities (i.e., amounts due to be paid to creditors within a year) to measure whether a company can pay their obligations as they come due.	>90%	≤90% and >70%	≤70%	30%
Debt to equity	A ratio of debt over equity to measure financial leverage, indicating the degree to which a company has financed its operations with borrowed money versus wholly owned funds. Debt includes amounts due to related parties and shareholders.	≥0 and <1.33	≥1.33 and <1.67	≥1.67 or <0	10%
Interest coverage ratio	A ratio of earnings over interest expense, used to determine how easily a company can pay interest on its outstanding debt. Earnings are before interest, tax, depreciation, amortization and various non-cash, one-time, irregular, and non-recurring items.	>3.0	≤3.0 and >2.0	≤2.0	20%
Cash flow from operations to debt	A ratio of cash flows from operations over debt, which indicates how easily a company can repay its debt. Debt includes amounts due to related parties and shareholders.	>35%	≤35% and >20%	≤20%	10%

Licensee financial information submitted to the AER is used to calculate the value of each parameter. The value of each parameter is then normalized to a value between 0 and 100 based on the ranges defined in table 2. Once normalized, the parameters are weighted and added together to produce the overall assessment of the licensee's level of financial distress as low (<33.3), medium (≥33.3 and <66.7), and high (≥66.7 and ≤100).

Financial information provided to the AER will be kept confidential for five years as stated in section 12.152(2)(a) of the [Oil and Gas Conservation Rules](#) (OGCR).

#### 2.1.1.2 Magnitude of Estimated Liability

A licensee's magnitude of estimated liability includes the total estimated liability of all its infrastructure. Definitions of the different types of liability are outlined in *Directive 011*.

Magnitude of estimated liability is either low, medium, or high. The thresholds are as follows:

- Low – less than \$25 million Canadian dollars
- Medium – equal to or greater than \$25 million and less than \$150 million Canadian dollars

- High – equal to or greater than \$150 million Canadian dollars

Licensees are to use the OneStop Liability Assessment Report to understand their liabilities.

### 2.1.2 Performance Group

At the factor level, a licensee's performance is assessed relative to licensees with similar business type, size, and production portfolio—referred to as peer groups (section 2.1.2.1). The peer groups, along with a weighting for each parameter and a tier methodology (section 2.1.2.2), are used to assess the individual parameters within a performance group and for the LCA factor itself.

#### 2.1.2.1 Peer Group

The AER uses peer groups to classify all licensees according to three attributes: primary activity type, production level, and primary production type. Peer groups allow the comparison of licensees against other licensees with similar attributes.

First, licensees are grouped by their primary business activity:

- Pipelines refers to licensees that hold oil or gas AER-approved pipeline licences where more than 50 per cent of their infrastructure is pipelines.
- Midstream licensees hold facility licences and may handle third-party volumes for a fee. Midstream activities may include the operation of a gas storage scheme, custom processing facility, water or gas injection or disposal well, gas gathering, transportation or compression scheme, marketing, or any other activity determined by the AER to be a midstream activity. A licensee is classified as midstream if more than 50 per cent of its estimated liabilities are associated with facility licences.
- Waste management licensees hold AER-approved waste management facilities where more than 50 per cent of estimated liabilities are associated with waste management approvals.
- Producers are licensees holding well licences where the majority of their estimated liabilities are associated with well licences. These wells may or may not be active.

Second, the producers peer groups are further defined by the size of company based on production levels and their primary production or commodity type (figure 1), which have been classified as follows:

- Micro – less than one thousand barrels of crude oil equivalent per day (MBOE/D)
- Junior – equal to or greater than 1 and less than 10 MBOE/D
- Intermediate – equal to or greater than 10 and less than 50 MBOE/D
- Large/Major – equal to or greater than 50 MBOE/D

Commodity types include the following:

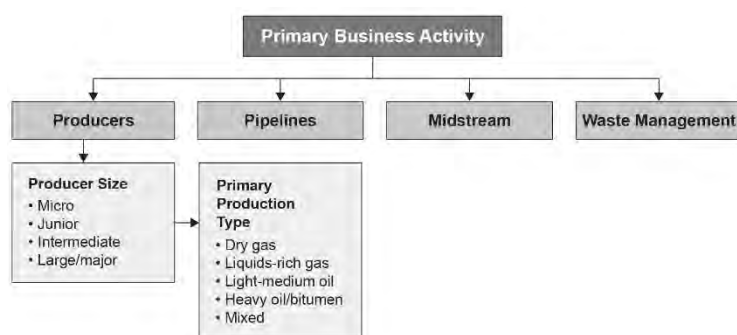
- Dry gas
- Liquid rich gas
- Light-medium oil
- Heavy oil/bitumen
- Mixed

A two-thirds threshold was used to gather licensees into a production-commodity group. For instance, if two-thirds of a licensee's production is light-medium oil, then that company is labelled as such.

Companies that do not meet the threshold for a single product fall into the "mixed" group.

A "dry gas" producer is defined as one whose production in the last 12 months consists of 66.66% or greater natural gas, of which 30% or less is condensate production. Natural gas is defined as methane, ethane, propane, butane, and pentane. Condensate gas is defined as ethane, propane, butane, and pentane.

For the purpose of the LCA, we have consolidated some groups together in order to establish group sizes that can represent a reasonable distribution.



**Figure 1. Illustration of peer groups**

The above characteristics are combined into this list of primary peer groups:

- Producer – Micro – Oil
- Producer – Micro – Gas
- Producer – Micro – Mixed
- Producer – Junior – Oil
- Producer – Junior – Gas
- Producer – Junior – Mixed
- Producer – Junior – Oil
- Producer – Intermediate – Gas
- Producer – Intermediate – Mixed
- Producer – Large/Major – Oil or Mixed
- Midstream
- Pipelines
- Waste Management

For the midstream, waste management, and pipeline peer group, only a portion of the parameters defined in section 2.1 are applicable. We are working to develop applicable parameters. In the meantime, holistic assessments of licensees within the pipeline peer group will often require additional information from licensees, particularly when applying for licence transfers.

#### 2.1.2.2 Factor and Parameter Tier Methodology

For most individual parameters and for each factor within the performance group described in section 2.1.2, licensees are tiered according to their performance relative to the top performer (which is ranked at 100%) and the bottom performer (ranked at 0%) within the peer group. Each licensee will fall into one of three tiers:

- Tier 1 is for performers with a ranking of 75% or higher within the peer group's performance range.
- Tier 2 is for performers ranking below 75% and above 25% within the range.
- Tier 3 is for performers ranking 25% or below within the range.

Since tiering is based on performance, it is possible for the majority of licensees within a peer group to share the same tier, or licensees may be more evenly spread across all three tiers.

Licensees submit information to the AER on a recurring basis according to existing directives and requirements, which is used to calculate the tiers.

The ranking for the following parameters is based on predefined thresholds, rather than a peer comparison (see table 3 and table 6):

- Crossover timeline
- Administrative levy compliance
- Orphan fund levy compliance

The parameters and weights vary to reflect the differences in peer groups, as the relevance of some parameters depend on the business activity (defined in section 2.1.2.1). Parameters with higher weights are more informative of performance for that business activity, and therefore have greater influence on the final tier level.

Where values cannot be calculated for one or more parameters that comprise a factor, the weightings of the other parameters are scaled or prorated to compensate for the missing data.

Licensees are able to see their own LCA data and where they rank relative to their peers. They can also see which other licensees are included in their peer group. However, detailed data for those peers is not available.

New licensees will not have historical performance data, therefore, the LCA may identify them as more or less risky than they actually are. The AER will take this into consideration when conducting holistic licensee assessments of new licensees.

#### 2.1.2.3 Performance Group Parameters

The tables below describe the parameters used in the performance group. Most parameter calculations are based on a 36-month performance window unless otherwise stated.

#### 2.1.2.4 Remaining Lifespan of Resources

This factor evaluates the expected longevity of a licensee's mineral resources and infrastructure, as well as the ability of current operations to fund required closure activities. A detailed explanation of how the crossover timeline parameter is calculated can be found in appendix 1.

**Table 3. Remaining lifespan of resources: parameters and associated weightings**

Parameters	Description	Weights	
		Producers	Midstream, Waste Management & Pipeline
Production trend	Annualized rate of change of production over the previous 36 months, subject to availability of data	25%	0%
Inactive well ratio	Ratio of inactive wells to wells that have not been abandoned (both active and inactive)	25%	10%
Marginal well ratio	Ratio of wells producing 1.59 cubic metres of oil equivalent per day (10 barrels of oil equivalent per day) or less to active wells	25%	0%
Inactive facility ratio	Ratio of inactive facilities to facilities that have not been abandoned (both active and inactive)	15%	70%
Crossover timeline	Estimate of the timeframe when magnitude of inactive liability will exceed the forecasted operating cash flow from remaining proven, developed reserves* Tier 1 (ranking 100%) = very far: $\geq 15$ years Tier 1 (ranking 80%) = far: $\geq 7$ and $< 15$ years Tier 2 (ranking 50%) = medium: $\geq 3$ and $< 7$ years Tier 3 (ranking 0%) = near: $< 3$ years	10%	20%

\* Operating cash flow is forecasted using ST-98 commodity prices and proprietary internal estimates of fixed and variable operating expenses. We consider only proved, developed, producing, and non-producing reserves. The information is refreshed quarterly to account for changes in price forecasts, and to improve the confidence in the forecasted decline rates based on the most recent production reporting available through Petrinex.

#### 2.1.2.5 Operations

This factor evaluates a licensee's commitment to safe and responsible operations. Currently, it is measured in terms of regulatory compliance, responsiveness to addressing noncompliances (e.g., noncompliance follow-up rate), and recent incidents (e.g., spills and releases).

**Table 4. Operations: parameters and associated weightings**

Parameters	Description	Weights	
		Producers	Midstream, Waste Management & Pipeline
<i>Directive 013</i> noncompliance rate	Ratio of medium- and high-risk wells with <i>Directive 013</i> noncompliance to medium- and high-risk inactive wells (excludes medium-risk type 6 wells)	25%	0%
Field noncompliance follow-up rate	Ratio of late follow-ups to total follow-ups for field inspections, emergency response plan (ERP) audits, and waste management audits for the previous 36 months. (Follow-ups require completion by a specified deadline)	10%	20%
Field noncompliance rate	Ratio of all unsatisfactory inspections, failed emergency response plan (ERP) audits, and waste management audits to total inspections, ERP audits, and waste management audits in the Field Inspection System (FIS) for the previous 36 months	15%	70%
Pipeline incident rate	Number of pipeline incidents per average number of 10 kilometres of operating pipeline lengths, for the previous 36 months	25%	10%
Release & spill rate	Number of release incidents to average number of active wells and facilities, excluding those with reclamation certificates or that are reclamation exempt, for the previous 36 months	25%	0%

#### 2.1.2.6 Closure

This factor considers recent closure activities, closure spending, and the licensee's inactive liability change. Inactive liability is the estimated liability associated with inactive and abandoned/decommissioned wells and facilities.

**Table 5. Closure: parameters and associated weightings**

Parameters	Description	Weights	
		Producers	Midstream, Waste Management & Pipeline
Closure spending rate	Ratio of licensee-reported eligible closure spending for a given calendar year to the licensee's inactive liability at the time the quota for that year was determined (for example, the licensee's reported closure spending for the 2023 calendar year relative to the licensee's total magnitude of estimated liability as of the date the 2023 quota was calculated in 2022).	20%	20%
Inactive liability trend	Annualized rate of change of inactive liability over the previous 36 months	20%	20%

Parameters	Description	Weights	
		Producers	Midstream, Waste Management & Pipeline
Well abandonment rate (produced)	Ratio of total wells abandoned to average count of inactive wells, for the previous 36 months (wells that produced)	10%	5%
Well abandonment rate (non-produced)	Ratio of total wells abandoned to average count of inactive wells, for the previous 36 months (wells that never produced)	5%	5%
Well reclamation rate (produced)	Ratio of total wells reclaimed to average count of abandoned wells, for the previous 36 months (wells that produced)	10%	5%
Well reclamation rate (non-produced)	Ratio of total wells reclaimed to average count of abandoned wells, for the previous 36 months (wells that never produced)	5%	5%
Facility abandonment rate	Ratio of total facilities abandoned to average count of inactive facilities, for previous 36 months	10%	15%
Facility reclamation rate	Ratio of total facilities reclaimed to average count of abandoned facilities, for the previous 36 months	10%	15%
Pipeline abandonment rate	Ratio of total pipeline segments abandoned to average count of total pipeline segments, for the previous 36 months	10%	10%



## 2.1.2.7 Administration

This factor considers a licensee's compliance with AER fees and levies, as well as the status of any outstanding or overdue amounts owed to the Crown for mineral lease expiries.

**Table 6. Administration: parameters and associated weightings**

Parameters	Description	Weights	
		Producers	Midstream, Waste Management & Pipeline
Orphan fund levy compliance*	Status of invoices: <ul style="list-style-type: none"> <li>Tier 1 (ranking 100%) = licensee has no outstanding balance and no penalty invoices for late payment</li> <li>Tier 2 (ranking 74%) = licensee has 1 late payment invoice in the past 3 years</li> <li>Tier 2 (ranking 50%) = licensee has 2 late payment invoices in the past 3 years or is on a payment plan</li> <li>Tier 2 (ranking 26%) = licensee has 3 late payment invoices in the past 3 years</li> <li>Tier 3 (ranking 0%) = licensee has an outstanding balance</li> <li>Null (ranking Null) = licensee was not issued any invoice(s) for the levy</li> </ul>	33%	50%
Administrative levy compliance*	Status of invoices: <ul style="list-style-type: none"> <li>Tier 1 (ranking 100%) = licensee has no outstanding balance and no penalty invoices for late payment</li> <li>Tier 2 (ranking 74%) = licensee has 1 late payment invoice in the past 3 years</li> <li>Tier 2 (ranking 50%) = licensee has 2 late payment invoices in the past 3 years or is on a payment plan</li> <li>Tier 2 (ranking 26%) = licensee has 3 late payment invoices in the past 3 years</li> <li>Tier 3 (ranking 0%) = licensee has an outstanding balance</li> <li>Null (ranking Null) = licensee was not issued any invoice(s) for the levy</li> </ul>	33%	50%
Mineral lease expiries	Ratio of total mineral lease expiration letters sent by the AER, to average number of inactive wells, for the previous 36 months.	33%	0%

\* Orphan fund levy compliance and administrative levy compliance are based on predefined thresholds rather than peer comparisons.

## 2.2 Licensee Profiles

The holistic licensee assessment is a key element in better understanding a licensee's unique characteristics, circumstances, risks, and capability. Licensees with similar characteristics are grouped into licensee profiles using the LCA intelligence and other relevant factors of the holistic licensee assessment as applicable. The primary information used in all profiles are level of financial distress, magnitude of estimated liability, and remaining lifespan of resources. Based on the circumstances, additional relevant information is used as appropriate. The profiles are currently identified as follows:

- Financially capable – Licensees with low to medium levels of financial distress and Tier 1 and Tier 2 in remaining lifespan of resources
- Financially distressed – Licensees with a high level of financial distress
- Potential sustainability concerns – Licensees with low to medium levels of financial distress and Tier 3 in remaining lifespan of resources

Additional profiles may be identified to reflect licensees' unique characteristics, circumstances, risks, and capability.

## 3 Licensee Management Program

The Licensee Management Program assesses licensees who may be at risk of not meeting their regulatory and liability obligations. The desired outcomes are that licensees will

- proactively conduct timely closure work and reduce liability,
- maintain integrity of infrastructure and site, and
- manage infrastructure to minimize the risk to the public and environment.

The Licensee Management Program uses licensee profiles to prioritize producer licensees. Prioritized licensees will be holistically assessed to identify risks that will need to be mitigated by the licensee (see section 2.2, "Licensee Profiles").

The holistic licensee assessment is a key element in better understanding licensees and uses information as described in section 2. As the AER undertakes further scrutiny of the licensee, the AER may engage the licensee to inform them that they are being assessed and to request supplemental information to support the assessment as required by *Directive 088*.

Once the holistic licensee assessment is completed, the AER will take appropriate regulatory actions to address the identified risks or concerns to support achieving the desired outcomes. The Licensee

Management Program uses the [Integrated Compliance Assurance Framework](#) as a guide, described in [Manual 013: Compliance and Enforcement Program](#). Regulatory actions can include the following:

- education
- limiting licensee eligibility in accordance with *Directive 067*
- requiring closure plans in accordance with section 3.015 of the *OGCR* and 82.2 of the *Pipeline Rules*
- compliance and enforcement tools (see section 6 of *Manual 013*)
- security collection (see *Directive 068*)
- reasonable care and measure (RCAM) orders (see section 26.2 of the *Oil and Gas Conservation Act* [OGCA] and 22.1 of the *Pipeline Act*)

## 4 Inventory Reduction Program

The Inventory Reduction Program consists of two components: closure quotas and closure nomination. Closure quotas will create a minimum obligation for all licensees to abandon, remediate, and reclaim their oil and gas sites by setting minimum required amounts of closure work, money to be spent on closure activities, or both. Licensee-specific mandatory closure spends are derived from the industry-wide closure spend requirement.

Closure nomination enables eligible requesters to request wells and facilities be closed that have been in an inactive or abandoned state for five or more years.

Together, these program components require industry to complete closure activity in order to reduce inactive liabilities.

The Inventory Reduction Program requires licensees to demonstrate progress. The program often uses the term “closure milestone” when setting out expectations and processes. A closure milestone is the completion of an activity that progresses infrastructure or a site to abandonment or reclamation certified status, and results in a change to a licensee’s status. There are also lesser stages throughout the abandonment, remediation, and reclamation process where licensees report progress on closure activity and closure spending.

Licensees can refer to the following sources to view the life-cycle status of their assets:

- A list of inactive wells is available through the Inactive Well Licence List report available on the [Directive 013: Suspension Requirements for Wells](#) webpage.
- Data and reports related to well integrity issues can be found on the [Directive 059: Well Drilling and Completion Data Filing Requirements](#) webpage.
- A list of all inactive facilities is available in [OneStop](#).

## 4.1 Closure Quotas

Liability associated with inactive and abandoned wells and facilities is used to determine the mandatory closure spend annually for each licensee. Licensees can view which infrastructure is included within OneStop. At this time, waste management approvals are not included.

The industry-wide closure spend requirement is based on inactive liability and historical closure performance and considers factors such as commodity prices and service sector availability. The industry-wide closure spend requirement is available on the AER's website and updated annually.

The determination of mandatory closure spend is based on the licensee's inactive liability (assessed the September prior) and the licensee's level of financial distress (see section 2.1.1). A licensee's mandatory closure spend is their total inactive liability multiplied by their spend rate.

Licensees with a high level of financial distress will receive a lower spend rate while those with a medium or low level of financial distress will receive a higher spend rate. Licensees that have not met the *Directive 067* financial submission requirements will receive a higher spend rate. Mandatory closure spends will not be adjusted after receiving late financial submissions. Additional information on the Inventory Reduction Program, including the industry-wide closure spend requirement and spend rates for licensees, can be found on the program's webpage, [www.aer.ca](http://www.aer.ca) > Regulating Development > Project Closure > Liability Management Programs and Processes > [Inventory Reduction Program](#).

The spend rates are reviewed annually and are available on the AER website.

Any questions related to closure quotas should be sent to [InventoryReduction@aer.ca](mailto:InventoryReduction@aer.ca).

### 4.1.1 Mandatory Closure Spend

Licensees will be provided with their mandatory closure spend annually in OneStop.

Licensees with a mandatory closure spend equal to or less than \$50 000 have the option to pay security in lieu of meeting the mandatory closure spend. If a licensee is eligible to pay security in lieu and the AER holds oil and gas security greater than their total oil and gas liability, the AER will not request additional security. However, licensees are encouraged to conduct closure work to reduce their total liability. For more details related to security, see section 6 of this manual and refer to *Directive 068: Security Deposits* and *Directive 088*.

After the AER receives notification of an amalgamation of licensees under *Directive 067*, the successor licensee will receive a letter detailing their new mandatory closure spend and be able to view their updated mandatory closure spend in OneStop. Additionally, the successor licensee will be able to view within OneStop a list of all assets that are contributing to each year's mandatory closure spend.

For more detailed information on what costs count towards the closure quotas, refer to appendix 2. For reporting requirements refer to section 4.4.

#### 4.1.2 Area-Based Closure Approach

The AER encourages collaboration among companies completing closure work in similar areas. Participants can complete more closure work for the same closure budget by leveraging opportunities to collaborate with other companies. The ABC approach and mapping tool are provided to support this. The ABC mapping tool in OneStop can be used by all licensees as well as oilfield service companies. Companies can use OneStop to

- identify the areas and specific closure activities they are planning to execute the closure programs in and estimated project start timelines and
- provide companies a map of current and future closure programs, potentially allowing both the ability to share contractors' services and reducing overall unit cost.

Licensees and oilfield service companies can submit and view *proposed* and *confirmed* ABC projects in OneStop.

- **Proposed ABC projects** – These projects are submitted by licensees and identify areas where the licensee is considering closure. These projects are earlier in the planning stage and may not have budget allocated and may be delayed or cancelled. Licensees may submit project proposals up to a maximum of five years out. This function provides a great opportunity for industry to collaborate more effectively during the planning stages of a project before finalizing resources and budgets.
- **Confirmed ABC projects** – These projects are submitted by licensees and identify areas where work is intended to start within the current or upcoming year. Proposed and confirmed ABC projects are submitted in OneStop under the Close tab. There are no additional regulatory requirements for using the ABC mapping tool, and licensees and service providers are encouraged to use the system for collaborating on closure projects.

Guidance on how to submit projects and use the ABC mapping tool can be found on the Inventory Reduction page at [www.aer.ca](http://www.aer.ca).

#### 4.1.3 Eligible Closure Spending

As defined within sections 1(1)(b), 1(1)(vv), and 1(1)(vv.12) of the *Oil and Gas Conservation Act* and section 1(1)(b), 1(1)(w), and 1(1)(x.3) of the *Pipeline Act*, closure spending is considered the reasonable costs actually incurred in the abandonment, remediation, and reclamation of a well, facility, or pipeline.

For the purposes of the Inventory Reduction Program, only costs incurred on the following count towards one's mandatory closure spend:

- closure of inactive and abandoned sites
- closure activity on a well or facility that has been shut-in within the program year, is progressing towards abandonment, and no production has been reported since the program year ended
- abandonment and remediation of pipeline and pipeline installations that results in an abandoned status

A company may only submit closure spending for licences in which they are the licensee of record, and it should submit all eligible closure spending incurred.

The following are some examples of expenditures that do not count towards a licensee's mandatory closure spend:

- goods and services tax (GST)
- well and facility suspension
- pipeline discontinuation as well as their associated installations
- abandonment, remediation, or reclamation on active sites with ongoing reported production
- surface casing vent flow test that is not directly related to well abandonment

The AER will assess reported closure spending to determine whether a company is compliant in meeting their mandatory closure spend, as well as using this information as the basis for future updates to the estimated magnitude of liability.

## 4.2 Closure Nomination

As described in the *OGCR*, an eligible requester can request closure of a well or facility that has remained in an inactive or abandoned state for five or more years. For more information regarding the definition of inactive wells and facilities, refer to section 6. The number of years a well or facility has been inactive is calculated from the AER's current data for the well or facility licence.

### 4.2.1 Closure Requests by Eligible Requesters

Eligible requesters are recognized representatives that can be verified with documentation:

- title holders for private lands
- a member of the council of a band as defined in the *Indian Act* for reserve lands
- Métis settlement council members or chairperson for Métis settlements
- the mayor or councillor of a municipality for municipal owned land

- the holder of an overlapping disposition that has been issued under Part 3 of the *Public Lands, Administration Regulation*
- the minister of Energy or minister of Environment and Protected Areas

A request for closure can be made using the Closure Nomination Form on aer.ca. If an eligible requester does not have internet access or requires assistance in completing the form, they can contact their nearest AER field centre or contact the AER Customer Contact Centre at 1-855-297-8311. The same information is required regardless of how the closure nomination is submitted.

The closure request process is not to be used if there are environmental or safety issues at the site. In such cases, requesters should immediately call the AER's Energy and Environmental Emergency 24-Hour Response Line at 1-800-222-6514.

The AER will verify the eligibility of the well or facility and requesters based on data available to the AER. When a well or facility is nominated, the AER identifies the date on which the well or facility became inactive. This date determines if it meets the five-year eligibility criteria. Inactivity is calculated per the requirements in *Directive 013* for wells and *Directive 088* for facilities. The five-year eligibility criteria applies to all wells and facilities that are not reclaimed and is not adjusted or reset if a licence status changes. The licensee will receive the details of the nomination and will have an opportunity to provide additional information. The criteria considered during AER verification includes the following:

- infrastructure type is a well or facility
- licence has been in an inactive or abandoned state for five or more years
- spatial location of the well or facility is on private lands, Crown lands, or reserve lands as appropriate for the requester type
- no active reclamation certificate application exists, and the site does not have a reclamation certified status
- site status is not reclamation exempt
- requester has certified accuracy of the request

Supporting documentation (e.g., land title, resolution of a band) may be requested from the requester to confirm that the requester is eligible.

A verified request for closure will be posted to the publicly available closure nomination dashboard at aer.ca where a requester can see its assigned nomination number, the status of the closure nomination, closure plan details, and progress of closure activity. The nomination dashboard is updated daily.

Requesters will be notified of verification results by email to the addresses provided in the request. If the well or facility does not meet eligibility criteria, the AER will provide the reason why the request for closure is not eligible.



Only the eligible requester that made a request for closure can withdraw the request. To withdraw a request, the requester can email [Closure.Nomination@aer.ca](mailto:Closure.Nomination@aer.ca) and include the nomination number from the nomination dashboard. The requester should also notify the licensee when withdrawing a request. The AER will confirm the withdrawal before updating the status of the closure nomination on the nomination dashboard.

#### 4.2.2 Licensee Notification & Confirmation of Records

Licensees can provide a specific contact for correspondence on the closure nomination program using the Licensee Response to Closure Nomination Form in OneStop. It is the licensee's responsibility to keep this contact information up to date. Licensees will be notified by email on the first business day of each month of any new requests for closure that have been received and verified by the AER for the previous month.

If a licensee has evidence that a well or facility nominated for closure does not meet the eligibility criteria described in section 3.016 of the *OGCR*, the licensee has 30 days from notification to use the Licensee Response to Closure Nomination Form to provide additional information. The licensee will need to provide the nomination number for each licence found on its closure nomination page in OneStop.

The AER will accept the following as evidence relevant to the eligibility of a requester:

- record of title for a landowner
- band council resolution or letter from chief and council for reserve lands
- letter from Métis settlement leader for Métis lands
- letter from mayor and council for a municipality
- disposition number and name for a disposition holder

The AER will accept the following as evidence relevant to the eligibility of a well or facility:

- facility records
- production records
- any other information the AER considers relevant in the circumstances

The AER will consider the licensee response and verify eligibility. This may require further correspondence with the licensee, requester, or other parties. The status of the nomination will be updated on the nomination dashboard and in OneStop. The response timelines outlined in section 4.2 of *Directive 088* must still be met even if additional information that a licensee provides regarding the eligibility of a well or facility or a requester is being reviewed. If the AER determines that the requester or the well or facility is not eligible for nomination, the nomination will be closed and the requester will be notified.

### 4.2.3 Closure Plans

When an eligible well or facility has been nominated by an eligible requester, and the AER has notified the licensee, the licensee is required to prepare a closure plan. A closure plan needs to be specific to the licence associated with the closure nomination. A closure plan is an operational submission, not an application, and therefore does not require public notice; however, the closure plan status will be updated on the closure nomination dashboard and in OneStop.

A licensee must select one of three options when completing the Licensee Response to Closure Nomination Form in OneStop:

- baseline closure plan
- non-baseline closure plan
- proposal to defer the closure plan

If the licensee selects the non-baseline closure plan or proposal to defer, supporting documents need to reference the closure nomination number and be emailed to [Closure.Nomination@aer.ca](mailto:Closure.Nomination@aer.ca). The baseline closure plan will be the default approved closure plan that a licensee is required to meet unless the AER approves an alternative.

If new information or a change in well or facility circumstance results in a need to modify the closure activity timelines, a licensee can request a change to the approved closure plan using the Licensee Response to Closure Nomination Form in OneStop. The licensee must include the new information that led to the change and adequate information to demonstrate the new circumstance and how it impacts the licensee's ability to meet the approved closure plan.

If a closure nomination well or facility is part of a transfer application, the selected closure plan option and approved closure plan, including timelines, will transfer with the well or facility. It is the responsibility of the transferee to be aware of closure-nominated wells and facilities that they may become responsible for. The closure nomination dashboard can be used to obtain information on any closure-nominated well or facility.

#### 4.2.3.1 Baseline Closure Plans

Baseline closure plans must meet the maximum timeframes allowed to complete each closure activity described in *Directive 088*. Failure to complete the closure activities within the specified timeframes will result in enforcement action. It is expected that most licensees will be able to meet the timelines of a baseline closure plan.

The baseline closure plan is the default plan that a licensee must meet unless the AER approves an alternative.

If the site associated with a nominated well or facility has not had a Phase 1 environmental site assessment or if remediation is not required, the licensee has a total of 10 years to complete the closure activities when the baseline closure plan is selected. If a Phase 1 environmental site assessment has identified the need for remediation, one additional year for the Phase 2 environmental site assessment and two additional years for remediation are provided with the selection of a baseline closure plan, giving the licensee a total of 13 years to complete the closure activities. If a closure activity is completed sooner than required, the licensee can use the remaining time for that activity for the remaining required closure activities.

Upon becoming aware of a substance release that has, is, or may cause adverse effects, the *Remediation Regulation* requires the licensee to submit reports and, if necessary, a remedial action plan. *Manual 021: Contamination Management* provides information on the *Remediation Regulation* and how licensees are to demonstrate compliance with the requirements. Discovery of contamination while executing a baseline closure plan may require additional time for remediation. In the scenario where a remedial action plan is submitted, the licensee may also be required to resubmit the Licensee Response to Closure Nomination Form and supporting information to make a case for a non-baseline closure plan.

Once each closure activity is complete, the licensee is required to report the completion of the closure activities. Section 4.4 provides more information on reporting.

#### 4.2.3.2 Non-Baseline Closure Plans

Non-baseline closure plans are intended for situations where the complexities or challenges of completing closure activities are likely to prevent a licensee from meeting baseline timelines. A non-baseline closure plan must be submitted when a licensee selects the non-baseline closure plan option using the Licensee Response to Closure Nomination Form. Some examples of scenarios that justify the selection of a non-baseline closure plan may include gas migration repairs, complex contamination management, large facility abandonment, and remote locations.

A non-baseline closure plan needs to describe the specific circumstances associated with the well or facility and define timelines for completion of closure activities. In some circumstances where timelines are difficult to set, such as complex remediation, the AER may allow annual licence-specific closure spending with appropriate evidence to show progress to bring wells and facilities to full closure as a substitute for the maximum number of years allowed to complete each closure activity.

If selecting the non-baseline closure plan option, additional information justifying the selection must be provided in the Licensee Response to Closure Nomination Form and attachments provided by email to

[Closure.Nomination@aer.ca](mailto:Closure.Nomination@aer.ca). All email submissions need to reference the closure nomination number. Additional information may include the following:

- description of complexity or location challenges
- description of other infrastructure on site affecting closure activity
- risk management plan number (Record of Site Condition submission ID in OneStop)
- remedial action plan number (Record of Site Condition submission ID in OneStop)
- latest report on surface casing vent flow
- reference to related order (e.g., order number)

Selection of the non-baseline option and the associated closure plan will be reviewed and must be approved by the AER. Approved closure activities and their associated timelines will be posted to the closure nomination dashboard and in OneStop, and closure progress will be verified through reporting done by the licensee.

Non-baseline closure plans may be approved with terms and conditions. Non-baseline closure plans may also require additional reporting, including site-specific closure spending, to demonstrate closure progress for the well or facility.

The following factors will be considered by the AER when assessing non-baseline closure plans:

- the nature and complexity of issues associated with the well or facility
- the proposed closure activity and associated timeframes
- the results of the holistic licensee assessment
- existing closure activity related orders for licensee, well, or facility
- number of wells and facilities nominated for closure
- any other factor identified by the AER (e.g., site-specific liability assessment)

The AER may deny the selection of the non-baseline option or refuse to approve the associated closure plan.

#### 4.2.3.3 Proposal to Defer the Closure Plan

There may be some cases where it is appropriate to defer the submission of a closure plan. A licensee can select the option of proposal to defer the closure plan through the Licensee Response to Closure Nomination Form in OneStop.

Some examples of cases where a proposal to defer may be appropriate include where the nominated well or facility is attached to an active site (e.g., a well is on a site that is actively used for another activity) or

the well or facility is being transitioned to another purpose such as development of another resource (e.g., geothermal development, monitoring site, etc.).

If selecting the proposal to defer option, the additional information justifying the selection is to be provided through the Licensee Response to Closure Nomination Form and attachments provided by email to [Closure.Nomination@aer.ca](mailto:Closure.Nomination@aer.ca). All email submissions must reference the closure nomination number. Additional information may include the following:

- repurpose or reactivation plans or application number for a well or facility transitioning to other purposes and measurable actions
- notice of disclosure or an application number associated with the transition for a licence that is in transit or affected by another decision in progress
- description of activities and licence numbers of other licences preventing closure of the nominated well or facility if it is associated with other active infrastructure
- date and description of exemption
- reclamation certificate or letter of closure number and date if one exists for the licence

Each proposal to defer the closure plan will be reviewed by the AER and may be approved with terms and conditions. The following factors may be considered by the AER when assessing a proposal to defer:

- the results of the holistic licensee assessment
- current licence status (e.g., abandoned) and condition of site
- age of the well or facility and proposed alternate activity
- existing closure activity related orders for licensee or site
- any other factor identified by the AER

The AER may deny the selection of the proposal to defer the closure plan.

There may be cases where a closure nomination has been verified but the AER determines that no closure plan is required. These cases will be identified on the closure nomination dashboard and in OneStop, and the status will reflect next steps. Examples include the following:

- the licence is designated as orphaned and under the purview of the Orphan Well Association
- the licensee is insolvent and there is a known working interest participant that has received a closure order, which supersedes the closure nomination process
- the licensee is undergoing licensee management intervention that includes closure plan requirements, which supersede the closure nomination process

#### 4.2.3.4 Closure Plans for First Nation Reserve Land

Wells and facilities on First Nation reserve land are typically regulated by multiple regulators (e.g., Indian Oil and Gas Canada). In these cases, the AER only enforces the abandonment timelines (the first closure activity). The other activities may be governed by other agencies. However, all AER reporting requirements still apply, including reporting on the completion of each closure activity, even those governed by other agencies.

### 4.3 Reporting Inventory Reduction

The licensee is to report all closure activities, completion of each closure activity, and closure spending for the previous calendar year by March 31 of every year, unless otherwise specified by AER requirements or as directed by the AER. The AER monitors reporting progress and strongly recommends that licensees begin their reporting as soon as possible to ensure they can resolve any discrepancies or other issues they encounter while still meeting the deadline.

All closure activity and closure spending must be reported through OneStop. OneStop is also the interface to view licensee's mandatory closure spend, completion dates associated with approved closure plans, and closure activity related to the Inventory Reduction Program. Closure spending and closure activity reporting is separated both by category (abandonment, environmental site assessments, remediation and reclamation) and by infrastructure type (well, facility, and pipeline and their associated installations).

Activities related to closure nomination and approved closure plans should be reported as described in table 7.

**Table 7. Closure activity reporting for closure nomination**

Closure activity	Reporting method
Well or facility abandonment completion	Report in OneStop.
Phase 1 environmental site assessment complete	Submit closure spending in the category "Phase 1 Complete" in OneStop (via Phase 1 ESA module in OneStop).
Phase 2 environmental site assessment complete (initial Phase 2; required if Phase 1 fails)	Submit Phase 2 ESA report via Record of Site Condition (RoSC) module in OneStop.
Remediation complete or remedial action plan complete	Submit reports detailing results of remediation program and, if necessary, a remedial action plan via RoSC module in OneStop.
Revegetation Initiated	Submission of the date when revegetation was initiated via OneStop, under Close/Reclamation.
Reclamation certificate application	Application submitted for a reclamation certificate for the site in OneStop or a submission to obtain a Letter of Closure.

Closure activity and spending can only be submitted by the licensee of record. As per *Directive 088*, section 5, requirement 11, once a licence transfer has been completed, the previous licensee will not be able to submit and receive credit towards their closure spending for the transferred licences.

Licensees are expected to report all closure spending within a calendar year into OneStop regardless of the source of funding. Closure spending can be reported on the individual well and facility licences in OneStop under Close/Spending. Licensees can also submit closure spending on multiple well, facility, and pipeline licences at one time using the bulk upload function (section 4.4.1). Licensees may elect to report their closure spending either on an ongoing basis as they are incurred or when a closure milestone is achieved. Where larger closure projects incur costs associated with multiple licences, the cost may be divided proportionally among the applicable licences and appropriate activities. For example, costs to build a winter access road directly related to executing eligible closure activities on multiple sites should be divided among those sites.

The Government of Alberta's site rehabilitation program (SRP) provided funding for closure work. The application period is now closed, and licensees are to complete work and submit invoices as directed by Alberta Energy. The AER will deduct the total amount of the SRP funding from a licensee's total closure spending reported. Alberta Energy will be providing the SRP funding information to the AER. The licensee-funded portion of the closure work counts towards a licensee's mandatory closure spend.

Licensees are able to access summary reports related to the Inventory Reduction Program within the "Reports – ABC" or Closure Nomination section of OneStop.

The public can access a summary of the progression of closure activity, including upcoming timelines for required closure activity, from the closure nomination dashboard.

Appendix 2 provides the different types of costs that can be counted towards meeting a licensee's mandatory closure spend. Closure spending reporting details are based on the current reporting structure in OneStop and may be subject to change.

All costs can be updated numerous times within a calendar year. The most recent submission overwrites any past submissions. Costs associated with closure activity should be reported within the same calendar year they are completed. Any costs reported past the program reporting deadline will not be considered.

If access costs are required to complete closure (e.g., ice road construction to access inactive sites), these costs should be entered under the closure activity occurring at the site. For example, if an ice road is constructed to access a well for the purposes of total abandonment, then the costs for ice road construction should be added to the abandonment costs and submitted together under the "Total Abandonment Completed" spending type. Furthermore, costs for ice roads constructed in December for January/February/March abandonment work should be reported in the January/February/March



abandonment year (i.e., when the work was finished). If ice roads were constructed to multiple sites, the cost should be divided between all sites.

When reporting costs related to well abandonments or re-abandonments, licensees can either report the total, aggregated cost (the work is complete) or report cost breakdowns by stages (work only partially completed). Partial reporting is necessary if licensees wish to count the closure spending towards the current year's mandatory closure spend, but the milestone will not be completed until the following year. It should be noted, though, that licensees cannot change the reporting type between partial and total reporting once submitted. If a licensee did a partial report the previous year, they cannot report an aggregate total the next year; reporting should continue using the applicable stages.

If a licensee submitted a total cost, they cannot go back and update that number the following year.

#### 4.3.1 Bulk Uploads

All licensees can submit their closure spending data using the bulk uploads feature in OneStop. The bulk upload functionality and associated required template can be found in OneStop (Bulk Uploads > Upload Category: Closure Spending). At this time, the bulk upload functionality is the only method to submit pipeline closure spending.

When using bulk uploads, there are a number of things to consider:

- The bulk upload templates are in XLSX format, making it easier to fill them out. However, when uploading, OneStop only accepts these files in a CSV format.
- Licensees are encouraged to refer to the Reference Guide tab in the bulk upload templates for further guidance.
- The conversion to CSV should happen at the very end. Editing the CSV file after it has been created leads to "Errored" statuses or submissions that are not completed.
- Each row within a bulk upload is a unique submission. The OneStop system validates the bulk upload file one row at a time. If all the rows in the file pass the system validation and no errors are found, the upload status is "Complete." Should any row have an associated error, the status will show as "Errored" and a downloadable error file is generated indicating which rows were not accepted. The remaining rows without associated errors will be successfully uploaded.
- The AER recommends that a maximum of 400 entries are included in a single bulk upload file. Bulk upload files containing more than 400 entries are prone to timing out and the submissions are not completed.

## 4.4 Compliance

Licensees that do not meet their mandatory closure spend, including meeting the reporting deadline, are noncompliant. Licensees that do not select or provide closure plans and supporting information for nominated wells or facilities and do not meet the associated timelines and reporting requirements are noncompliant. The AER encourages early reporting to ensure adequate time is allowed to account for any potential reporting issues. To ensure that regulatory requirements are being met, the AER undertakes performance evaluations and will assess those licensees holistically to determine appropriate compliance assurance activities.

The AER's compliance and enforcement activities are guided by the *Integrated Compliance Assurance Framework* and *Manual 013*. More details can be found on our website, [www.aer.ca](http://www.aer.ca) > Regulating Development > Compliance > [Compliance Assurance Program](#). Responses to noncompliances related to the Inventory Reduction Program may include the following:

- Security requirements as per *Directive 068*.
- Licensees who fail to meet their closure nomination requirements may be subject to
  - AER-directed timing and priority of closure activities,
  - Increased reporting on closure progress, or
  - Other activities or reporting that the AER considers necessary.

Based on the activities that are occurring at a site and a review of site status on the closure nomination dashboard, if an eligible requester thinks that a licensee is likely to fail to meet its approved closure plan, they can notify the AER by reporting complaints to the AER's Energy and Environmental Emergency 24-Hour Response Line at 1-800-222-6514.

## 5 Transfers

### 5.1 Applications

There are two types of licence transfer applications that can be submitted to the AER:

- Applications to transfer licences between licensees are submitted by both parties through the designated information submission system.
- Applications to transfer licences that are part of a company that is under the care of the Orphan Well Association or where the current licensee is not able to initiate a transfer application may be facilitated by the AER in a process referred to as a regulator-directed transfer (RDT). Contact [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) to initiate an RDT application.

Licences statuses that are eligible to be included in a licence transfer application are provided in *Directive 088*. Previously, reclamation-certified and reclamation-exempt licences could not be part of a

transfer application. This has now changed, and the AER may apply discretion to require licensees to include the transfer of reclamation certified and reclamation exempt licences that are part of an insolvency proceeding, corporate clean out, or white map sales transaction, for example. The AER encourages licensees to contact the AER to discuss their specific circumstances with respect to reclamation certified and reclamation exempt licences.

Once registered in the designated information submission system, a licence transfer application is posted on the [Public Notice of Application](#) tool. A decision on the application will not be issued until the period for filing a statement of concern, as specified in the public notice of application, has lapsed.

## 5.2 Holistic Licensee Assessment for Transfer Applications

A holistic licensee assessment will be performed on the licensees involved in a transfer application, as described in *Directive 088*.

The AER encourages licensees to consider their situation as a result of the holistic licensee assessment both pre- and post-transfer application of the transferor and transferee so they understand how the application will be assessed. When required to understand the unique circumstances of their situation, the AER will contact the transferor and transferee if clarification is required as a result of the holistic licensee assessment.

The following factors may trigger further scrutiny of the licensees and application:

- *Directive 067*, section 4.5, “Unreasonable Risk Factors”
- Key LCA factors (see section 2.1 for further description)
  - Financial health – medium or high assessed level of financial distress
  - Magnitude of estimated liability – medium or high estimated total magnitude of liability pre- or post-transfer
  - Remaining lifespan of resources – Tier 2 or 3 assessment pre- or post-transfer
- Licensee is new to holding eligibility as per *Directive 067* and there is no financial or operational history to support the holistic assessment of the licensee
- Other factors as determined by the AER where further scrutiny of the licensee’s post-transfer holistic assessment identifies a significant risk, including, for example, the following:
  - Compliance performance of each licensee
  - Site-specific risks
  - Administrative sanctions, as described in section 6.5 of *Manual 013*
  - Statements of concern submitted on a transfer application
  - Multiple transfer applications or multiple parties involved in the transfer

- Repeated transfer of licences
- Repeated transfer applications between the same or related parties
- Compliance under the Public Lands Administration Regulations
- New licensees or licensees with limited history/data
- New applications or resubmission related to previous transfer decisions
- Submission of a new application related to previous application
- Reclamation certified and reclamation exempt licences
- Transfer with the intent to repurpose wells or sites for alternative use (e.g., helium, lithium, geothermal, etc.)
- Transfer of a licence where site conditions have indicated that estimated liability is significantly higher than the regional estimated liability
- Overall scope and scale of transaction (e.g., a large change in inventory)

After reviewing the above factors, the AER will decide whether the application is approved, approved with conditions, or denied. Conditions of approval may include a security deposit.

### 5.3 Supplemental Information Requests

Applicants may be prompted to provide additional information in support of the transfer application review and decision as described in *Directive 088*. These requests may include information like the following:

- Transferor and transferee corporate history
  - Director and officer information
  - Field and administrative compliance
- Inventory management plans that include current AER licences and licences included in the transfer transaction
- Operational plans and strategies for the asset and synergies with existing assets
- Updated site-specific liability assessment
- Progress on contaminated site with locations and details
- Financial statements under *Directive 067*
- Reserves and net present value analysis for licensee's existing assets plus the assets within the transfer application; the AER may also request supporting information such as
  - reserves report (third-party report to be provided when available)

- lease operating statements
- Additional financial information which may include items such as transaction purchase price and source of financing.

Failure to provide supplemental information as requested may cause the application to be considered incomplete and closed as a result.

#### 5.4 Transfers of Oilfield Waste Management Facilities and Oilfield Waste Management Components associated with a Well or a Facility Licence

To align with the new *Liability Management Framework*, transfers of oilfield waste management facilities (OWMFs) will now be assessed as part of a licence transfer application and undergo a holistic licensee assessment, as described in *Directive 088*. However, the designated information submission system used for licence transfer applications is not currently tailored for OWMF approval transfers. Until changes can be made, applicants are to follow the below instructions.

If an OWMF is to be transferred along with other licences, follow the process described in section 5 of *Directive 088*, specifically requirement 21(a). Should the transfer application get approved, the associated OWMF approval will be updated.

To transfer an OWMF approval alone (i.e., no well, facility, or pipeline licences are being transferred), follow the process described in section 5 of *Directive 088*, specifically requirement 21(b). When submitting the transfer, applicants are to include the following:

- the standalone Transfer Application Declaration from appendix 1 of *Directive 088*, available in the forms section of the website (the attachment of the transfer declaration will be taken as consent to the declaration)
- a site-specific liability assessment (SSLA) in accordance with *Directive 001* and *Directive 011*
- a list of waste management facilities requested for transfer

If the transfer is approved, the respective approvals will be amended following standard AER processes.

If there is an oilfield waste management component (as defined in *Directive 058: Oilfield Waste Management Requirements for the Upstream Petroleum Industry*) associated with a licence transfer application, applicants need to email [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) upon submission of the application and identify which specific facility or well licences have oilfield waste management components associated with them.

## 5.5 Application Decision

Application decision timelines are provided on the [AER Estimated Application Processing Timelines](#) document found on the AER's website. Applicants can use the integrated application registry (IAR) query tool to check on the status of applications registered with the AER, including licence transfers (see table 8).

**Table 8. IAR codes for transfer application status**

IAR Status Code	Definition
Lic_Trans_Deficient	Application flagged for additional review
Awtg_Business_Apprvl	Application review completed, pending AER system approval
Disposition_Issued	Application approved and disposition of approval letter has been sent by AER's system
Application_Denied	Application has been closed/denied
Closed_Withdrawn	Application processed as withdrawn in AER's system

A licence transfer application may be closed as incomplete, approved, approved with conditions, or denied. For applications approved with conditions, conditions may include the following:

- Submission of financial statements at specified intervals
- Commitment to reactivate wells within specified timeframe
- Commitment to improve compliance performance
- Security deposits
- Additional oversight and reporting
- Other specific application conditions as determined appropriate by the AER

## 6 Security

As the AER works to implement the new liability management framework in phases, the security collection approach will also be updated in phases. The initial phase in 2021 resulted in improvements within *Directive 088*, applying the holistic licensee assessment to the Licensee Management Program, Inventory Reduction Program, and transfer applications. Transitional details around this next phase are outlined in *Directive 068*. The AER will continue to rely on the authorities in *Directive 068* and the *OGCR* to require security when required to offset the estimated costs of carrying out activities necessary to ensure the protection of the public and the environment and to address regulatory and liability obligations, including closure.

## 6.1 Security Determination and Calculation

Under Part 1.1 of the *OGCR*, the AER has broad authority to require security deposits across the energy development life cycle to offset the estimated costs of carrying out activities necessary to ensure the protection of the public and the environment.

When it is determined that security is required, the amount may be any combination of the following:

- value of liability under *Directive 011*
  - marginal wells (defined in *Directive 011*)
  - inactive wells (defined in *Directive 013*)
  - inactive facilities (defined in *Directive 011*)
- value of *Directive 001* site-specific liability
- future cash flows based on the reserves and economic analysis
- any other amount that AER considers appropriate in the circumstance

### 6.1.1 Inventory Reduction Program

When determining security under the Inventory Reduction Program, the following factors are the most important:

- rate of closure activities
- licensee compliance with mandatory closure spends

Beyond the security calculation items listed in section 6.1, the AER will consider the outstanding amount of closure spending required to meet a licensee's mandatory closure spend.

### 6.1.2 Transfer Security

A transfer application will trigger a holistic assessment of the transferor and transferee, considering their current and post-transfer situations. This includes the licences transferred as well as those remaining with the licensee. Section 5.2 indicates when further scrutiny of the application is required, which may result in security as a condition of approval. Security deposits may be requested from either or both transferor and transferee.

When determining the amount of security to collect, the AER considers a licensee's level of financial distress according to the most recent annual financial submission required under *Directive 067* (refer to section 2.1.1.1) and the crossover timeline post-transfer (refer to section 2.1.2.4). The result is a range of security, determined as a percentage of the licensee's inactive and marginal liability from licences within the transfer application.



Licensees can view this information through the OneStop Liability Assessment Report. A licensee purchasing assets (transferee) will need to obtain this information from the licensee selling assets (transferor) in order to understand the potential security requirement based on inactive and marginal liability within the application.

When submitting a transfer application, licensees may submit a reserves report prepared within the last 12 months by a qualified petroleum engineer in accordance with reserves definitions, standards, and procedures contained in the *Canadian Oil and Gas Evaluation Handbook*. The AER will consider the information within the reserves report when determining the post-transfer crossover timeline. The reserves report may include the licences currently held by the licensee and the licences included within the transfer applications and should be submitted to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca).

Table 9 and table 10 are provided to give transferors and transferees a sense of what security may be required, but the AER retains its discretion to determine the appropriate amount considering the specific risks and circumstances of the application. Table 9 is for “producer” licensees only, and table 10 is for “midstream, pipelines, and waste management” licensees (defined above in section 2.1.2.1).

**Table 9. Range of security that may be required at time of transfer based on level of financial distress and crossover timeline for “producer” licensees**

Crossover timeline	Level of financial distress		
	Low	Medium	High
<b>Very Far ≥15 years</b>		0–9%	20–35%
<b>Far ≥7 and &lt;15 years</b>	0–9%	20–35%	51–63%
<b>Medium ≥3 and &lt;7 years</b>	20–35%	51–63%	71–79%
<b>Near &lt;3 years</b>	51–63%	71–79%	97–100%

**Table 10. Range of security that may be required at time of transfer based on level of financial distress for “midstream, pipelines, and waste management” licensees**

Peer Groups	Level of financial distress		
	Low	Medium	High
<b>Midstream, Pipelines, and Waste Management</b>	0–9%	20–35%	51–63%

New data will be integrated into this security model as we continue with the implementation of *Directive 088*. As a result, the ranges may change in the future based on the new data and industry performance.

### 6.1.3 Refund of Security Deposits

Section 6 of *Directive 068* outlines the requirements for the refund of security deposits, including that a licensee must be compliant with all AER requirements to be eligible. Specifically, when a refund request is made for security collected under *Directive 088*, a holistic assessment of the licensee requesting the security refund will be triggered.

When determining whether a licensee is eligible for a full or partial refund, the AER considers a licensee's level of financial distress according to the average financial risk score from the last three consecutive annual financial submissions and the crossover timeline. If only one to two consecutive years of financial submissions are available for a licensee (i.e., a new licensee), the AER will average the risk score for the available annual submissions.

Depending on the crossover timeline and level of financial distress, we will determine what percentage of the licensee's entire inactive and marginal estimated liability must be retained by the AER. Table 11 and table 12 are provided to give licensees a sense of the thresholds, but the AER retains its discretion to determine the appropriate security refund amount considering the specific risks and circumstances of the licensee. Table 11 is for "producer" licensees only, and table 12 is for "midstream, pipelines, and waste management" licensees (defined above in section 2.1.2.1).

**Table 11. Range of security (expressed as a percentage of inactive and marginal liability) that may be retained based on level of financial distress and crossover timeline for Producer licensees**

Crossover timeline	Level of financial distress		
	Low	Medium	High
<b>Very Far <math>\geq 15</math> years</b>		0-12%	24-43%
<b>Far <math>\geq 7</math> and <math>&lt; 15</math> years</b>	0-12%	24-43%	51-64%
<b>Medium <math>\geq 3</math> and <math>&lt; 7</math> years</b>	24-43%	51-64%	71-80%
<b>Near <math>&lt; 3</math> years</b>	51-64%	71-80%	97-100%

**Table 12. Range of security that may be required at time of transfer based on level of financial distress for Midstream, Pipelines, and Waste Management licensees**

Peer Groups	Level of financial distress		
	Low	Medium	High
<b>Midstream, Pipelines, and Waste Management</b>	0-12%	24-43%	51-64%

If the refund would result in the AER holding less security than the determined percentage, then no security may be refunded.

If the refund would result in the AER holding more security than the determined percentage then, based on specific risks and circumstances, all or part of the refund may be granted.

This approach may change as new data becomes available and as we continue to implement the new liability management framework and develop our security framework.

## 7 Ceased Operations

Regardless of the reason for ceasing operations, licensees remain responsible for ensuring compliance with all AER requirements. These regulatory requirements include the following:

- providing continued reasonable care and measures of all AER-licensed properties in alignment with section 26.2 of the *OGCA*, and section 22.1 of the *Pipeline Act*
- ensuring that an emergency number remains posted and active for all AER-licensed properties and initiating an immediate response when called, in accordance with section 2 of *Directive 071*
- maintaining reasonable and appropriate insurance for all AER-licensed properties in accordance with section 4.2 of *Directive 067* and notifying the AER immediately of any reduction or cancellation of insurance in accordance with section 5 of *Directive 067*
- ensuring all AER-licensed properties are rendered in a safe state acceptable to the AER by the time the company will cease operations by properly suspending the licences in accordance with *Directive 013*, including ensuring that all wells and facilities are shut in, sealed, locked, and chained and depressurizing, removing, and properly disposing of fluids from any equipment and containment devices
- maintaining an official email address that is frequently monitored for regular communications with the AER on regulatory matters, and updating the AER's records for corporate and emergency contact information in accordance with section 5 of *Directive 067*
- notifying the AER immediately if they are ceasing operations or if they initiate or are subject to liquidation, dissolution, or insolvency proceedings as per section 5 of *Directive 067*
- maintaining registration in, and responding to inquiries from, Utility Safety Partners, in accordance with section 44 of the *Pipeline Rules*
- maintaining records of AER-licensed properties in accordance with AER requirements
- either obtaining approval from the AER to transfer licences, approvals, and permits to an eligible party in accordance with *Directive 067*, *Directive 088*, the *OGCR*, and *Pipeline Rules* or completing abandonment in accordance with under section 27 of the *OGCA*, section 23 of the *Pipeline Act*, and *Directive 020*, and completing reclamation of all sites in accordance with section 137 of the *Environmental Protection and Enhancement Act (EPEA)*
- posting applicable security, upon request in accordance with *Directive 006*, *Directive 088*, and *Directive 068* for liabilities remaining on AER-licensed properties that have not been transferred to eligible parties and have not achieved reclamation certification

Failure to comply with AER requirements may result in additional regulatory actions, as contemplated in [\*Manual 013: Compliance and Enforcement Program\*](#). When considering how to respond to

noncompliance, AER staff consider the factual circumstances of a noncompliance and the severity of its actual or potential impacts. The compliance history of the regulated party is taken into consideration as well as how to achieve the best environmental, public safety, and operational outcomes. In some cases, the AER uses additional tools when previous compliance and enforcement tools have been ineffective.

Should a licensee be indebted to the AER for any costs, levy, fee, penalty, security, or other amount, the AER has a lien in respect of the licensee's debt on the licensee's interest in any wells, facilities and pipelines, and land or interests in land, including mines and minerals, equipment, and petroleum substances. The AER's lien has priority over all other liens, charges, rights of set-off, mortgages, and other security interests pursuant to section 103 of the *OGCA*.

The AER expects licensees who are ceasing operations to take responsible actions to facilitate an orderly wind-down of operations, including the following:

- updating its working interest participant records for all AER-licensed properties in anticipation of potential closure actions which would trigger requirements for working interest participant records to be up to date
- retaining and preparing well files, copies of corporate emergency response plan (ERP) and any AER-approved ERPs, landowner contact files, and other records to share, upon request, should there be parties assigned responsibilities and require such records to safely conduct reasonable care and measures and closure activities

The AER encourages any licensee considering ceasing operations or entering into insolvency proceedings to contact [OrphaningInsolvency@aer.ca](mailto:OrphaningInsolvency@aer.ca) and to engage their working interest participants in their plans for ceasing operations.

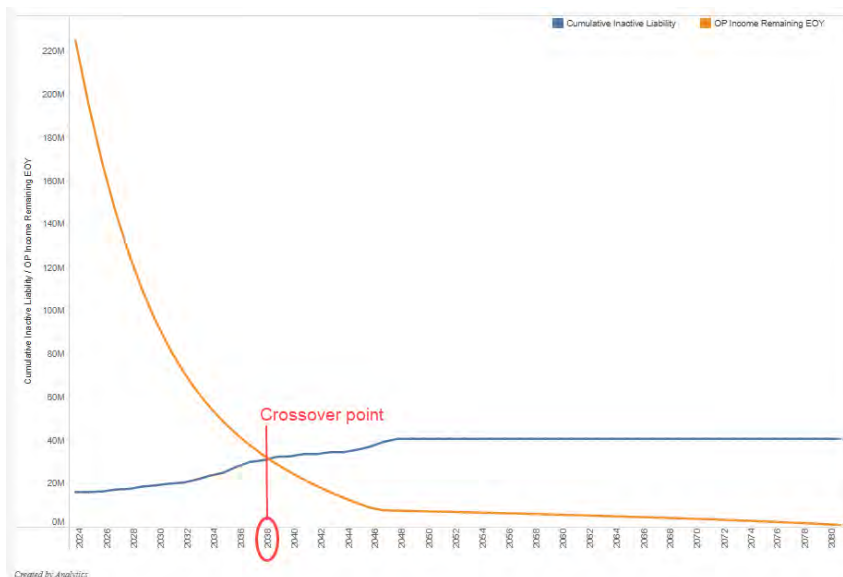
The decision to cease operations may trigger regulatory obligations for working interest participants. AER direction to working interest participants may include providing reasonable care and measures and completing abandonment and reclamation. Working interest participants are responsible for paying their proportionate share of suspension, abandonment, and reclamation costs.

## Appendix 1 Crossover Timeline Parameter Explanation

The crossover timeline parameter estimates the sum of future revenues from all the licensee’s licensed conventional wells and the anticipated estimated inactive and abandoned well liability as it changes over the years. These are modeled using Petrinex production data to estimate the well decline curves. The point at which the future undiscounted cash that the company can theoretically generate is equal to the estimated inactive and abandoned liability is the crossover point.

The crossover timeline parameter is calculated dynamically for a licensee from the sum of all conventional well licences issued to a licensee and takes account of both forecast production changes and well life-cycle status changes as it changes over time. Working interest participant information is not factored into this parameter. The crossover timeline is recalculated daily and so reflects the impacts of well transfers once they have been completed.

To illustrate, in the below figure, the blue line is the estimated cost to fully close and reclaim all a licensee’s wells. The orange line is the total operating cash flow at the end of the year from all active conventional well licences held by the licensee, taking into account production decline estimates derived from historical production levels. The point where the lines cross is the crossover timeline.



**Figure 2. Illustration of crossover timeline**

When a reserves report is provided by a licensee in connection with an application, we recalculate the crossover timeline for the sole purpose of assessing the application and making that specific decision. (We only use “proved developed producing” and “proved developed non-producing” reserves.) The LCA parameter of crossover timeline is *not* updated as a result of this re-evaluation. Reserves data provided to the AER is kept confidential as stated in the *Oil and Gas Conservation Rules*.



## Appendix 2    Closure Spending Reporting Details





**Table 13. Reportable closure spending – Well and facility abandonment**

Category	Type	Description
<i>Wells</i>		
Partial well abandonment	All zonal abandonments completed	Cost incurred for zonal abandonment of all completed zones in a well being abandoned. This spending can be reported only once per licence.
	Remedial operations completed	Cost incurred to conduct remedial cementing operations in the wellbore. This includes casing repairs, fishing operations, groundwater protection, and porous zone isolation. This spending can be reported only once per licence.
	SCVF/GM repair in progress	Cost incurred to conduct SCVF/GM repair attempts during the abandonment of a well. Applicable costs include testing, source determination, and repair. This spending can be reported annually until the SCVF/GM incident is repaired.
	Cut and cap completed	Cost incurred to cut and cap the wellbore. This spending can be reported only once per licence and in the same year as the reported “Original Surface Abandonment Date” on the “Well Abandonment” page on OneStop
Re-entry and re-abandonment	Remedial operations completed	Cost incurred to conduct remedial cementing operations in the wellbore. This includes casing repairs, fishing operations, groundwater protection, and porous zone isolation. This spending can be reported only once per licence.
	SCVF/GM repair in progress	Cost incurred to conduct SCVF/GM repair attempts during the abandonment of a well. Applicable costs include testing, source determination, and repair. This spending can be reported annually until the SCVF/GM incident is repaired.
	Cut and cap completed	Cost incurred to cut and cap the wellbore. This spending can be reported only once per licence and in the same year as the reported “Original Surface Abandonment Date” on the “Well Abandonment” page on OneStop.
	Downhole plug repair completed	Cost incurred to conduct total zonal abandonment of the zones that required the existing downhole abandonment plug to be repaired. This spending can be reported only once per licence.
Total well abandonment or re-entry and re-abandonment	Total abandonment completed	Cost incurred to fully abandon the wellbore (downhole and surface). This includes the cost of zonal abandonment, remedial operations (if any), SCVF/GM repair (if any), and cut & cap. This spending can be reported only once per licence. Well abandonment spending can only be reported when the corresponding AER licence status is abandoned. For more information on well abandonments and reporting requirements, refer to <i>Directive 020</i> .
Surface equipment removal spend (well site)	All unlicensed surface equipment removal completed	Cost incurred for removal of all unlicensed surface equipment from the well site. This spending can be reported only once per licence. Report the surface equipment removal date on the OneStop “Progressive Reclamation” page before reporting this spending.

Category	Type	Description
<i>Facilities</i>		
Progressive facility abandonment	Abandonment in progress	Cost incurred for facility abandonment operations in progress for the year specified. This expense can be submitted for each year there was abandonment work occurring until the year of the reported "Equipment Removal Completion Date" on the "Facility Abandonment" page on OneStop. If subsurface infrastructure will be removed during remediation/reclamation, the expenses can be reported under the "progressive reclamation" spending type.
Total facility abandonment	Total abandonment completed	Cost incurred for the full abandonment of the facility. This expense can only be provided once for the facility licence and in the same year as the reported Equipment Removal Completion Date on the "Facility Abandonment" page on OneStop. If subsurface infrastructure will be removed during remediation/reclamation, the expenses can be reported under <i>Progressive Reclamation</i> spending type.

**Table 14. Reportable closure spending – Well and facility reclamation and remediation**

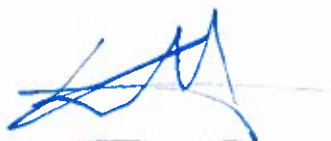
Category	Type	Description
Environmental site assessment (ESA)	Phase 1 completed	Cost incurred for the Phase 1 ESA work. This spending can be reported only once per licence. Spending for additional Phase 1 ESAs can be submitted under the "Remediation" category, "Additional Site Assessments" type.
	Initial phase 2 completed	Cost incurred for the initial Phase 2 ESA. This spending can be reported only once per licence. Spending for additional Phase 2 ESAs can be submitted under the "Remediation" category, "Additional Site Assessments" type.
Remediation	Remedial action plan completed	Cost incurred for the completion of the remedial action plan. This spending can be reported only once per licence. Spending for additional remedial action plans can be submitted under the "Additional Site Assessments" spending type.
	Risk management plan completed	Cost incurred for the completion of the risk management plan is reported under this spending type. This spending can be reported only once per licence. Spending for additional risk management plans can be submitted under the "Additional Site Assessments" spending type.
	Additional site assessments	Cost incurred for additional site assessments for the year specified. Includes additional site assessments such as supplemental Phase 1 ESAs, Phase 2 ESAs, remedial action plans, and risk management plans. This spending can be reported annually until remediation is complete.
	Remediation in progress	Cost incurred for remediation activities (e.g., dig and dump, in situ treatment, ex situ treatment, etc.) for the year specified. This spending can be reported annually until remediation is complete.
	Monitoring & maintenance in progress	Cost incurred for remediation monitoring and maintenance (e.g., groundwater monitoring to confirm plume migration) for the year specified. This spending can be reported annually until remediation is complete.

Progressive reclamation	Reclamation in progress	Cost incurred for reclamation activities for the year specified. Includes all pre-reclamation assessment, replacement of soils, soil decompaction, and revegetation. This spending can be reported annually until reclamation is complete.
	Monitoring & maintenance in progress	Cost incurred for reclamation monitoring and maintenance for the year specified. Includes site condition and vegetation growth assessments, weed control, detailed site assessments, and reclamation certificate application preparation. This spending can be reported annually until a reclamation certificate is issued.
	All subsurface infrastructure removal completed	Cost incurred for removing unlicensed subsurface infrastructure on site. This spending can be reported once per licence.

**Table 15. Reportable closure spending – Pipelines and pipeline installation abandonment and remediation**

Category	Type	Description
Abandonment	Pipeline line abandonment completed	Cost incurred for the abandonment of the line/segment. This spending can be reported only once per line/segment number. Pipeline line abandonment spending can only be reported when the corresponding AER license status is abandoned. For more information on pipeline license amendment applications, refer to <i>Directive 056</i> .
	Pipeline installation abandonment completed	Cost incurred for the abandonment of the pipeline installation. This spending can be reported only once per pipeline installation number. Pipeline installation abandonment spending can only be reported when the corresponding AER licence status is abandoned. For more information on pipeline licence amendment applications, refer to <i>Directive 056</i> .
Remediation	Risk management plan completed	Cost incurred for the completion of the risk management plan. This spending can be reported only once per licence and after the activity has been completed. Spending for additional risk management plans can be submitted under the “Additional site assessments” spending type.
	Additional site assessments	Cost incurred for additional site assessments for the year specified. Includes additional site assessments such as Phase 1 ESAs, Phase 2 ESAs, remedial action plans, and supplemental risk management plans. This spending can be reported annually until remediation is complete.
	Monitoring & maintenance in progress	Cost incurred for remediation monitoring and maintenance for the year specified. This includes ongoing groundwater monitoring and costs associated with maintenance of a remedial program. This spending can be reported annually until remediation is complete.
	Pipeline remediation	Cost incurred for remediation activities for the year specified. This spending can be reported annually until remediation is complete.

This is Exhibit "E" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

KRISTA GIBSON  
BARRISTER & SOLICITOR

# Directive 088

**Release date: February 7, 2025**

**Effective date: February 7, 2025**

**Replaces the previous edition released on April 9, 2024**

## Licensee Life-Cycle Management

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## 1 Introduction

This directive applies to energy infrastructure and sites regulated under the *Oil and Gas Conservation Act* and *Pipeline Act*.

This directive

- introduces a holistic assessment of a licensee's capabilities and performance across the energy development life cycle, which will be supported by the licensee capability assessment (LCA);
- introduces the Licensee Management Program, which determines how licensees will be managed throughout the energy development life cycle;
- introduces the Inventory Reduction Program, which includes closure quotas and closure nomination; and
- updates application requirements related to the licence transfer process.

In this directive, closure means the phase of the energy resource development life cycle that involves the permanent end of operations, and includes the abandonment and reclamation of wells, well sites, facilities, facility sites, and pipelines.

This is one of several directives published by the AER that sets out liability management programs. The directive describes how information, particularly financial, reserves, closure, and compliance information, will be used to enable the AER to

- assess the capabilities of licensees to meet their regulatory and liability obligations throughout the energy development life cycle;
- administer our liability management programs; and
- ensure the safe, orderly, and environmentally responsible development of energy resources in Alberta throughout their life cycle.

### 1.1 AER Requirements

Requirements are mandatory. The term “must” indicates a requirement, and terms such as “should,” “recommends,” and “expects” indicate a recommended practice. For ease of reference, requirements are numbered. Information on compliance and enforcement can be found on the AER website.

Because oilfield waste management facilities are included in the scope of this directive, but are approved rather than licensed, the terms “licence” and “licensee” are to be read as also including oilfield waste management approvals and oilfield waste management approval holders. The term “facility” includes oilfield waste management facilities.

## 1.2 What's New in This Edition

The availability of information has been clarified, specifically how the confidentiality outlined in sections 12.152 of the *Oil and Gas Conservation Rules* and section 16 of the *Pipeline Rules* will be applied by the AER (see section 6).

Security requirements previously contained in this directive have been moved to *Directive 068: Security Deposits*. Information on the conditional adjustment of reclamation liability has been moved to *Directive 011: Estimated Liability*. Transfer requirements have been updated.

## 2 Holistic Licensee Assessment

The AER will comprehensively assess the licensee to inform certain regulatory decisions regarding the licensee. This assessment uses a multifactor approach to assess the capabilities of licensees to meet their regulatory and liability obligations throughout the energy development life cycle: initiate, construct, operate, and close. This includes the following:

- the factors listed in section 4.5 of *Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals* for determining whether a licensee poses an unreasonable risk
- licensee capability assessment factors (described in section 2.1)
- any other factors as appropriate in the circumstances

The AER may also consider additional information provided by the licensee throughout the life cycle, including applications, amendments, reports, and other submissions to the AER.

This assessment is to ensure the responsible management by the licensee of their liability from their collective wells, facilities, pipelines, and sites. The holistic licensee assessment will reoccur at various times as the licensee moves through the energy development life cycle.

### 2.1 Licensee Capability Assessment

The licensee capability assessment (LCA) assesses the capabilities of licensees to meet their regulatory and liability obligations across the energy development life cycle. The results from the LCA will feed into the broader assessment of the licensee, which will inform certain regulatory decisions regarding the licensee, including licence eligibility under *Directive 067* and decisions under the programs described in this directive.

#### 2.1.1 LCA Factors

The LCA uses various factors to identify risks posed by a licensee:

- financial health

- total magnitude of estimated liability (active and inactive), including abandonment, remediation, and reclamation
- remaining lifespan of mineral resources and infrastructure and the extent to which existing operations fund current and future liabilities
- management and maintenance of regulated infrastructure and sites, including compliance with operational requirements
- rate of closure activities, closure spending, and inactive liability change
- compliance with administrative regulatory requirements, including the management of debts, fees, and levies

Each factor consists of various parameters (see *Manual 023*).

The data that feeds into the LCA are drawn from numerous sources available to the AER, including the financial information submitted under *Directive 067*.

The LCA will continue to evolve over time as the AER is able to enhance business intelligence and access more structured data. It is intended to be adaptive and remain relevant.

- 1) Licensees must provide complete and accurate information as required by the AER for the holistic licensee assessment.

### **3 Licensee Management Program**

Under the Licensee Management Program, the results from the holistic licensee assessment will be used to identify those licensees that are or are likely to be at risk of not meeting their regulatory and liability obligations throughout the energy development life cycle. The AER will specifically engage and use appropriate regulatory tools with the licensee to address the identified risks and compel compliance. This may involve providing education and, where appropriate, initiating specific regulatory actions, including security deposits.

- 2) When required by the AER, the licensee must provide additional information within the timeframe directed by the AER.

Section 3 of *Manual 023* provides further details on the Licensee Management Program.

### **4 Inventory Reduction Program**

The purpose of inventory reduction is to increase the amount of closure work occurring in Alberta, reduce liability, and to increase the amount of land being returned to equivalent capabilities. To do this, the AER has introduced two components under the inventory reduction program: closure quotas and closure nomination.

#### 4.1 Closure Quotas

In the *Oil and Gas Conservation Rules (OGCR)* and the *Pipeline Rules*, the AER has the authority to establish “closure quotas,” meaning set minimum required amounts of closure work, money to be spent on closure activities, or both. The AER will set the mandatory closure spend for each licensee annually.

The AER will annually publish industry-wide closure spend requirements. Licensee-specific mandatory closure spends will be calculated and released through OneStop each year.

When an amalgamation of licensees occurs during a calendar year, the successor licensee will be provided an updated mandatory closure spend, which will be the combined mandatory closure spends of the separate licensees. This will become the mandatory closure spend for the successor licensee.

- 3) Each licensee must meet their mandatory closure spend directed by the AER.
- 4) Each licensee must accurately report to the AER in OneStop all its closure activities and closure spending for the previous calendar year by March 31 of every year, unless otherwise specified by AER requirements or as directed by the AER.

Accurately reporting closure activities and closure spending includes the use of appropriate spending category and type as outlined in appendix 2 of *Manual 023*.

- 5) Each licensee must keep complete and accurate records of its closure activities and closure spending.
- 6) Licensees must provide information to the AER as requested for closure quotas.

The AER will determine a threshold for when licensees may elect to provide a security deposit in accordance with *Directive 068: Security Deposits* of the full amount of their mandatory closure spend instead of achieving the mandatory closure spend through closure work (security deposit in lieu). This threshold is identified in *Manual 023* and OneStop.

- 7) Each licensee must accurately report closure activities and correctly report closure spending in the appropriate spending category and type in OneStop (refer to appendix 2 in *Manual 023*).
- 8) Each licensee must update reported closure spending and closure category and type as directed by the AER.
- 9) All closure activity and spending records must be retained for five years.

The AER may also take other regulatory actions to ensure compliance and achievement of outcomes.

## 4.2 Closure Nomination

Under section 3.016 of the *Oil and Gas Conservation Rules (OGCR)*, if a well or facility has been in an inactive or abandoned state for five or more years, an “eligible requester” can make a request to the AER for the licensee of the well or facility to prepare a closure plan.

As defined by section 3.016(2) of the *OGCR*, an “eligible requester” is one of the following:

- the landowner (if the well or facility is on private land)
- the minister or holder of certain *Public Lands Act* dispositions (if the well or facility is on public land),
- the Indian reserve as represented by the council of the band (if the well or facility is on an Indian reserve)
- the Métis settlement (if the well or facility is on a Métis settlement)
- the municipality (if the well or facility is on land owned by a municipality)

A well or facility that has been in an inactive or abandoned state for five years or more is considered eligible for the purpose of closure nomination. The AER will notify the licensee if a request for closure of a well or facility is received by the AER.

- 10) If an eligible requester requests closure of an eligible site, the licensee of the eligible site must prepare a closure plan, unless the AER directs otherwise.
- 11) The licensee must notify the AER and provide evidence within 30 calendar days of licensee notification if either the well or facility nominated for closure or the requester does not meet the eligibility criteria.

The AER has the authority under section 3.015 of the *OGCR* to require that a licensee submit its closure plan, and the AER can define the terms and conditions when approving a closure plan.

- 12) A closure plan must include a timeline to complete each closure activity described in table 1.

A licensee is required to choose one of three options for providing its closure plans to the AER once it has been prepared: “baseline closure plan,” “non-baseline closure plan,” or “proposal to defer the closure plan.”

It is expected that most licensees will be able to meet the closure activities and timelines of a baseline closure plan. The baseline closure plan will be the default approved closure plan that a licensee must meet unless and until the AER approves an alternative (e.g., non-baseline closure plan, proposal to defer closure plan).

If a licensee identifies circumstances that prevent them from meeting the prescribed baseline closure timelines, the licensee may select a non-baseline closure option that requires approval by

the AER. Examples of such circumstances might include a site requiring more than three years to complete remediation or a large site with more complex closure needs (e.g., facility). A licensee is required to provide justification to the AER's satisfaction why the baseline closure timelines cannot be met with the submission of their non-baseline closure plan.

Non-baseline closure plans must be approved by the AER for the alternative closure activity and timelines to apply. The approval of a non-baseline closure plan will specify dates for the completion of each closure activity. Non-baseline closure plans may require additional reporting. The baseline closure plan continues to apply to the site until the non-baseline closure plan is approved unless otherwise directed by the AER.

In rare cases, a third option of proposing to defer a closure plan may be selected. Selection of the "proposal to defer the closure plan" option is only available for wells and facilities that are transitioning to another purpose (e.g., geothermal, monitoring) or are attached to an active site. The licensee must justify to the AER's satisfaction why deferring the closure plan is appropriate. The baseline closure plan continues to apply to the well or facility until the proposal to defer a closure plan is approved or unless otherwise directed by the AER.

Section 4.2.3 of *Manual 023* describes the closure plan options in more detail, including the process for informing the AER of the licensee's selected option, the information required to support the licensee's chosen option, and process for reporting.

- 13) Within 90 calendar days of receiving a closure nomination notification for a well or facility, the licensee must select one of the closure plan options described above (baseline, non-baseline, or proposal to defer) and, if non-baseline or proposal to defer is selected, must provide evidence to support its selection.
- 14) A licensee who selects a baseline closure plan must complete the closure activities within the specified timelines as described in table 1.
- 15) A licensee who selects a non-baseline closure plan must submit its proposed closure plan at the time of selection. The plan must describe the circumstances of the site and propose alternative timelines to bring the closure activities defined in table 1 to completion. In some circumstances such as complex remediation, the AER may allow a licensee to use annual licence-specific closure quotas in lieu of timelines if there is appropriate evidence to show progress of the site to full closure.
- 16) A licensee who selects a non-baseline closure plan must complete each closure activity within timelines defined in their approved closure plan and satisfy any other terms and conditions of approval.

**Table 1. Timelines for baseline closure plan closure activity**

Closure activity	Description	Maximum time to complete <sup>1,2</sup> (years)
Total well or facility abandonment	Well abandonment is completed per <a href="#">Directive 020: Well Abandonment</a> . Facility abandonment is complete.	3
Phase 1 environmental site assessment <sup>3</sup>	Completion of a Phase 1 environmental site assessment that satisfies the <i>Remediation Regulation</i> .	
Phase 2 environmental site assessment (if required) <sup>3</sup>	Completion of a Phase 2 environmental site assessment that satisfies the <i>Remediation Regulation</i> .	1 (if required)
Remediation (if required)	Complete remediation activities and submit a report that satisfies the <a href="#">Remediation Regulation</a> . <sup>3</sup>	2 (if required)
Revegetation Initiated	All reclamation activities prior to revegetation have been completed as required, including pre-reclamation assessments, replacement of soils, and recontouring.  The revegetation (e.g., seeding, tree planting) of the site has been started. The first seed application or planting cycle is complete, as required.	2
Reclamation certificate or letter of closure	A reclamation certificate application has been submitted to the AER, or a letter of closure has been provided.	5
Total time (from date of closure plan approval)		10-13 <sup>1</sup>

<sup>1</sup> Total time may vary based on the results of environmental site assessment and the status of the licence when nominated.

<sup>2</sup> The maximum time to complete each closure activity will be used to calculate a licence-specific date for completion of that activity based on the date a baseline closure plan is selected by the licensee.

<sup>3</sup> If contamination is identified, a remedial action plan may be required under section 2.2(2) of the *Remediation Regulation*.

If a licensee identifies the potential for contamination through the completion of their Phase 1 environmental site assessment the licensee will be provided additional time to complete a Phase 2 environmental site assessment as per table 1. The results of the Phase 2 assessment may trigger section 2.2(1) of the *Remediation Regulation*; if so, the licensee must meet the associated requirements. If the site cannot be remediated in accordance with section 2.2(2) of the *Remediation Regulation* and within the baseline timeline, the licensee may be directed to use the non-baseline closure plan option. If unforeseen circumstances or a change in scope arises (e.g., the discovery of gas migration, necessary changes to contamination management), a licensee must provide evidence to support a request to change from the baseline closure option to an alternative option. The change from a baseline closure plan to a non-baseline closure plan, or proposal to defer closure, requires AER approval.

- 17) To request a change from a baseline closure plan to an alternate option, the licensee must submit a non-baseline closure plan or proposal to defer the closure plan, including evidence to support the change.



18) Licensees must report on the completion of each closure activity for the previous calendar year by March 31 of every year, unless otherwise specified by AER requirements or as directed by the AER.

19) Licensees must provide information to the AER as requested for closure nomination.

The AER has the authority to direct timing and priority of site closure work. The AER may direct closure if closure plans are not adhered to or if closure work is not progressing within baseline or otherwise approved closure timelines. In these cases, the new closure timelines ordered/approved by the regulator supersede any previously prepared closure plans.

20) If a well or facility with an eligible closure request or approved closure plan is transferred to another licensee or an amalgamation occurs, the new licensee of record must meet the requirements and associated timelines of the closure plan.

## 5 Licence Transfers

Agreements for the purchase and sale of AER-licensed wells, facilities, and pipelines do not result in a transfer of the associated licences until a licence transfer application is submitted to and approved by the AER.

AER licences with a licence status of Issued, Amended, Discontinued, Suspended, Abandoned, RecCertified, or RecExempt are eligible to be transferred. Licences with a licence status of Cancelled or Re-Entered are not eligible to be transferred.

A licence transfer application will trigger a holistic licensee assessment of both the transferor and transferee. This assessment will include reviewing abandoned, reclaimed, and reclamation-exempt sites to ensure they are held by a responsible party that can address, manage, and monitor current conditions or future issues related to public safety or the environment should they arise.

The AER will consider the entire application package of licences to be transferred and may reject a licence transfer application that does not include licences that have received reclamation certification or that are abandoned and classified as “reclamation exempt.” The AER will consider the results of this assessment and any other factors determined appropriate in making the decision to approve, approve with conditions, or deny a licence transfer application. The AER will process licence transfer applications as they are received.

For licences that have a public lands disposition that needs to be assigned or transferred, if either party has arrears in respect of any debt to the Crown or of any taxes owing to a municipality, the AER will reject the public lands application for assignment or transfer of the disposition as described in the *Public Lands Administration Regulation*, section 153.

A licence transfer application can be submitted by the transferor, the transferee, or an authorized agent or consultant acting on behalf of either party. The party initiating the submission is responsible for notifying the other party that the application has been submitted; the application must be accepted by both the transferor and transferee before it can be processed.

The AER will not accept a licence transfer application unless both the transferor and transferee have AER identification codes that permit the holding of all licence types contained within the licence transfer application. For further information regarding agent appointments, identification code requirements, and other eligibility requirements, refer to *Directive 067*.

It is the transferor's responsibility to ensure that all information relevant to the licences contained in a transfer application is updated in AER systems before the application is submitted. This includes updated liability estimates in accordance with *Directive 001* and *Directive 011*.

- 21) An applicant must apply for a licence transfer and submit the licence numbers of all the licences proposed for transfer through the designated information submission system.
  - a) If a licence transfer application includes an oilfield waste management facility, the applicant must also email [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) with the approval number.
  - b) If a licence for transfer application consists only of an oilfield waste management approval, the applicant must submit the transfer application through DDS, selecting the application type for an oilfield waste management application amendment option.
- 22) The application must include the BA code and contact information (including both an email address and phone number) for both the transferor and transferee.
- 23) If a licence transfer application includes inactive licences, the transferor must update their reported closure activities and spending in the designated information submission system before submitting the application.

The AER will not adjust a licensee's mandatory closure spend or retroactively adjust the closure spending reporting after a transfer is approved.

- 24) Before a licence transfer application will be accepted by the AER, both the transferor and transferee must make the declarations provided in appendix 1.
- 25) As part of a licence transfer application, parties must provide current information regarding each working interest participant, including the following:
  - a) full legal name of each working interest participant (which cannot be a partnership)
  - b) contact information for each working interest participant, including an email address

- c) the percentages of working interest, totalling 100 per cent, for every well and facility included in the application

26) If one of or both the transferor and transferee wish to withdraw a transfer application, they must submit a written request to the AER. Upon receipt of the request, the AER will process the application as withdrawn and will notify the licensees.

27) Licensees must provide information to the AER as requested for the transfer application.

To offset any potential increase in risk that may arise from a licence transfer, a transferor or transferee may be required, as a condition of approval, to provide a security deposit to the AER in accordance with *Directive 068*.

If a required security deposit is not received by the AER, the licence transfer application will be closed.

The AER will use the most current regional estimated liability as required by and in accordance with *Directive 011* for the licences being transferred. Specifically for licences with site-specific estimated liability, the site-specific liability assessment must be updated in accordance with *Directive 011* before submitting a transfer application. Approval of a transfer application does not constitute acceptance of the existing facility cost estimate.

The AER will convey its decision regarding a licence transfer application to both the transferor and the transferee. If a transferor or transferee is represented by an agent or uses the services of a consultant, the AER will also provide notice of its decision to the agent or consultant.

The licensee of record (transferor) remains responsible to comply with all applicable regulatory requirements for any well, facility, or pipeline in a licence transfer application until the AER approves the transfer. On approval of a licence transfer application, the new licensee of record (transferee) becomes responsible for all applicable regulatory requirements associated with any well, facility, or pipeline in the application as of the effective date of the transfer.

## **6 Availability of Information**

Financial and reserves information provided to the AER will be kept confidential for the period specified in section 12.152(2) of the *Oil and Gas Conservation Rules* and section 16(2) of the *Pipeline Rules*. The AER will use this information in addition to other factors identified in section 2 in carrying out assessments to inform certain regulatory decisions under this directive.

The information submitted by a licensee to the AER will remain confidential; however, some of the findings or results generated from the AER assessments using the financial and reserve information

will be made available through liability management reporting and compliance and enforcement responses, including the following:

- publicly available summary of licensee capability to meet regulatory and liability obligations
- licensee-specific mandatory closure spend
- summary of licensee-specific reported closure spending
- licensee compliance with AER requirements such as administrative levy, the orphan fund, and its mandatory closure spend

Each licensee will have access to their own information, including its licensee capability assessment.

## Appendix 1      Transfer Application Declaration

In submitting this application as **transferor** or **transferee**, you hereby declare the following:

- Your use of the confidential identification code and password<sup>1</sup> for submission of this application has been duly authorized by your company (transferor/transferee), and the confidential identification code and password used are equivalent to and have the same binding effect as a signature executed by a duly authorized representative of the transferor/transferee company.
- You have the authority to make these (and the following, if transferee) statements and thereby bind your company.
- The information in the application is complete and accurate.

In submitting this application as **transferee**, you declare that the transferee

- holds valid surface access rights for all wells, pipelines and, facilities included in this application;
- holds valid mineral rights for all licensed producing and inactive wells included in this application;
- has the right to produce, inject, or dispose of fluids for all licensed active and inactive wells included in this application;
- is a working interest participant in all wells and facilities included in this application; and
- will ensure that all applicable AER signage requirements are met as required, including erecting or altering existing signs to reflect the new licensee's name and contact information accurately, and accepts and assumes all the obligations of a licensee as provided for in law, including, but not limited to, the energy resource enactments, regulations, rules, AER directives and requirements.

For pipeline licence transfers only:

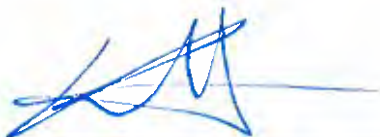
- The **transferor** hereby confirms that it has collected and retained all records required under the *Pipeline Rules* and *Canadian Standard Association Z662: Oil and Gas Pipeline Systems*. The transferor confirms that it has provided these records to the transferee by the effective date of the licence transfer.

The **transferee** hereby confirms that it has received all records required to be collected and retained under the *Pipeline Rules* and *Canadian Standard Association Z662: Oil and Gas Pipeline Systems* from the transferor. The transferee is responsible for producing these records on request by the AER. Failure to do so constitutes a noncompliance of AER requirements.

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<sup>1</sup> Used by authorized business associates to access the AER's designated information submission system.

This is Exhibit "F" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON  
BARRISTER & SOLICITOR**

# Directive 011

**Release date: August 19, 2025**

**Effective date: August 19, 2025**

**Replaces previous edition issued February 7, 2025**

## Estimated Liability

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## 1 Introduction

### 1.1 Purpose of This Directive

The Alberta Energy Regulator (AER) reviews, updates, and publishes estimated liability as required. This directive

- explains the purpose of estimating liability,
- outlines how estimated liability is used by the AER,
- details the requirements for estimating liability,
- provides clarity on how liability is estimated when costs are determined by the AER, and
- describes the orphan fund levy and licences included in the levy.

### 1.2 AER Requirements

Requirements are mandatory. The term “must” indicates a requirement, and terms such as “should,” “recommends,” and “expects” indicate a recommended practice. For ease of reference, requirements are numbered. Information on compliance and enforcement can be found on the AER website.

Because oilfield waste management facilities are included in the scope of this directive, but are approved rather than licensed, the terms “licence” and “licensee” are to be read as also including oilfield waste management approvals and oilfield waste management approval holders. The term “facility” includes oilfield waste management facilities.

### 1.3 What's New in This Edition

This edition

- enables exceptions for when no additional well event sequence costs will be applied,
- clarifies that the groundwater protection liability assessment includes evaluating primary cementing information and the data source for the base of groundwater protection depths, and
- indicates use of current estimated liability values when making decisions unless otherwise stated.

## 2 What Is Liability

The AER uses the term “liability” in its regulatory instruments to refer to both the legal responsibility to safely close and clean up energy development sites as well as the estimated cost to do so. The legal responsibility to safely close and clean up energy development sites is inherent in those sites from the moment land disturbance for resource extraction begins. The actual cost to complete this work, however, will not be known until this work is completed. Accordingly, liability assigned by the regulator before this work is completed is based on the estimated cost to suspend, abandon, remediate, and reclaim a site, as well as provide reasonable care and measures from shutdown of operations through to site reclamation. Where possible in this directive, we have tried to make this distinction clear by referring to “estimated liability” to describe the estimated costs of closure work.

## 3 What Is Estimated Liability

Estimated liability is the estimated cost to safely close an energy development site at the end of its life cycle. This includes the costs of completing each closure stage: abandonment (including decommissioning), remediation (if applicable), and reclamation. A licensee’s magnitude of estimated liability includes the total estimated liability of all of its infrastructure.

Estimated liability is assigned when a licence is issued. It is important to consider liability before and throughout the energy development life cycle. A licensee’s liability changes through the energy development life cycle and can increase as more disturbances occur, more infrastructure is added, when contamination occurs, or liability is transferred to the licensee. Liability can decrease during the closure stages and once a reclamation certificate or equivalent is issued. Estimated liability is

assessed daily with new information received, generally impacting estimates the following day. The various types of liability are shown in figure 1.



**Figure 1. Types of liability**

Inactive liability is the estimated liability associated with inactive wells and facilities as well as abandoned/decommissioned wells and facilities.

- An inactive well is defined in [Directive 013: Suspension Requirements for Wells](#), and an inactive facility is defined as facilities with no activity for 12 months. The inactive wells and facilities have estimated liability associated with the cost of abandonment, remediation (if applicable), and reclamation.
- An abandoned well or facility is when the licence status is “abandoned.” They still have estimated liability associated with the cost of remediation (if applicable) and reclamation.

Active liability is the estimated liability for wells and facilities that are not included in inactive liability. This includes newly issued licences. Active wells and facilities have estimated liability associated with the cost of abandonment, remediation (if applicable), and reclamation.

Marginal liability is the estimated liability for marginal wells and is a subset of active liability. A marginal well is defined as a well producing 1.59 cubic metres (m<sup>3</sup>) of oil equivalent per day (ten barrels of oil equivalent per day) or less. This estimated liability includes the cost of abandonment, remediation (if applicable), and reclamation.

## 4 Methods for Determining Estimated Liability

The AER uses two methods for determining estimated liability:

- Regional costs are an average cost or reasonable representation of costs for a specific group of licences (see section 5).
- Costs determined by a site-specific liability assessment (SSLA), which is prepared by the licensee (see section 6).

Appendix 1 lists the estimation methods used for different licence types.

## 5 Regional Costs

Regional costs use a single value to represent a group of similar licences; some licences will inevitably have costs that are different than the estimate. The regional values published in this directive are the values that will be used by the AER for estimating liability.

In instances where licensees can abandon or reclaim at a cost that is different than the estimates being used, it is important that licensees submit closure spending to the AER as required in [\*Directive 088: Licensee Life-Cycle Management\*](#) when that work is completed so that they can be used to update estimates in the future. Licensee- or licence-specific costs will not be used to change the regional costs for estimated liabilities upon request. For site-specific estimated liability, refer to section 6.

The regional estimated liability of a well or facility is the sum of its abandonment and reclamation liability. Although the estimated liability is broken into these two components, it represents all stages of closure (suspension, abandonment, remediation, and reclamation). A reclamation-certified or reclamation-exempt well or facility will have no estimated liability assigned.

Well abandonment costs in section 5.1.1 are based on closure spending data reported by industry and the Orphan Well Association (OWA) and were updated June 26, 2024. Regional cost estimates are outlined in sections 5.1 and 5.2 of this directive and will only be changed with updates to this directive or through the adjustments to estimated liability outlined in sections 5.1.1.1, 5.1.1.2, and 7.2. All other costs are based on older methods of determining costs such as consultants and voluntary cost surveys conducted by the AER.

Separate maps are used for determining regional abandonment costs (appendix 2) and regional reclamation costs (appendix 3).

### 5.1 Regional Well Estimated Liability

#### 5.1.1 Well Abandonment Cost Parameters

The base estimated liability for well abandonment considers the well's geographic location, depth, and downhole completion scenario. The costs are outlined in table 1.

- Geographic location is based on the regional abandonment cost map in appendix 2.
- Depth considers a well's total depth, vertical depth, and plug back depth. If the well has a plug back depth, that will be used; if not, the vertical depth will be used; if there is no vertical depth, then the total depth is used.
- Downhole completion scenario considers various pieces of information such as fluid type and status type (e.g., a crude oil pumping well is assessed in the tubing and rods scenario, while a

gas flowing well is assessed in the tubing-only scenario). In the case of a suspended well, the last reported operational status issued will be used.

A well that is abandoned, with licence status of “abandoned,” will not have an abandonment component included in its estimated liability calculation.

**Table 1. Regional well abandonment cost**

**Area 1. Medicine Hat**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
All	\$11 252	\$15 801	\$24 588	\$37 073

**Area 2. Calgary/Edmonton**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
0–1199	\$13 300	\$15 956	\$30 665	\$43 314
1200–1999	\$13 300	\$32 925	\$45 966	\$59 798
2000–2499	\$13 300	\$50 492	\$70 707	\$84 610
2500+	\$13 300	\$66 164	\$108 817	\$130 881

**Area 3. Drayton Valley/Grand Prairie**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
0–1199	\$13 500	\$23 692	\$44 235	\$50 294
1200–1999	\$13 500	\$57 997	\$82 457	\$84 113
2000–2499	\$13 500	\$69 125	\$94 560	\$109 050
2500–2999	\$13 500	\$78 995	\$124 206	\$129 626
3000+	\$13 500	\$139 342	\$157 690	\$267 915

**Area 4. Lloydminster**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
All	\$12 800	\$36 134	\$41 932	\$42 104

**Area 5. Athabasca/Peace River**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
0–1199	\$13 500	\$34 542	\$57 380	\$88 727
1200–1999	\$13 500	\$45 399	\$81 964	\$89 551
2000–2499	\$13 500	\$61 282	\$95 885	\$99 982
2500+	\$13 500	\$94 667	\$155 633	\$172 333

**Area 6. High Level**

Depth (m)	Empty not perforated	Empty perforated	Tubing only	Tubing & rods
0–1199	\$17 400	\$43 494	\$50 931	\$239 197
1200+	\$17 400	\$126 133	\$134 839	\$263 471

After determining the base well abandonment cost, the AER will apply the following estimated liability costs for well abandonment in addition to the base cost, when applicable:

- Additional event sequences (see [Directive 059: Well Drilling and Completion Data Filing Requirements](#)): A well with a single event sequence has no additional event cost. Each additional unabandoned event sequence will be assessed at 25% the base well abandonment cost, except for

- wells in an AER-approved region that permits commingled abandonment of specific geological strata (see [Directive 020: Well Abandonment](#)) and for
- multilateral horizontal wells where multiple event sequences are completed in the same geological stratum.
- Groundwater protection: When surface casing or primary cement does not cover the base of groundwater protection depth, as defined by the Alberta Geological Survey, a groundwater protection estimated liability cost of \$46 288 is applied.
- Vent flow: If there is an open surface casing vent flow record (see [Directive 020](#)), a surface casing vent flow repair cost of \$157 437 is applied.
- Gas migration: If there is an open gas migration record (see [Directive 020](#)), a gas migration cost of \$148 373 is applied.

#### 5.1.1.1 Adjustments to Well Scenario

Licensees may be able to adjust the well scenario by correcting assumptions made when estimating abandonment costs, which may reduce estimated liability. For example, removal of tubing and means of artificial lift as closure work begins may move the licence to a lower liability scenario in table 1.

- 1) To change the scenario used for estimating well abandonment costs, a licensee must submit an “Adjustment to Well Scenario” form and follow instructions associated with it and provide the required declaration document to the AER for consideration.

The form, the declaration document, and the process for submission are on the AER’s website (Regulating Development > Rules and Directives > AER Forms > [Directive Forms](#)).

#### 5.1.1.2 Adjustments to Groundwater Protection

If the groundwater is not protected, a groundwater protection estimated liability cost is added. Licensees have the option to submit missing primary cementing information.

- 2) If a licensee chooses to submit missing primary cementing information, the information must be provided to the AER using the “Groundwater Protection Missing Information” form.

Once the AER receives and reviews the information, if appropriate, the AER will remove the groundwater protection estimated liability cost.

### 5.1.2 Well Reclamation Costs

The cost per well in each of the seven regional reclamation cost areas is as follows:

- Grasslands Area East                      \$16 500

• Grasslands Area West	\$25 250
• Parklands Area	\$27 250
• Foothills Area	\$29 250
• Alpine Area	\$42 125
• Western Boreal Area	\$34 000
• Boreal Area	\$23 875

A licensee may establish a multiwell pad for those sites on which it has more than one well on a single surface lease. Wells can be added or removed from the multiwell pad once established. Both the well licences and the surface lease must be held by the same licensee.

The estimated liability for reclamation for wells located on a multiwell pad is 100% of the reclamation cost specified for a well in the regional reclamation cost map area in which the pad is located for the first well plus 10% of that value for each additional well on the same pad.

- 3) To reduce the estimated liability for reclamation, a licensee must submit a multiwell pad notification electronically through the AER's Digital Data Submission (DDS) system through the Multi Licence Pad (MLP) subsystem.

## 5.2 Regional Facility Estimated Liability

Facility licences identified as using regional costs for estimated liability (appendix 1) use a well equivalency approach to calculate estimated liability for abandonment and reclamation. Table 2 provides the well equivalent for each facility type based on the facility category, fluid type, and licensed design capacity. Well equivalency does not indicate how many wells are connected to the facility.

There is no option to change the estimated liability for a facility when using regional costs.

Changes to the estimated liability for a facility can only occur if an SSLA is required (section 6).

**Table 2. Facility well equivalent**

Category/fluid type	Directive 056 category	Licensed design capacity†	Well equivalent
Oil/bitumen or injection/disposal facility	030, 031, 080, 321, 331, 421, 431, 090, 091	0–50 m³/day	5
		>50 m³, ≤500 m³/day	10
		>500 m³, ≤3000 m³/day	20
		>3000 m³/day	40



Category/fluid type	Directive 056 category	Licensed design capacity <sup>†</sup>	Well equivalent
Oil/bitumen satellite	070, 071, 350, 351, 450, 451	Any throughput level	2
Multiwell gas battery	020, 311, 411	0–900 10 <sup>3</sup> m <sup>3</sup> gas inlet/day	10
		>900 10 <sup>3</sup> m <sup>3</sup> /day, ≤2500 10 <sup>3</sup> m <sup>3</sup> /day	20
		>2500 10 <sup>3</sup> m <sup>3</sup> /day	40
Compressor	040, 340, 440	Any throughput level	5

† Design capacity and the related well equivalent is based on the highest historical licensed design capacity associated with the facility.

### 5.2.1 Facility Abandonment Costs

The estimated liability for a facility abandonment is the abandonment cost for each well equivalent multiplied by the well equivalent in table 2. The abandonment cost for each well equivalent is \$17 000. For example, a gas processing facility with a licensed design capacity of 3000 10<sup>3</sup> m<sup>3</sup>/day (40 well equivalent) has an estimated liability for abandonment of \$680 000 (40 well equivalent × \$17 000).

### 5.2.2 Facility Reclamation Costs

The estimated liability for the reclamation of a facility that uses regional cost estimates considers its geographic location based on the regional reclamation cost map (appendix 3) and its well equivalent. The regional reclamation cost for a facility is calculated by multiplying the well equivalent of the facility (table 2) by the well regional reclamation cost in section 5.1.2 for the region that the facility is in.

For example, a gas processing facility with a licensed design capacity of 3000 10<sup>3</sup> m<sup>3</sup>/day (40 well equivalent) in the Parklands area (\$27 250) has an estimated liability for reclamation of \$1 090 000 (40 well equivalent × \$27 250).

### 5.3 Pipeline Estimates

While a pipeline licence does have liability associated with it, the AER does not currently assign an estimated liability unless it requires an SSLA as per section 6. The AER is assessing whether, in the future, regional estimated liability for pipelines will be assigned similar to wells and facilities.

## 6 Site-Specific Liability Assessment

When an SSLA is required, the requirements in this section apply. [Directive 001: Requirements for Site-Specific Liability Assessments](#) provides the requirements for completing and submitting an SSLA.

## 6.1 General Requirements

- 4) When required by section 6 of this directive, appendix 1, or when otherwise directed by the AER, a licensee must conduct and submit an SSLA in accordance with *Directive 001*.
- 5) A licensee must conduct and submit an SSLA for the infrastructure in appendix 1 where an SSLA is identified as the method for determining the estimated liability for its licence type.
  - a) A licence type that requires an SSLA, including a licence amended to a type that requires an SSLA, is always required to complete and submit an SSLA as per the requirements of section 6. Regional estimated liability will no longer be applicable.
  - b) If a licence has regional estimated liability and the licensee is applying to amend it to a licence type that requires an SSLA, an SSLA must be submitted to the AER before submitting the amendment application.
- 6) An SSLA must be submitted to the AER before submitting an application for a new or amended licence type that requires an SSLA (see appendix 1).
- 7) Once an SSLA is required, licensees must submit an updated SSLA every five years from the assessment date of the last SSLA unless otherwise authorized by the AER.
- 8) When a licensee becomes aware or ought to have become aware that there is a cumulative increase of either \$2 million or 20% of the current estimated liability values in the SSLA, the licensee must conduct and submit an updated SSLA within 90 days.

The AER may require more frequent updates of the SSLA in situations such as the following:

- at the time of a licence transfer
- upon audit of a licence
- if site conditions warrant an update
- if an AER requirement specifies an earlier submission deadline
- if the AER determines that circumstances warrant an update

A licensee may provide the AER with an updated SSLA to reflect a change in estimated liability at any time. Some factors to consider in the evaluation of cost changes include completion of closure work, changes in site conditions, unit rates used in estimating costs, and regulatory requirements.

## 6.2 SSLA for Sites with Regional Estimated Liability

In certain situations, the estimated liability type for licence types identified in appendix 1 will change from regional to SSLA. The SSLA requirement could be for estimated liability for either abandonment or reclamation or both. (For the purpose of this section, situations involving pipelines are included even though they do not have a regional estimated liability.)

- 9) When a licensee is aware or ought to be aware of site conditions that indicate that estimated liability is significantly higher than the regional estimated liability, the licensee must notify the AER within 30 days by email at [ssla@aer.ca](mailto:ssla@aer.ca), providing the licence number. Situations that indicate significantly increased estimated liability include the following:
  - a) Remedial measures are anticipated to continue for ten years or more.
  - b) A formal risk-management plan (as per the [Alberta Risk Management Plan Guide](#)) is required or already in place.
  - c) Nonaqueous phase liquid (NAPL) has been identified or is likely.
  - d) Any off-lease contamination has occurred.
  - e) A volume of soil has been affected, resulting in concentrations exceeding [Alberta Tier 1 Soil and Groundwater Remediation Guidelines](#) and that would result in significant remedial costs. If environmental site assessment work has been completed and submitted to the AER as per *Directive 001*, then liability may be estimated using the [Alberta Tier 2 Soil and Groundwater Remediation Guidelines](#) to determine volumes of contaminated soil that require remediation.
  - f) Any pipeline release has occurred that requires a remedial action plan under section 2.2(2) of the *Remediation Regulation*.
- 10) Where one of the situations listed in requirement 9 exists, the licensee must conduct and submit an SSLA within 90 days of notifying the AER, unless otherwise authorized by the AER.
- 11) If the AER becomes aware of situations (such as those identified in requirement 9 or otherwise) that indicate that estimated liability is significantly higher than the regional estimated liability and directs the licensee that an SSLA is required, the licensee must conduct and submit an SSLA within 90 days.
- 12) If the licensee wants to return to regional estimated liability, the licensee must submit a request to the AER ([SSLA@aer.ca](mailto:SSLA@aer.ca)) with an SSLA (submitted as per *Directive 001*) that demonstrates that the liability is now aligned with the regional values in section 5. (This does not apply to licences that are required to provide an SSLA per appendix 1 based on the current or a historic licence type [see section 6.1].)

The AER will review the submission and determine whether the SSLA requirement can be removed.

### 6.3 Transfer Applications

When a licence transfer occurs, there can be a large shift in liability between the transferor and transferee, which requires that SSLAs be as up to date as possible.

- 13) If a transfer application will include a licence that requires an SSLA, the transfer application must include the SSLA. The SSLA submitted by the licensee must be accepted by the AER and be within
  - a) one year from the assessment date of the last SSLA for large facilities and oilfield landfills, and
  - b) three years from the assessment date of the last SSLA for all other licences that require an SSLA and be accompanied by an evaluation of cost changes that have occurred since the SSLA was completed.
- 14) If an SSLA requires updating as per requirement 8, an updated SSLA must be submitted at the time of transfer application.

#### 6.4 Audits

The AER may audit or verify an SSLA at any time.

- 15) A licensee must submit all SSLA-related information requested by the AER within the time set by the AER.
- 16) If deficiencies are noted, the licensee must revise the SSLA by the date specified by the AER.

### 7 Changes to Estimated Liability

A new licence for a well or facility will have its estimated liability applied from the date the licence is issued, based on what the AER approved to be constructed. Liability associated with a licence may increase as the infrastructure is constructed and during operations and usually decreases during closure activities. If the licensee does not proceed with the construction or operations, refer to [Directive 056: Energy Development Applications and Schedules](#) for cancellation procedures to remove estimated liability.

A licence amendment will not necessarily result in a reduction in estimated liability. Estimated liability is determined based on both current and historic use.

Estimated liability will be reduced upon completion and notification of abandonment, through the Conditional Adjustment of Reclamation Liability Program and once a reclamation certificate is issued.

#### 7.1 Abandonment Notifications

- 17) Licensees must report a facility abandonment within 30 days of completing the operation through the designated information submission system.

Well abandonment reporting requirements are in *Directive 020*, and pipeline abandonment reporting requirements are in the [Pipeline Rules](#).

## 7.2 Conditional Adjustment of Reclamation Liability Program

The AER's Conditional Adjustment of Reclamation Liability (CARL) Program allows licensees to request a temporary conditional adjustment of estimated reclamation liability before a reclamation certificate is issued under the [Environmental Protection and Enhancement Act \(EPEA\)](#).

Licensees with wells and facilities licensed under *Directive 056*, excluding those with an *EPEA* approval or sites with a site-specific liability assessment, may request a temporary conditional adjustment of estimated liability for reclamation on a per-licence basis.

18) The licensee must meet the following conditions:

- c) All required abandonment, remediation, and reclamation work for wells and facilities according to *Directive 020* and *EPEA* and associated regulations ([Release Reporting Regulation](#), [Remediation Regulation](#), and [Conservation and Reclamation Regulation](#)) is completed.
- d) Re-establishing vegetative cover is the only remaining closure activity to obtain a reclamation certificate.

If these conditions are met and a request has been submitted through OneStop, the associated estimated liability for reclamation for the licence will be adjusted to the following amount for a period of five years or until a reclamation certificate is obtained, whichever occurs first:

- \$5000 for cultivated land
- \$9000 for all other land types

The AER may audit information provided in the licensee's CARL requests.

19) The licensee must provide information to the AER as requested to verify that they have met the conditions to receive the temporary conditional adjustment of estimated liability for reclamation.

If the licensee fails to provide satisfactory information, the AER will reinstate the estimated liability for reclamation to its full amount and may take other regulatory actions as appropriate.

20) If a licensee's estimated liability for reclamation is adjusted, the licensee must obtain a reclamation certificate under *EPEA* for the licence at issue within five years from the date of the adjustment.

21) If it is not possible to meet the five-year timeframe and the licensee requires an extension, a request for a single extension of two years must be submitted prior to the end of the five-year timeframe, and a detailed site assessment must be provided.

If the licensee fails to obtain a reclamation certificate under *EPEA* for the requested licence within the required timeframe (five years or as extended by the AER), the AER will reinstate the estimated liability for reclamation to its full amount, and the licence will be ineligible for any future CARL adjustment.

## 8 Use of Estimated Liability

As the estimated liabilities referred to in this directive are the estimated costs to safely close an energy development, the AER uses the estimated liability to understand the magnitude of liability in Alberta and make certain regulatory decisions.

Estimated liability is assessed daily with new information received, generally impacting estimates the following day. Licensees are encouraged to ensure timely reporting of the information that impacts estimated liabilities.

Liability estimates can change over time (i.e., an increase or decrease). The AER will use the current value of the estimated liability when making decisions unless otherwise stated in requirements.

Estimated liability is used by the AER to assess licensees and make certain decisions, like the following:

- To complete a holistic licensee assessment, including determining the magnitude of liability for each licensee (e.g., transfer application decisions; [Directive 088](#))
- To calculate closure quotas as part of the inventory reduction program (*Directive 088*)
- To calculate security deposits ([Directive 068: Security Deposits](#))
- To calculate the orphan fund levy or large facility levy (see section 9)
- To publicly report overall industry and licensee-specific performance in the annual liability management performance report

### 8.1 Administration

#### 8.1.1 Licensee

The AER attributes to the licensee 100% of the estimated liability of a well, facility, pipeline, or waste management approval for which the licensee is named.

#### 8.1.2 Working Interest Participants

A working interest participant (WIP) is responsible for its proportionate share of the cost to suspend, abandon, remediate, and reclaim an energy development (see section 30 of the [Oil and Gas Conservation Act](#)). WIP information can be updated through OneStop by the licensee.

### 8.1.3 Maintaining Information

Licence information, including licence status, are used to estimate liability. Requirements around reporting of well abandonments are in *Directive 020*. Requirements around reporting of pipeline abandonments are in the *Pipeline Rules*.

22) Licensees must maintain accurate well, facility, and pipeline licence status records with the AER.

## 9 Orphan Fund

The orphan fund is fully funded by licensees through a levy administered annually by the AER to pay for the costs of providing reasonable care and measures and costs to suspend, abandon, remediate, and reclaim a well, facility, or pipeline if a licensee or WIP becomes insolvent or defunct. Wells, facilities and pipelines have their estimated liability included in the calculation of the annual orphan fund levy unless otherwise indicated in appendix 1. Estimated liability associated with newly licensed wells and facilities will be excluded from the calculation of the annual orphan fund levy until drilling/construction has completed or is assumed to be completed based on Petrinex reporting, or 12 calendar months from licence issue date.

A well, facility, or pipeline may be designated an orphan when the licensee becomes insolvent, defunct, or cannot meet its obligations to close its sites safely and responsibly. Well, facility, and pipeline licence types that are eligible to be closed through the orphan fund are outlined in appendix 1. If the well, facility, or pipeline meets these criteria, the AER may designate it as an orphan as authorized in section 70(2) of the *Oil and Gas Conservation Act*. If a well or facility is designated as an orphan, this does not relieve the defunct licensee or WIPs from their regulatory obligation to address their share of closure costs.

A licensee is responsible for its proportionate share of any orphan fund levy or orphan fund levy for large facilities. The levy is calculated as the sum of the licensee's estimated liability of its licences to the total industry estimated liability of all eligible licences as of the date the levy is calculated, in accordance with the formulas in Part 16.5 of the [Oil and Gas Conservation Rules](#).

The orphan fund levy for large facilities is only issued (through the *Oil and Gas Conservation Rules*) when needed to fund or reimburse the costs to close a large facility when there is a defaulting licensee. WIPs are responsible for their proportionate share of the orphan fund levy for large facilities in which they hold working interest, payable to the licensee of the large facility. Estimated liability associated with newly licensed large facilities will be excluded from the calculation of the orphan fund levy for large facilities until construction has completed or is assumed to be completed based on Petrinex reporting, or 60 calendar months from licence issue date.



Situations may exist where the licence type is identified in appendix 1 as eligible for OWA orphaning, but the specific licensee is not directly related to the upstream oil and gas sector and does not contribute to the orphan fund levy. These licences, held by these specific licensees, are not eligible for closure through the orphan fund and are not assessed for levy purposes.

The orphan fund is managed by the Alberta Oil and Gas Abandonment and Reclamation Association, known as the Orphan Well Association (OWA), a nonprofit society.

## 10 Availability of Information

Licensees are to use the OneStop liability assessment report to understand their own liabilities.

The AER will make available through liability management reporting the magnitude of estimated liability for industry and licensees. This includes the following:

- Industry total magnitude of estimated liability, including a sum of multiple site-specific liability assessments or components of the total magnitude of estimated liability based on active, inactive, and marginal liability.
- Industry total magnitude of estimated liability based on different levels of financial distress or components of the total magnitude of estimated liability based on active, inactive, and marginal liability.
- Licensee-specific total magnitude of estimated liability including site-specific liability or components of total magnitude of estimated liability based on active, inactive, and marginal liability.
- Licensee-specific total magnitude of estimated liability including site-specific liability or components of total magnitude of estimated liability based on infrastructure type of wells, facilities, and pipelines.

Additional reporting on estimated liability will continue to be developed as the AER implements the liability management framework.

The AER will hold as confidential the information submitted to or acquired by the AER from the licensee for the purpose of determining site-specific liability assessments, as per section 12.153 of *Oil and Gas Conservation Rules*.

The AER will maintain estimated liability resulting from a site-specific liability assessment as confidential except in the following circumstances:

- The AER may provide to a transferee the estimated liability of the licences that are part of a transfer application.

- The AER may provide to the OWA the estimated liability of a licence that becomes part of an insolvency proceeding and is being transitioned to the OWA for closure. The AER may share the information previously submitted to or acquired by it with the OWA for the purposes of understanding the closure work required and for preparing the OWA's own site-specific cost estimates.

Inquiries regarding the requirements of this directive or any aspect of liability management should be directed by email to [LiabilityManagement@aer.ca](mailto:LiabilityManagement@aer.ca).



## Appendix 1      **Estimated Liability Method and Orphan Fund Applicability by Licence Type**

This appendix sets out licence types that are eligible for OWA orphaning and therefore included in the calculation of the orphan fund levy or large facility orphan fund levy.

If there are any conflicts between this appendix and table 2, this appendix prevails.

If there are circumstances not identified in the tables below, they will be assessed by the AER on a case-by-case basis to determine orphan fund applicability.

Note that the orphan fund levy or large facility orphan fund levy invoice will not include licence types that are in receipt of a reclamation certificate or its equivalent from the appropriate regulatory authority or include licence types that have a status of “reclamation exempt,” as these are not assigned an estimated liability.

### Wells

Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for OWA orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Production wells (oil, gas, and bitumen)	Wells that are or were used to produce oil, gas, or bitumen.	regional	yes	orphan fund levy
Injection wells	Wells that are or were used for injection and relate to the production of hydrocarbons.	regional	yes	orphan fund levy
Gas storage wells	Wells that are or were used for the purpose of storing gas.	regional	yes	orphan fund levy
Observation wells	Wells used for observation related to the production of hydrocarbons.	regional	yes	orphan fund levy
Liquefied petroleum gas (LPG) wells	Wells that are or were used for the production of liquified petroleum gas.	regional	yes	orphan fund levy
Oilfield source water wells	Wells that are or were used for sourcing water for oil and gas purposes.	regional	yes	orphan fund levy
Water wells not related to upstream oil and gas activities	Water wells not related to upstream oil and gas activities, including municipal water wells, domestic and farm water wells, and water wells less than 150 meters in depth licensed in error.	regional	no	N/A
Class 1a and 1b disposal wells (related to oil and gas)	Class 1a and 1b waste disposal wells associated with the upstream oil and gas sector.	regional	yes	orphan fund levy

Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for OWA orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Class 1a and 1b disposal wells (unrelated to oil and gas)	Class 1a and 1b waste disposal wells not associated with the upstream oil and gas sector.	regional	no	N/A
Disposal wells (class II, III, & IV)	Class II, III, and IV as defined in <i>Directive 051: Injection and Disposal Wells</i> .	regional	yes	orphan fund levy
Farm gas wells drilled by industry (pre-1996)	Oil and gas wells drilled by industry and transferred as a farm gas well prior to 1996. The gas is not being sold.	regional	yes	N/A
Farm gas wells drilled by industry (after 1996)	Oil and gas wells drilled by industry and transferred as a farm gas well after 1996. Regardless of use, any such farm use oil and gas wells are subject to all regulatory requirements. The gas is not being sold.	regional	yes	orphan fund levy
Farm and domestic gas wells <i>not</i> drilled by industry	Farm and domestic gas wells <i>not</i> drilled by industry as an oil or gas well. The gas is not being sold.	regional	no	N/A
Test holes (exploration wells)	Test holes licensed under section 2.030 of the <i>OGCR</i> (exploration wells). Test wells that are drilled for cores and logs only and are not completed.	regional	no	N/A
Oil sands evaluation wells	Oil sands evaluation wells, licensed under section 2.030 of the <i>OGCR</i> . Oilsands exploration wells that are drilled for cores and logs only and not completed.	regional	no	N/A

## Facilities

Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for OWA orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Satellites	Single or multiwell, oil and bitumen. <i>Directive 056</i> category types: 070, 071, 350, 351, 450, 451	regional	yes	orphan fund levy
Compressor stations	Excludes compressors that are part of an oil or gas transmission pipeline. <i>Directive 056</i> category types: 040, 340, 440	regional	yes	orphan fund levy
Injection/disposal facilities	<i>Directive 056</i> category types: 090, 091 (excluding geothermal facilities)	regional	yes	orphan fund levy

Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for OWA orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Custom treating facilities	<i>Directive 056</i> category type: 080	regional	yes	orphan fund levy
Single-well facility or battery – single well (gas, oil, or bitumen)	<i>Directive 056</i> category types: 001, 310, 320, 330, 410, 420, 430 (excluding brine-hosted mineral facilities)	N/A	yes	orphan fund levy
Battery – multiwell (gas, oil, or bitumen)	<i>Directive 056</i> category types: 020, 030, 031, 311, 321, 331, 411, 421, 431 Bitumen multiwell batteries (331 & 431) with a licensed design capacity less than 5000 m <sup>3</sup> /day only. Excludes brine-hosted mineral facilities.	regional	yes	orphan fund levy
Bitumen battery – multiwell (5000 m <sup>3</sup> /day or greater)	<i>Directive 056</i> category type: 331 or 431 (current or historic), with a licensed design capacity of 5000 m <sup>3</sup> /day or greater.	SSLA	yes	orphan fund levy for large facility
Gas processing & fractionating plants	<i>Directive 056</i> category types: 010, 011, 300, 301, 400, 401 (current or historic)	SSLA	yes	orphan fund levy
Sulphur recovery gas plants	<i>Directive 056</i> category type: 600 (current or historic)	SSLA	yes	orphan fund levy for large facility
Straddle plants	<i>Directive 056</i> category types: 200, 302 (current or historic)	SSLA	yes	orphan fund levy for large facility
Oilfield waste management facility approvals (excluding landfills)	Oilfield waste management facilities with a waste management approval.	SSLA	yes	orphan fund levy
Oilfield waste management facility approvals – landfills	Oilfield waste landfills related to upstream oil and gas, held by waste management approval holders.	SSLA	yes	N/A (full security held)
Surface waste management facilities	These facilities are not licensed by the AER. These are approved by Alberta Environment and Protected Areas and associated with <i>Directive 051</i> class 1a disposal wells.	N/A	no	N/A

## Pipelines

Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Pipelines (excluding transmission pipelines)	Pipelines within Alberta boundaries for activities regulated under the <i>Oil and Gas Conservation Act (OGCA)</i> / <i>Oil and Gas Conservation Rules (OGCR)</i> and <i>Pipeline Act</i> and <i>Pipeline Rules</i> .	N/A (unless SSLA required)	yes	orphan fund levy
Transmission pipelines	Pipelines that cross provincial boundaries are not regulated by the AER.	N/A	no	N/A

## Other

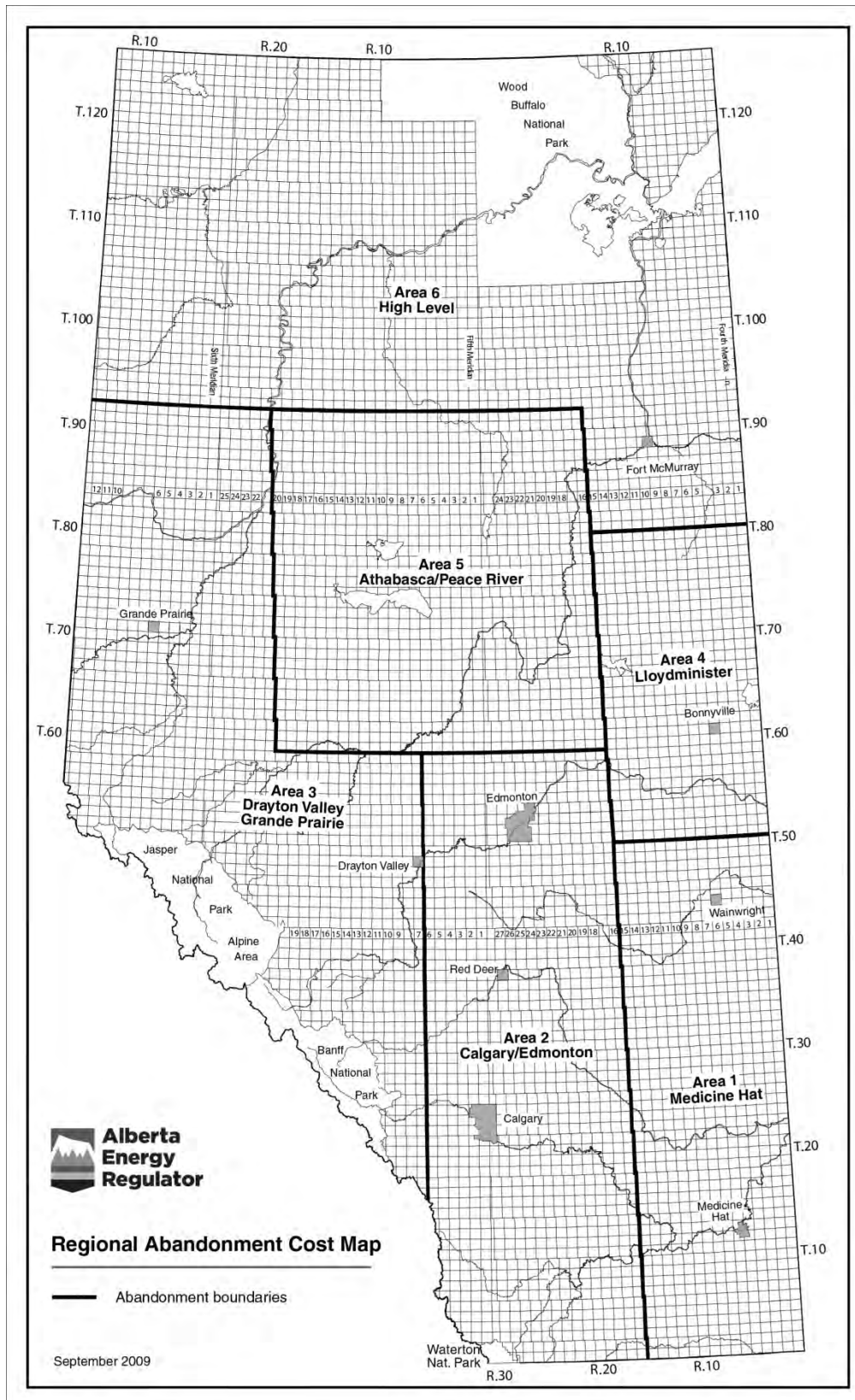
Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Helium infrastructure	Helium production wells, facilities and associated approvals licensed under the <i>OGCA</i> .	regional	yes	orphan fund levy
Brine infrastructure licensed under the <i>OGCA</i>	Brine wells, facilities, pipelines, and associated approvals licensed under the <i>OGCA</i> .	regional/SSLA	yes	orphan fund levy
Brine-hosted mineral infrastructure	Brine-hosted mineral production wells, facilities, pipelines, and any associated approvals licensed under the <i>Mineral Resource Development Act</i> . These include brine-hosted licences that were previously licensed under the <i>OGCA</i> .	see <i>Directive 090</i>	no	N/A
Carbon sequestration infrastructure	Carbon Sequestration wells, facilities, pipelines, and associated approvals subject to the <i>Mines and Minerals Act</i> . Licensed under an agreement pursuant to section 9(a)(iii) of the <i>Mines and Minerals Act</i> .	N/A	no	N/A
Geothermal infrastructure (excluding coproduction of hydrocarbons)	Geothermal wells, facilities, pipelines, and associated approvals for sole purpose of geothermal production, licensed under <i>Geothermal Resource Development Act</i> .	see <i>Directive 089</i>	no	N/A
Geothermal infrastructure, with coproduction of hydrocarbons	Geothermal wells, facilities, pipelines, and associated approvals, with coproduction of hydrocarbons and licensed under the <i>OGCA</i> .	regional/SSLA	yes	orphan fund levy



Licence type	Licence description	Estimated liability type (regional/SSLA)	Eligible for orphaning? (yes/no)	Invoiced in what levy? (See section 9 for exceptions)
Sites designated as contaminated under section 125 of the <i>Environmental Protection and Enhancement Act</i> (EPEA)	Wells, facilities, and pipeline sites designated as contaminated under section 125 of <i>EPEA</i> are not supported by orphan funds, pursuant to section 68 in Part 11 of the <i>OGCA</i> .	SSLA	no	N/A
Refineries	Refineries as defined in the <i>Pipeline Act</i> . These are not regulated by the AER.	N/A	no	N/A
Oil sands mine site or processing plant	Oil sands mine site or processing plant as defined in the <i>Oil Sands Conservation Act</i> .	N/A	no	N/A
Coal mine site or processing plant	Coal mine site or processing plant as defined in the <i>Coal Conservation Act</i> .	N/A	no	N/A
Rock-hosted mineral mine site or processing plant	Rock-hosted mineral mine site or processing plant licensed under the <i>Mineral Resource Development Act</i> .	N/A	no	N/A
Dams in relation to upstream oil and gas use	Dams licensed by the AER in relation to upstream oil and gas use under the <i>Water Act</i> .	N/A	no	N/A
Waste management components	Waste infrastructure not in receipt of a separate WM approval and instead associated with well and facility licences licensed under <i>OGCA</i> (see <i>Directive 058</i> ).	N/A	Yes	N/A

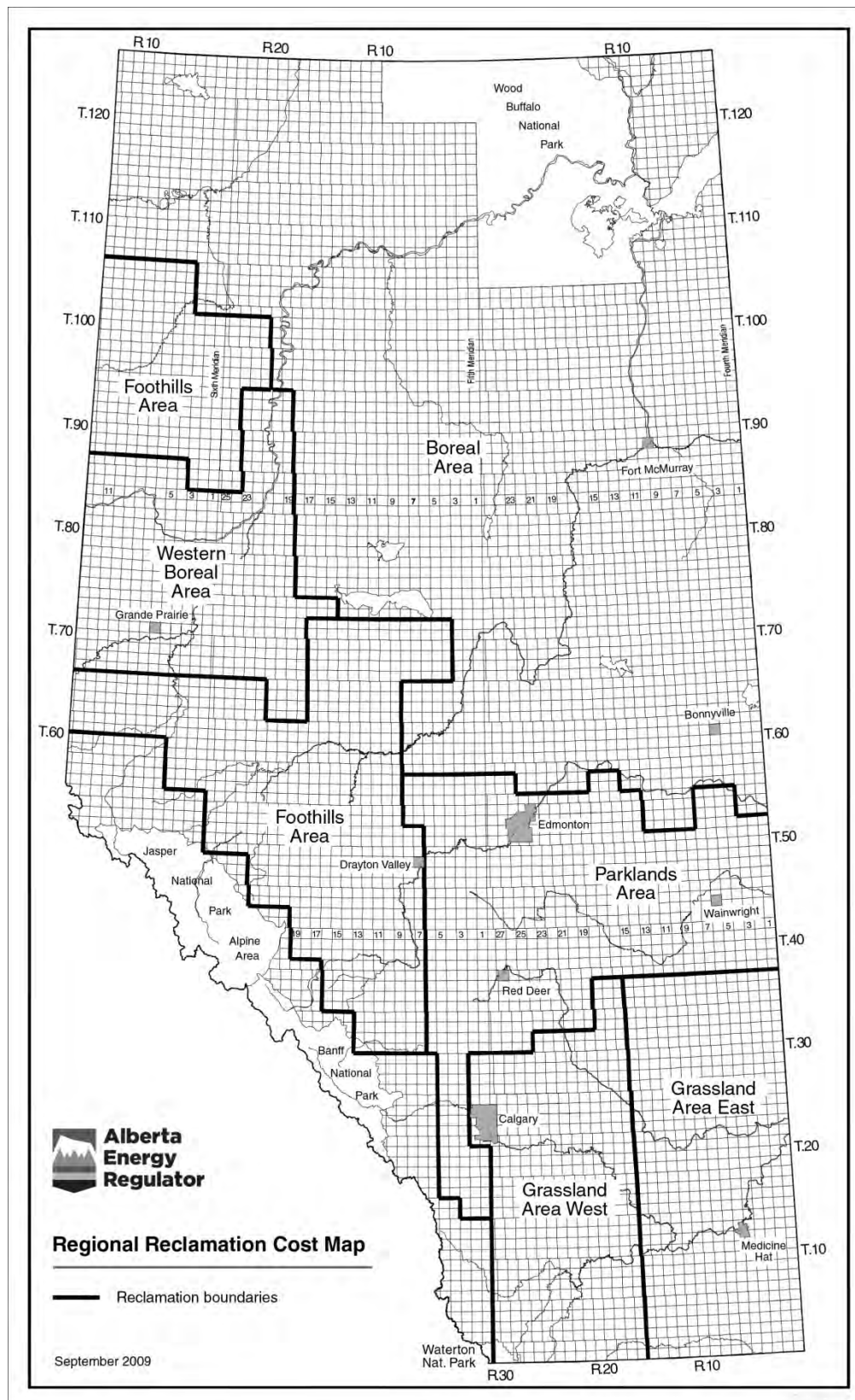


## Appendix 2 Regional Abandonment Cost Map






## Appendix 3 Regional Reclamation Cost Map



This is Exhibit "G" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR  
ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**





## Calgary Head Office

📍 Suite 1000, 250 – 5 Street SW  
Calgary, Alberta T2P 0R4

tel 403-297-8311

[aer.ca](http://aer.ca)

### Application No. 1957129

July 10, 2025

By email only

Kevin Gunning

**Cascade Capture Ltd. (BA Code A97Y)**

### Licence Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd. Conditional Approval Decision

#### Dear Kevin Gunning,

The Alberta Energy Regulator (AER) received the subject licence transfer application from AlphaBow Energy Ltd. (AlphaBow) to Cascade Capture Ltd. (Cascade) on March 4, 2025, and has now completed its review.

Licence transfer applications are considered in accordance with the requirements of *Directive 088: Licensee Life-Cycle Management (Directive 088)*, section 6, and supplemental guidance within *Manual 23: Licensee Life-Cycle Management (Manual 23)*. The AER conducts a holistic licensee assessment of both applicants to determine whether either one poses any unreasonable risk as a result of the transfer.

The following elements were considered in the AER's review of the subject application:

- The type and status of inventory included in the application.
- Cascade's high level of financial distress, as determined by a review of Cascade's financial information available to the AER.
- Cascade's post-transfer crossover timeline of very far, should it acquire the licences within the subject application.
- Cascade's post-transfer inactive well ratio of 100%, should it acquire the licences within the subject applications, as compared to the industry average of 38%
- Well licence W0095608, at 08-24-042-26W4M, has a serious surface casing vent flow (SCVF).
  - Under *Directive 087*, section 3.1.1 and section 3.4, all serious SCVF incidents must be repaired within 90 days of detection.
- Well licences W0102125, W0104066, W0104171, W0105870, W0106088, W0107905, W0108122, W0108165, W0115936, W0116258, W0116468, W0118049, W0119970, W0122617, W0123175, W0123806,

📞 **Inquiries** 1-855-297-8311

📞 **24-hour emergency** 1-800-222-6514

✉ [inquiries@aer.ca](mailto:inquiries@aer.ca)



W0124469, W0125693, W0383863, W0384127, W0436800, and W0457078 have overdue packer testing and reporting requirements in accordance with Section 2.1 of *Directive 087: Well Integrity Management*.

- Field Surveillance Inspection System, Inspection IDs 528945, 529033, 529038, 529113, 534050, 534056, 534127, 534274, 536248, 543700, 546852, and 546853 remain outstanding.
- The type and status of inventory included in the application, particularly the following pipeline licences that are licensed as operating; however, the wells tied into these pipelines show last volumetric activity as being greater than 24 months ago:

Pipeline Licence Number	Pipeline Segment Number	Associated Well Licence	Well Surface Location	Current Well Licence Status	Last Volumetric Activity of Well	Months Since Last Reported Well Activity
12739	3	0065575	01-09-041-25W4M	Suspended	01-Feb-18	82
13514	4	0063694	11-25-041-25W4M	Suspended	01-Jun-18	78
13656	3	0065047	08-05-041-25W4M	Suspended	01-Feb-14	130
14157	4	0061408	06-26-041-25W4M	Suspended	01-Dec-19	60
14158	2	0064088	04-27-041-25W4M	Suspended	01-Oct-19	62
21607	6	0113742	16-21-041-24W4M	Abandoned	01-Dec-14	120
	8	0168255	15-20-041-24W4M	Suspended	01-Jan-18	83
24272	4	0235238	16-18-042-25W4M	Abandoned	01-Jan-18	83
	5	0340489	08-25-042-26W4M	Abandoned	01-Jan-14	128
24740	10	0120116	06-05-044-26W4M	Suspended	01-Nov-22	25
37098	1	0057888	11-15-041-25W4M	Suspended	01-Aug-86	460
		0243659	11-15-041-25W4M	Suspended	01-Feb-18	82
41647	1	0068808	04-25-041-25W4M	Issued	01-Jul-20	53
43170	1	0062726	07-19-042-25W4M	Abandoned	01-Feb-17	94
52277	1	0412706	07-13-042-26W4M	Abandoned	01-Feb-13	142
57362	5	0116158	06-26-042-26W4M	Issued	01-Oct-22	26
	12	0294127	10-24-042-26W4M	Suspended	01-Sep-16	99
	14	0108917	16-23-042-26W4M	Issued	01-May-11	163
		0430870	16-23-042-26W4M	Amended	01-Mar-17	93
57370	4	0117347	02-18-042-25W4M	Issued	01-Nov-11	157
	5	0081633	14-18-042-25W4M	Issued	01-Sep-22	27
57375	1	0065001	08-16-041-25W4M	Issued	01-Jul-20	53
57376	3	0243684	06-15-041-25W4M	Suspended	01-Feb-18	82

*Data referenced on the above list was in effect as of May 20, 2025. Any changes to this data between then and the date of this decision were not considered.*

**The AER has decided to approve the subject application with the following conditions:**

- 1) Cascade Capture Ltd. must pay security in the amount of \$4,930,964.60, due 30 calendar days from acceptance of this condition.

- 2) Cascade Capture Ltd. must address the surface casing vent flow for well licence W0095608 by providing an action plan outlining how it will come into compliance within 30 calendar days from acceptance of this condition. The action plan must be submitted to [WellOperations@aer.ca](mailto:WellOperations@aer.ca).
- 3) If the AER accepts an action plan from Cascade Capture Ltd. for well licence W0095608, it must implement the plan by the agreed upon date and notify [WellOperations@aer.ca](mailto:WellOperations@aer.ca) upon completion.
- 4) Cascade Capture Ltd. must address the *Directive 087* overdue packer and testing reporting of well licences W0102125, W0104066, W0104171, W0105870, W0106088, W0107905, W0108122, W0108165, W0115936, W0116258, W0116468, W0118049, W0119970, W0122617, W0123175, W0123806, W0124469, W0125693, W0383863, W0384127, W0436800, and W0457078 by providing an action plan outlining how it will come into compliance within 30 calendar days from acceptance of this condition. The action plan must be submitted to [ResourceCompliance@aer.ca](mailto:ResourceCompliance@aer.ca).
- 5) If the AER accepts an action plan from Cascade Capture Ltd. for well licences W0102125, W0104066, W0104171, W0105870, W0106088, W0107905, W0108122, W0108165, W0115936, W0116258, W0116468, W0118049, W0119970, W0122617, W0123175, W0123806, W0124469, W0125693, W0383863, W0384127, W0436800, and W0457078, it must implement the plan by the agreed upon date and notify [ResourceCompliance@aer.ca](mailto:ResourceCompliance@aer.ca) upon completion.
- 6) Cascade Capture Ltd. must request the Field Surveillance Inspection System, Inspection ID records for IDs 528945, 529033, 529038, 529113, 534050, 534056, 534127, 534274, 536248, 543700, 546852, and 546853 from [FieldOpsWest@aer.ca](mailto:FieldOpsWest@aer.ca) within 10 calendar days from acceptance of this condition.
- 7) Cascade Capture Ltd. must provide an action plan outlining how it will come into compliance, within 10 calendar days from receipt of the Field Surveillance Inspection System, Inspection ID records. The action plan must be submitted to [FieldOpsWest@aer.ca](mailto:FieldOpsWest@aer.ca).
- 8) If the AER accepts the action plan from Cascade Capture Ltd., it must implement the plan by the agreed upon date and notify [FieldOpsWest@aer.ca](mailto:FieldOpsWest@aer.ca) upon completion.
- 9) Cascade Capture Ltd. must demonstrate pipeline licences P12739-3, P13514-4, P13656-3, P14157-4, P14158-2, P21607-2, P21607-8, P24272-4, P24272-5, P24740-10, P37098-1, P41647-1, P43170-1, P52277-1, P57362-5, P57362-12, P57362-14, P57370-4, P57370-5, P57375-1, and P57376-3 (partial pipeline licence transfers will be allocated new licence and segment numbers post-transfer) are compliant with section 71(1) of the *Pipeline Rules* or provide an action plan outlining Cascade Capture Ltd.'s intentions to bring the pipeline licence segments into compliance, within 30 calendar days of becoming licensee of record. Proof of current compliance or an action plan request must be submitted to [FieldOpsWest@aer.ca](mailto:FieldOpsWest@aer.ca).

10) If the AER accepts an action plan from Capture Cascade Ltd. for pipeline licences P12739-3, P13514-4, P13656-3, P14157-4, P14158-2, P21607-2, P21607-8, P24272-4, P24272-5, P24740-10, P37098-1, P41647-1, P43170-1, P52277-1, P57362-5, P57362-12, P57362-14, P57370-4, P57370-5, P57375-1, and P57376-3, it must implement the plan by the agreed upon date and notify [FieldOpsWest@aer.ca](mailto:FieldOpsWest@aer.ca) upon completion.

Security was calculated in accordance with section 6.1.2 of *Manual 23*, using Cascade's very far post-transfer crossover timeline and high financial distress, along with the other factors in the holistic licensee assessment as listed above. Application decisions are final and the amount of security that has been calculated as a condition of this approval will not be negotiated or adjusted. Information regarding security deposits and refunds can be found in [Directive 068: Security Deposits](#).

Cascade is required to know the following sections of the *Pipeline Rules*:

- Section 71(1) states "any pipeline that has not been in active flowing service for 24 months must be discontinued, abandoned or returned to active flowing service."
- Section 82(b) states "Unless otherwise authorized by the Regulator, a licensee intending to resume the operation of a pipeline or part of a pipeline... (b) that has not been in active flowing service for a period longer than 24 months... must make an application to the Regulator for approval of resumption in accordance with the requirements of *Directive 056*."
- Section 32(2) states, "Unless otherwise authorized by the Regulator, a licensee resuming the operation of a pipeline from... a period of non-use must confirm pipeline integrity by conducting an engineering assessment, inspection, or a pressure test in accordance with CSA Z662 and these *Rules*."

If Cascade accepts the conditions, please sign<sup>1</sup> and date the section below and return a completed copy of this letter to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) by July 17, 2025.

AlphaBow has also been delivered a conditional approval decision under separate cover and notified that a conditional approval has been issued to Cascade. Security or payment amounts within a conditional approval are only disclosed to the party being conditioned.

AlphaBow and Cascade must each fulfill all conditions required within their conditional approval decision before the transfer will be finalized and formal licence transfer approval documents issued.

Please notify [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) once Cascade has sent payment of the security deposit.

---

<sup>1</sup> Acceptance of conditions must be executed by an individual with an ability to bind the entity.

**Should Cascade accept the above conditions, it must not operate pipeline licences P12739-3, P13514-4, P13656-3, P14157-4, P14158-2, P21607-2, P21607-8, P24272-4, P24272-5, P24740-10, P37098-1, P41647-1, P43170-1, P52277-1, P57362-5, P57362-12, P57362-14, P57370-4, P57370-5, P57375-1, and P57376-3 until all of the conditions regarding these licences have been fulfilled.**

If AlphaBow or Cascade do not agree to the conditions or do not respond to their conditional approval letters by the respective deadlines, the application will be closed. If the application gets closed, AlphaBow and Cascade can resubmit a transfer application at any time.

Regardless of the terms of a sale agreement between parties, the responsibilities and obligations to the AER would remain with AlphaBow as licensee of record.

Cascade may file a request for a regulatory appeal against an appealable AER decision if it meets the criteria within section 36 of the *Responsible Energy Development Act*. Filing instructions and forms can be found on the AER's [Regulatory Appeal Process](#) webpage.

If Cascade has any questions, please reach out to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@ aer.ca).

**Sincerely,**



**Trevor Gosselin, MDS**

Director, Transfers, SOC & Support  
Regulatory Applications

/ma

Enclosure (1): Security Deposit Submission Form

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Accepted and agreed to on \_\_\_\_\_.

Month, Day, Year

---

Signature

---


Print Name

---

Title

**CASCADE CAPTURE LTD.**

This is Exhibit "H" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**



## Calgary Head Office

Suite 1000, 250 – 5 Street SW  
Calgary, Alberta T2P 0R4

tel 403-297-8311

aer.ca

**Application No. 1957129**

July 10, 2025

By email only

Jan Zhao

**AlphaBow Energy Ltd. (BA Code A7H2)**

### **Licence Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd. Conditional Approval Decision**

**Dear Jan Zhao,**

The Alberta Energy Regulator (AER) received the subject licence transfer application from AlphaBow Energy Ltd. (AlphaBow) to Cascade Capture Ltd. (Cascade) on March 4, 2025, and has now completed its review.

Licence transfer applications are considered in accordance with the requirements of *Directive 088: Licensee Life-Cycle Management (Directive 088)*, section 6, and supplemental guidance within *Manual 23: Licensee Life-Cycle Management (Manual 23)*. The AER conducts a holistic licensee assessment of both applicants to determine whether either one poses any unreasonable risk as a result of the transfer.

The following elements were considered in the AER's review of the subject application:

- The type and status of inventory included in the application.
- The remaining inventory AlphaBow would hold post-transfer, including \$205,518,226.00 in inactive liability.
- AlphaBow's high level of financial distress according to its LCA.
- The financial risk presented by AlphaBow, as it pertains to its ability to address its remaining closure obligations.

*Data referenced on the above list was in effect as of June 16, 2025. Any changes to this data between then and the date of this decision were not considered.*



## The AER has decided to approve the subject application with the following conditions

- 1) AlphaBow Energy Ltd. must pay security in the amount of \$20,551,822.60, due 30 calendar days from acceptance of this condition.
- 2) AlphaBow Energy Ltd. must submit an updated complete financial summary (*Directive 067* Schedule 3) through OneStop, for the year ending December 31, 2024, due 30 calendar days from acceptance of this condition.

Security was calculated based on 10% of the remaining inactive liability AlphaBow would hold post-transfer. Security calculation is in-line with how security was calculated in [AER Order 202303-58](#), and includes the additional inactive liability AlphaBow has accumulated since March 2023. Application decisions are final and the amount of security that has been calculated as a condition of this approval will not be negotiated or adjusted. Information regarding security deposits and refunds can be found in [Directive 068: Security Deposits](#).

If AlphaBow accepts the conditions, please sign<sup>1</sup> and date the section below and return a completed copy of this letter to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) by July 17, 2025.

Cascade has also been issued a conditional approval decision under separate cover and notified that a conditional approval has been issued to AlphaBow. Security or payment amounts within a conditional approval are only disclosed to the party being conditioned.

AlphaBow and Cascade must each fulfill all conditions required within their conditional approval decision before the transfer will be finalized and a formal licence transfer approval document is issued.

Please notify [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca) once AlphaBow has sent payment of the security deposit.

If AlphaBow or Cascade do not agree to the conditions or do not respond to their conditional approval letters by the respective deadlines, the application will be closed. If the application gets closed, AlphaBow and Cascade can resubmit a transfer application at any time.

Regardless of the terms of a sale agreement between parties, the responsibilities and obligations to the AER would remain with AlphaBow as licensee of record.

AlphaBow may file a request for a regulatory appeal against an appealable AER decision if it meets the criteria within section 36 of the *Responsible Energy Development Act*. Filing instructions and forms can be found on the AER's [Regulatory Appeal Process](#) webpage.

---

<sup>1</sup> Acceptance of conditions must be executed by an individual with an ability to bind the entity.

If AlphaBow has any questions, please reach out to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@aer.ca).

**Sincerely,**



**Trevor Gosselin, MDS**

Director, Transfers, SOC & Support

Regulatory Applications

/ma

Enclosure (1): Security Deposit Submission Form

---

Accepted and agreed to on \_\_\_\_\_.

Month, Day, Year

---

Signature

---

Print Name

---

Title

**ALPHABOW ENERGY LTD.**

This is Exhibit "I" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR  
ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**

# Directive 067

**Release date: March 15, 2024**

**Effective date: March 15, 2024**

**Replaces previous edition issued April 13, 2023**

## Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals

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## 1 Introduction

Acquiring and holding a licence or approval for energy development in Alberta is a privilege, not a right. The *Oil and Gas Conservation Act*, *Pipeline Act*, *Geothermal Resource Development Act*, *Mineral Resource Development Act*, *Oil and Gas Conservation Rules*, *Pipeline Rules*, *Geothermal Resource Development Rules*, *Brine-Hosted Mineral Resource Development Rules*, and *Rock-Hosted Mineral Resource Development Rules* contain requirements related to eligibility for acquiring and holding licences and approvals. This directive expands on those requirements.

This edition complements new functionality for submitting the required financial information (Schedule 3) in OneStop and requirements to clarify the process and timing for licensees and parent companies for information submission.

This directive has been amended to support the AER's expanded mandate to regulate geothermal and mineral resources and includes references to the various acts and rules.

## 2 Business Associate Codes

The *Oil and Gas Conservation Act*, *Pipeline Act*, *Geothermal Resource Development Act*, and *Mineral Resource Development Act* require that a person (which includes a corporation) hold a subsisting identification code in order to apply to the AER for a licence or approval under those acts. The AER has referred to these as business associate (BA) codes. The AER no longer issues BA codes. These are issued through Petrinex.

- 1) Any party that seeks to apply for and hold AER licences or approvals must first apply for and obtain a BA code through Petrinex ([www.petrinex.ca](http://www.petrinex.ca)). Parties who hold a BA code are not permitted to hold AER licences or approvals unless the AER has determined they are eligible to do so.

## 3 Licence Eligibility Types

The AER may grant licence eligibility with or without restrictions, terms, and conditions, or it may refuse to grant licence eligibility. There are three licence eligibility types:

- **No Eligibility:** Not eligible to acquire or hold licences or approvals for wells, facilities, or pipelines.
- **General Eligibility:** Eligible to acquire or hold licences and approvals for all types of wells, facilities, or pipelines.
- **Limited Eligibility:** Eligible to acquire or hold only certain types of licences and approvals, or eligibility is subject to certain terms and conditions.

Restrictions, terms, and conditions may include

- the types of licences or approvals that may be held,
- the number of licences or approvals that may be held,
- additional scrutiny required at the time of application for or transfer of a licence or approval,
- requirement to provide security,
- requirements regarding the minimum or maximum working interest percentage permitted,
- a requirement to address outstanding noncompliances of current or former AER licensees that are directly or indirectly associated with the applicant or its directors, officers, or shareholders, and
- anything else the AER considers appropriate in the circumstances.

#### **4 Obtaining General Licence Eligibility**

Once a person has a BA code, they may apply to the AER for licence eligibility by submitting schedules 1 and 3 (and 2, if applicable) through the designated information submission system. Upon review of the information provided, the AER may request additional information, including reserves information. The AER may audit the information provided for accuracy and completeness at any time before or after granting eligibility.

Requests for licence eligibility that do not contain all the information required will be summarily closed.

The AER will assess the information provided in the application, along with any other relevant information, and will determine whether the applicant meets the eligibility requirements for acquiring and holding AER licences or approvals.

- 2) An applicant must be an individual or a corporation that meets the requirements of section 20 of the *Oil and Gas Conservation Act*, section 21 of the *Pipeline Act*, section 7(2) of the *Geothermal Resource Development Act*, section 9(2) of the *Mineral Resource Development Act*, or section 7 of the *Rock-Hosted Mineral Resource Development Rules*.
- 3) An applicant must sign a declaration attesting to the truth and completeness of the application, consenting to the release and collection of compliance information regarding the applicant from other jurisdictions and regulators as applicable, and attorning to the jurisdiction of Alberta (Schedule 1).

## 4.1 Residency Requirements

### 4) An applicant must

- a) be resident in Alberta, as defined in section 1.020(2.1) of the *Oil and Gas Conservation Rules*, section 1(6) of the *Pipeline Rules*, section 2 of the *Geothermal Resource Development Rules*, section 2 of the *Brine-Hosted Mineral Resource Development Rules*, and section 2 of the *Rock-Hosted Mineral Resource Development Rules*; or
- b) appoint an agent that is resident in Alberta (schedule 2) and have that appointment approved by the AER, as required by section 91 of the *Oil and Gas Conservation Act*, section 19 of the *Pipeline Act*, section 20 of the *Geothermal Resource Development Act*, and section 49 of the *Mineral Resource Development Act*; or
- c) be exempt from the resident/agent requirement (granted under specific circumstances set out in section 1.030 of the *Oil and Gas Conservation Rules*, section 1.1 of the *Pipeline Rules*, section 5 of the *Geothermal Resource Development Rules*, section 6 of the *Brine-Hosted Mineral Resource Development Rules*, and section 6 of the *Rock-Hosted Mineral Resource Development Rules*).

For these purposes, “resident” means,

- in the case of an individual, having their home in and being ordinarily present in Alberta or,
  - in the case of a corporation, having a director, officer, or employee that has their home in and is ordinarily present in Alberta and is authorized to make decisions about the licensing and the operating of the well, facility, or pipeline and about implementing the directions of the AER regarding the well, facility, or pipeline.
- 5) Both the applicant and the agent (if appointed) must meet all the licence eligibility requirements set out in this directive.

## 4.2 Insurance

- 6) At the time of applying for licence eligibility, applicants must have and maintain comprehensive general liability insurance with minimum coverage of \$1 000 000.
- 7) Applicants must submit a certificate of proof of insurance or a statement of the insurer describing the coverage, effective date, and termination date of the insurance.
- 8) Should eligibility be granted, the licensee or approval holder must maintain reasonable and appropriate insurance coverage for the operations of the company, including
  - a) pollution coverage sufficient to cover the cost of removal and cleanup operations required as a result of an incident, and



- b) sufficient coverage for loss or damage to property or bodily injury caused during operations.
- 9) Unless otherwise authorized, an applicant, licensee, or approval holder must have insurance issued from a company registered in Alberta to provide insurance in Alberta.
- 10) Upon request, information regarding coverage and content of the insurance must be provided.

The AER may require the licensee, or approval holder to obtain additional insurance; at all times, the licensee is solely responsible for maintaining appropriate levels of insurance given the nature and scope of operations.

#### 4.3 Fee

For most licence eligibility types, a fee is required. The amount of the fee is prescribed in section 17.010 of the *Oil and Gas Conservation Rules*, Schedule 1 of the *Geothermal Resource Development Rules*, Schedule 1 of the *Brine-Hosted Mineral Resource Development Rules*, and the schedule to the *Rock-Hosted Mineral Resource Development Rules* and may be waived or varied by the AER if circumstances warrant.

Applications that do not include the required fee will be summarily closed.

#### 4.4 Financial Information

Financial statements and financial summary (Schedule 3) will be used by the AER to

- assess licensee eligibility,
  - assess the capabilities of licensees and approval holders to meet their regulatory and liability obligations throughout the energy development life cycle,
  - administer our liability management programs, and
  - ensure the safe, orderly, and environmentally responsible development of energy resources in Alberta throughout their life cycle.
- 11) An applicant must submit a complete financial summary (Schedule 3) through the designated information submission system.
    - a) Full audited financial statements must be submitted when available, matching the totals in Schedule 3. If audited statements are not available, those prepared by management may be acceptable.
    - b) In the case of an applicant that is a new company with no financial history, details of financing must be provided (Schedule 3).

- c) If the financial records of the applicant are consolidated into another corporation's consolidated financial statements (the "parent corporation"), then a financial summary (Schedule 3) for the parent corporation and its consolidated financial statements must also be submitted.

Upon review of the information provided, the AER may request additional information. Financial information provided to the AER under this requirement will be kept confidential for the period outlined in section 12.152(2) of the *Oil and Gas Conservation Rules*, section 94 of the *Geothermal Resource Development Rules*, section 102 of the *Brine-Hosted Mineral Resource Development Rules*, and section 41 of the *Rock-Hosted Mineral Resource Development Rules*.

#### 4.5 Unreasonable Risk

12) An applicant must not, in the AER's opinion, pose an unreasonable risk.

In assessing whether the applicant, licensee, or approval holder poses an unreasonable risk, the AER may consider any of the following factors:

- failure to maintain in Alberta persons who are authorized to make decisions and take actions on behalf of the licensee or approval holder to address any matters or issues that arise in respect of the wells, well sites, facilities, facility sites, or pipelines of the licensee or approval holder
- the compliance history of the applicant, licensee, or approval holder, including its directors, officers, and shareholders in Alberta and elsewhere
- the compliance history of entities currently or previously associated or affiliated with the applicant, licensee, or approval holder or its directors, officers, and shareholders
- outstanding noncompliances of current or former AER licensees or approval holders that are directly or indirectly associated or affiliated with the applicant, licensee, or approval holder or its directors, officers, or shareholders
- the experience of the applicant, licensee, or approval holder and its directors, officers, and shareholders
- corporate and ownership structure
- working interest participant arrangements, including participant information and proportionate shares
- the financial health of the applicant, licensee, or approval holder and entities currently associated or affiliated with the applicant, licensee, or approval holder or its directors, officers, and shareholders

- the assessed capability of the applicant, licensee, or approval holder to meet its regulatory and liability obligations throughout the energy development life cycle, including financial capability
- the assessed ability of the applicant, licensee, or approval holder to provide reasonable care and measures to prevent impairment or damage in respect of a well, well site, facility, facility site, or pipeline
- outstanding debts owed to AER or the Orphan Fund by the applicant, licensee, or approval holder or by current or former AER licensees or approval holders that are directly or indirectly associated or affiliated with the applicant, licensee, or approval holder or its directors, officers, or shareholders
- outstanding debts owed for municipal taxes, surface lease payments, or public land disposition fees or rental payments by the applicant, licensee, or approval holder or by current or former AER licensees, or approval holders that are directly or indirectly associated or affiliated with the applicant, licensee, or approval holder or its directors, officers, or shareholders
- being or having been subject to or initiating insolvency proceedings (which includes bankruptcy proceedings, receivership, notice of intention to make a proposal under the *Bankruptcy and Insolvency Act*, proceedings under the *Companies Creditors Arrangement Act*)
- involvement of the applicant, licensee, or approval holder's directors, officers, or shareholders in entities that have initiated or are or have been subject to insolvency proceedings
- cancellation of or significant reduction to insurance coverage
- naming of directors, officers, or shareholders of the applicant, licensee, or approval holder in a declaration made under section 106 of the *Oil and Gas Conservation Act*, section 51 of the *Pipeline Act*, section 25 of the *Geothermal Resource Development Act*, and section 24 of the *Mineral Resource Development Act*
- any other factor the AER considers appropriate in the circumstances.

## 5 Maintaining Licence Eligibility

- 13) All existing licensees or approval holders must meet licence eligibility requirements (section 4) on an ongoing basis and ensure that the information the AER has on file is kept accurate.
- 14) Licensees and approval holders must submit financial statements (audited or management-prepared) for the licensee and any parent corporation (if applicable) and a financial summary (Schedule 3) annually through the designated information submission system. These are due on the earliest of the following dates:
  - a) once finalized,

- b) within 180 days of fiscal year-end, or
- c) as directed by the AER.

Licensees are responsible for ensuring that submissions are received before the deadlines.

Licensees should verify that the data has been received by checking OneStop before the deadlines.

- 15) Licensees and approvals holders must have and maintain at all times an official regulatory email address that is frequently monitored for regulatory communication with the AER.
- 16) Licensees and approval holders must notify the AER immediately in any of the following cases:
  - a) General or emergency contact information has changed (submit updated Schedule 1, sections A and B).
  - b) Insurance coverage is cancelled or significantly reduced.
  - c) They are ceasing their operations.
  - d) They initiate or are subject to insolvency proceedings, liquidation, or dissolution.

The AER encourages any licensee considering ceasing its operations, initiating insolvency proceedings, liquidation, or dissolution to contact the AER and to engage their working interest participants in their plans.

- 17) Licensees and approval holders must notify the AER within 30 days of defaulting on debt or violating debt covenants.
- 18) An updated Schedule 1 and any associated documents must be provided within 30 days of any material change, which includes the following:
  - a) changes to legal status and corporate structure
  - b) addition or removal of a related corporate entity
  - c) amalgamation, merger, or acquisition
  - d) changes to directors, officers, or shareholders directly or indirectly holding 20% or more of the outstanding voting securities of the licensee or approval holder
  - e) plan of arrangement or any other transaction that results in a significant change to the operations of the licensee
  - f) the sale of all or substantially all of the licensee's assets
  - g) a significant change to working interest participant arrangements, including participant information and proportionate shares

- h) the licensee or approval holder has initiated or is subject to liquidation, dissolution, or insolvency proceedings or has ceased their operations
- i) cancellation of or significant reduction to insurance coverage

Before effecting a material change, a licensee or approval holder may request an advance determination on whether the AER would consider the proposed change to result in the licensee or approval holder posing an unreasonable risk (see section 4.5).

The AER may request additional information following a material change to assess whether a licensee or approval holder poses an unreasonable risk (see section 4.5).

## **6 Restriction of Licence Eligibility**

There are three main circumstances in which the AER may revoke or restrict licence eligibility:

- Failure to provide complete and accurate information or to update that information as required and within the prescribed timelines.
- A finding by the AER that the licensee or approval holder poses an unreasonable risk.
- The licensee fails to acquire or hold licences or approvals within one year following granting of licence eligibility.

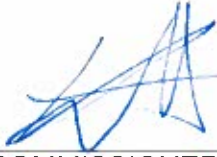
If a party already holds licences or approvals, licence eligibility will be restricted. If the party had general eligibility, it will be changed to limited eligibility, and additional terms or conditions may be imposed. If the licensee or approval holder has limited eligibility, licensee eligibility may be further restricted to impose additional terms or conditions.

If a party does not hold licences or approvals, licence eligibility will be revoked. The party will have to reapply under this directive for licence eligibility.

## **7 Application to Amend Licence Eligibility**

Application to amend licence eligibility will require reapplication under this directive, which may include payment of an additional fee and may result in the imposition of restrictions, terms, or conditions.

This is Exhibit "J" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



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A COMMISSIONER FOR OATHS IN AND FOR  
ALBERTA

**KRISTA GIBSON  
BARRISTER & SOLICITOR**

**From:** [Stephanie Dumoulin](#)  
**To:** [Regulatory Appeal](#)  
**Cc:** [Keely Cameron](#); [Sophie Fiddes](#)  
**Subject:** RE: AlphaBow Energy Ltd. | Request for a Regulatory Appeal | Application No. 1957129 - Conditional Approval Decision  
**Date:** August 8, 2025 3:08:09 PM  
**Attachments:** [image001.png](#)  
[Ltr to AER - Request for a Regulatory Appeal.pdf](#)  
[2025-07-10 - AER to AlphaBow - Application No. 1957129 - Decision.pdf](#)

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**CAUTION: External email alert.**

**DO NOT click links, open attachments, reply, or enter AER credentials unless you recognize the sender and know the content is safe. Report phishing via Outlook 'Report Message' button.**

Good afternoon,

Thank you for your quick response. Please us the attached documents and accept my apologies as the first email had the documents in the incorrect order.

Kind regards,

**Stephanie Dumoulin**, *Legal Assistant to Keely Cameron, Luc Rollinson and John Dyck, Bennett Jones SLP*  
T. [403 298 3073](#) | F. [403 265 7219](#)



---

**From:** Regulatory Appeal <[RegulatoryAppeal@aer.ca](mailto:RegulatoryAppeal@aer.ca)>  
**Sent:** Friday, August 8, 2025 2:59 PM  
**To:** Stephanie Dumoulin <[dumoulins@bennettjones.com](mailto:dumoulins@bennettjones.com)>  
**Cc:** Keely Cameron <[CameronK@bennettjones.com](mailto:CameronK@bennettjones.com)>; Sophie Fiddes <[FiddesS@bennettjones.com](mailto:FiddesS@bennettjones.com)>  
**Subject:** RE: AlphaBow Energy Ltd. | Request for a Regulatory Appeal | Application No. 1957129 - Conditional Approval Decision

SENT ON BEHALF OF AIMÉE HOCKENHULL, REGULATORY APPEALS COORDINATOR

Thank you for your email.

Receipt is confirmed, we will review the request and get back to you in due course.

Security Classification: Protected A

---

**From:** Stephanie Dumoulin <[dumoulins@bennettjones.com](mailto:dumoulins@bennettjones.com)>  
**Sent:** August 8, 2025 2:55 PM



**To:** Regulatory Appeal <[RegulatoryAppeal@aer.ca](mailto:RegulatoryAppeal@aer.ca)>

**Cc:** Keely Cameron <[CameronK@bennettjones.com](mailto:CameronK@bennettjones.com)>; Sophie Fiddes <[FiddesS@bennettjones.com](mailto:FiddesS@bennettjones.com)>

**Subject:** AlphaBow Energy Ltd. | Request for a Regulatory Appeal | Application No. 1957129 - Conditional Approval Decision

**CAUTION: External email alert.**  
**DO NOT click links, open attachments, reply, or enter AER credentials unless you recognize the sender and know the content is safe. Report phishing via Outlook 'Report Message' button.**

Good afternoon,

Please find attached correspondence from Ms. Cameron regarding the above matter.

Kind regards,

**Stephanie Dumoulin**, *Legal Assistant to Keely Cameron, Luc Rollinson and John Dyck*, Bennett Jones SLP

T. [403 298 3073](tel:4032983073) | F. [403 265 7219](tel:4032657219)



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# Request for Regulatory Appeal

## Section 38 of the *Responsible Energy Development Act* and Section 30 of the *Alberta Energy Regulator Rules of Practice*



The AER's regulatory appeal process is separate from other AER processes. Any information that you want the AER to consider must be provided during the regulatory appeal process even if it has already been submitted as part of another AER process.

**The AER may decide not to process your request if all of the requested information is not provided.**

Send any questions about this form to [RegulatoryAppeal@aer.ca](mailto:RegulatoryAppeal@aer.ca).

Take notice that		
I, _____, of _____ (print name) (address, legal description, or GPS coordinates of land or residence)		
Phone: _____	Fax: _____	E-mail: _____
am filing this request for regulatory appeal regarding a decision of the AER.		Date: _____

Contact information of representative (if applicable)		
Name of representative: _____		
Address of representative: _____		
Phone: _____	Fax: _____	E-mail: _____

Details
<ol style="list-style-type: none"><li>1. Date of the notice of decision or order: _____</li><li>2. Attach a copy of the decision or order.</li><li>3. Location of the activity that is the subject of your request for regulatory appeal (address, legal description, or GPS coordinates): _____</li><li>4. Attach a copy of the statement of concern that you filed in regards to the application. If you did not file a statement of concern, explain why not (e.g., this matter relates to an enforcement order): _____</li><li>5. What are your reasons for requesting the regulatory appeal? (This could include your concerns with or objections to the overall decision or order, or specific parts of it.)  <b>Do not leave out any reasons as you may be prevented from raising them later in the process. Be specific, and attach any additional sheets if necessary.</b></li></ol>

6. What outcome are you seeking? (I.e., what would you like the AER to do to resolve your concerns?):

406  
523

Submit your completed request form to the AER using one of the following methods:

E-mail: [RegulatoryAppeal@aer.ca](mailto:RegulatoryAppeal@aer.ca)

Fax: 403-297-7031

Mail: Alberta Energy Regulator  
Regulatory Appeal Coordinator, Law Branch  
Suite 1000, 250 – 5 Street SW  
Calgary, AB T2P 0R4

**You must provide a copy of your request for regulatory appeal to the approval holder and landowner, if applicable, of the lands where the energy resource activity is or will be located.**

The information collected on this form is necessary to allow the AER to perform its regulatory and adjudicative functions. The information is collected under section 33(c) of the *Freedom of Information and Protection of Privacy Act*. Section 33(c) provides that personal information may only be collected if that information relates directly to and is necessary for the processing of your regulatory appeal. The information that you provide will be part of the public record. If you have concerns with this or if you have questions about how the AER deals with your information, contact the Regulatory Appeal Coordinator at the contact information listed above.

**Bennett Jones****Bennett Jones LLP**

4500 Bankers Hall East, 855 - 2nd Street SW

Calgary, Alberta, Canada T2P 4K7

Tel: 403.298.3100 Fax: 403.265.7219

**Keely Cameron****Partner**

Direct Line: 403.298.3324

e-mail: cameronk@bennettjones.com

Our File No.: 88323.6

August 8, 2025

**Via E-Mail (RegulatoryAppeal@aer.ca)**

Alberta Energy Regulator  
Regulatory Appeal Coordinator, Law Branch  
Suite 1000, 250 – 5th Street SW  
Calgary, AB T2P 0R4

Dear Sirs/Madams:

**Re: AlphaBow Energy Ltd.  
Request for a Regulatory Appeal  
Application No. 1957129 - Conditional Approval Decision**

Please accept this request for a regulatory appeal, pursuant to section 38 of the Responsible Energy Development Act ("**REDA**"). AlphaBow Energy Ltd. ("**AlphaBow**") hereby requests a regulatory appeal of the Decision of the Alberta Energy Regulator ("**AER**") to issue the Conditional Approval Decision (the "**Decision**"). The request for regulatory appeal has been prepared in accordance with the requirements of section 30 of the Alberta Energy Regulator Rules of Practice (the "**Rules**").

Please be advised that this appeal is being advanced on a protective basis. It continues to be AlphaBow's preference that the matter proceed to resolution consensually with the AER and to that end, it reconfirms previous requests for a meeting with the AER and specifically requests that the AER expedite this matter to Hearing Commissioner Alternative Dispute Resolution, as the delays in resolving this matter are significant not only for AlphaBow, but all of its stakeholders.

As the AER is aware, AlphaBow is currently in restructuring proceedings and has been working over the last year to advance transactions that would see all of its environmental liabilities assumed and removed from the care and custody of the Orphan Well Association. The Decision risks approximately \$205,518,226 of liabilities remaining with the Orphan Well Association and its inventory doubling, rather than facilitating transactions that would allow the assets being removed from the Orphan Well Association, a distribution of AlphaBow's sales proceeds to the AER and municipalities, and solvent parties being provided opportunities to bring the assets into compliance and producing them for the benefit of Albertans. This is respectfully, preferable to the status quo, wherein the assets are not being maintained by the Orphan Well Association, the assets are not being produced and no payments are

August 8, 2025  
Page 2

being made to AlphaBow 's stakeholders, other than the payments provided by taxpayers in respect of surface lease rentals.

## A. BACKGROUND

As the AER is aware, AlphaBow has experienced financial difficulties for several years. While AlphaBow was working on a plan to address its liquidity challenges, the AER deemed AlphaBow to pose a "material risk" of insolvency, compounding its financial challenges. These challenges worsened on March 30, 2023, when the AER directed AlphaBow to, amongst other things, post \$15,374,000 in security.

On June 5, 2025, after the AER rejected AlphaBow's payment plan, it ordered AlphaBow to suspend all its assets, which AlphaBow took steps to comply with and in September 2023, the AER directed that the OWA assume care and custody over all of AlphaBow's licensed assets.

On March 28, 2024, AlphaBow filed a Notice of Intention to Make a Proposal pursuant to section 50.4 of the Bankruptcy and Insolvency Act and on April 26, 2024, converted its proceedings to those under the *Companies' Creditors Arrangement Act*.

On April 26, 2024 AlphaBow also obtained court approval of a sale and investment solicitation process which was overseen by Sayer Energy Advisors. The result of the process was that purchasers were found for all of AlphaBow's assets. The bids received were discussed with the AER on August 21, 2024 and at the request of the AER, AlphaBow sought to have the majority of the transactions approved at the same time, on December 19, 2024 as AlphaBow had understood that the AER would be taking a holistic approach to its review of the transfer applications.

To date, the AER has approved license transfer applications involving the following entities: North40 Resources Ltd., Signalta Resources Limited, Resistance Energy Ltd., Ember Resources Inc., Tykewest Limited, Lucky Strike Energy Ltd. and Response Energy Corporation. The most recent approval being on June 18, 2025. The AER did not request security from AlphaBow in respect of any of these transactions.

The decision to now seek security, in respect of this transaction materially prejudices AlphaBow. Had AlphaBow known this would be a requirement notwithstanding that it was selling all of its assets such that its environmental obligations were being addressed, it may have proceeded differently. Further, it is noted that the decision of the AER, ignores a number of relevant factors and raises procedural fairness concerns, including but not limited to the decision being made prior to affording AlphaBow to respond to the AER's concerns regarding the transfers, despite AlphaBow's understanding that the AER was still considering its request for a meeting to do so. Further, the request for security from AlphaBow appears to be contrary to the stay of proceedings imposed in accordance with *Companies' Creditors Arrangement Act*.

As explained in my letter to the AER dated July 14, 2025 (enclosed), the Decision seeks to penalize AlphaBow for its "inactive liability," which resulted directly from the AER's order that AlphaBow suspend the assets.

August 8, 2025

Page 3

Despite previously encouraging AlphaBow to sell all of its assets and pursue court approval for the majority of transactions together, the AER has failed to take a holistic approach to reviewing the transfer applications or assessing the "risk" posed, contrary to AlphaBow's legitimate expectations. The Decision now seeks more security than was requested prior to AlphaBow's insolvency, even though AlphaBow now has less liability.

Finally, the Decision jeopardizes the outstanding transactions and seeks to penalize purchasers that do what the AER requests and agree to assume environmental liabilities. In this instance, the AER is seeking to have AlphaBow and Cascade Capture Ltd. both post security, which deviates from its approach to other transfers and seeks to require Cascade to divert significant funds as security which could better be used restarting and bringing into compliance AlphaBow's wells which have been with the OWA for over a year.

## **B. ALPHABOW IS AN "ELIGIBLE PERSON" AND THE DECISION IS AN APPEALABLE DECISION**

AlphaBow submits that the Decision falls within the meaning of an "appealable decision" and that AlphaBow is an "eligible person", as those terms are defined in the *REDA*, for the purpose of making requests for regulatory appeal of the Decision. As outlined above and below it is clear that AlphaBow is directly and adversely affected by the Decision which threatens its restructuring efforts. The Decision was made under an energy enactment without a hearing per clause 36(a)(i) of the *REDA*.

The AER has determined on multiple occasions that the decision to require security is an appealable decision, noting that the ability to require security before approving a transfer application can be found in s. 1.100(2) of the *Oil and Gas Conservation Rules* under the *Oil and Gas Conservation Act*.<sup>1</sup>

Previous decisions have recognized the party who is subject to a requirement to pay security as a condition of approval of a transfer, as an "eligible person." AlphaBow submits that, for the same reasons found in those decisions, that it is an "eligible person." The Decision requires AlphaBow to pay security as a condition of the transfer, directly and adversely affecting AlphaBow by jeopardizing the remaining 3 transactions which would enable all of AlphaBow's assets to be removed from the Orphan Well Association.

## **C. REQUEST**

AlphaBow respectfully requests that the AER:

1. expedite the acknowledgement of AlphaBow's entitlement for a regulatory appeal and refer the Decision to the Hearing Commissioners for ADR; and

<sup>1</sup> See AER Decision allowing Request for Regulatory Appeal No. 1957195 re Fiddlehead Resources Corp. (10 June 2025), online: <<https://static.aer.ca/prd/documents/decisions/regulatory-appeal-decisions/1957195-20250610.pdf>>; Request for Regulatory Appeal No. 1942595 re HESC Energy Corporation (6 July 2023), online: <[https://static.aer.ca/prd/documents/decisions/regulatory-appeal-decisions/1942595\\_20230706.pdf](https://static.aer.ca/prd/documents/decisions/regulatory-appeal-decisions/1942595_20230706.pdf)>; see also AER Decision allowing Request for Regulatory Appeal No. 1942585 re Pine Cliff Energy Ltd. (18 April 2023), online: <[https://static.aer.ca/prd/documents/applications/hearings/1942585\\_20230418.pdf](https://static.aer.ca/prd/documents/applications/hearings/1942585_20230418.pdf)> .

August 8, 2025  
Page 4

2. grant its request for regulatory appeal of the Decision and vary the Decision to approve the transfer without the requirement for AlphaBow to pay security.

Thank you for your consideration. Please contact us if you have any questions.

Yours truly,

**BENNETT JONES LLP**

*Keely Cameron*  
Keely Cameron



**Bennett Jones**

Bennett Jones LLP

4500 Bankers Hall East, 855 - 2nd Street SW

Calgary, Alberta, Canada T2P 4K7

Tel: 403.298.3100 Fax: 403.265.7219

**Keely Cameron****Partner**

Direct Line: 403.298.3324

e-mail: cameronk@bennettjones.com

July 14, 2025

**Via E-Mail (Directive067@aer.ca; Insolvency@aer.ca)**

Alberta Energy Regulator  
Suite 1000  
259 0 5th St SW  
Calgary, AB T2P 0R4

Dear Sir/Madam:

**Re: Conditional Approval Decision – License Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd. (Application No. 1957129)**

We are counsel for AlphaBow Energy Ltd. ("**AlphaBow**") with respect to the above referenced matter. We are writing to respectfully request that the AER rescind its conditional approval decision and schedule a meeting with AlphaBow and the Monitor as soon as possible.

**Background**

On March 30, 2023, the Alberta Energy Regulator ("**AER**") directed AlphaBow to amongst other things post \$15,374,050 in security, when it was unable to do so, on June 5, 2023, the AER ordered AlphaBow to suspend all of its assets and in September of 2023 directed that the Orphan Well Association to assume care and custody over all of AlphaBow's licensed assets.

On March 28, 2024, AlphaBow filed a Notice of Intention to Make a Proposal pursuant to section 50.4 of the *Bankruptcy and Insolvency Act* and on April 26, 2024 converted its proceedings to those under the *Companies' Creditors Arrangement Act*. On April 26, 2024, AlphaBow also obtained court approval of a sale and investment solicitation process which was overseen by Sayer Energy Advisors. The result of the process was that purchasers were found for all of AlphaBow's assets. The bids received were discussed with the AER on August 21, 2024 and at the request of the AER, AlphaBow sought to have the majority of the transactions approved at the same time, on December 19, 2024 as we had understood that the AER would be taking a holistic approach to its review.

To date, the AER has approved license transfer applications involving the following entities North40 Resources Ltd., Signalta Resources Limited, Resistance Energy Ltd., Ember Resources Inc., Tykewest Limited, Lucky Strike Energy Ltd. and Response Energy Corporation. The most recent approval being

July 14, 2025

Page 2

on June 18, 2025. The AER did not request security from AlphaBow in respect of any of these transactions.

The transfer application with Cascade Capture Ltd. is one of four outstanding transactions involving AlphaBow. Transfer of the licenses on acceptable terms is a condition for two of the transactions, which include a corporate sale of AlphaBow which would enable all of AlphaBow's assets to be removed from the Orphan Well Association, funds from AlphaBow's sales process to be distributed to the AER and municipalities and provide for a solvent party that could bring the assets into compliance and produce the assets for the benefit of Albertans. The AER has throughout its proceedings prioritized these transactions based on the consistent feedback from the AER that it wanted AlphaBow to address all of its liabilities.

I had been in communications with Ms. Lavelle regarding these transactions on June 24, 2025 and had requested a meeting with the AER to discuss concerns raised for the first time in response to AlphaBow's July 7, 2025 application which sought to enable AlphaBow to advance the corporate transaction earlier so that AlphaBow could proceed with the distribution of proceeds in the estate. As recently as July 10, 2025, we had understood that the AER was still considering the request for a meeting.

### **Concerns with the Decision**

We have numerous concerns with the decision, including:

- the decision was made prior to a meeting or other opportunity being afforded by AlphaBow or Cascade Capture Ltd. to respond to the AER's concerns with the transfers;
- it disregards that AlphaBow is insolvent and that the purpose of the transfer applications being advanced by AlphaBow is to move assets out of the Orphan Well Association;
- it seeks to penalize AlphaBow for its "inactive liability" which is as a direct result of the AER directing that the assets be suspended and does not reflect the value of the assets;
- despite having pushed for AlphaBow to pursue court approval of the majority of transactions together which caused delay and impeded some of the transactions, it appears that the AER has not taken a holistic approach to reviewing the transfer applications or considering the "risk" posed despite AlphaBow's legitimate expectations to the contrary;
- the decision seeks even more security than it had sought prior to AlphaBow's insolvency proceedings despite AlphaBow now having less liability;
- the AER once again seeks security in an amount that it knows AlphaBow does not have;
- the decision jeopardizes the transaction through treating this purchaser differently and seeking to require the purchaser who is already assuming assets that have not operated or been maintained to divert significant funds that it may never get back



July 14, 2025

Page 3

- it seeks to penalize the purchasers who were willing to ensure that none of AlphaBow's assets stay with the Orphan Well Association, when it did not require security to be posted in respect of the purchasers or transfer applications that only involved select assets;
- it appears inconsistent with the AER's purported goal of protecting the orphan fund given that a substantial sales process has already been run and there is no evidence that a better offer would be available;
- it found Cascade Capture Ltd. to have high financial distress when it is a startup and there is no evidence of any distress, it has not commenced operations yet, it has only incurred costs associated with its attempts to acquire assets from AlphaBow;
- it considers outstanding operational issues which are currently under the purview of the Orphan Well Association and appear not to have been addressed despite their obligations to provide care and custody. This supports why the assets should be transferred and the reality that any assumption of distressed assets will require time and resources to address. Such efforts will be impeded by any security request; and
- Given AER amendments to section 103 of the *Oil and Gas Conservation Act* which designate security requests as a debt, it is unclear the ability of the AER to seek to enforce this debt obligation in respect of AlphaBow which would take funds away that would otherwise be distributed to municipalities.

The decision is inconsistent with how the AER treats transfers where the assets are with the orphan fund and risks \$205,518,226 of liabilities remaining with the Orphan Well Association and its inventory doubling. Further it creates a bad precedent which will risk the creation of more zombie companies whereby insolvencies and sales processes are not pursued as the assumption of assets from insolvencies is uneconomic.

We kindly request a response by July 18, 2025 and a meeting with the AER as soon as possible so that it can determine whether the outstanding transactions can proceed and failing which next steps regarding its insolvency process. Further, we kindly request details of the operational concerns noted in the letter to Cascade Capture Ltd.

Yours truly,

  
Keely Cameron

cc: Jeffrey Oliver - Counsel for KSV Restructuring Inc.  
Maria Lavelle - Counsel for Alberta Energy Regulator  
David Mann - Counsel for 2628071 Alberta Ltd. and 2628069 Alberta Ltd.



## Calgary Head Office

📍 Suite 1000, 250 – 5 Street SW  
Calgary, Alberta T2P 0R4

tel 403-297-8311

[aer.ca](http://aer.ca)

**Application No. 1957129**

July 10, 2025

By email only

Jan Zhao

**AlphaBow Energy Ltd. (BA Code A7H2)**

### **Licence Transfer from AlphaBow Energy Ltd. to Cascade Capture Ltd. Conditional Approval Decision**

**Dear Jan Zhao,**

The Alberta Energy Regulator (AER) received the subject licence transfer application from AlphaBow Energy Ltd. (AlphaBow) to Cascade Capture Ltd. (Cascade) on March 4, 2025, and has now completed its review.

Licence transfer applications are considered in accordance with the requirements of *Directive 088: Licensee Life-Cycle Management (Directive 088)*, section 6, and supplemental guidance within *Manual 23: Licensee Life-Cycle Management (Manual 23)*. The AER conducts a holistic licensee assessment of both applicants to determine whether either one poses any unreasonable risk as a result of the transfer.

The following elements were considered in the AER's review of the subject application:

- The type and status of inventory included in the application.
- The remaining inventory AlphaBow would hold post-transfer, including \$205,518,226.00 in inactive liability.
- AlphaBow's high level of financial distress according to its LCA.
- The financial risk presented by AlphaBow, as it pertains to its ability to address its remaining closure obligations.

*Data referenced on the above list was in effect as of June 16, 2025. Any changes to this data between then and the date of this decision were not considered.*

### The AER has decided to approve the subject application with the following conditions

- 1) AlphaBow Energy Ltd. must pay security in the amount of \$20,551,822.60, due 30 calendar days from acceptance of this condition.
- 2) AlphaBow Energy Ltd. must submit an updated complete financial summary (*Directive 067* Schedule 3) through OneStop, for the year ending December 31, 2024, due 30 calendar days from acceptance of this condition.

Security was calculated based on 10% of the remaining inactive liability AlphaBow would hold post-transfer. Security calculation is in-line with how security was calculated in [AER Order 202303-58](#), and includes the additional inactive liability AlphaBow has accumulated since March 2023. Application decisions are final and the amount of security that has been calculated as a condition of this approval will not be negotiated or adjusted. Information regarding security deposits and refunds can be found in [Directive 068: Security Deposits](#).

If AlphaBow accepts the conditions, please sign<sup>1</sup> and date the section below and return a completed copy of this letter to [Directive088Transfers@ aer.ca](mailto:Directive088Transfers@ aer.ca) by July 17, 2025.

Cascade has also been issued a conditional approval decision under separate cover and notified that a conditional approval has been issued to AlphaBow. Security or payment amounts within a conditional approval are only disclosed to the party being conditioned.

AlphaBow and Cascade must each fulfill all conditions required within their conditional approval decision before the transfer will be finalized and a formal licence transfer approval document is issued.

Please notify [Directive088Transfers@ aer.ca](mailto:Directive088Transfers@ aer.ca) once AlphaBow has sent payment of the security deposit.

If AlphaBow or Cascade do not agree to the conditions or do not respond to their conditional approval letters by the respective deadlines, the application will be closed. If the application gets closed, AlphaBow and Cascade can resubmit a transfer application at any time.

Regardless of the terms of a sale agreement between parties, the responsibilities and obligations to the AER would remain with AlphaBow as licensee of record.

AlphaBow may file a request for a regulatory appeal against an appealable AER decision if it meets the criteria within section 36 of the *Responsible Energy Development Act*. Filing instructions and forms can be found on the AER's [Regulatory Appeal Process](#) webpage.

---

<sup>1</sup> Acceptance of conditions must be executed by an individual with an ability to bind the entity.

If AlphaBow has any questions, please reach out to [Directive088Transfers@aer.ca](mailto:Directive088Transfers@ aer.ca).

**Sincerely,**



**Trevor Gosselin, MDS**

Director, Transfers, SOC & Support

Regulatory Applications

/ma

Enclosure (1): Security Deposit Submission Form

---

Accepted and agreed to on \_\_\_\_\_.

Month, Day, Year

---

Signature

---

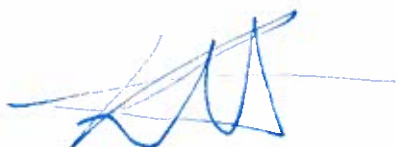
Print Name

---

Title

**ALPHABOW ENERGY LTD.**

This is Exhibit "K" referred to in the Affidavit of Trevor Gosselin affirmed before me this 18th day of September, 2025



---

A COMMISSIONER FOR OATHS IN AND FOR  
ALBERTA

**KRISTA GIBSON**  
**BARRISTER & SOLICITOR**





**CASCADE CAPTURE LTD.**

July 17, 2025

**BY EMAIL ONLY**

Alberta Energy Regulator  
Suite 1000, 250 - 5 Street SW  
Calgary, Alberta T2P 0R4

**Attention: Trevor Gosselin, Director, Transfers, SOC & Support, Regulatory Applications**

**RE: Application No. 1957129 – Withdrawal of Licence Transfer Application**

Dear Mr. Gosselin,

Please be advised that Cascade Capture Ltd. ("Cascade") hereby withdraws the subject licence transfer application (Application No. 1957129), effective immediately.

As the successful bidder pursuant to a public bid process, Cascade (as nominee for 2628069 Alberta Ltd.) entered into an Asset Purchase Agreement with AlphaBow Energy Ltd. (Alphabow) dated December 9, 2024. Cascade's bid was structured based on a combination of cash, the assumption of specified liabilities, and significant capital commitments.

At the time of our bid, Cascade's understanding was that the total deemed liability for the assets to be transferred was approximately \$19,550,778. However, the deemed liability value has since been revised upward by the Alberta Energy Regulator to \$27,432,859. This nearly \$8 million increase in liability represents a material change to the fundamental terms of the transaction and is tantamount to a significant increase in the purchase price that Cascade had agreed to.

Furthermore, we wish to affirm that Cascade is fully prepared to address the specific operational and compliance items identified in your letter, including the overdue

packer tests, outstanding inspections, and pipeline status verifications. In reviewing these items, we note that the holistic risk assessment may be referencing an incomplete record. Your letter identifies well licence W0095608 (08-24-042-26W4M) as having a serious surface casing vent flow (SCVF). Unless this is a concern identified since the March 30, 2023 AER Reasonable Care and Measures (RCAM) Order to Alphabow, our due diligence indicates that the issue was successfully remediated in January 2023 (refer to attached documentation). Alphabow has indicated to Cascade that correspondence with the compliance group has recently occurred on this matter.

For the primary reason of the material change in deemed liability, Cascade is withdrawing its application at this time.

It is our full intention to re-engage with the AER in the near future. Cascade will be submitting a new application for the licence transfers and will provide updated financial information at that time. We are confident this information will be sufficient to demonstrate that Cascade is not a financially distressed company, as was suggested in your conditional approval letter of July 10, 2025.

We trust this notice is sufficient to formally close the current application.

Sincerely,

Sincerely,



**Kevin Gunning** Chief Operating Officer  
Cascade Capture Ltd.  
kgunning@casadecapture.com  
403-998-4444

Attachments:

1. 100-08-24-042-26W4-02 DH ABD.pdf

COURT FILE NUMBER **2401-05179**

COURT **COURT OF KING'S BENCH OF ALBERTA**

JUDICIAL CENTRE **CALGARY**

PROCEEDING **IN THE MATTER OF THE COMPANIES' CREDITORS' ARRANGEMENT ACT, RSC 1985, c. C-36, as amended**

**AND IN THE MATTER OF THE COMPROMISE OR ARRANGEMENT OF ALPHABOW ENERGY LTD.**

DOCUMENT **ELEVENTH REPORT OF THE MONITOR**

**SEPTEMBER 18, 2025**

ADDRESS FOR  
SERVICE AND  
CONTACT  
INFORMATION OF  
PARTY FILING THIS  
DOCUMENT

**MONITOR**

KSV Restructuring Inc.  
324-8<sup>th</sup> Avenue SW, Suite 1165  
Calgary, AB  
T2P 2Z2

Attention: Andrew Basi/Ross Graham  
Telephone: (587) 287-2670/(587) 287-2750  
Facsimile: (416) 932-6266  
Email: [abasi@ksvadvisory.com](mailto:abasi@ksvadvisory.com)  
[rgraham@ksvadvisory.com](mailto:rgraham@ksvadvisory.com)

**MONITOR'S COUNSEL**

Cassels Brock & Blackwell LLP  
888 3<sup>rd</sup> Street SW, Suite 3810  
Calgary, AB  
T2P 5C5

Attention: Jeffrey Oliver  
Telephone: (403) 351-2921  
E-Mail: [joliver@cassels.com](mailto:joliver@cassels.com)



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## 1.0 Introduction

1. On March 28, 2024 (the “**Filing Date**”), Alphabow Energy Ltd. (“**Alphabow**”, the “**Company**”, or the “**Applicant**”) filed a Notice of Intention to Make a Proposal (“**NOI**”), pursuant to Section 50.4(1) of the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the “**BIA**”) (the “**NOI Proceeding**”). KSV Restructuring Inc. (“**KSV**”) consented to act as proposal trustee (the “**Proposal Trustee**”) in the NOI Proceeding.
2. On April 26, 2024, the Applicant sought and obtained an initial order (the “**Initial Order**”) from the Court of Kings’ Bench of Alberta (the “**Court**”) granting, among other things, a continuation of the NOI Proceedings under the *Companies’ Creditors Arrangement Act*, R.S.C. 1985, c C-36, as amended (the “**CCAA**”) (the “**CCAA Proceeding**”). This report (the “**Eleventh Report**”) is filed by KSV in its capacity as monitor (the “**Monitor**”) in the CCAA Proceeding.
3. The Initial Order granted, among other things, the following relief within the CCAA Proceeding:
  - a) declaring the NOI Proceeding previously filed by the Applicant is taken up and continued under the CCAA, pursuant to section 11.6(a) of the CCAA;
  - b) terminating the NOI Proceeding;
  - c) granting a stay of all proceedings, rights, and remedies against or in respect of the Applicant until May 6, 2024 (the “**Stay Period**”); and
  - d) granting a charge to not exceed \$100,000 as security for the fees and disbursements of the Monitor, the Monitor’s counsel, Cassels Brock & Blackwell LLP (“**Cassels**”), and the Applicant’s counsel, Bennett Jones LLP (“**Bennett Jones**”) (the “**Administration Charge**”), against the Applicant’s current and future assets, undertakings and properties of every nature and kind whatsoever (including all real and personal property), and wherever situated, including all proceeds thereof (collectively the “**Property**”).
4. Further on April 26, 2024, the Court granted the Applicant’s application for an amended Initial Order (the “**Amended and Restated Initial Order**”) which included, amongst other matters, the following relief:

- a) extending the Stay Period to, and including, July 31, 2024; and
  - b) increasing the quantum of the Administration Charge to \$500,000.
- 5. In addition, on April 26, 2024, the Court granted the Applicant's application for a sale and investment solicitation process order (the "**SISP Order**") which includes, amongst other matters, the following relief:
  - a) approval of a sale and investment solicitation process ("**SISP**"); and
  - b) authorizing the Monitor and Sayer Energy Advisors (the "**Sales Advisor**") to conduct the SISP and approving the engagement agreement between the Applicant and the Sales Advisor.
- 6. Finally, on April 26, 2024, the Court approved the Applicant's application for a sale approval and vesting order approving the sale transaction (the "**Cascade Transaction**") pursuant to the purchase and sale agreement dated April 15, 2024, between Alphabow and Cascade Capture Ltd. The Cascade Transaction subsequently closed on May 8, 2024.
- 7. On July 23, 2024, the Court granted an extension to the Stay Period to August 31, 2024. The Stay Period was then subsequently extended to September 30, 2024, by an order issued by this Court on August 27, 2024.
- 8. On September 20, 2024, the Court granted Alphabow's applications for:
  - a) a sale approval and vesting order approving a sale transaction (the "**Cenovus Transaction**") pursuant to the purchase and sale agreement dated September 4, 2024, between Alphabow and Cenovus Energy Inc. The Cenovus Transaction subsequently closed on October 2, 2024;
  - b) an order (the "**Claims Process Order**") authorizing Alphabow to undertake a claims process for the purpose of ascertaining the quantum of cure costs associated with certain assets included as part of the SISP (the "**Claims Process**"); and
  - c) an order, which amongst other things, extended the Stay Period to, and including, October 31, 2024.

9. On November 4, 2024, the Court granted Alphabow's applications for multiple sale approval and vesting orders approving several transactions pursuant to purchase and sale agreements between Alphabow and various parties (the "**November 4<sup>th</sup> Transactions**"). All of the November 4<sup>th</sup> Transactions have now closed. Further on November 4, 2024, the Court granted Alphabow's application for an Order, which amongst other things, extended the Stay Period to, and including, November 29, 2024.
10. On November 5, 2024, on application by the Company, the Court declared that two royalty agreements (the "**Advance GORR**") between Alphabow and Advance Drilling Ltd. ("**Advance**") did not create an interest in land and will be vested off as part of the sale of Alphabow's assets.
11. On November 21, 2024, the Court granted Alphabow's applications for multiple sale approval and vesting orders approving several transactions pursuant to purchase and sale agreements entered into between Alphabow and various parties (the "**November 21<sup>st</sup> Transactions**"). All of the November 21<sup>st</sup> Transactions have since closed or have been abandoned. Further on November 21, 2024, the Court granted Alphabow's application for an Order, which amongst other things, extended the Stay Period to, and including, December 31, 2024.
12. On December 19, 2024, the Court granted Alphabow's applications for multiple sale approval and vesting orders approving several transactions pursuant to purchase and sale agreements between Alphabow and various parties including:
  - i. North 40 Resources Ltd. ("**North40**");
  - ii. 2628071 Alberta Ltd. ("**071 AB**"); and
  - iii. 2628069 Alberta Ltd. ("**069 AB**") (the "**069 AB Transaction**").
13. The North 40 sale approval and vesting order was amended and restated on January 21, 2025, to reflect amendments to Schedule "F" of the sales agreement between Alphabow and North 40. Such amendments corrected omissions in the schedule of registrations to be transferred.
14. Also on December 19, 2024, the Court granted Alphabow's applications for:



- a) an approval and reverse vesting order (the “**RVO**”), approving, among other things, the transaction (the “**Corporate Transaction**”) for the transfer of all the common shares of Alphabow to 071 AB pursuant to an Amended and Restated Subscription Agreement dated December 16, 2024 (the “**Subscription Agreement**”); and
  - b) an order, which amongst other things, extended the Stay Period to, and including, February 14, 2025 (the “**December Stay Extension Order**”) and required Alphabow to pay to the Monitor from the proceeds of transactions contemplated in paragraph 4 of the Seventh Li Affidavit a holdback amount of \$3 million from net proceeds from the transactions to satisfy the pre and post filing amounts claimed by the Orphan Well Association (“**OWA**”) for the provision of reasonable care and measures costs (“**RCAM Amounts**”). The provision in the December Stay Extension Order related to RCAM Amounts was without prejudice to the ability of the Municipalities to advance opposition to the payment of pre-filing amounts at the application scheduled on January 8, 2025.
15. On January 8, 2025, the Court granted Alphabow’s application for an Order amending the December Stay Extension Order, reducing the RCAM Amounts from \$3.0 million to \$1.9 million. This amount was held in the interim in the Monitor’s trust account and continues to be used to fund ongoing RCAM Amounts as they are incurred.
16. On February 4, 2025, the Court granted Alphabow’s application for an Order extending the Stay Period to, and including, May 9, 2025.
17. On February 25, 2025, the Court granted Alphabow’s application for:
- a) a sale approval and vesting order approving a sale transaction pursuant to a purchase and sale agreement between Alphabow and 2661707 Alberta Ltd. (“**707 AB**”) dated February 18, 2025 (the “**707 AB Transaction**”);
  - b) a sale approval and vesting order approving a sale transaction pursuant to a purchase and sale agreement between Alphabow and Response Energy Corporation dated February 14, 2025 (the “**Response Transaction**”); and
  - c) an Order assigning Alphabow’s interest in an agreement dated February 3, 1978, between Hudson’s Bay Oil and Gas Company Limited and Westcoast Petroleum Ltd. to Signalta.

18. On May 8, 2025, the Court granted Alphabow's application for an extension of the Stay Period to, and including, September 30, 2025.
19. On June 26, 2025, the Court granted an Order, which authorized certain amendments to the purchase and sale agreements between Alphabow and 071 AB, 069 AB, and 707 AB.

## 1.1 Purposes of this Eleventh Report

1. This Eleventh Report is intended to provide the Court with further information related to the relief sought by the Company in its application scheduled for hearing on September 22, 2025. This Eleventh Report specifically provides information regarding:
  - a) the Monitor's activities since the Monitor's tenth report dated June 19, 2025 (the "**Tenth Report**");
  - b) the Company's activities since the Tenth Report;
  - c) the Monitor's comments and report on the Company's actual performance to date versus the tenth cash flow forecast for the period from April 28, 2025 to September 14, 2025 (the "**Tenth Cash Flow Statement**");
  - d) the Monitor's comments and report on the Company's cash flow statement for the period commencing on September 15, 2025 and ending March 31, 2026 (the "**Eleventh Cash Flow Statement**");
  - e) an update on the SISP;
  - f) an update on Alphabow's application for an Order, which among other things, declares that the agreement with MEGlobal Canada ULC ("**MEGlobal**"), dated December 1, 2004 (the "**CO2 Agreement**"), shall be retained free and clear of any liabilities, claims and encumbrances other than the retained liabilities defined within the Subscription Agreement;
  - g) Alphabow's application for an Order, which among other things:
    - i. extends the Stay Period to, and including March 31, 2026 (the "**Stay Extension**"); and

- ii. declares that any request by the Alberta Energy Regulator (the “**AER**”) for a security deposit from Alphabow is stayed and cannot be relied upon for the purpose of denying a license transfer application in respect of the 069 AB Transaction; and
- h) the Monitor’s comments and recommendations.

## 1.2 Scope and Terms of Reference

1. In preparing this Eleventh Report, the Monitor has relied upon the Applicant’s unaudited financial information, books and records, information available in the public domain and discussions with the Applicant’s management and legal counsel.
2. The Monitor has not audited or otherwise attempted to verify the accuracy or completeness of the financial information relied on to prepare this Eleventh Report in a manner that complies with Canadian Auditing Standards (“**CAS**”) pursuant to the Chartered Professional Accountants of Canada Handbook and, accordingly, the Monitor expresses no opinion or other form of assurance contemplated under the CAS in respect of such information. Any party wishing to place reliance on the financial information should perform its own due diligence.
3. An examination of the Eleventh Cash Flow Statement as outlined in the Chartered Professional Accountants of Canada Handbook has not been performed. Future-oriented financial information relied upon in this Eleventh Report is based upon the Applicant’s assumptions regarding future events; actual results achieved may vary from this information, and these variations may be material. The Monitor does not express any opinion or other form of assurance on whether the Eleventh Cash Flow Statement will be achieved.

4. This Eleventh Report should be read in conjunction with the materials filed by the Applicant, including the First Li Affidavit, sworn April 15, 2024, the Supplement to the First Li Affidavit, sworn April 24, 2024, the Second Li Affidavit, sworn July 15, 2024, the Third Li Affidavit, sworn August 15, 2024, the Fourth Li Affidavit, sworn September 9, 2024, the Fifth Li Affidavit, sworn October 21, 2024, the Sixth Li Affidavit, sworn November 12, 2024, the Supplement to the Sixth Li Affidavit, sworn November 18, 2024, the Seventh Li Affidavit, sworn December 9, 2024, the Supplement to the Seventh Li Affidavit, sworn December 16, 2024, the Eighth Li Affidavit, sworn January 27, 2025, the Ninth Li Affidavit, sworn February 18, 2025, the Supplement to the Ninth Li Affidavit, sworn February 20, 2025, the Tenth Li Affidavit, sworn April 28, 2025, the Eleventh Li Affidavit, sworn June 17, 2025, the Twelfth Li Affidavit, sworn September 15, 2025 and any supplement affidavit(s) filed by the Applicant prior to the upcoming hearings (the “**Li Affidavits**”). Capitalized terms not defined in this Eleventh Report have the meanings ascribed to them in the Li Affidavits.

### 1.3 Currency

1. Unless otherwise noted, all currency references in this Eleventh Report are in Canadian dollars.

### 1.4 Court Materials

1. Court materials filed in these proceedings are made available by KSV on its case website at [www.ksvadvisory.com/experience/case/alphabow](http://www.ksvadvisory.com/experience/case/alphabow) (the “**Case Website**”).

## 2.0 Update on the Sale and Investment Solicitation Process (SISP) <sup>1</sup>

1. As more fully described in the Monitor’s previous reports, Alphabow’s SISP has resulted in multiple transactions that have been approved by the Court. As of the date of this Eleventh Report, the following transactions have not closed:

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<sup>1</sup> Capitalized terms in this section have the meaning provided to them in the SISP, unless otherwise defined herein.

- a) **069 AB and 071 AB Transactions** – have not yet closed. While license eligibility has been obtained, the 069 AB transfer application was withdrawn and the 071 AB transfer application remains outstanding. On July 10, 2025, Alphabow was informed by the AER that its license transfer application for the 069 AB Transaction was approved on the condition that Alphabow post a security deposit with the AER in the amount of approximately \$20.5 million (the “**Conditional Approval Decision**”). Alphabow’s subsequent request for a regulatory appeal of the security deposit condition in the Conditional Approval Decision was declared invalid by the AER. Accordingly, the Applicant is seeking this Court declare that the requirement for the security deposit as a condition of any transfer application is stayed. As noted above, 069 AB has withdrawn its license transfer request. The Monitor understands that 069 AB will determine its next steps regarding the license transfer application once 069 AB better understands the outcome of 071 AB’s license transfer application.

The Monitor takes no position in respect of the relief sought by the Applicant, however notes the following circumstances for the Court:

- i. Alphabow is insolvent and does not have the financial means to post in full the security deposit requested by the AER;
  - ii. the requirement for Alphabow to post a security deposit, coupled with Alphabow’s inability to do so, prevents the Court approved transactions with 069 AB and 071 AB from closing;
  - iii. closing the transactions with 069 AB and 071 AB remains a paramount priority in these proceedings as it will result in the substantial completion of Alphabow’s restructuring, the completion of which provides significant benefits to the Company’s stakeholders;
  - iv. the security deposit condition risks leaving unaddressed approximately \$205 million of reclamation liabilities and may result in requiring the Applicant to remarket its remaining assets, which process may be impacted should the AER continue to request a material security deposit as a condition of any other transfer application; and
  - v. to date the AER has not required Alphabow to post a security deposit for any other transaction completed in these proceedings.
- b) **The Corporate Transaction** - has not yet closed, as the 069 AB and 071 AB transactions have not closed pending the transfer application matters.

- c) **707 AB Transaction** – has not yet closed as the transfer application associated with the transaction is pending approval from the AER.

### 3.0 Subscription Agreement Amendments

1. On September 10, 2025, the Court heard Alphabow's application which sought approval of several amendments to the Subscription Agreement that, among other things, seek to include the CO2 Agreement entered into with MEGlobal as a retained contract without satisfying certain cure costs (the "**MEGlobal Application**").
2. As discussed in the Tenth Report, the Monitor understands the CO2 Agreement relates to the provision of CO2 by MEGlobal to Alphabow's Prentiss CO2 facility, which is a key asset to 071 Alberta. MEGlobal is a creditor of the Company and has filed a proof of claim reflecting cure costs it states are owed as a result of the Company's inability to fulfill its contractual obligations under the CO2 Agreement due to the suspension of its assets at the direction of the AER (notice of which was provided to MEGlobal at the time of the suspension). Accordingly, the Company disputed these cure costs are properly owing.
3. The Monitor has not completed its full review of the claim filed by MEGlobal as it may ultimately be unnecessary to admit the cure cost claim if the Court rules in favour of Alphabow. If the Court does determine that cure costs are payable, the Monitor will complete its review of the MEGlobal proof of claim and it is expected that the Monitor will require additional and updated information to support the amount claimed by MEGlobal.
4. Justice Johnston has reserved her decision in respect of the MEGlobal Application and at the date of this Eleventh Report no decision has been released.

### 4.0 Other matters

#### 4.1 Activities of the Monitor

1. Since the Tenth Report, the Monitor has performed the following key activities:
  - a) continued administration of the Claims Process and addressed various questions raised by creditors;
  - b) monitored the Company's performance against the Tenth Cash Flow Statement;

- c) assisted the Company in its preparation of the Eleventh Cash Flow Statement;
- d) assisting the Company in taking steps to confirm and extend adequate insurance coverage;
- e) ongoing dialogue with the OWA with respect to care and custody of Alphabow sites;
- f) responded to stakeholder inquiries;
- g) reviewed the Conditional Approval Decision and corresponded with the Company and Bennett Jones regarding same;
- h) corresponded with Bennett Jones, Cassels, 069 AB, 071 AB and MEGlobal in connection with the MEGlobal Application and the Monitor's review of MEGlobal's proof of claim;
- i) attended ongoing meetings with the Applicant, Cassels and Bennett Jones to discuss the transactions, AER matters, MEG Global Application and the Claims Process;
- j) maintained the Case Website; and
- k) prepared this Eleventh Report.

## **4.2 Activities of the Company**

1. Since the Tenth Report, the Monitor has observed the Company continue to perform the following key activities:
  - a) responded to inquiries from stakeholders;
  - b) regularly corresponded with Bennett Jones and the Monitor;
  - c) reported the Company's performance against the Tenth Cash Flow Statement;
  - d) prepared the Eleventh Cash Flow Statement;



- e) worked with the OWA to address any site issues. The Monitor understands that the OWA is reducing its inspection frequency on the Alphabow sites as of August 25, 2025. The Company is currently assessing the impact of this change and having discussions with purchasers for transactions that have not closed to determine the appropriate next steps to take in response to the changes in inspection frequency;
- f) took steps to confirm and extend adequate insurance coverage;
- g) with assistance from Bennett Jones, reviewed the Conditional Approval Decision and corresponded with the AER regarding same;
- h) attended ongoing meetings with the Monitor, Cassels and Bennett Jones to discuss the SISP and the Claims Process; and
- i) worked with its legal counsel and the Monitor to prepare materials for the application to be heard on September 22, 2025.

## 5.0 Cash Flow Statement

1. At the time of the ninth report of the Monitor dated May 2, 2025, the Applicant, with assistance from the Monitor, prepared the Tenth Cash Flow Statement. The Tenth Cash Flow Statement and the Applicant's statutory report pursuant to section 10(20)(b) of the CCAA is attached hereto as **Appendix "A"**.

### 5.1 Performance Against the Tenth Cash Flow Statement

1. The Monitor has continued to review and evaluate the state of the Applicant's business and financial affairs since the Tenth Report.
2. A review process was established with the Company to review weekly cash variances. A comparison of the Applicant's actual receipts and disbursements to the Tenth Cash Flow Statement for the period from April 28, 2025 and ending September 14, 2025 (the "**Post Filing Reporting Period**") is as follows:

Post Filing Reporting Period (\$CAD)	Actual	Tenth Cash Flow Statements	Favourable / (Unfavourable) Variance
Opening Cash Balances <sup>1</sup>	13,682,448	13,682,000	448
Receipts	45,906	-	45,906
Disbursements	(1,409,740)	(1,125,000)	(284,740)
Net Cash Flow	(1,363,834)	(1,125,000)	(238,834)
Closing cash balance	12,318,614	12,557,000	

<sup>1</sup> Includes approximately \$1.9 million of funds held by the Monitor as of September 15, 2025.

### Monitor's Comments

1. For the Post Filing Reporting Period, the Company's actual cash balances were lower than forecasted as a result of the Company catching up on certain outstanding professional fees and satisfying certain excise tax obligations owed for the post-filing period and discussed in the Tenth Report.
2. The Applicant has remained current in respect of its obligations that have arisen since the Filing Date except for certain amounts related to certain accruing obligations, including certain post-filing amounts that include property tax, mineral and surface lease costs and other contractual accruing costs for services that are currently not being used by the Company.

## **5.2 The Eleventh Cash Flow Statement**

1. The Applicant prepared the Eleventh Cash Flow Statement, which is largely consistent with the Tenth Cash Flow Statement except for the period covered and revisions on the timing of certain payments.
2. The Eleventh Cash Flow Statement and the Applicant's statutory report on the cash flow pursuant to Section 10(2)(b) of the CCAA is attached as **Appendix "B"**.
3. The Eleventh Cash Flow Statement reflects that the Applicant has sufficient liquidity for the duration of the Stay Period based on the listed assumptions.
4. Based on the Monitor's review of the Eleventh Cash Flow Statement, the assumptions contained therein appear reasonable. The Monitor's statutory report on the Eleventh Cash Flow Statement is attached as **Appendix "C"**.

## 6.0 Company's Request for a Stay Extension

1. The Stay of Proceedings currently expires on September 30, 2025. The Applicant is requesting an extension of the Stay of Proceedings until March 31, 2026 to allow further time for Alphabow to close all of the Court approved transactions that are subject to the AER license transfer applications or remarket the Company's assets if necessary.
2. The Monitor supports the request for the extension of the Stay Period and believes that it is appropriate in the circumstances for the following reasons:
  - a) the Applicant is acting, and continues to act, in good faith and with due diligence;
  - b) the Monitor does not believe that any creditor will be materially prejudiced by the requested extension of the Stay Period;
  - c) it will provide the Applicant with the additional time required to close the Subscription Agreement or remarket the Company's remaining assets if necessary;
  - d) as of the date of this Eleventh Report, neither the Applicant nor the Monitor is aware of any party opposed to an extension of the Stay Period; and
  - e) the Eleventh Cash Flow Forecast reflects that the Applicants are projected to have sufficient liquidity to fund their operations and the costs of these CCAA proceedings during the proposed extension of the Stay Period.

## 7.0 Conclusion and Recommendation

1. Based on the foregoing, the Monitor respectfully recommends that this Honourable Court grant the stay extension sought by the Applicant. The Monitor is not taking a position on the relief sought by the Applicants with respect to the Court declaring that any request by the AER for security deposit from AlphaBow is stayed and cannot be relied upon for the purpose of denying a license transfer application in respect to the 069 AB Transaction.

\* \* \*

All of which is respectfully submitted,

A handwritten signature in blue ink that reads "KSV Restructuring Inc.".

**KSV RESTRUCTURING INC.,  
in its capacity as Monitor of  
AlphaBow Energy Ltd.  
and not in its personal capacity**

## Appendix “A”

AlphaBow Energy Ltd.  
**Cash Flow Forecast**  
 April 28 to September 30, 2025  
 (Unaudited, C\$000s)

	Note	04-May-25	11-May-25	18-May-25	25-May-25	01-Jun-25	08-Jun-25	15-Jun-25	22-Jun-25	29-Jun-25	06-Jul-25	13-Jul-25	20-Jul-25	27-Jul-25	03-Aug-25	10-Aug-25	17-Aug-25	24-Aug-25	31-Aug-25	07-Sep-25	14-Sep-25	21-Sep-25	30-Sep-25	Total
Receipts	1																							
Asset sales	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Receipts		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disbursements																								
Care and Custody Costs	3	85	-	-	-	85	-	-	-	-	85	-	-	-	85	-	-	-	-	85	-	-	-	425
Contractors	4	60	-	-	-	60	-	-	-	-	60	-	-	-	60	-	-	-	-	60	-	-	-	300
Storage	5	5	-	-	-	5	-	-	-	-	5	-	-	-	5	-	-	-	-	5	-	-	-	25
Total Operating disbursements		150	-	-	-	150	-	-	-	-	150	-	-	-	150	-	-	-	-	150	-	-	-	750
Net Cash Flow before the Undenoted		(150)	-	-	-	(150)	-	-	-	-	(150)	-	-	-	(150)	-	-	-	-	(150)	-	-	-	(750)
Professional Fees	6	75	-	-	-	75	-	-	-	-	75	-	-	-	75	-	-	-	-	75	-	-	-	375
Net Cash Flow		(225)	-	-	-	(225)	-	-	-	-	(225)	-	-	-	(225)	-	-	-	-	(225)	-	-	-	(1,125)
Opening Cash balance	7	13,682	13,457	13,457	13,457	13,457	13,232	13,232	13,232	13,232	13,232	13,007	13,007	13,007	13,007	12,782	12,782	12,782	12,782	12,782	12,557	12,557	12,557	13,682
Net Cash Flow		(225)	-	-	-	(225)	-	-	-	-	(225)	-	-	-	(225)	-	-	-	-	(225)	-	-	-	(1,125)
Closing cash balance		13,457	13,457	13,457	13,457	13,232	13,232	13,232	13,232	13,232	13,007	13,007	13,007	13,007	12,782	12,782	12,782	12,782	12,782	12,557	12,557	12,557	12,557	12,557

The above financial projections are based on management's assumptions detailed in Appendix "1-1".  
 The note references correspond to the assumption numbers shown in Appendix "1-1".

AlphaBow Energy Ltd.

**Notes to Projected Statement of Cash Flows**

April 28 to September 30, 2025

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**Purpose and General Assumptions**

1. The purpose of the projection is to present a forecast of the cash flow of AlphaBow Energy Ltd. (the "Applicant") for the period April 28 to September 30, 2025 (the "Period").

**Hypothetical**

2. Asset sales reflect the sale proceeds from certain asset sales as a result of the SISP and, for purposes of the sealing order, have been omitted.

**Most Probable**

3. The cash flow includes payment for the estimated monthly RCAM fees billed by the Orphan Well Association.
4. Contractor costs incurred monthly for the Applicant's personnel.
5. Reflects monthly expense for document storage.
6. Includes the estimated payments to the Applicant's legal counsel, the Monitor, and the Monitor's legal counsel.
7. Opening cash reflected as of April 28, 2025 and includes funds held in the Monitor's trust account, less any deposits which are currently subject to return to bidders.



IN THE COURT OF KING'S BENCH OF ALBERTA

IN THE MATTER OF THE *COMPANIES' CREDITORS ARRANGEMENT ACT*,  
R.S.C. 1985, c. C-36, AS AMENDED

AND IN THE MATTER OF ALPHABOW ENERGY LTD.

**MANAGEMENT'S REPORT ON THE TENTH CASH FLOW  
STATEMENT** (paragraph 23(1)(b) of the CCAA)

The management of Alphabow Energy Ltd. (the "**Applicant**") has developed the assumptions and prepared the attached statement of projected cash flow as of the 1<sup>st</sup> day of May, 2025 for the period April 28, 2025 to September 30, 2025 ("**Tenth Cash Flow Statement**"). All such assumptions are disclosed in the notes to the Tenth Cash Flow Statement.

The hypothetical assumptions are suitably supported and consistent with the purpose of the Tenth Cash Flow Statement as described in Note 1 to the Tenth Cash Flow Statement, and the probable assumptions are suitably supported and consistent with the plans of the Applicant and provide a reasonable basis for the Tenth Cash Flow Statement.

Since the Tenth Cash Flow Statement is based on assumptions regarding future events, actual results will vary from the information presented and the variations may be material.

The Tenth Cash Flow Statement has been prepared solely for the purpose outlined in Note 1 using a set of probable assumptions set out therein. Consequently, readers are cautioned that the Tenth Cash Flow Statement may not be appropriate for other purposes.

Dated at Calgary, AB this 1st day of May, 2025.

**ALPHABOW ENERGY LTD.**



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Per: Ben Li

## Appendix “B”

AlphaBow Energy Ltd.  
**Cash Flow Forecast**  
September 15, 2025 to March 31, 2026  
(Unaudited; C\$000s)

	Note	21-Sep-25	28-Sep-25	05-Oct-25	12-Oct-25	19-Oct-25	26-Oct-25	02-Nov-25	09-Nov-25	16-Nov-25	23-Nov-25	30-Nov-25	07-Dec-25	14-Dec-25	21-Dec-25	28-Dec-25	04-Jan-26	11-Jan-26	18-Jan-26	25-Jan-26	01-Feb-26	08-Feb-26	15-Feb-26	22-Feb-26	01-Mar-26	08-Mar-26	15-Mar-26	22-Mar-26	31-Mar-25	Total
	1																													
Receipts																														
Asset sales	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Receipts		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disbursements																														
Care and Custody Costs	3	-	-	85	-	-	-	259	-	-	-	-	85	-	-	-	85	-	-	-	85	-	-	-	85	-	-	-	85	769
Contractors	4	-	-	60	-	-	-	45	-	-	-	-	45	-	-	-	45	-	-	-	45	-	-	-	45	-	-	-	45	330
Storage	5	-	-	5	-	-	-	5	-	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	35
Total Operating disbursements		-	-	150	-	-	-	309	-	-	-	-	135	-	-	-	135	-	-	-	135	-	-	-	135	-	-	-	135	1,134
Net Cash Flow before the Undernoted		-	-	(150)	-	-	-	(309)	-	-	-	-	(135)	-	-	-	(135)	-	-	-	(135)	-	-	-	(135)	-	-	-	(135)	(1,134)
Professional Fees	6	-	-	75	-	-	-	75	-	-	-	-	75	-	-	-	75	-	-	-	75	-	-	-	75	-	-	-	75	525
Net Cash Flow		-	-	(225)	-	-	-	(384)	-	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	(1,659)
Opening Cash balance	7	12,319	12,319	12,319	12,094	12,094	12,094	12,094	11,710	11,710	11,710	11,710	11,710	11,500	11,500	11,500	11,500	11,290	11,290	11,290	11,290	11,080	11,080	11,080	11,080	10,870	10,870	10,870	10,870	12,319
Net Cash Flow		-	-	(225)	-	-	-	(384)	-	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	-	-	-	(210)	(1,659)
Closing cash balance		12,319	12,319	12,094	12,094	12,094	12,094	11,710	11,710	11,710	11,710	11,710	11,500	11,500	11,500	11,500	11,290	11,290	11,290	11,290	11,080	11,080	11,080	11,080	10,870	10,870	10,870	10,870	10,660	10,660

The above financial projections are based on management's assumptions detailed in Appendix "1-1".  
The note references correspond to the assumption numbers shown in Appendix "1-1".

AlphaBow Energy Ltd.

**Notes to Projected Statement of Cash Flows**

September 15, 2025 to March 31, 2026

---

**Purpose and General Assumptions**

1. The purpose of the projection is to present a forecast of the cash flow of AlphaBow Energy Ltd. (the "Applicant") for the period September 15 to March 31, 2025 (the "Period").

**Hypothetical**

2. Asset sales reflect the sale proceeds from certain asset sales as a result of the SISP and, for purposes of the sealing order, have been omitted.

**Most Probable**

3. The cash flow includes payment for the estimated monthly RCAM fees billed by the Orphan Well Association and for costs incurred to abandon certain redundant assets.
4. Contractor costs incurred monthly for the Applicant's personnel.
5. Reflects monthly expense for document storage.
6. Includes the estimated payments to the Applicant's legal counsel, the Monitor, and the Monitor's legal counsel.
7. Opening cash reflected as of September 14, 2025 and includes funds held in the Monitor's trust account.

**IN THE COURT OF KING'S BENCH OF ALBERTA**

**IN THE MATTER OF THE *COMPANIES' CREDITORS ARRANGEMENT ACT*,  
R.S.C. 1985, c. C-36, AS AMENDED**

**AND IN THE MATTER OF ALPHABOW ENERGY LTD.**

**MANAGEMENT'S REPORT ON THE ELEVENTH CASH FLOW  
STATEMENT (paragraph 23(1)(b) of the CCAA)**

The management of Alphabow Energy Ltd. (the "**Applicant**") has developed the assumptions and prepared the attached statement of projected cash flow as of the 17<sup>th</sup> day of September, 2025 for the period September 15, 2025 to March 31, 2026 ("**Eleventh Cash Flow Statement**"). All such assumptions are disclosed in the notes to the Eleventh Cash Flow Statement.

The hypothetical assumptions are suitably supported and consistent with the purpose of the Eleventh Cash Flow Statement as described in Note 1 to the Eleventh Cash Flow Statement, and the probable assumptions are suitably supported and consistent with the plans of the Applicant and provide a reasonable basis for the Eleventh Cash Flow Statement.

Since the Eleventh Cash Flow Statement is based on assumptions regarding future events, actual results will vary from the information presented and the variations may be material.

The Eleventh Cash Flow Statement has been prepared solely for the purpose outlined in Note 1 using a set of probable assumptions set out therein. Consequently, readers are cautioned that the Eleventh Cash Flow Statement may not be appropriate for other purposes.

Dated at Calgary, AB this 17<sup>th</sup> day of September, 2025.

**ALPHABOW ENERGY LTD.**

*songsong Li*

---

Per: Ben Li

## Appendix “C”

**IN THE COURT OF THE KING'S BENCH OF ALBERTA**

**IN THE MATTER OF THE *COMPANIES' CREDITORS ARRANGEMENT ACT*,  
R.S.C. 1985, c. C-36, AS AMENDED**

**AND IN THE MATTER OF ALPHABOW ENERGY LTD.**

**MONITOR'S REPORT ON THE ELEVENTH CASH FLOW  
STATEMENT (paragraph 23(1)(b) of the CCAA)**

The attached statement of projected cash flow of Alphabow Energy Ltd. (the "**Applicant**") as of the 17<sup>th</sup> day September, 2025, consisting of a weekly projected cash flow statement for the period September 15, 2025 to March 31, 2026 (the "**Eleventh Cash Flow Statement**") has been prepared by the management of the Applicant for the purpose described in Note 1, using probable and hypothetical assumptions set out in the notes to the Eleventh Cash Flow Statement.

Our review consisted of inquiries, analytical procedures and discussions related to information supplied by the management of the Applicant. We have reviewed the support provided by management for the probable and hypothetical assumptions and the preparation and presentation of the Eleventh Cash Flow Statement.

Based on our review, nothing has come to our attention that causes us to believe that, in all material respects:

- a) the hypothetical assumptions are not consistent with the purpose of the Eleventh Cash Flow Statement;
- b) as at the date of this report, the probable assumptions developed by management are not suitably supported and consistent with the plans of the Applicant or do not provide a reasonable basis for the Eleventh Cash Flow Statement, given the hypothetical assumptions; or
- c) the Eleventh Cash Flow Statement does not reflect the probable and hypothetical assumptions.

Since the Eleventh Cash Flow Statement is based on assumptions regarding future events, actual results will vary from the information presented, and the variations may be material. Accordingly, we express no assurance as to whether the Eleventh Cash Flow Statement will be achieved. We express no opinion or other form of assurance with respect to the accuracy of any financial information presented in this report, or relied upon in preparing this report.

The Eleventh Cash Flow Statement has been prepared solely for the purpose described in Note 1 and readers are cautioned that it may not be appropriate for other purposes.



Dated at Calgary, AB this 17<sup>th</sup> day of September, 2025.

*KSV Restructuring Inc.*

**KSV RESTRUCTURING INC.,**  
solely in its capacity as the proposed monitor of  
Alphabow Energy Ltd.



COURT FILE NUMBER  
COURT  
JUDICIAL CENTRE OF

2401-05179  
COURT OF KING'S BENCH OF ALBERTA  
CALGARY

IN THE MATTER OF THE *COMPANIES'*  
*CREDITORS ARRANGEMENT ACT*, R.S.C.  
1985, c. C-36, as amended

AND IN THE MATTER OF A PLAN OF  
COMPROMISE OR ARRANGEMENT OF  
ALPHABOW ENERGY LTD.

DOCUMENT

**CCAA INITIAL ORDER**

ADDRESS FOR SERVICE AND  
CONTACT INFORMATION OF  
PARTY FILING THIS  
DOCUMENT:

**BENNETT JONES LLP**  
Barristers and Solicitors  
4500, 855 – 2nd Street S.W.  
Calgary, Alberta T2P 4K7

Attention: Keely Cameron / Sarah Aaron  
Telephone No.: 403-298-3324/3177  
Fax No.: 403-265-7219  
Client File No.: 88323.6

**DATE ON WHICH ORDER WAS**

**PRONOUNCED:**

Friday, April 26, 2024

**NAME OF JUDGE WHO MADE**

**THIS ORDER:**

The Honourable Justice M. J. Lema

**LOCATION OF HEARING:**

Edmonton Law Courts  
1A Sir Winston Churchill Square, Edmonton,  
AB T5J 0R2

**UPON** the application of AlphaBow Energy Ltd. ( the "**Applicant**" or "**AlphaBow**"); **AND**  
**UPON** having read the Originating Application, the Affidavit of Ben Li sworn on April 15, 2024  
(the "**Li Affidavit**"); **AND UPON** having read the Affidavit of Service of Stephanie Dumoulin  
sworn April 25, 2024; **AND UPON** reading the consent of KSV Restructuring Inc. to act as

Monitor; **AND UPON** having read the First Report of the Proposal Trustee and Pre-Filing Report of the Proposed Monitor dated April 19, 2024 (the "**Pre-Filing Report**"); **AND UPON** noting that the Applicant filed a notice of intention to file a proposal on March 28, 2024, in the Court of King's Bench of Alberta Action No. 25-3062078 (the "**NOI Proceedings**"); **AND UPON** noting the Reasonable Care and Measures Order issued by the Alberta Energy Regulator (the "**AER**") to AlphaBow on March 30, 2023 (the "**RCAM Order**") and the Suspension Order issued by the AER to AlphaBow on June 5, 2023 (the "**Suspension Order**"); **AND UPON** noting that pursuant to the RCAM Order and the Suspension Order, on September 6, 2023, the Orphan Well Association ("**OWA**") was directed by the AER to take possession of all licensed sites of AlphaBow to provide reasonable care and measures and since then, has remained, and continues to remain, in possession of all of AlphaBow's license sites; **AND UPON** hearing counsel for the Applicant, and any other interested parties appearing at the application;

**IT IS HEREBY ORDERED AND DECLARED THAT:**

**SERVICE**

1. The time for service of the notice of application for this order (the "**Order**") and the Li Affidavit are deemed good and sufficient and this application is properly returnable today.

**CAPITALIZED TERMS**

2. Capitalized terms used but not otherwise defined in this Order shall have the meaning given to such terms in the Li Affidavit.

**APPLICATION**

3. The Applicant is a company to which the *Companies' Creditors Arrangement Act*, RSC 1985, c C-36 (the "**CCAA**") applies.
4. The NOI Proceedings commenced by the Applicant under Part II of the *Bankruptcy and Insolvency Act* (the "**BIA**") are hereby taken up and continued under the CCAA and the provisions of Division I of Part III of the BIA shall have no further application to the Applicant, save that any and all steps, agreements and procedures validly taken, done or entered into by the Applicant during the proposal proceedings shall remain valid and

binding notwithstanding the termination of the NOI Proceedings and the commencement of the within CCAA proceedings. Further, the Notice of Intention to File a Proposal filed by the Applicant on March 28, 2024, is and shall be deemed for all purposes to be withdrawn, and the NOI Proceedings are hereby terminated.

## **POSSESSION OF PROPERTY AND OPERATIONS**

5. The Applicant shall:

- (a) remain in possession and control of its current and future assets, undertakings and properties of every nature and kind whatsoever, and wherever situate including all proceeds thereof (the "**Property**");
- (b) subject to further order of this Court, continue to carry on business in a manner consistent with the preservation of its business (the "**Business**") and Property; and
- (c) be authorized and empowered to continue to retain and employ the employees, consultants, agents, experts, accountants, counsel and such other persons (collectively "**Assistants**") currently retained or employed by it, with liberty to retain such further Assistants as it deems reasonably necessary or desirable in the ordinary course of business or for the carrying out of the terms of this Order.

Nothing in the foregoing shall be interpreted as amending or otherwise impacting the direction of the AER that the OWA take possession of all licensed sites of AlphaBow to provide reasonable care and measures pursuant to the terms of the RCAM Order.

6. To the extent permitted by law, the Applicant shall be entitled but not required to make the following advances or payments of the following expenses, incurred prior to or after this Order:

- (a) all outstanding and future wages, salaries, employee and pension benefits, vacation pay and expenses payable on or after the date of this Order, in each case incurred in the ordinary course of business and consistent with existing compensation policies and arrangements; and

- (b) the reasonable fees and disbursements of any Assistants retained or employed by the Applicant in respect of these proceedings, at their standard rates and charges, including for periods prior to the date of this Order.
- 7. Except as otherwise provided to the contrary herein, the Applicant shall be entitled but not required to pay all reasonable expenses incurred by the Applicant in carrying on the Business in the ordinary course after this Order, and in carrying out the provisions of this Order, which expenses shall include, without limitation:
  - (a) all expenses and capital expenditures reasonably necessary for the preservation of the Property or the Business including, without limitation, payments on account of insurance (including directors and officers insurance), maintenance and security services; and
  - (b) payment for goods or services actually supplied to the Applicant since the commencement of the NOI Proceedings.
- 8. The Applicant shall remit, in accordance with legal requirements, or pay:
  - (a) all amounts which could be subject to a demand under subsection 224(1.2) of the *Income Tax Act* (Canada) or any similar provision of the *Canada Pension Plan*, the *Employment Insurance Act*, or any provision of any provincial legislation that has a purpose similar to subsection 224(1.2) of the *Income Tax Act* or that refers to subsection 224(1.2) of the *Income Tax Act* in respect of any amounts that arise and are payable on or after the commencement of the NOI Proceedings.
  - (b) all goods and services or other applicable sales taxes (collectively, "**Sales Taxes**") required to be remitted by the Applicant in connection with the sale of goods and services by the Applicant, but only where such Sales Taxes are accrued or collected after the commencement of the NOI Proceedings; and
  - (c) any amount payable to the Crown in Right of Canada or of any Province thereof or any political subdivision thereof or any other taxation authority in respect of municipal realty, municipal business or other taxes, assessments or levies of any nature or kind which are entitled at law to be paid in priority to claims of secured

creditors and that are attributable to or in respect of the carrying on of the Business by the Applicant.

9. Until such time as a real property lease is disclaimed or resiliated in accordance with the CCAA, the Applicant may pay all amounts constituting rent or payable as rent under real property leases (including, for greater certainty, common area maintenance charges, utilities and realty taxes and any other amounts payable as rent to the landlord under the lease) based on the terms of existing lease arrangements or as otherwise may be negotiated by the Applicant from time to time for the period commencing from and including the date of this Order ("**Rent**"), but shall not pay any rent in arrears.
10. Except as specifically permitted in this Order, the Applicant is hereby directed, until further order of this Court:
  - (a) to make no payments of principal, interest thereon or otherwise on account of amounts owing by the Applicant to any of its creditors as of the date of the commencement of the NOI Proceedings;
  - (b) to grant no security interests, trust, liens, charges or encumbrances upon or in respect of any of its Property; and
  - (c) not to grant credit or incur liabilities except in the ordinary course of the Business.

#### **NO PROCEEDINGS AGAINST THE APPLICANT OR THE PROPERTY**

11. Until and including May 6, 2024, or such later date as this Court may order (the "**Stay Period**"), no proceeding or enforcement process in any court (each, a "**Proceeding**") shall be commenced or continued against or in respect of the Applicant or the Monitor, or affecting the Business or the Property, except with leave of this Court, and any and all Proceedings currently under way against or in respect of the Applicant or affecting the Business or the Property are hereby stayed and suspended pending further order of this Court.

## NO EXERCISE OF RIGHTS OR REMEDIES

12. During the Stay Period, all rights and remedies of any individual, firm, corporation, governmental body or agency, or any other entities (all of the foregoing, collectively being "**Persons**" and each being a "**Person**"), whether judicial or extra-judicial, statutory or non-statutory against or in respect of the Applicant or the Monitor, or affecting the Business or the Property, are hereby stayed and suspended and shall not be commenced, proceeded with or continued except with leave of this Court, provided that nothing in this Order shall:
- (a) empower the Applicant to carry on any business that the Applicant is not lawfully entitled to carry on;
  - (b) affect such investigations, actions, suits or proceedings by a regulatory body as are permitted by section 11.1 of the CCAA;
  - (c) prevent the filing of any registration to preserve or perfect a security interest;
  - (d) prevent the registration of a claim for lien; or
  - (e) exempt the Applicant from compliance with statutory or regulatory provisions relating to health, safety or the environment.
13. Nothing in this Order shall prevent any party from taking an action against the Applicant where such an action must be taken in order to comply with statutory time limitations in order to preserve their rights at law, provided that no further steps shall be taken by such party except in accordance with the other provisions of this Order, and notice in writing of such action be given to the Monitor at the first available opportunity.

## NO INTERFERENCE WITH RIGHTS

14. During the Stay Period, no person shall accelerate, suspend, discontinue, fail to honour, alter, interfere with, repudiate, terminate or cease to perform any right, renewal right, contract, agreement, licence or permit in favour of or held by the Applicant, except with the written consent of the Applicant and the Monitor, or leave of this Court.



## **CONTINUATION OF SERVICES**

15. During the Stay Period, all persons having:

- (a) statutory or regulatory mandates for the supply of goods and/or services; or
- (b) oral or written agreements or arrangements with the Applicant, including without limitation all computer software, communication and other data services, centralized banking services, payroll services, insurance, transportation, services, utility or other services to the Business or the Applicant;

are hereby restrained until further order of this Court from discontinuing, altering, interfering with, suspending or terminating the supply of such goods or services as may be required by the Applicant or exercising any other remedy provided under such agreements or arrangements. The Applicant shall be entitled to the continued use of its current premises, telephone numbers, facsimile numbers, internet addresses and domain names, provided in each case that the usual prices or charges for all such goods or services received after the date of this Order are paid by the Applicant in accordance with the payment practices of the Applicant, or such other practices as may be agreed upon by the supplier or service provider and each of the Applicant and the Monitor, or as may be ordered by this Court.

## **NON-DEROGATION OF RIGHTS**

16. Nothing in this Order has the effect of prohibiting a person from requiring immediate payment for goods, services, use of leased or licensed property or other valuable consideration provided on or after the date of this Order, nor shall any person, be under any obligation on or after the date of this Order to advance or re-advance any monies or otherwise extend any credit to the Applicant.

## **PROCEEDINGS AGAINST DIRECTORS AND OFFICERS**

17. During the Stay Period, and except as permitted by subsection 11.03(2) of the CCAA and paragraph 13 of this Order, no Proceeding may be commenced or continued against any of the former, current or future directors or officers of the Applicant with respect to any claim against the directors or officers that arose before the date of this Order and that relates to

any obligations of the Applicant whereby the directors or officers are alleged under any law to be liable in their capacity as directors or officers for the payment or performance of such obligations, until a compromise or arrangement in respect of the Applicant, if one is filed, is sanctioned by this Court or is refused by the creditors of the Applicant or this Court.

#### **APPOINTMENT OF MONITOR**

18. KSV Restructuring Inc. is hereby appointed pursuant to the CCAA as the Monitor, an officer of this Court, to monitor the Property, Business, and financial affairs of the Applicant with the powers and obligations set out in the CCAA or set forth herein and that the Applicant and its shareholders, officers, directors, and Assistants shall advise the Monitor of all material steps taken by the Applicant pursuant to this Order, and shall co-operate fully with the Monitor in the exercise of its powers and discharge of its obligations and provide the Monitor with the assistance that is necessary to enable the Monitor to adequately carry out the Monitor's functions.
19. The Monitor, in addition to its prescribed rights and obligations under the CCAA, is hereby directed and empowered to:
  - (a) monitor the Applicant's receipts and disbursements, Business and dealings with the Property;
  - (b) report to this Court at such times and intervals as the Monitor may deem appropriate with respect to matters relating to the Property, the Business, and such other matters as may be relevant to the proceedings herein and immediately report to the Court if in the opinion of the Monitor there is a material adverse change in the financial circumstances of the Applicant;
  - (c) advise the Applicant in its preparation of the Applicant's cash flow statements;
  - (d) advise the Applicant in its development of the Plan and any amendments to the Plan;
  - (e) assist the Applicant, to the extent required by the Applicant, with the holding and administering of creditors' or shareholders' meetings for voting on the Plan;

- (f) have full and complete access to the Property, including the premises, books, records, data, including data in electronic form and other financial documents of the Applicant to the extent that is necessary to adequately assess the Property, Business, and financial affairs of the Applicant or to perform its duties arising under this Order;
  - (g) be at liberty to engage independent legal counsel or such other persons as the Monitor deems necessary or advisable respecting the exercise of its powers and performance of its obligations under this Order;
  - (h) hold funds in trust or in escrow, to the extent required, to facilitate settlements between the Applicant and any other Person; and
  - (i) perform such other duties as are required by this Order or by this Court from time to time.
20. The Monitor shall not take possession of the Property and shall take no part whatsoever in the management or supervision of the management of the Business and shall not, by fulfilling its obligations hereunder, or by inadvertence in relation to the due exercise of powers or performance of duties under this Order, be deemed to have taken or maintain possession or control of the Business or Property, or any part thereof. Nothing in this Order shall require the Monitor to occupy or to take control, care, charge, possession or management of any of the Property that might be environmentally contaminated, or might cause or contribute to a spill, discharge, release or deposit of a substance contrary to any federal, provincial or other law respecting the protection, conservation, enhancement, remediation or rehabilitation of the environment or relating to the disposal or waste or other contamination, provided however that this Order does not exempt the Monitor from any duty to report or make disclosure imposed by applicable environmental legislation or regulation. The Monitor shall not, as a result of this Order or anything done in pursuance of the Monitor's duties and powers under this Order be deemed to be in possession of any of the Property within the meaning of any federal or provincial environmental legislation.
21. The Monitor shall provide any creditor of the Applicant, with information provided by the Applicant in response to reasonable requests for information made in writing by such

creditor addressed to the Monitor. The Monitor shall not have any responsibility or liability with respect to the information disseminated by it pursuant to this paragraph. In the case of information that the Monitor has been advised by the Applicant is confidential, the Monitor shall not provide such information to creditors unless otherwise directed by this Court or on such terms as the Monitor and the Applicant may agree.

22. In addition to the rights and protections afforded the Monitor under the CCAA or as an Officer of this Court, the Monitor shall incur no liability or obligation as a result of its appointment or the carrying out of the provisions of this Order, save and except for any gross negligence or wilful misconduct on its part. Nothing in this Order shall derogate from the protections afforded the Monitor by the CCAA or any applicable legislation.
23. The Monitor, counsel to the Monitor, and counsel to the Applicant shall be paid their reasonable fees and disbursements (including any pre-filing fees and disbursements related to these CCAA proceedings or the NOI Proceedings), in each case at their standard rates and charges, by the Applicant as part of the costs of these proceedings. The Applicant is hereby authorized and directed to pay the accounts of the Monitor, counsel for the Monitor and counsel for the Applicant on a bi-weekly basis and, in addition, the Applicant is hereby authorized to pay to the Monitor, counsel to the Monitor, and counsel to the Applicant, retainers in accordance with such parties' retainer agreements, to be held by them as security for payment of their respective fees and disbursements outstanding from time to time.
24. The Monitor and its legal counsel shall pass their accounts from time to time.
25. The Monitor, counsel to the Monitor, if any, and the Applicant's counsel, as security for the professional fees and disbursements incurred both before and after the granting of this Order, shall be entitled to the benefits of and are hereby granted a charge (the "**Administration Charge**") on the Property, which charge shall not exceed an aggregate amount of \$100,000 as security for their professional fees and disbursements incurred at the normal rates and charges of the Monitor and such counsel, both before and after the making of this Order in respect of these proceedings. The Administration Charge shall have the priority set out in paragraphs 26 and 28 hereof.

## VALIDITY AND PRIORITY OF CHARGES

26. The priority of the Administration Charge shall be as follows:
- First – Administration Charge (to the maximum amount of \$100,000).
27. The filing, registration or perfection of the Administration Charge (the "**Charge**") shall not be required, and the Charge shall be valid and enforceable for all purposes, including as against any right, title or interest filed, registered, recorded or perfected subsequent to the Charge coming into existence, notwithstanding any such failure to file, register, record or perfect.
28. The Charge shall constitute a charge on the Property and subject always to section 34(11) of the CCAA such Charge shall rank in priority to all other security interests, trusts, liens, charges and encumbrances, and claims of secured creditors, statutory or otherwise (collectively, "**Encumbrances**") in favour of any Person.
29. Except as otherwise expressly provided for herein, or as may be approved by this Court, the Applicant shall not grant any Encumbrances over any Property that rank in priority to, or *pari passu* with, the Charge unless the Applicant also obtain the prior written consent of the Monitor and the beneficiaries of the Charge, or further order of this Court.
30. The Charge shall not be rendered invalid or unenforceable and the rights and remedies of the chargees entitled to the benefit of the Charge (collectively, the "**Chargees**") shall not otherwise be limited or impaired in any way by:
- (a) the pendency of these proceedings and the declarations of insolvency made in this Order;
  - (b) any application(s) for bankruptcy order(s) issued pursuant to BIA, or any bankruptcy order made pursuant to such applications;
  - (c) the filing of any assignments for the general benefit of creditors made pursuant to the BIA;
  - (d) the provisions of any federal or provincial statutes; or

- (e) any negative covenants, prohibitions or other similar provisions with respect to borrowings, incurring debt or the creation of Encumbrances, contained in any existing loan documents, lease, sublease, offer to lease or other agreement (collectively, an "**Agreement**") that binds the Applicant, and notwithstanding any provision to the contrary in any Agreement:
  - (i) neither the creation of the Charge nor the execution, delivery, perfection, registration or performance of any documents in respect thereof, shall create or be deemed to constitute a new breach by the Applicant of any Agreement to which it is a party;
  - (ii) none of the Chargees shall have any liability to any Person whatsoever as a result of any breach of any Agreement caused by or resulting from the creation of the Charge; and
  - (iii) the payments made by the Applicant pursuant to this Order, and the granting of the Charge do not and will not constitute preferences, fraudulent conveyances, transfers at undervalue, oppressive conduct or other challengeable or voidable transactions under any applicable law.

## **ALLOCATION**

- 31. Any interested Person may apply to this Court on notice to any other party likely to be affected for an order to allocate the Charge amongst the various assets comprising the Property.

## **SERVICE AND NOTICE**

- 32. The Monitor shall (i) without delay, publish in the Daily Oil Bulletin a notice containing the information prescribed under the CCAA; (ii) within five (5) days after the date of this Order (A) make this Order publicly available in the manner prescribed under the CCAA, (B) send, in the prescribed manner, a notice to every known creditor who has a claim against the Applicant of more than \$1,000 and (C) prepare a list showing the names and addresses of those creditors and the estimated amounts of those claims, and make it

publicly available in the prescribed manner, all in accordance with section 23(1)(a) of the CCAA and the regulations made thereunder.

33. The Monitor shall establish a case website in respect of the within proceedings at [www.ksvadvisory.com/experience/case/alphabow](http://www.ksvadvisory.com/experience/case/alphabow) (the "**Monitor's Website**").
34. The Applicant and the Monitor are at liberty to serve this Order, any other materials and orders in these proceedings, any notices or other correspondence, by forwarding true copies thereof by prepaid ordinary mail, courier, personal delivery or electronic transmission to the Applicant's creditors or other interested parties at their respective addresses as last shown on the records of the Applicant and that any such service or notice by courier, personal delivery or electronic transmission shall be deemed to be received on the next business day following the date of forwarding thereof, or if sent by ordinary mail, on the third business day after mailing. Any person that wishes to be served with any application and other materials in these proceedings must deliver to the Applicant and the Monitor by way of ordinary mail, courier, or electronic transmission, a request to be added to the service list (the "**Service List**") to be maintained by the Monitor.
35. Any party to these proceedings may serve any court materials in these proceedings by emailing a PDF or other electronic copy of such materials to counsel's email addresses as recorded on the Service List from time to time, and the Monitor shall post a copy of all prescribed materials on the Monitor's website.
36. An application in these proceedings is hereby scheduled to be heard before this Honourable Court at 11:00 a.m. on April 26, 2024 (the "**Comeback Hearing**"). The Applicant is entitled to serve any court materials in connection with the Comeback Hearing on the Service List by courier, personal delivery or electronic transmission in accordance with this Order.

## **GENERAL**

37. The Applicant or the Monitor may from time to time apply to this Court for advice and directions in the discharge of their powers and duties hereunder.



38. Notwithstanding Rule 6.11 of the *Alberta Rules of Court*, unless otherwise ordered by this Court, the Monitor will report to the Court from time to time, which reporting is not required to be in affidavit form and shall be considered by this Court as evidence. The Monitor's reports shall be filed by the Court Clerk notwithstanding that they do not include an original signature.
39. Nothing in this Order shall prevent the Monitor from acting as an interim receiver, a receiver, a receiver and manager or a trustee in bankruptcy of the Applicant, the Business or the Property.
40. This Court hereby requests the aid and recognition of any court, tribunal, regulatory or administrative body having jurisdiction in Canada or in any foreign jurisdiction, to give effect to this Order and to assist the Applicant, the Monitor and their respective agents in carrying out the terms of this Order. All courts, tribunals, regulatory and administrative bodies are hereby respectfully requested to make such orders and to provide such assistance to the Applicant and to the Monitor, as an officer of this Court, as may be necessary or desirable to give effect to this Order, to grant representative status to the Monitor in any foreign proceeding, or to assist the Applicant and the Monitor and their respective agents in carrying out the terms of this Order.
41. Each of the Applicant and the Monitor be at liberty and are hereby authorized and empowered to apply to any court, tribunal, regulatory or administrative body, wherever located, for the recognition of this Order and for assistance in carrying out the terms of this Order and that the Monitor is authorized and empowered to act as a representative in respect of the within proceeding for the purpose of having these proceedings recognized in a jurisdiction outside Canada.
42. Any interested party (including the Applicant and the Monitor) may apply to this Court to vary or amend this Order on not less than seven (7) days' notice to any other party or parties likely to be affected by the order sought or upon such other notice, if any, as this Court may order.

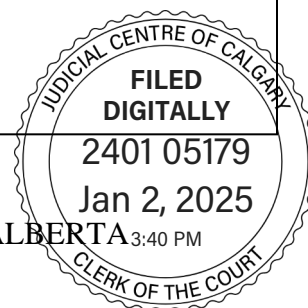
43. This Order and all of its provisions are effective as of 12:01 a.m. Mountain Daylight Time on the date of this Order.

A handwritten signature in black ink, appearing to read "M. J. Leung", is written above a horizontal line.

Justice of the Court of King's Bench of Alberta

CERTIFIED *E. Wheaton*  
by the Court Clerk as a true copy of  
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COURT FILE NUMBER: 2401-05179

COURT COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE CALGARY

IN THE MATTER OF THE *COMPANIES' CREDITORS*  
*ARRANGEMENT ACT*, R.S.C. 1985, c. C-36, as amended

AND IN THE MATTER OF A PLAN OF  
COMPROMISE OR ARRANGEMENT OF  
ALPHABOW ENERGY LTD.

DOCUMENT **TRANSACTION APPROVAL AND REVERSE  
VESTING ORDER**

ADDRESS FOR SERVICE  
AND CONTACT  
INFORMATION OF  
PARTY FILING THIS  
DOCUMENT:

**BENNETT JONES LLP**  
Suite 4500, 855 – 2<sup>nd</sup> Street S.W.  
Calgary, AB T2P 4K7

Attention: Keely Cameron / Sarah Aaron  
Telephone No.: 403-298-3324/3177  
Fax No.: 403-265-7219  
Client File No.: 88323.6

**DATE ON WHICH ORDER WAS PRONOUNCED:** Thursday, December 19, 2024

**LOCATION OF HEARING OR TRIAL:** Calgary Law Courts, via Webex

**NAME OF JUSTICE WHO MADE THIS ORDER:** The Honourable Justice J. R. Jeffrey

**UPON the application** of AlphaBow Energy Ltd. ("**AlphaBow**" or the "**Applicant**") for an Order approving the sale transaction (the "**Transaction**") contemplated by the Amended and Restated Subscription Agreement dated December 16, 2024 (the "**Subscription Agreement**") between AlphaBow and 2628071 Alberta Ltd. (the "**Purchaser**"); **AND UPON** having read the Affidavit of Ben Li, sworn on December 9, 2024, the Supplemental Affidavit of Ben Li, sworn on December 16, 2024, the Affidavit of Service of Stephanie Dumoulin, and the Monitor's Sixth

Report (the "**Sixth Report**"); **AND UPON hearing** the submissions of counsel for the Applicant, counsel for KSV Restructuring Inc. (the "**Monitor**"), and any other interested parties appearing at the application **AND UPON** the Court being satisfied based on the written submissions that the factors set out in *Harte Gold Corp (Re)*, 2022 ONSC 653 have been met and the transaction has not been structured to override voting on a plan;

**IT IS HEREBY ORDERED AND DECLARED THAT:**

**SERVICE**

1. Service of notice of this application and supporting materials is hereby declared to be good and sufficient, no other person is required to have been served with notice of this application and time for service of this application is abridged to that actually given.

**CAPITALIZED TERMS**

2. Capitalized terms used but not otherwise defined in this Order shall have the meaning given to such terms in the Subscription Agreement.

**APPROVAL OF TRANSACTION**

3. The Subscription Agreement and Transaction are hereby approved, and execution of the Subscription Agreement by the Applicant is hereby authorized and approved, with such amendments as the Applicant and the Purchaser (in consultation with the Monitor) may agree to. The Applicant is hereby authorized and directed to complete the Transaction subject to the terms of the Subscription Agreement, to perform its obligations under the Subscription Agreement and any ancillary documents related thereto, and to take such additional steps and execute such additional documents as may be necessary or desirable for completion of the Transaction. In the event of any conflict between the terms of the Subscription Agreement and this Order, this Order shall prevail.
4. Subject to the terms of the Subscription Agreement, this Order shall constitute the only authorization required in respect of the Applicant proceeding with and completing the Transaction.

## REORGANIZATION AND ISSUANCE OF SHARES OF THE COMPANY

5. On the Closing Date, the Applicant is hereby authorized and directed to complete the Transaction, including the Reorganization and issuance of the Purchased Shares to the Purchaser (or its nominee) in consideration of the Purchase Price.
6. The Purchased Shares shall be issued by AlphaBow to the Purchaser (or its nominee) free and clear of and from any Losses or Encumbrances.
7. The Purchaser (or its nominee) and the Applicant, in completing the Transaction, are authorized to:
  - (a) execute and deliver any documents and assurances governing or giving effect to the Transaction as the Purchaser (or its nominee) and/or the Applicant in consultation with the Monitor, may deem to be reasonably necessary or advisable to conclude the Transaction, including the execution of all such ancillary documents as may be contemplated in the Subscription Agreement or necessary or desirable for the completion and implementation of the Transaction, and all such ancillary documents are hereby ratified, approved and confirmed; and
  - (b) take such steps as are, in the opinion of the Monitor, the Purchaser (or its nominee) and/or the Applicant, necessary or incidental to the implementation of the Transaction.
8. The Registrar appointed pursuant to Section 243 of the *Business Corporations Act*, RSA 2000, c B-9, as applicable, shall accept and receive any documents or instruments as may be required to permit or enable and effect the Transaction contemplated in the Subscription Agreement, filed by the Applicant and/or the Monitor.

## VESTING OF ASSETS AND LIABILITIES

9. Subject to the terms of the Subscription Agreement, upon delivery of the Monitor's certificate to the Purchaser substantially in the form set out in Schedule "A" hereto (the "**Monitor's Certificate**"), the following shall occur and be deemed to occur

commencing at the time of delivery of the Monitor's Certificate (the "**Effective Time**") in the following sequence:

- (a) all right, title and interest of AlphaBow in and to the Transferred Assets shall be transferred to and shall vest absolutely and exclusively, without recourse, in the Creditor Trust and all Losses and Encumbrances attached to the Transferred Assets (other than the Retained Liabilities) shall continue to attach to the Transferred Assets with the same nature and priority as they had immediately prior to their transfer. For greater certainty, the O&G Assets, Abandonment and Reclamation Obligations, and Environmental Liabilities, as defined in the Subscription Agreement, shall not constitute Transferred Assets and form part of the Creditor Trust.
- (b) all Losses and Encumbrances in respect of the Company (including the "Transferred Liabilities" as defined in Schedule "B" to the Subscription Agreement), other than the Retained Liabilities, shall be transferred to and assumed by and shall vest absolutely and exclusively without recourse in the Creditor Trust, and shall no longer be liabilities of the Company, and such Losses and Encumbrances (including the Transferred Liabilities) shall continue to attach to the Transferred Assets with the same nature and priority as they had immediately prior to the Effective Time, as if the Transferred Assets had not been conveyed and had remained in the possession or control of the person having that possession or control immediately prior to the transfer;
- (c) all Losses and Encumbrances (including without limitation, the Transferred Liabilities) other than the Retained Liabilities shall be irrevocably and forever expunged, released and discharged as against the Company, the Purchaser (or its nominee), the Purchased Shares and the Retained Assets;
- (d) without limiting subparagraph 9(c), any and all security registrations against AlphaBow shall be and are hereby forever released and discharged as against AlphaBow, and all such security registrations shall attach to the Transferred Assets vested in the Creditor Trust and maintain the same attributes, rights, nature,

perfection and priority as they had immediately prior to the Effective Time, as if the Transferred Assets had not been conveyed and remained in the possession or control of the person having that possession or control immediately prior to the transfer, and no financing change statements in any applicable personal property or other registry system are required to reflect the transfer of and assumption by the Creditor Trust of such security registrations; and

- (e) the Company shall cease to be a Party in this Action and shall be released from the purview of the Amended and Restated Initial Order ("**ARIO**") and all other orders of this Court granted in these proceedings.

10. As of the Effective Time:

- (a) AlphaBow shall continue to hold all right, title and interest in and to the Retained Assets, free and clear of all Losses and Encumbrances other than the Retained Liabilities; and
- (b) AlphaBow shall be deemed to have disposed of the Transferred Assets and shall have no right, title or interest in or to the Transferred Assets.

11. For greater certainty, any person that, prior to the Effective Time, had a Loss or Encumbrance (other than a Retained Liability) against AlphaBow or its assets, properties or undertakings shall, as of the Effective Time, no longer have any such Loss or Encumbrance against or in respect of AlphaBow or the Retained Assets, but shall have an equivalent Loss or Encumbrance, as applicable, against the Transferred Assets to be administered by the Creditor Trust from and after the Effective Time, with the same attributes, rights, security, nature and priority as such Loss or Encumbrance had immediately prior to its transfer to the Creditor Trust, and nothing in this Order limits, lessens, modifies (other than by change in debtor) or extinguishes the Loss or Encumbrance of any Person as against the Transferred Assets to be administered by the Creditor Trust.
12. From and after the Effective Time, the Purchaser (or its nominee) and/or AlphaBow (or the Monitor on its behalf) shall be authorized to take all steps as may be necessary to effect



the discharge and release as against AlphaBow and the Retained Assets of the Losses and Encumbrances that are transferred to and vested in the Creditor Trust.

13. From and after the Effective Time:
  - (a) any and all contractual defaults in the Retained Contracts triggered as a result of these CCAA Proceeding shall be deemed to have been cured.
14. This Order is without prejudice to:
  - (a) the issues raised by NOVA Chemicals Corporation ("**NOVA**") in the "Application for Reconsideration and Revocation of Decision Approving Pipeline Licence Transfer" dated September 9, 2022 and NOVA's position that AlphaBow does not own and has no legal interest in or contractual right to use or operate the pipeline covered by License 46189 and accordingly no working interest or right convey to the Purchaser; and
  - (b) the issues raised by NOVA in the Originating Application filed in the Court of King's Bench of Alberta in Action No. 2301-10083 and NOVA's position that AlphaBow does not own and has no legal interest in or contractual right to use or operate the pipeline covered by License 47468 and accordingly no working interest or right convey to the Purchaser.
15. Notwithstanding this Order, NOVA will maintain and be entitled to advance all of its defences to AlphaBow's counterclaim in Court of King's Bench Action No. 2001-11322, including NOVA's defence that AlphaBow does not own and has no legal interest in or contractual right to use or operate the Delivery Facilities (as defined in the CO2 Sales Agreement) and accordingly no working interest or right to convey to the Purchaser.
16. This Order is without prejudice to the Amended Statement of Claim filed by Canadian Natural Resources Limited ("**Canadian Natural**") in Alberta Court of King's Bench Action No. 1901-15627 including, without limitation, Canadian Natural's position that as a result of Canadian Natural's withholding of consent to the transaction between

Pengrowth Energy Corporation and AlphaBow, AlphaBow did not acquire, and does not hold, any right, title or interest to the assets purportedly conveyed thereunder.

17. Upon the delivery of the Monitor's Certificate, and upon filing a certified copy of this Order, together with any applicable registration fees, all governmental authorities and any other applicable registrar or government ministries or authorities exercising jurisdiction with respect to the Company, the Retained Assets or the Transferred Assets, including but not limited to the Alberta Energy Registry, Alberta Personal Property Registry or the Alberta Land Titles Office (collectively, "**Governmental Authorities**") are hereby authorized, requested and directed to accept delivery of such Monitor's Certificate and certified copy of this Order as though they were originals and to register such transfers, interest authorizations, discharges and discharge statements of conveyance as may be required to give effect to the terms of this Order and the completion of the Transaction and to discharge and release all Losses and Encumbrances other than Retained Liabilities against or in respect of the Company and the Retained Assets, and presentment of this Order and the Monitor's Certificate shall be the sole and sufficient authority for the Governmental Authorities to do so.
18. Without limiting the generality of the foregoing paragraph, the Registrar of the Alberta Personal Property Registry shall and is hereby directed to forthwith terminate and reissue all registrations associated with the Retained Liabilities and Retained Assets.

## **RELEASES**

19. From and after the Effective Time to and including Closing, each of the Monitor, the Purchaser (or its nominee), AlphaBow and its current and former directors, officers, employees, contractors, executive team, agents, representatives, and all of their respective advisors, including financial advisors and legal counsel, (the "**Released Parties**") are hereby released, remised and forever discharged from any and all rights, actions, causes of action, suits, demands, debts, covenants, or claims of any nature whatsoever, whether contractual, extra-contractual, in law or in equity or otherwise, past, present or future, direct or indirect, whether known or unknown (collectively, the "**Released Claims**") against any of the Released Parties; save and except for any and all Released Claims arising out of or

in connection with any fraud, gross negligence or willful misconduct, on the part of the Released Parties, or any claim that is not permitted to be released pursuant to section 5.1(2) of the CCAA.

20. From and after the Effective Time to and including Closing, all Persons shall be absolutely and forever barred, estopped, foreclosed and permanently enjoined from pursuing, asserting, exercising, enforcing, issuing or continuing any steps or proceedings, or relying on any rights, remedies, claims or benefits in respect of or against the Monitor, AlphaBow, the Purchaser (or its nominee) or the Retained Assets, in any way relating to, arising from or in respect of:
- (a) the Transferred Assets;
  - (b) any and all Losses or Encumbrances other than the Retained Liabilities against or relating to AlphaBow, the Transferred Assets or the Retained Assets existing immediately prior to the Effective Time;
  - (c) the insolvency of AlphaBow prior to the Effective Time;
  - (d) the commencement or existence of these CCAA proceedings; or
  - (e) the completion of the Transaction.
21. Any party asserting an entitlement to Cure Costs (as defined in the Sale Agreement), whose claim has not been barred pursuant to the Claims Process Order shall have 10 days from the issuance of this Order to make an adjustment to the Cure Cost Claim failing which the amount set out in the Proof of Claim will be deemed final, subject only to such revisions or disallowance as determined by the Monitor or the Court in accordance with the Claims Process Order.

## **CREDITOR TRUST**

22. The Creditor Trust created pursuant to this Order shall be named the "AlphaBow Residual Trust". The Creditor Trust shall be instituted and administered in accordance with the Creditor Trust Settlement attached as Schedule "B" hereto.

23. At the Effective Time, the Creditor Trust shall be substituted as a Party in these proceedings in place of AlphaBow and the style of cause for these proceedings shall be changed by deleting AlphaBow as a Party, and replacing it with the Creditor Trust as a Party.
24. The Creditor Trust, and the Monitor as Trustee of the Creditor Trust, shall enjoy the benefits of the indemnity and release provided by Sections 6.1, 7.1 and 8.1 of the Subscription Agreement and any other provision of the Subscription Agreement that is for the benefit of either the Creditor Trust or the Monitor as Trustee of the Creditor Trust, notwithstanding the fact that neither are parties to the Subscription Agreement.
25. The administration of the Creditor Trust shall remain subject to this Court's oversight and these proceedings.
26. In addition to and without limiting the rights and protections afforded to AlphaBow and the Monitor pursuant to the ARIO, AlphaBow, the Monitor and their respective employees, consultants and representatives shall not incur any liability as a result of acting in accordance with this Order or administering the Creditor Trust, save and except for any gross negligence or willful misconduct on the part of any such parties. All protections afforded to the Applicant and the Monitor pursuant to the ARIO or any further order granted in these proceedings or the *Bankruptcy and Insolvency Act*, RSC 1985, c B-3 (the "**BIA**") shall continue to apply.

#### MISCELLANEOUS MATTERS

27. The Purchaser shall notify Direct Energy Marketing Limited in writing of all sites included in the Transaction to which energy service is restored within 1 year from the date of closing of the Transaction ("**Activated Sites**"). The Purchaser shall pay to Direct Energy all flow-through idle service charges levied by ATCO Electric Ltd. and incurred by Direct Energy for the Activated Sites, for the period from April 26, 2024, to the date of reconnection of energy service.
28. The Monitor is directed to file with the Court a copy of the Monitor's Certificate forthwith after delivery thereof to the Purchaser (or its nominee).

29. Notwithstanding:

- (a) the pendency of these proceedings and any declaration of insolvency made herein;
- (b) the pendency of any applications for a bankruptcy order now or hereafter issued pursuant to the BIA, in respect of AlphaBow, and any bankruptcy order issued pursuant to any such applications;
- (c) any assignment in bankruptcy made in respect of AlphaBow; and
- (d) the provisions of any federal or provincial statute:

the execution of the Subscription Agreement and the implementation of the Transaction shall be binding on any trustee or other administrator in respect of the Creditor Trust and any trustee in bankruptcy or receiver that may be appointed in respect of AlphaBow, nor shall it constitute nor be deemed to be a transfer at undervalue, settlement, fraudulent preference, assignment, fraudulent conveyance or other reviewable transaction under the BIA or any other applicable federal or provincial legislation or at common law, nor shall it constitute oppressive or unfairly prejudicial conduct pursuant to any applicable federal or provincial legislation.

- 30. Notwithstanding this Order, AlphaBow and the Purchaser (or its nominee) shall be entitled to make incremental changes to the Subscription Agreement.
- 31. The Monitor, AlphaBow, the Purchaser (or its nominee) and any other interested party, shall be at liberty to apply for further advice, assistance and direction as may be necessary in order to give full force and effect to the terms of this Order and to assist and aid the parties in closing the Transaction.
- 32. This Court shall retain exclusive jurisdiction to, among other things, interpret, implement and enforce the terms and provisions of this Order, the Subscription Agreement and all amendments thereto, in connection with any dispute involving AlphaBow or the Creditor Trust, and to adjudicate, if necessary, any disputes concerning AlphaBow or the Creditor Trust related in any way to the Transaction.

33. This Honourable Court hereby requests the aid and recognition of any court, tribunal, regulatory or administrative body having jurisdiction in Canada or in any of its provinces or territories or in any foreign jurisdiction, to act in aid of and to be complimentary to this Court in carrying out the terms of this Order, to give effect to this Order and to assist the Monitor and its agents in carrying out the terms of this Order. All courts, tribunals, regulatory and administrative bodies are hereby respectfully requested to make such order and to provide such assistance to the Monitor, as an officer of the Court, as may be necessary or desirable to give effect to this Order or to assist the Monitor and its agents in carrying out the terms of this Order.
34. Service of this Order shall be deemed good and sufficient by:
- (a) Serving the same on:
    - (i) the persons listed on the service list created in these proceedings;
    - (ii) any other person served with notice of the application for this Order;
    - (iii) any other parties attending or represented at the application for this Order;
    - (iv) the Purchaser or the Purchaser's solicitors; and
  - (b) Posting a copy of this Order on the Monitor's website at:  
<https://www.ksvadvisory.com/experience/case/alphabow>
- and service on any other person is hereby dispensed with.
35. Service of this Order may be effected by facsimile, electronic mail, personal delivery, or courier. Service is deemed to be effected the next business day following transmission or delivery of this Order.

  
J.C.K.B.A.

**SCHEDULE "A"****Form of Monitor's Certificate**

CLERK'S STAMP

**COURT FILE NUMBER:** 2401-05179

COURT COURT OF KING'S BENCH OF ALBERTA

JUDICIAL CENTRE CALGARY

IN THE MATTER OF THE *COMPANIES' CREDITORS  
ARRANGEMENT ACT*, R.S.C. 1985, c. C-36, as amendedAND IN THE MATTER OF A PLAN OF  
COMPROMISE OR ARRANGEMENT OF  
ALPHABOW ENERGY LTD.DOCUMENT **MONITOR'S CERTIFICATE**ADDRESS FOR SERVICE  
AND CONTACT  
INFORMATION OF  
PARTY FILING THIS  
DOCUMENT:**BENNETT JONES LLP**  
Suite 4500, 855 – 2<sup>nd</sup> Street S.W.  
Calgary, AB T2P 4K7Attention: Keely Cameron / Sarah Aaron  
Telephone No.: 403-298-3324/3177  
Fax No.: 403-265-7219  
Client File No.: 88323.6**RECITALS**

- A. AlphaBow Energy Ltd. (the "**Company**") commenced proceedings (the "**CCAA Proceedings**") in the Court of King's Bench of Alberta in the Judicial District of Calgary, Alberta (the "**Court**") under the *Companies' Creditors Arrangement Act*, RSC 1985, c. C-36 (the "**CCAA**") and on April 26, 2024, the Company was granted creditor protection pursuant to an initial order granted by the Court under the CCAA (the "**Initial Order**");
- B. pursuant to the Initial Order, among other things, KSV Restructuring Inc. ("**KSV**") was appointed as monitor of the Company;
- C. on April 26, 2024, the Court granted an amended and restated order (the "**ARIO**");
- D. pursuant to an Order of the Court granted December 19, 2024, the Court granted a Reverse Vesting Order approving the transaction contemplated by the Subscription Agreement

made as of December 9, 2024, as the same may be amended from time to time (the "**Subscription Agreement**") between AlphaBow and Cascade Capture Ltd. (the "**Purchaser**").

- E. Unless otherwise indicated herein, capitalized terms have the meanings set out in the Subscription Agreement.

**THE MONITOR CERTIFIES** the following:

1. The Purchaser has paid and the Monitor has received the Purchase Price for the Purchased Shares payable on the Closing Date pursuant to the Subscription Agreement;
2. The conditions to closing as set out in the Subscription Agreement have been satisfied or waived by the Debtors and the Purchaser; and
3. The Transaction contemplated by the Subscription Agreement has been completed to the satisfaction of the Monitor.
4. This Certificate was delivered by the Monitor at **[Time]** on **[Date]**.

**KSV Restructuring Inc., in its capacity as Monitor of AlphaBow Energy Inc., and not in its personal capacity.**

**Per:** \_\_\_\_\_  
**Name: Andrew Basi**



## SCHEDULE "B"

### Creditor Trust Settlement

#### AlphaBow Residual Trust

#### RECITALS

- A. AlphaBow Energy Ltd. (the "**Company**") commenced proceedings (the "**CCAA Proceedings**") in the Court of King's Bench of Alberta in the Judicial District of Calgary, Alberta (the "**Court**") under the *Companies' Creditors Arrangement Act*, RSC 1985, c. C-36 (the "**CCAA**") and on April 26, 2024, the Company was granted creditor protection pursuant to an initial order granted by the Court under the CCAA (the "**Initial Order**");
- B. pursuant to the Initial Order, among other things, KSV Restructuring Inc. ("**KSV**") was appointed as monitor of the Company;
- C. on April 26, 2024, the Court granted an amended and restated order (the "**ARIO**");
- D. pursuant to an Order of the Court granted December 19, 2024, the Court granted a Reverse Vesting Order approving the transaction contemplated by the Amended and Restated Subscription Agreement made as of December 9, 2024, as amended (the "**Subscription Agreement**") between AlphaBow and Cascade Capture Ltd. (the "**Purchaser**").
- C. The Subscription Agreement contemplates a transaction (the "**RVO Transaction**") which includes, among other things: (i) the establishment of a trust for the benefit of the creditors of the Company (the "**Creditor Trust**"); (ii) the transfer to the Creditor Trust of certain liabilities of the Company (the "**Transferred Liabilities**"); (iii) the transfer to the Creditor Trust of certain assets of the Company (the "**Transferred Assets**"); (iv) the payment by the Purchaser of the Purchase Price payable under the Subscription Agreement (the "**RVO Payment**"); and (v) the retention by the Company of certain liabilities associated with the assets and contracts being retained by the Company (the "**Retained Liabilities**" and the "**Retained Assets**", respectively).

This Creditor Trust Settlement is intended to be appended to and form part of the RVO, for the purpose of furthering the RVO Transaction, including but not limited to governing the manner in which the Creditor Trust shall be established, effective on the closing of the RVO Transaction, and administered thereafter. Capitalized words and phrases used in this Creditor Trust Settlement but not otherwise defined herein shall have the meanings given to them in the Subscription Agreement.

## **ARTICLE 1 ESTABLISHMENT OF THE CREDITOR TRUST**

### **1.1 Settling the Creditor Trust**

The Creditor Trust shall be named the "AlphaBow Residual Trust" and shall be settled by the delivery by the Purchaser of the RVO Payment, in the amount of the Purchase Price (the "**Settlement Funds**") to the Trustee.

### **1.2 Appointment of the Trustee**

KSV Restructuring Inc. in its capacity as the Court-appointed monitor of the Company shall be the trustee of the Creditor Trust (the "**Trustee**") and shall hold the Settlement Funds in trust for the creditors of the Company (the "**Creditor Trust Beneficiaries**"), subject to the terms of this Creditor Trust Settlement. The Trustee shall have all the rights, powers and duties set forth herein and pursuant to applicable law for accomplishing the purposes of the Creditor Trust.

### **1.3 Purpose of the Creditor Trust**

The purpose of the Creditor Trust is for the Trustee to hold the Settlement Funds and the Transferred Assets, assume the Transferred Liabilities, and to distribute the Settlement Funds and Transferred Assets to the Creditor Trust Beneficiaries, in accordance with their respective priorities, rights and entitlements as against the Company or Transferred Assets.

## **ARTICLE 2 THE TRUSTEE**

### **2.1 Authority of Trustee**

The Trustee shall have all powers and authorities necessary to carry out the purpose of the Creditor Trust as set out in Article 1.3. The Trustee may from time to time apply to the Court for advice and directions as to the discharge of its powers and duties hereunder.

### **2.2 Compensation of the Trustee**

The Trustee shall be compensated for its services, and reimbursed for its expenses, including the reasonable costs and expenses of its legal counsel from the Settlement Funds.

### **2.3 Standard of Care; Exculpation**

In addition to the rights and protections afforded to the Trustee under the CCAA or as an Officer of the Court, the Trustee shall incur no liability or obligation as a result of its appointment or the carrying out of the provisions of this Creditor Trust Settlement, save and except for any gross negligence or willful misconduct on its part. Nothing in this Creditor Trust Settlement shall derogate from the protections afforded to the Trustee by the CCAA or any applicable legislation, or the ARIO.

### **ARTICLE 3 INDEMNIFICATION**

#### **3.1 Indemnification of Trustee and others**

To the fullest extent permitted by law, the Creditor Trust, to the extent of its assets legally available for that purpose, shall indemnify and hold harmless the Trustee, and each of its respective directors, members, shareholders, partners, officers, agents, employees, counsel and other professionals (collectively, the "**Indemnified Persons**") from and against any and all losses, costs, damages, reasonable and documented out-of-pocket expenses (including reasonable fees and expenses of counsel and other advisors and any court costs incurred by any Indemnified Person) or liability by reason of anything any Indemnified Person did, does, or refrains from doing for the business or affairs of the Creditor Trust, except to the extent that the loss, cost, damage, expense or liability resulted from the Indemnified Person's gross negligence or willful misconduct.

### **ARTICLE 4 TERM; TERMINATION OF THE CREDITOR TRUST**

#### **4.1 Term; Termination of the Creditor Trust**

(a) The Creditor Trust shall commence on the date that the RVO Transaction closes, and shall terminate no later than six months thereafter; provided, however, that, on or prior to the date that is 30 days prior to such termination, the Trustee may extend the term of the Creditor Trust if it is necessary to the efficient and proper administration of the Creditor Trust in accordance with the purposes and terms of this Creditor Trust Settlement, by filing a notice of such extension with the Court, and serving such notice on interested parties.

(b) The Creditor Trust may be terminated by the Trustee earlier than its scheduled termination if the Trustee has distributed all Settlement Funds and performed all other duties required by this Creditor Trust Settlement.

### **ARTICLE 5 AMENDMENT AND WAIVER**

#### **5.1 Amendment and Waiver**

The Trustee may amend, supplement or waive any provision of this Creditor Trust Settlement, without notice to or the consent of the Creditor Trust Beneficiaries or the approval of the Court: (i) to cure any ambiguity, omission, defect or inconsistency in this Creditor Trust Settlement; (ii) to comply with any legal (including tax) requirements; and (iii) to achieve any other purpose that is not inconsistent with the purpose and intention of this Creditor Trust Settlement.

## **ARTICLE 6 MISCELLANEOUS PROVISIONS**

### **6.1 Laws as to Construction**

This Creditor Trust Settlement shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws of Canada applicable therein, without regard to whether any conflicts of law would require the application of the law of another jurisdiction.

### **6.2 Jurisdiction**

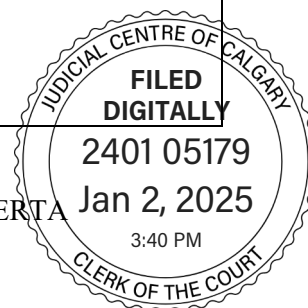
Without limiting any Person's right to appeal any order of the Court with regard to any matter, (i) the Court shall retain exclusive jurisdiction to enforce the terms of this Creditor Trust Settlement and to decide any claims or disputes which may arise or result from, or be connected with, this Creditor Trust Settlement, or the matters contemplated hereby, and (ii) any and all actions related to the foregoing shall be filed and maintained only in the Court.

### **6.3 Irrevocability**

The Creditor Trust is irrevocable, but is subject to amendment and waiver as provided for in this Agreement.

CERTIFIED *E. Wheaton*  
by the Court Clerk as a true copy of  
the document digitally filed on Jan  
2, 2025

Clerk's Stamp:



COURT FILE NUMBER	2401-05179
COURT	COURT OF KING'S BENCH OF ALBERTA
JUDICIAL CENTRE	CALGARY
APPLICANTS	IN THE MATTER OF THE <i>COMPANIES' CREDITORS ARRANGEMENT ACT</i> , R.S.C. 1985, c. C-36, as amended  AND IN THE MATTER OF A PLAN OF COMPROMISE OR ARRANGEMENT OF ALPHABOW ENERGY LTD.
DOCUMENT	<b>ORDER (Sales Approval and Vesting)</b>
ADDRESS FOR SERVICE AND CONTACT INFORMATION OF PARTY FILING THIS DOCUMENT	<b>BENNETT JONES LLP</b> Barristers and Solicitors 4500 Bankers Hall East 855 – 2 <sup>nd</sup> Street S.W. Calgary, Alberta T2P 4K7  Attention: Keely Cameron / Sarah Aaron Telephone No.: 403-298-3324/3177 Fax No.: 403-265-7219 Client File No.: 88323.6
DATE ON WHICH ORDER WAS PRONOUNCED:	December 19, 2024
NAME OF JUDGE WHO MADE THIS ORDER:	The Honourable Justice J. R. Jeffrey
LOCATION OF HEARING:	Calgary Court Centre 601 5 St SW Calgary, AB T2P 5P7

**UPON the application** of AlphaBow Energy Ltd. ("**AlphaBow**" or the "**Applicant**") for an Order approving the sale transaction (the "**Transaction**") contemplated by the December 9, 2024, Asset Purchase and Sale Agreement (the "**Sale Agreement**") between AlphaBow and 2628069 Alberta Ltd., (the "**Purchaser**"); **AND UPON having read** the Affidavit of Ben Li, sworn December 9, 2024, the Supplemental Affidavit of Ben Li, sworn December 16, 2024, the Affidavit of Service of Stephanie

Dumoulin, and the Monitor's Sixth Report (the "**Sixth Report**"); **AND UPON noting** the November 7, 2024, decision of Justice M. H. Bourque that the 17.5% gross overriding royalty granted by AlphaBow to Advance Drilling Ltd. is not an interest in land; **AND UPON hearing** the submissions of counsel for the Applicant, counsel for KSV Restructuring Inc. (the "**Monitor**"), and any other interested parties appearing at the application;

**IT IS HEREBY ORDERED AND DECLARED THAT:**

**SERVICE**

1. Service of notice of this application and the supporting materials is hereby declared to be good and sufficient, no other person is required to have been served with notice of this application.

**APPROVAL OF TRANSACTIONS**

2. The Transaction is hereby approved. The execution of the Sale Agreement by AlphaBow is hereby ratified, confirmed and approved, with such minor amendments as AlphaBow may deem necessary and the Monitor approves. AlphaBow is hereby authorized and directed to take such additional steps and execute such additional documents as may be necessary or desirable for the completion of the transaction and for the conveyance of the assets set out in Schedule "A" hereto (the "**Purchased Assets**") to the Purchaser.

**VESTING OF PROPERTY**

3. Subject only to approval by the Alberta Energy Regulator ("**Energy Regulator**") of transfer of any applicable licenses, permits and approvals pursuant to section 24 of the *Oil and Gas Conservation Act* (Alberta) and section 18 of the *Pipeline Act* (Alberta), and upon the delivery of a Monitor's Certificate to the Purchaser substantially in the form attached as Schedule "B" hereto (the "**Monitor's Certificate**"), all of AlphaBow's right, title and interest in and to the Purchased Assets shall vest absolutely in the Purchaser, free and clear of and from any and all security interests (whether contractual, statutory, or otherwise), hypothecs, mortgages, trusts or deemed trusts (whether contractual, statutory, or otherwise), liens, executions, levies, charges, or other financial or monetary claims, whether or not they have attached or been perfected, registered or filed and whether secured, unsecured or otherwise (collectively, the "**Claims**") including, without limiting the generality of the foregoing:

- (a) any Encumbrances or Charges (as created by and defined in the Initial Order of the Honourable Justice Lema and any other Orders granted in this Action);
- (b) all charges, security interests or claims evidenced by registrations pursuant to the *Personal Property Security Act*, the *Mines and Minerals Act*, the *Land Titles Act* or any other personal, mineral or real property registry system;
- (c) any liens or claims of lien under the *Builders' Lien Act* (Alberta) or the *Prompt Payment and Construction Lien Act* (Alberta);
- (d) any linear or non-linear municipal property tax claims under the *Municipal Government Act* (Alberta), or otherwise;
- (e) any outstanding amounts owing in respect of the AER Orphan Fund Levy and Administration Fees; and
- (f) those Claims listed in Schedule "C" hereto,

(all of which are collectively referred to as the "**Encumbrances**", which term shall not include the permitted encumbrances, caveats, interests, easements, and restrictive covenants listed in Schedule "D" (collectively, "**Permitted Encumbrances**") and for greater certainty, this Court orders that all Claims including Encumbrances other than Permitted Encumbrances, affecting or relating to the Purchased Assets are hereby expunged, discharged and terminated as against the Purchased Assets.

4. Notwithstanding the provisions of paragraph 3 of this Order, this Order is without prejudice to:

- (a) the issues raised by NOVA Chemicals Corporation ("**NOVA**") in the "Application for Reconsideration and Revocation of Decision Approving Pipeline Licence Transfer" dated September 9, 2022 and NOVA's position that AlphaBow does not own and has no legal interest in or contractual right to use or operate the pipeline covered by License 46189 and accordingly no working interest or right convey to the Purchaser; and
- (b) the issues raised by NOVA in the Originating Application filed in the Court of King's Bench of Alberta in Action No. 2301-10083 and NOVA's position that AlphaBow does not own and has no legal interest in or contractual right to use or operate the pipeline covered by License 47468 and accordingly no working interest or right convey to the Purchaser.

5. The purported transfer to the Purchaser of those contracts with Nova Chemicals Corporation identified on Schedule "A" hereto under "Contracts: Expired" (namely, the CO2 Sales Agreement dated December 31, 2004 and the CO2 Pipeline Lease and Operating Agreement dated September 1, 2005 (the "**Expired Contracts**")) shall be without prejudice to NOVA Chemicals Corporation's position that: (a) the Expired Contracts were previously terminated or had expired and accordingly AlphaBow had no interest in the Expired Contracts to transfer, and (b) the Expired Contracts were not transferred to the Purchaser under the terms of the Sale Agreement.
6. Upon delivery of AlphaBow's Monitor's Certificate, and upon filing of a certified copy of this Order, together with any applicable registration fees, all governmental authorities including those referred to below in this paragraph (collectively, "**Governmental Authorities**") are hereby authorized, requested and directed to accept delivery of such Monitor's Certificate and certified copy of this Order as though they were originals and to register such transfers, interest authorizations, discharges and discharge statements of conveyance as may be required to convey to the Purchaser or its nominee clear title to the Purchased Assets subject only to Permitted Encumbrances. Without limiting the foregoing:
  - (a) the Registrar of Land Titles ("**Land Titles Registrar**") for the lands defined below shall and is hereby authorized, requested and directed to forthwith:
    - (i) cancel existing Certificates of Title identified and legally described in Schedule "A" of the Sale Agreement (the "**Lands**");
    - (ii) issue a new Certificate of Title for the Lands in the name of the Purchaser (or its nominee), namely, 2628069 Alberta Ltd.;
    - (iii) transfer to the New Certificate of Title the existing instruments listed in Schedule "D", to this Order, and to issue and register against the New Certificate of Title such new caveats, utility rights of ways, easements or other instruments as are listed in Schedule "D"; and
    - (iv) discharge and expunge the Encumbrances listed in Schedule "C" to this Order and discharge and expunge any Claims including Encumbrances (but excluding Permitted Encumbrances) which may be registered after the date of the Sale Agreement against the existing Certificate of Title to the Lands;



- (b) Alberta Energy shall and is hereby authorized, requested and directed to forthwith:
    - (i) cancel and discharge those Claims including builders' liens, security notices, assignments under section 426 (formerly section 177) of the *Bank Act* (Canada) and other Encumbrances (but excluding Permitted Encumbrances) registered (whether before or after the date of this Order) against the estate or interest of the Applicant in and to any of the Purchased Assets located in the Province of Alberta; and
    - (ii) transfer all Crown leases listed in Schedule "E" to this Order standing in the name of the Applicant, to the Purchaser (or its nominee) free and clear of all Claims including Encumbrances but excluding Permitted Encumbrances;
  - (c) the Registrar of the Alberta Personal Property Registry (the "**PPR Registrar**") shall and is hereby directed to forthwith cancel and discharge any registrations at the Alberta Personal Property Registry (whether made before or after the date of this Order) claiming security interests (other than Permitted Encumbrances) in the estate or interest of the Applicant in any of the Purchased Assets which are of a kind prescribed by applicable regulations as serial-number goods.
5. In order to effect the transfers and discharges described above, this Court directs each of the Governmental Authorities to take such steps as are necessary to give effect to the terms of this Order and the Sale Agreement. Presentment of this Order and the Monitor's Certificate shall be the sole and sufficient authority for the Governmental Authorities to make and register transfers of title or interest and cancel and discharge registrations against any of the Purchased Assets of any Claims including Encumbrances but excluding Permitted Encumbrances.
  6. No authorization, approval or other action by and no notice to or filing with any governmental authority or regulatory body exercising jurisdiction over the Purchased Assets is required for the due execution, delivery and performance by AlphaBow of the Sale Agreement, other than any required approval by the Energy Regulator referenced in paragraph 3 above.
  7. Upon delivery of the Monitor's Certificate together with a certified copy of this Order, this Order shall be immediately registered by the Land Titles Registrar notwithstanding the requirements of section 191(1) of the *Land Titles Act*, RSA 2000, c.L-7 and notwithstanding that the appeal period

in respect of this Order has not elapsed. The Land Titles Registrar is hereby directed to accept all Affidavits of Corporate Signing Authority submitted by AlphaBow.

8. For the purposes of determining the nature and priority of Claims, the net proceeds from sale of the Purchased Assets shall stand in the place and stead of the Purchased Assets from and after delivery of the Monitor's Certificate and all Claims (but excluding Permitted Encumbrances) shall not attach to, encumber or otherwise form a charge, security interest, lien, or other Claim against the Purchased Assets and may be asserted against the net proceeds from sale of the Purchased Assets with the same priority as they had with respect to the Purchased Assets immediately prior to the sale, as if the Purchased Assets had not been sold and remained in the possession or control of the person having that possession or control immediately prior to the sale. Unless otherwise ordered (whether before or after the date of this Order), no distributions shall be made to creditors of net proceeds from sale of the Purchased Assets without further order of this Court.
9. Except as expressly provided for in the Sale Agreement, the Purchaser (or its nominee) shall not, by completion of the Transaction, have liability of any kind whatsoever in respect of any Claims against AlphaBow.
10. Upon completion of the Transaction, AlphaBow and all persons who claim by, through or under AlphaBow in respect of the Purchased Assets, and all persons or entities having any Claims of any kind whatsoever in respect of the Purchased Assets, save and except for persons entitled to the benefit of the Permitted Encumbrances, shall stand absolutely and forever barred, estopped and foreclosed from and permanently enjoined from pursuing, asserting or claiming any and all right, title, estate, interest, royalty, rental, equity of redemption or other Claim whatsoever in respect of or to the Purchased Assets, and to the extent that any such persons or entities remain in the possession or control of any of the Purchased Assets, or any artifacts, certificates, instruments or other indicia of title representing or evidencing any right, title, estate, or interest in and to the Purchased Assets, they shall forthwith deliver possession thereof to the Purchaser (or its nominee).
11. The Purchaser (or its nominee) shall be entitled to enter into and upon, hold and enjoy the Purchased Assets for its own use and benefit without any interference of or by AlphaBow, or any person claiming by, through or against AlphaBow. For greater certainty, the current Energy Regulator Suspension Order dated June 5, 2023 and September 6, 2023 direction that the Orphan Well Association to have care and custody will remain in effect for any of the Purchased Assets licensed to AlphaBow by the Energy Regulator until such time as an approval of transfer is granted by the

Energy Regulator in accordance with paragraph 3 of this Order and the Suspension Order and direction are lifted.

12. Immediately upon closing of the Transaction, holders of Permitted Encumbrances shall have no claim whatsoever against AlphaBow associated with the Purchased Assets.
13. The Monitor is directed to file with the Court a copy of the Monitor's Certificate forthwith after delivery thereof to the Purchaser (or its nominee).
14. Any party asserting an entitlement to Cure Costs (as defined in the Sale Agreement), whose claim has not been barred pursuant to the Claims Process Order shall have 10 days from the issuance of this Order to make an adjustment to the Cure Cost Claim failing which the amount set out in the Proof of Claim will be deemed final, subject only to such revisions or disallowance as determined by the Monitor or the Court in accordance with the Claims Process Order.
15. The Purchaser shall notify Direct Energy Marketing Limited in writing of all sites included in the Transaction to which energy service is restored within 1 year from the date of closing of the Transaction (the "**Activated Sites**").
16. The Purchaser shall pay to Direct Energy all flow-through idle service charges levied by ATCO Electric Ltd. and incurred by Direct Energy for the Activated Sites, for the period from April 26, 2024, to the date of reconnection of energy service.
17. Canadian Natural Resources Limited may, subject to and in accordance with the applicable Assumed Contract, consider and process (or refuse to process) any requests for assignment and novation of the Assumed Contracts as and when received from AlphaBow or the Purchaser. The foregoing is without prejudice to the ability of AlphaBow to seek an assignment pursuant to section 11.3 of the CCAA.

#### **MISCELLANEOUS MATTERS**

18. Notwithstanding:
  - (a) the pendency of these proceedings and any declaration of insolvency made herein;
  - (b) the pendency of any applications for a bankruptcy order now or hereafter issued pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c.B-3, as amended (the "**BIA**"), in

respect of the Applicant, and any bankruptcy order issued pursuant to any such applications;

- (c) any assignment in bankruptcy made in respect of AlphaBow; and
- (d) the provisions of any federal or provincial statute,

the vesting of the Purchased Assets in the Purchaser (or its nominee) pursuant to this Order shall be binding on any trustee in bankruptcy that may be appointed in respect of AlphaBow and shall not be void or voidable by creditors of AlphaBow, nor shall it constitute nor be deemed to be a transfer at undervalue, settlement, fraudulent preference, assignment, fraudulent conveyance, or other reviewable transaction under the BIA or any other applicable federal or provincial legislation, nor shall it constitute oppressive or unfairly prejudicial conduct pursuant to any applicable federal or provincial legislation.

- 19. AlphaBow, the Monitor, the Purchaser (or its nominee) and any other interested party, shall be at liberty to apply for further advice, assistance and direction as may be necessary in order to give full force and effect to the terms of this Order and to assist and aid the parties in closing the Transaction.
- 20. This Honourable Court hereby requests the aid and recognition of any court, tribunal, regulatory or administrative body having jurisdiction in Canada or in any of its provinces or territories or in any foreign jurisdiction, to act in aid of and to be complimentary to this Court in carrying out the terms of this Order, to give effect to this Order and to assist AlphaBow and its agents in carrying out the terms of this Order. All courts, tribunals, regulatory and administrative bodies are hereby respectfully requested to make such order and to provide such assistance to AlphaBow, as may be necessary or desirable to give effect to this Order or to assist AlphaBow and its agents in carrying out the terms of this Order.
- 21. Service of this Order shall be deemed good and sufficient by:
  - (a) Serving the same on:
    - (i) the persons listed on the service list created in these proceedings;
    - (ii) any other person served with notice of the application for this Order;
    - (iii) any other parties attending or represented at the application for this Order;

(iv) the Purchaser or the Purchaser's solicitors; and

(b) Posting a copy of this Order on the Monitor's website at:  
<https://www.ksvadvisory.com/experience/case/alphabow>

and service on any other person is hereby dispensed with.

22. Service of this Order may be effected by facsimile, electronic mail, personal delivery or courier. Service is deemed to be effected the next business day following transmission or delivery of this Order.

J.C.K.B.A.

A handwritten signature in black ink, appearing to be 'J.C.K.B.A.', written over a horizontal line.

## SCHEDULE A

### Assets Listing

**Attached to 2628069 Asset Purchase and Sale Agreement with AlphaBow Energy Ltd. dated  
December 9, 2024**

**Lands Schedule/Mineral Property: (see Mineral Property Report attached to Appendix 1)**

Consent from Alberta Energy for water disposal for section 24-39-26W4M.

Township 41 – Range 25 W4M – Section 4

**Farmin (Capital Program and Earning) Between 2628069 Alberta Ltd. and 2628071 Alberta Ltd.**

The relationship between 2628069 Alberta Ltd. and 2628071 Alberta Ltd. is such that 2628069 Alberta Ltd. on terms akin to a typical farmin will earn 45% of the 2628071 Alberta Ltd. mineral interests in Chigwell by spending \$10 million on the joint lands, facilities and EOR projects to increase the gross oil production to in the order of 1000 bopd. The ongoing arrangement will be such that 2628069 Alberta Ltd. will be motivated to keep the production at a level of 1000 bopd or more and will carry the up front capital costs of doing so if necessary (subject to a below industry standard recovery of 150% of the up front capital).

**Wells:**

See 2628069 Alberta Ltd. Well List attached to Appendix 2.

**Facilities:**

Operatorship and 45% of AlphaBow's 85% remaining working interest in the following Facility Licenses.

UWI	License #
03-04-039-25W4	F34092
05-30-039-25W4	F33789

Operatorship and 45% of AlphaBow's 95% remaining working interest in the following Facility Licenses.

<b>UWI</b>	<b>License #</b>
05-22-041-25W4	F8758
05-22-041-25W4	F8759
14-13-042-26W4	F9026
08-24-042-26W4	F9027
16-32-043-26W4	F9290

**Pipelines:**

Operatorship and 100% of AlphaBow's remaining working interest in the following pipeline licenses and segments.

License 13656 Segments 2,3,8	License 14158 Segments 1,2
License 12739 Segment 3	License 16490 Segment 1
License 42036 Segments 1,2,3	License 45480 Segment 1
License 45481 Segment 1	License 45824 Segment 1
License 45411 Segment 1	License 45412 Segments 1,2
License 46189 Segment 1	License 47468 Segment 1
License 57364 Segments 1,2	License 57366 Segment 1
License 57371 Segments 1,2,3,4	License 57372 Segments 1
License 57373 Segments 1,2,3	License 57374 Segments 1,2,3,4,5,6,7,8
License 57387 Segments 1,2	License 57388 Segments 1,2,3,4,5,6,7,8,9,10,11
License 57827 Segments 1,2	License 57847 Segments 1,2,3,4
License 61850 Segment 1	License 61356 Segment 2
License 61820 Segment 1	License 61570 Segment 1

Operatorship and 45% of AlphaBow's remaining 95% working interest in the following pipeline licenses and segments.

License 13514 Segments 2,4,5	License 12540 Segment 1
License 13656 Segments 4,5	License 14084 Segments 1,2
License 14157 Segments 3,4,5	License 14158 Segments 2,3,4
License 15013 Segments 1,2	License 12739 Segment 2
License 15423 Segments 1,2	License 15535 Segments 1,2,3,5
License 16490 Segments 2,3,4,5,7,8	License 21581 Segment 2
License 21607 Segments 2,6,7,8	License 21946 Segment 1
License 23090 Segment 5	License 24272 Segments 4,5,6
License 24740 Segments 3,4,5,7,10,11,12,13,15,16,17,18,19,20,21,22,23,24,25,26,27,28	License 24993 Segments 2,3,4
License 24741 Segments 1,2	License 29610 Segment 1
License 29532 Segment 1	License 33447 Segment 1
License 31719 Segments 3,4	License 37508 Segment 1
License 35502 Segments 4,5	License 41647 Segment 1
License 39770 Segment 1	License 53121 Segments 1,2
License 43170 Segment 1	License 54763 Segment 1
License 53122 Segments 1,2	License 55217 Segments 1,2
License 54764 Segment 1	
License 56236 Segment 1	
License 57362 Segments 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17	
License 57363 Segment 1	License 57365 Segments 1,2,3,4,5
License 57367 Segments 1,2	License 57368 Segments 1,2
License 57369 Segments 1,2	License 57370 Segments 1,2,3,4,5,6,7,8
License 57375 Segment 1	License 57376 Segments 1,2,3
License 57377 Segment 1	License 57378 Segment 1
License 57379 Segment 1	License 61488 Segment 1
License 61489 Segment 1	License 61490 Segment 1
License 11162 Segment 1	License 13540 Segment 1
License 15770 Segment 1	License 16014 Segment 1
License 20055 Segment 1	License 20654 Segment 1
License 28077 Segment 1	License 29234 Segment 1
License 33292 Segment 1	License 37098 Segment 1
License 52277 Segment 1	



## **Contracts:**

### **1. CO<sub>2</sub> Facilities Agreements**

#### **Existing**

- Agreement for the Construction Ownership and Operation of the Glencoe CO<sub>2</sub> Production Facility dated August 31, 2005

#### **Expired**

- CO<sub>2</sub> Sales Agreement with Nova Chemicals Corporation dated December 31, 2004
- CO<sub>2</sub> Pipeline Lease and Operating Agreement with Nova Chemicals Corporation dated September 1, 2005
- Glencoe CO<sub>2</sub> Receipt Facilities Lease Agreement dated March 1, 2005

### **2. EOR Facilities Agreements**

#### **Existing**

- Agreement for the Construction Ownership and Operation of The Chigwell Viking “E” Pool Battery 08-24-42-26 W4M (*Omers -33.7764815%, Superman - 18.1873385%*)
- Agreement for the Construction Ownership and Operation of the Morningside Gas Plant 14-13-42-26 W4M (*AlphaBow by functional unit – Solution Gas Compressor and Line – 51.727410%, Inlet Compressor – 9.983240%, Gas Processing and Sales Gas Line (a) Plant – 9.982740%, Gas Processing and Gas Sales Line (b) Plant – 9.982740%, Common Facilities - 12.654500%, Overall Facility Participation – 12.654500%*)
- Agreement For The Construction, Ownership and Operation of the Chigwell Gas Plant (Viking B) – (*Omers 5.4396550%, Superman 2.9290450%*)

Note: Above where Omers Energy Inc. and Superman Resources Inc. interests are shown in brackets and italic, this is because AlphaBow may only be successor in title to these interests in some or all of these facilities. The other working interests may have originally been Glencoe Resources Ltd., Questfire Energy Corp. etc, and may now reside with the Orphan Well Association because AlphaBow may not have elected to take those interests.

### **3. Chigwell Alberta – Joint Operating Agreement**

Joint Operating Agreement – Chigwell Alberta dated September 9, 2023 between AlphaBow Energy Ltd. and Cascade Energy Ltd.

### **4. Pipeline Easements**

All pipeline easement contracts related to the pipeline licenses listed in the pipelines section above.

**APPENDIX 1**  
**MINERAL PROPERTY REPORT**  
**(See attached)**