



**Sunshine Oilsands Ltd., Athabasca  
Oil Sands Corp., Total E&P Canada  
Ltd., and Perpetual Energy Operating  
Corp.**

**Applications and a Request for the Shut-in  
and Production of Gas  
Liege Field  
Athabasca Oil Sands Area**

**December 13, 2011**

**ENERGY RESOURCES CONSERVATION BOARD**

Decision 2011 ABERCB 035: Sunshine Oilsands Ltd., Athabasca Oil Sands Corp., Total E&P Canada Ltd., and Perpetual Energy Operating Corp., Applications and a Request for the Shut-in and Production of Gas, Liege Field, Athabasca Oil Sands Area

December 13, 2011

Published by

Energy Resources Conservation Board  
Suite 1000, 250 – 5 Street SW  
Calgary, Alberta  
T2P 0R4

Telephone: 403-297-8311  
Toll free: 1-855-297-8311  
E-mail: [Hinfoservices@ercb.ca](mailto:Hinfoservices@ercb.ca)  
Web site: [Hwww.ercb.ca](http://Hwww.ercb.ca)

## CONTENTS

Decision .....	1
Applications and Requests.....	1
Interventions .....	2
Discussion.....	2
Appendix 1    Hearing Participants.....	6
Appendix 2    Shut-in Intervals.....	8



## ENERGY RESOURCES CONSERVATION BOARD

---

Calgary Alberta

**SUNSHINE OILSANDS LTD.**

**ATHABASCA OIL SANDS CORP.**

**TOTAL E&P CANADA LTD.**

**PERPETUAL ENERGY OPERATING CORP.**

**APPLICATIONS AND A REQUEST FOR THE**

**SHUT-IN AND PRODUCTION OF GAS**

**LIEGE FIELD**

**ATHABASCA OIL SANDS AREA**

**2011 ABERCB 035**

**Applications No. 1613543, 1647807, 1616123,**

**1506272 and Athabasca Oil Sands Corp.'s**

**April 15, 2010 Submission**

---

### DECISION

[1] The Energy Resources Conservation Board (ERCB/Board) approves the requests for permanent shut-in of natural gas production made in Applications No. 1613543, 1647807, and 1616123 by Sunshine Oilsands Ltd. (Sunshine), Athabasca Oil Sands Corp. (AOSC), and Total E&P Canada Ltd. (Total), respectively, and in AOSC's April 15, 2010 submission and denies Application No. 1506272 by Perpetual Energy Operating Corp. (Perpetual) for gas production. The Board will issue an order requiring the shut-in of gas production in due course.

### INTRODUCTION

#### Applications and Requests

[2] Sunshine applied, pursuant to Section 3(5) of the *Oil Sands Conservation Regulation (OSCR)*, for the interim and permanent shut-in of gas production from various intervals in 104 wells within and around the Liege Wabiskaw O Pool. Subsequently, Sunshine requested the interim and permanent shut-in of gas production from three more intervals, two of which were in additional wells.

[3] In support of Sunshine's application, AOSC filed a submission on April 15, 2010, requesting the interim and permanent shut-in of gas production from 38 intervals in 25 wells in Sunshine's application area. In addition, AOSC applied, pursuant to Section 3(5) of the *OSCR*, for the interim and permanent shut-in of gas production from 256 intervals in 188 wells in its own application area.

[4] Total applied, pursuant to Section 3(5) of the *OSCR*, to include the well at Legal Subdivision 6, Section 4, Township 94, Range 17, West of the 4th Meridian (6-4 well) within Sunshine's region of influence<sup>1</sup> and further applied for the interim shut-in of the 6-4 well.

[5] Paramount Energy Operating Corp. (predecessor to Perpetual) applied to produce gas from the Wabiskaw zone in the well with the unique well identifier 02/1-28-93-18W4M.<sup>2</sup>

---

<sup>1</sup> Sunshine's region of influence was defined by its interpretation of the zero edges of the gas accumulation isopachs and the zero edge of the lean bitumen zero isopach.

<sup>2</sup> "02" is the location exception code for that well location.

## Interventions

[6] The Board received written submissions from the following parties who either supported or objected to the shut-in requests or otherwise indicated an intention to monitor or participate in the proceeding:

- AOSC and Grizzly Oilsands ULC supported Sunshine's application.
- Husky Oil Operations Limited supported AOSC's application and shut-in request.
- Canadian Natural Resources Limited (CNRL) objected to the shut-in requests by Sunshine and AOSC.
- Perpetual objected to the shut-in requests made by Total, Sunshine, and AOSC.
- Japan Canada Oil Sands Limited objected to Sunshine's application.
- Bonavista Petroleum Limited, EnCana Oil & Gas Co. Ltd., and its successor Cenovus Energy Inc. registered as parties interested in the proceeding but did not file a submission taking a position on the applications.

## DISCUSSION

[7] The Board conducted two written, interim hearings over the course of the proceeding, which resulted in *Decision 2009-061: Sunshine Oilsands Ltd. and Total E&P Canada Ltd., Applications for Interim Shut-in of Gas, Liege Field, Athabasca Oil Sands Area*, and *Decision 2011 ABERCB 012: Athabasca Oil Sands Corp., Requests for Interim Shut In of Gas, Liege Field, Athabasca Oil Sands Area*.

[8] In *Decision 2009-061*, the Board considered Sunshine and Total's applications for the interim shut-in of gas production. The Board decided that production of natural gas from the 158 wells in the pools that were considered may present an unacceptable risk to future in situ bitumen recovery. The Board concluded that all producing intervals in the particular pools identified in the decision, all of which were located in the Sunshine application area, must be shut in.

[9] In *Decision 2011 ABERCB 012*, the Board considered both the application and the April 15, 2010 submission from AOSC for the interim shut-in of gas production. The Board decided that production of natural gas from 321 wells in the pools that were considered in the interim proceeding may present an unacceptable risk to future in situ bitumen recovery. The Board concluded that all producing intervals in the particular pools identified in the decision, all of which are located in both Sunshine and AOSC's application areas, must be shut in.

[10] In both *Decision 2009-061* and *Decision 2011 ABERCB 012*, the Board concluded that

- the gas in the pools is in communication with bitumen,
- the bitumen is potentially recoverable,

- the continued production of gas from the pools presented an unacceptable risk to bitumen recovery, and
- there is sufficient urgency to justify the interim shut-in of natural gas production.

[11] Perpetual and CNRL are the licensees of most of the gas wells affected by *Decision 2009-061* and *Decision 2011 ABERCB 012*. Before the Board issued *Decision 2011 ABERCB 012*, Perpetual withdrew its objection to the Board shutting in gas production from wells that were to be considered by the Board in the second interim hearing. Perpetual stated that it would not withdraw its application for gas production (Application No. 1506272) because doing so would leave production from the well in an unresolved state, leaving the question of whether the gas was associated with the Liege Wabiskaw O Pool unanswered.

[12] Once *Decision 2011 ABERCB 012* had been issued, CNRL advised the Board in a letter dated June 15, 2011, that it was withdrawing its further objection to the shut-in of gas production from the wells and intervals listed in both *Decision 2009-061* and *Decision 2011 ABERCB 012*. CNRL also stated that it would not be attending, introducing evidence, or otherwise participating in a final hearing on the continued shut-in of gas from the intervals addressed in these decisions. CNRL did not participate further in the proceeding but did maintain its right to be notified of and object to any subsequent applications that might directly and adversely affect the shut-in gas.

[13] On June 24, 2011, Board staff held an organizational meeting for interested parties to discuss the process and timing of the final hearing to consider the applications for permanent shut-in orders. The Board did not participate in the meeting but was provided with the minutes of the meeting. These minutes indicated that

- the applicants and interveners had each filed the information they intended to file in relation to the applications and no party intended to file additional information in the final hearing or question another party about the information it had submitted;
- the parties agreed that the Board had all the information it needed to make final decisions and that no party requested or saw a need for a final hearing;
- Sunshine, AOSC, and Husky agreed that there may be a lingering issue with identifying wells at the boundaries of the shut-in pools. To avoid wells being inadvertently left out of the final shut-in order, they stated that there was a need to ensure the completeness of the order. Perpetual agreed that the final shut-in order should be a comprehensive list of all the wells that are in the pools shut in by *Decision 2009-061* and *Decision 2011 ABERCB 012* and related shut-in orders; and
- Perpetual stated that it would withdraw its gas production application if the 02/1-28-93-18W4M well was included in the final shut-in order.

[14] On November 1, 2011, Board staff provided interested parties with a proposed list of intervals to be considered for the final shut-in order for comment before giving the list to the Board. Husky identified two abandoned wells that it believed should be added to the proposed list. Board staff reviewed the two wells and noted that one of them was already on the list. Board staff added the other well to the final shut-in list and subsequently gave the Board the list, reporting that no other party had indicated a concern with the list.

[15] Having considered the information filed over the course of this proceeding and the views of the parties as indicated in the minutes of the June 24, 2011 organizational meeting, the Board believes that it has sufficient information to make a final decision on the permanent shut-in of gas production requested by the applicants and that a final hearing is not needed. The Board also believes it has sufficient information to decide Perpetual's application for gas production.

[16] Based on the information filed in the proceeding and for the reasons provided in *Decision 2009-061* and *Decision 2011 ABERCB 012*—reasons that the Board hereby adopts as part of this decision—the Board concludes that production of gas from the intervals in the wells listed in Appendix 2 may present an unacceptable risk to the ultimate recovery of Wabiskaw bitumen. Production from the listed intervals must, therefore, be shut in no later than December 31, 2011, or remain shut in if they have already been shut in. This decision and the resulting order supersede any previously issued orders on commingled production from the intervals listed in Appendix 2.

[17] The Board interprets the gas intervals in Perpetual's 02/1-28-93-18W4M well to be within one of the shut-in pools, specifically the Liege Wabiskaw O Pool. The Board, therefore, denies Perpetual's application and has added the well to the shut-in list.

[18] For the reasons provided in *Decision 2009-061* and *Decision 2011 ABERCB 012*, the Board has revised its net gas pay maps. New pool orders reflecting the pooling changes will be issued in due course.

[19] In overlapping gas pools where one pool is required to be shut in and another is not, there must be segregation between the pools in all wellbores or all the intervals in the wells must be shut in. For wells that continue to produce gas under this requirement, zonal segregation tests must be conducted and submitted to the ERCB in accordance with Section 11.150(1) and (2) of the *Oil and Gas Conservation Regulations* to confirm that segregation has been established.

Dated in Calgary, Alberta, on December 13, 2011.

## **ENERGY RESOURCES CONSERVATION BOARD**

<original signed by>

J. D. Dilay, P.Eng.  
Presiding Member



*<original signed by>*

B. T. McManus, Q.C.  
Board Member

*<original signed by>*

R. J. Willard, P.Eng.  
Acting Board Member

## APPENDIX 1 HEARING PARTICIPANTS

---

### Principals and Representatives (Abbreviations used in report)

---

#### Athabasca Oil Sands Corp. (AOSC)

R. W. Block, Q.C.  
R. Williams  
S. Svarte  
I. Atkinson

#### Bonavista Petroleum Limited and Bonavista Energy Corporation

S. Wilhelm

#### Canadian Natural Resources Limited (CNRL)

P. J. McGovern  
D. Hebert  
J. Urdaneta

#### EnCana Oil & Gas Co. Ltd. and its successor Cenovus Energy Inc. (Cenovus)

N. Thusoo

#### Grizzly Oilsands ULC (Grizzly)

J. Pearce

#### Japan Canada Oil Sands Limited (JACOS)

B. Rennie

#### Husky Oil Operations Limited (Husky)

R. W. Block, Q.C.  
R. Williams  
T. Peper  
S. Anderson

#### Perpetual Energy Operating Corp. (Perpetual)

L. Martinuzzi, P.Eng.

#### Sunshine Oilsands Ltd. (Sunshine)

R. W. Block, Q.C.  
R. Williams  
D. Brown, P.Eng.

#### Total E&P Canada Ltd. (Total)

D. Derwortz

Energy Resources Conservation Board staff

G. D. Perkins, Board Counsel

D. Burns, Board Counsel

G. W. Dilay, P.Eng.

T. Hurst

B. Law, P.Eng.

E. Wo, P.Geol.

---

## APPENDIX 2 SHUT-IN INTERVALS

### Company Abbreviations

AOSC	Athabasca Oil Sands Corp.
BONAVISTA	Bonavista Energy Corporation
BOW VALLEY	Bow Valley Energy Ltd.
BP	BP Canada Energy Company
CENOVUS	Cenovus Energy Inc.
CNRL	Canadian Natural Resources Limited
COSEKA	Coseka Resources Limited
DEVON	Devon Canada Corporation
EXXONMOBIL	ExxonMobil Canada Ltd. And ExxonMobil Resources Ltd.
GUARD	Guard Resources Ltd.
GULF	Gulf Canada Resources Ltd.
HERSHEY	Hershey Oil Corporation
HUSKY	Husky Oil Operations Limited
IMPERIAL	Imperial Oil Resources Limited
MARATHON	Marathon Canada Limited
MIDWAY	Midway Energy Ltd.
PARAMOUNT	Paramount Resources Ltd.
PERPETUAL	Perpetual Energy Operating Corp.
PETROBAKKEN	Petrobakken Energy Ltd.
PETROBANK	Petrobank Energy and Resources Ltd.
SHELL	Shell Canada Limited
SUNCOR	Suncor Energy Inc.
TAQA NORTH	Taqa North Ltd.
TERCERO	Tercero Resources Company
TRIQUEST	Triquest Energy Corp.

### Shut-in intervals

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE GROSMONT A	00/05-29-091-20W4/0	236.5	244.3	Grosmont	PERPETUAL
	00/03-30-091-20W4/0	231	248.2	Grosmont	PERPETUAL
	00/10-31-091-20W4/0	226.5	251.7	Grosmont	PERPETUAL
	00/13-32-091-20W4/0	227	249.2	Grosmont	PARAMOUNT
	00/07-26-091-21W4/0	245.5	254.5	Grosmont	HUSKY
	02/07-26-091-21W4/0	245	254.1	Grosmont	CNRL
	00/06-36-091-21W4/0	245.1	257	Grosmont	CNRL
	00/01-05-092-20W4/0	224	247.5	Grosmont	CNRL
	00/07-06-092-20W4/0	219.2	251.8	Grosmont	CNRL
	00/11-07-092-20W4/0	228	257.5	Grosmont	CNRL
	00/11-08-092-20W4/0	215.5	243.23	Grosmont	CNRL
	00/10-18-092-20W4/0	229.5	258.8	Grosmont	CNRL
	00/10-19-092-20W4/0	223	254.3	Grosmont	CNRL
	00/02-20-092-20W4/0	224	246	Grosmont	CNRL
	00/11-22-092-20W4/0	214	243	Grosmont	CNRL
00/07-28-092-20W4/0	212	245.6	Grosmont	CNRL	

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE GROS MONT A (cont'd)	00/06-29-092-20W4/0	214.6	241.9	Gros mont	CNRL
	00/06-31-092-20W4/0	231	262.5	Gros mont	CNRL
	00/05-36-092-20W4/0	252.3	253.3	Gros mont	PERPETUAL
	00/15-01-092-21W4/0	241.2	247.5	Gros mont	CNRL
	00/06-02-092-21W4/0	251.5	260.4	Gros mont	CNRL
	00/07-09-092-21W4/0	270.5	282	Gros mont	CNRL
	00/06-10-092-21W4/0	251	271	Gros mont	CNRL
	00/11-12-092-21W4/0	247	269.1	Gros mont	CNRL
	00/06-13-092-21W4/0	250.5	270.9	Gros mont	CNRL
	00/10-14-092-21W4/0	241.8	263	Gros mont	CNRL
	00/07-15-092-21W4/0	241.8	265.2	Gros mont	CNRL
	00/01-16-092-21W4/0	265.8	282.2	Gros mont	CNRL
	00/07-17-092-21W4/0	260.36	261.35	Gros mont	CNRL
	00/10-20-092-21W4/0	242.2	262	Gros mont	CNRL
	00/10-21-092-21W4/0	249	272.6	Gros mont	CNRL
	00/10-22-092-21W4/0	246.5	265.9	Gros mont	CNRL
	00/07-24-092-21W4/0	226.6	256	Gros mont	CNRL
	00/06-26-092-21W4/0	244.3	279.3	Gros mont	CNRL
	00/05-27-092-21W4/0	238.4	262.3	Gros mont	CNRL
	00/10-32-092-21W4/0	258.5	286.7	Gros mont	CNRL
	00/06-35-092-21W4/0	245	275.8	Gros mont	CNRL
	00/08-25-092-22W4/0	284.5	287.4	Gros mont	TERCERO
	00/16-25-092-22W4/0	305	308.7	Gros mont	TERCERO
	00/16-35-092-22W4/0	309.4	317.5	Gros mont	TERCERO
	00/06-36-092-22W4/0	318	333	Gros mont	TERCERO
	00/06-03-093-20W4/0	237	240.2	Gros mont	CNRL
	00/11-08-093-20W4/0	229	256.3	Gros mont	CNRL
	00/06-29-093-20W4/0	289	314	Gros mont	CNRL
	00/05-31-093-20W4/0	332	363.4	Gros mont	PERPETUAL
	00/06-01-093-21W4/0	233	269	Gros mont	CNRL
	00/02-02-093-21W4/3	241	278.7	Gros mont	CNRL
	00/02-03-093-21W4/0	246.6	277	Gros mont	CNRL
	00/03-04-093-21W4/0	254.5	282.3	Gros mont	CNRL
	00/02-05-093-21W4/0	295	315.4	Gros mont	CNRL
	00/01-06-093-21W4/0	298.5	317.7	Gros mont	CNRL
	00/06-08-093-21W4/0	298.1	323.1	Gros mont	CNRL
	00/06-10-093-21W4/0	253	279.7	Gros mont	CNRL
	00/11-14-093-21W4/0	270.1	295.9	Gros mont	IMPERIAL
	00/11-29-093-21W4/0	340.5	363	Gros mont	MARATHON
	00/16-33-093-21W4/0	359	391.1	Gros mont	AOSC
	00/15-35-093-21W4/0	356.2	390.8	Gros mont	PERPETUAL
	00/01-01-093-22W4/0	310	323.6	Gros mont	TERCERO
	00/15-01-093-22W4/0	314	336.9	Gros mont	BOW VALLEY
	00/08-02-093-22W4/0	325	344.8	Gros mont	TERCERO
	00/16-02-093-22W4/0	342.9	349.2	Gros mont	TERCERO
	00/09-11-093-22W4/0	342	355.6	Gros mont	TERCERO
	00/15-11-093-22W4/0	355	368.1	Gros mont	TERCERO

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE GROSMONT A (cont'd)	00/11-12-093-22W4/0	342	356.6	Grosmont	BOW VALLEY
	00/07-13-093-22W4/0	340.5	358	Grosmont	CNRL
	00/09-14-093-22W4/0	371.8	383.5	Grosmont	TERCERO
	00/15-15-093-22W4/0	390.8	392.6	Grosmont	TERCERO
	00/16-15-093-22W4/0	381.9	392.9	Grosmont	TERCERO
	00/06-23-093-22W4/0	388.3	411.7	Grosmont	CNRL
	00/11-26-093-22W4/0	390	405.8	Grosmont	CNRL
	00/07-28-093-22W4/0	414.5	427.9	Grosmont	CNRL
	00/14-35-093-22W4/0	415.4	429.3	Grosmont	PERPETUAL
	00/11-05-094-20W4/0	332	355.3	Grosmont	DEVON
	00/07-06-094-20W4/0	355	386.5	Grosmont	PERPETUAL
	00/10-07-094-20W4/0	326	360.4	Grosmont	PERPETUAL
	00/04-19-094-20W4/0	372	387.9	Grosmont	DEVON
	00/04-01-094-21W4/0	369.3	392.7	Grosmont	AOSC
	00/10-02-094-21W4/0	368.8	408.3	Grosmont	PERPETUAL
	00/10-03-094-21W4/0	366	400.9	Grosmont	AOSC
	00/11-04-094-21W4/0	378.5	412	Grosmont	AOSC
	02/11-04-094-21W4/0	377.9	410	Grosmont	PERPETUAL
	00/13-05-094-21W4/0	384	409.7	Grosmont	PERPETUAL
	00/15-06-094-21W4/0	356.2	382.2	Grosmont	PERPETUAL
	00/06-08-094-21W4/0	365	393	Grosmont	PERPETUAL
	02/06-08-094-21W4/0	364	392.2	Grosmont	PERPETUAL
	00/07-09-094-21W4/0	372	410.5	Grosmont	PERPETUAL
	00/01-10-094-21W4/0	368	406.7	Grosmont	AOSC
	00/10-10-094-21W4/0	360.8	402.1	Grosmont	PERPETUAL
	02/10-10-094-21W4/0	359	400.8	Grosmont	PERPETUAL
	00/06-11-094-21W4/0	339.5	383.9	Grosmont	PERPETUAL
	00/07-15-094-21W4/0	383	415.6	Grosmont	PERPETUAL
	00/10-17-094-21W4/0	377.3	394.1	Grosmont	AOSC
	00/11-22-094-21W4/0	386	416.4	Grosmont	PERPETUAL
	02/11-22-094-21W4/0	386.6	415.6	Grosmont	PERPETUAL
	00/04-23-094-21W4/0	349.7	387.3	Grosmont	PERPETUAL
	00/11-29-094-21W4/0	469.4	489.5	Grosmont	PERPETUAL
	00/02-34-094-21W4/0	450.5	454.9	Grosmont	PARAMOUNT
	00/10-01-094-22W4/0	403	430.2	Grosmont	PERPETUAL
	00/04-02-094-22W4/0	411	433.8	Grosmont	PERPETUAL
	00/05-03-094-22W4/0	393	419	Grosmont	PERPETUAL
	00/07-09-094-22W4/0	418.2	445	Grosmont	CNRL
	00/10-12-094-22W4/0	364.5	390.5	Grosmont	AOSC
	00/07-19-094-22W4/0	462.5	472.7	Grosmont	PERPETUAL
	00/11-21-094-22W4/0	481	491.2	Grosmont	AOSC
	00/11-22-094-22W4/0	466	474.3	Grosmont	AOSC
	00/14-23-094-22W4/0	467	484.2	Grosmont	AOSC
	00/06-25-094-22W4/0	491.5	508.8	Grosmont	AOSC
	02/11-33-094-22W4/0	495	502.3	Grosmont	HERSHEY
	00/07-06-095-21W4/0	504.5	521.2	Grosmont	AOSC
	00/06-07-095-21W4/0	530	542	Grosmont	AOSC

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE GROSMONT A (cont'd)	00/10-08-095-21W4/0	520.3	541.3	Grosmont	AOSC
	00/11-10-095-21W4/0	539	544.8	Grosmont	SUNCOR
	00/07-02-095-22W4/0	507.5	526.6	Grosmont	AOSC
	00/10-15-095-22W4/0	519.1	521.2	Grosmont	PERPETUAL
	00/07-21-095-22W4/0	509.5	516.2	Grosmont	PERPETUAL
	00/07-24-095-22W4/0	530	534	Grosmont	PERPETUAL
LIEGE GROSMONT E	00/07-19-090-19W4/0	244.5	257.0	Grosmont	PERPETUAL
	00/04-30-090-19W4/0	240.4	250.0	Grosmont	PERPETUAL
	00/03-20-090-20W4/0	235.6	240.0	Grosmont	BONAVISTA
	00/11-22-090-20W4/0	254.1	261.0	Grosmont	PERPETUAL
	00/12-23-090-20W4/0	252.0	281.0	Grosmont	PERPETUAL
	00/06-25-090-20W4/0	238.5	255.5	Grosmont	PERPETUAL
	00/03-26-090-20W4/0	243.0	264.0	Grosmont	PARAMOUNT
	00/06-27-090-20W4/0	249.2	258.6	Grosmont	PERPETUAL
	00/10-29-090-20W4/0	225.9	239.0	Grosmont	BONAVISTA
	00/07-32-090-20W4/0	222.5	237.4	Grosmont	BONAVISTA
	00/08-33-090-20W4/0	232.6	245.7	Grosmont	PERPETUAL
	00/14-34-090-20W4/0	231.0	259	Grosmont	PERPETUAL
	00/01-35-090-20W4/0	240.5	259.1	Grosmont	PERPETUAL
	00/04-35-090-20W4/0	245.6	256.6	Grosmont	PERPETUAL
	00/04-36-090-20W4/0	237	254.1	Grosmont	PERPETUAL
	00/04-06-091-19W4/0	235	249	Grosmont	PARAMOUNT
	00/04-07-091-19W4/0	233	248	Grosmont	PERPETUAL
	00/06-01-091-20W4/0	229.8	240.1	Grosmont	AOSC
	00/07-02-091-20W4/2	229.5	242.8	Grosmont	PERPETUAL
	00/11-03-091-20W4/0	225.9	242.6	Grosmont	PERPETUAL
	00/11-07-091-20W4/0	230.3	253	Grosmont	PERPETUAL
	00/13-08-091-20W4/0	235	260	Grosmont	PERPETUAL
	00/12-17-091-20W4/0	230	255	Grosmont	PERPETUAL
00/06-18-091-20W4/0	229	254.1	Grosmont	PERPETUAL	
00/01-19-091-20W4/0	225.3	258	Grosmont	PERPETUAL	
00/07-20-091-20W4/0	239	243	Grosmont	PERPETUAL	
00/11-12-091-21W4/0	229.8	244	Grosmont	AOSC	
00/16-12-091-21W4/0	233.8	250.8	Grosmont	PERPETUAL	
LIEGE GROSMONT G	00/13-13-090-19W4/0	231.0	241.6	Grosmont	AOSC
	00/11-14-090-19W4/0	248.5	261.3	Grosmont	AOSC
	02/11-14-090-19W4/0	251.0	261.0	Grosmont	AOSC
	00/10-21-090-19W4/0	236.9	249.8	Grosmont	AOSC
	00/10-22-090-19W4/0	237.5	245.3	Grosmont	AOSC
	00/06-26-090-19W4/0	230.0	237.5	Grosmont	AOSC
	00/06-27-090-19W4/0	231.6	241.0	Grosmont	PERPETUAL
	00/06-28-090-19W4/0	237.0	244.5	Grosmont	PERPETUAL
	00/06-34-090-19W4/0	235.0	246.8	Grosmont	AOSC
	00/06-35-090-19W4/0	231.5	238.5	Grosmont	AOSC
	00/06-03-091-19W4/0	240.6	250	Grosmont	AOSC
	00/11-10-091-19W4/0	242.7	249	Grosmont	AOSC
	00/10-16-091-19W4/0	251.5	260.5	Grosmont	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE GROSMONT G (cont'd)	00/02-22-091-19W4/0	242.8	245.8	Grosmont	AOSC
	02/02-22-091-19W4/0	243.0	243.7	Grosmont	PERPETUAL
LIEGE GROSMONT H	00/10-03-090-20W4/0	252	260.5	Grosmont	BONAVISTA
	00/11-11-090-20W4/0	254.7	273	Grosmont	PARAMOUNT
LIEGE GROSMONT I	00/10-10-092-19W4/0	266.5	270	Grosmont	PERPETUAL
	00/10-16-092-19W4/0	265.8	270	Grosmont	PERPETUAL
LIEGE GROSMONT J	00/02-05-092-19W4/0	251	256.3	Grosmont	PERPETUAL
LIEGE LEDUC A	00/01-07-093-18W4/0	256.3	256.8	Leduc	AOSC
	00/02-19-093-18W4/0	235.7	260.3	Leduc	PERPETUAL
	00/14-30-093-18W4/0	238	261.7	Leduc	AOSC
	00/11-31-093-18W4/0	242	264.8	Leduc	AOSC
	00/14-03-093-19W4/0	258.3	263.2	Leduc	AOSC
	00/10-04-093-19W4/0	251.2	263.2	Leduc	AOSC
	00/07-12-093-19W4/0	251.9	259	Leduc	PERPETUAL
	00/10-13-093-19W4/0	243.5	258.7	Leduc	AOSC
	00/11-14-093-19W4/0	243	258.9	Leduc	PERPETUAL
	00/07-22-093-19W4/0	239	265	Leduc	PERPETUAL
	00/10-24-093-19W4/0	234.6	260.2	Leduc	HUSKY
	02/10-24-093-19W4/0	239	260.2	Leduc	PERPETUAL
	00/10-25-093-19W4/0	238.7	261.6	Leduc	AOSC
	00/08-27-093-19W4/0	249.3	267.2	Leduc	AOSC
	00/07-36-093-19W4/0	240	264.2	Leduc	AOSC
	00/07-05-094-18W4/0	251	265.8	Leduc	PERPETUAL
	00/07-06-094-18W4/0	252	271.1	Leduc	PERPETUAL
	00/05-07-094-18W4/0	252	275.9	Leduc	PERPETUAL
	00/08-09-094-18W4/0	259	270	Leduc	PERPETUAL
	00/08-16-094-18W4/0	267	281.3	Leduc	PERPETUAL
	00/11-20-094-18W4/0	269.4	291.9	Leduc	AOSC
	00/06-21-094-18W4/0	265	283.4	Leduc	PERPETUAL
	00/05-24-094-18W4/0	278	283.4	Leduc	PERPETUAL
	00/07-26-094-18W4/0	295	298.5	Leduc	AOSC
	00/03-29-094-18W4/0	260.7	284.2	Leduc	AOSC
	00/11-30-094-18W4/0	315.5	336.3	Leduc	AOSC
	00/06-32-094-18W4/0	306.7	329.6	Leduc	PERPETUAL
	00/11-33-094-18W4/0	311.2	332.7	Leduc	AOSC
	00/09-35-094-18W4/0	292	298.7	Leduc	AOSC
	00/09-01-094-19W4/0	247.1	270.7	Leduc	AOSC
	00/09-12-094-19W4/0	252.5	279.4	Leduc	AOSC
	00/09-13-094-19W4/0	261.6	281.7	Leduc	AOSC
	00/07-24-094-19W4/0	280	300.8	Leduc	PERPETUAL
	00/10-03-095-18W4/0	312.7	331.5	Leduc	PERPETUAL
	00/07-04-095-18W4/0	323.1	342.9	Leduc	AOSC
	00/07-05-095-18W4/0	341.5	356.2	Leduc	AOSC
	00/10-08-095-18W4/0	355.3	375.8	Leduc	PERPETUAL
	00/06-09-095-18W4/0	337.8	342	Leduc	PERPETUAL
	00/11-11-095-18W4/0	318.4	344.9	Leduc	PERPETUAL
	00/04-13-095-18W4/0	339.8	354.4	Leduc	PERPETUAL



Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE LEDUC A (cont'd)	00/11-16-095-18W4/0	346.8	366.6	Leduc	PERPETUAL
	00/03-28-095-18W4/0	399.6	424.7	Leduc	PERPETUAL
LIEGE LEDUC B	00/13-09-092-18W4/0	250.8	260.4	Leduc	CNRL
	00/04-16-092-18W4/0	256	263.3	Leduc	CNRL
LIEGE MCMURRAY AA	00/05-32-091-17W4/0	218.8	223	Wabiskaw C	CNRL
LIEGE MCMURRAY BB	00/09-10-092-17W4/0	209.2	212.5	Wabiskaw C	AOSC
LIEGE MCMURRAY CC	00/02-29-092-19W4/0	251.2	253	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY DD	00/02-10-093-17W4/0	207.8	210.4	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY EE	02/08-32-091-19W4/2	242.8	245.8	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY F	00/11-23-091-18W4/0	221.8	225.4	Wabiskaw C	CNRL
	00/13-23-091-18W4/2	321.2	820	Wabiskaw C	CNRL
	00/01-27-091-18W4/0	223.2	226.5	Wabiskaw C	CNRL
	00/07-27-091-18W4/2	338	816	Wabiskaw C	CNRL
	00/07-33-091-18W4/0	225.8	230.5	Wabiskaw C	CNRL
	00/07-04-092-18W4/2	227	235	Wabiskaw C	CNRL
	00/11-04-092-18W4/0	230.2	235	Wabiskaw C	CNRL
	02/10-05-092-18W4/0	232.4	235	Wabiskaw C	CNRL
	00/10-08-092-18W4/0	226.5	231.5	Wabiskaw C	CNRL
	00/07-09-092-18W4/0	231.5	236	Wabiskaw C	CNRL
	00/04-16-092-18W4/0	224	231.5	Wabiskaw C	CNRL
	00/05-16-092-18W4/0	225	232.8	Wabiskaw C	CNRL
	00/06-17-092-18W4/0	228.8	230	Wabiskaw C	CNRL
	LIEGE MCMURRAY FF	00/12-13-092-17W4/2	279.2	391.7	Wabiskaw C
00/08-14-092-17W4/0		259.9	397	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY H	00/14-32-090-17W4/0	205	206	Wabiskaw C	CNRL
	00/14-03-091-17W4/2	208	212.8	Wabiskaw C	CNRL
	00/14-04-091-17W4/0	212.5	215	Wabiskaw C	CNRL
	00/15-04-091-17W4/0	312	834	Wabiskaw C	CNRL
	00/15-05-091-17W4/2	326	789	Wabiskaw C	CNRL
	00/01-08-091-17W4/0	208.5	212.1	Wabiskaw C	CNRL
	00/02-08-091-17W4/0	318	785	Wabiskaw C	CNRL
	00/10-09-091-17W4/2	207	212	Wabiskaw C	CNRL
	00/06-10-091-17W4/0	269.8	294.2	Wabiskaw C	CNRL
	00/11-10-091-17W4/0	205.9	211.4	Wabiskaw C	CNRL
	00/12-11-091-17W4/0	204	207	Wabiskaw C	CNRL
	00/12-12-091-17W4/0	202.5	203	Wabiskaw C	CNRL
	00/03-15-091-17W4/2	205.6	209.1	Wabiskaw C	CNRL
	00/03-16-091-17W4/2	298.3	719	Wabiskaw C	CNRL
00/07-16-091-17W4/0	208.6	213	Wabiskaw C	CNRL	
02/01-17-091-17W4/0	209	213.4	Wabiskaw C	CNRL	
LIEGE MCMURRAY J	00/11-10-091-17W4/0	213.8	214.7	Wabiskaw D	CNRL
LIEGE MCMURRAY K	00/02-26-091-19W4/0	233.5	236	Wabiskaw C	PERPETUAL
	02/06-35-091-19W4/0	237.5	239.4	Wabiskaw C	PERPETUAL
	00/08-35-091-19W4/0	233.8	235.9	Wabiskaw C	BP
	00/06-01-092-19W4/0	238.3	239.1	Wabiskaw C	AOSC
	00/06-02-092-19W4/0	240.3	241.3	Wabiskaw C	PERPETUAL
	00/10-16-092-19W4/0	242.6	243.8	Wabiskaw C	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE MCMURRAY L	00/06-02-092-19W4/0	249.8	253	Wabiskaw D	PERPETUAL
	00/10-10-092-19W4/0	250	251.7	Wabiskaw D	PERPETUAL
LIEGE MCMURRAY M	00/08-22-091-16W4/0	189.1	190	Wabiskaw C	PERPETUAL
	00/08-27-091-16W4/2	186	188	Wabiskaw C	PERPETUAL
	00/05-32-091-16W4/2	264	421	Wabiskaw C	AOSC
	00/06-32-091-16W4/0	194	196	Wabiskaw C	AOSC
	00/07-34-091-16W4/0	180.1	184.5	Wabiskaw C	PERPETUAL
	00/08-04-092-16W4/0	184	187.6	Wabiskaw C	AOSC
	00/03-06-092-16W4/0	273.3	322.6	Wabiskaw C	PERPETUAL
	00/06-06-092-16W4/0	198.4	200.5	Wabiskaw C	AOSC
	00/02-09-092-16W4/0	187.5	191	Wabiskaw C	AOSC
	00/07-09-092-16W4/2	264	516	Wabiskaw C	AOSC
	02/02-16-092-16W4/0	187.2	189	Wabiskaw C	PERPETUAL
	02/02-16-092-16W4/2	223.1	269	Wabiskaw C	PERPETUAL
	00/03-20-092-16W4/0	191	192.6	Wabiskaw C	AOSC
	00/03-20-092-16W4/2	316	422	Wabiskaw C	AOSC
LIEGE MCMURRAY N	00/15-01-092-17W4/0	200.2	204	Wabiskaw C	PERPETUAL
	00/16-02-092-17W4/0	204	206	Wabiskaw C	AOSC
LIEGE MCMURRAY Q	00/16-15-091-16W4/0	199.6	206.1	Wabiskaw D	PERPETUAL
	00/08-22-091-16W4/0	199	207.4	Wabiskaw D	PERPETUAL
	00/09-22-091-16W4/2	288	541	Wabiskaw D	PERPETUAL
	00/08-27-091-16W4/2	196.8	207	Wabiskaw D	PERPETUAL
	00/07-34-091-16W4/0	192.1	204	Wabiskaw D	PERPETUAL
LIEGE MCMURRAY R	00/14-21-092-17W4/0	297.9	610	Wabiskaw C	PERPETUAL
	00/11-28-092-17W4/0	217.6	221.5	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY S	00/03-04-093-17W4/0	216.5	219.3	Wabiskaw C	PERPETUAL
LIEGE MCMURRAY T	02/08-32-091-19W4/2	255.2	257.0	Grosmont	PERPETUAL
LIEGE MCMURRAY U	00/06-23-091-17W4/2	203	205.8	Wabiskaw C	CNRL
LIEGE MCMURRAY V	00/06-06-092-16W4/0	228	229	McMurray Channel	AOSC
LIEGE MCMURRAY W	00/07-26-094-18W4/0	285	286.8	Wabiskaw D	AOSC
	00/09-35-094-18W4/0	283.5	284.7	Wabiskaw D	AOSC
LIEGE MCMURRAY X	00/11-04-094-18W4/0	245.3	247	Wabiskaw D	AOSC
	00/07-05-094-18W4/0	244	245.8	Wabiskaw D	PERPETUAL
LIEGE NISKU-U IRETON-GSMT A	00/10-35-088-22W4/0	252	264	Nisku	CNRL
	00/06-26-089-20W4/0	252.5	257.4	Grosmont	BONAVISTA
	00/15-27-089-20W4/0	244.5	258.7	Grosmont	PETROBANK
	00/16-28-089-20W4/0	242	256.2	Grosmont	PETROBANK
	00/16-33-089-20W4/0	245.8	266.5	Grosmont	BONAVISTA
	00/10-34-089-20W4/0	243.3	266.6	Grosmont	BONAVISTA
	00/13-35-089-20W4/0	241.7	252.5	Grosmont	BONAVISTA
	00/14-06-089-21W4/0	248.4	261.6	Nisku	GUARD
	00/06-07-089-21W4/0	239.3	257.8	Nisku	GUARD
	00/13-08-089-21W4/0	235	258.2	Nisku	TRIQUEST
	00/07-10-089-21W4/0	257.1	270.5	Nisku	BONAVISTA
	00/11-11-089-21W4/0	254	267.7	Grosmont	BONAVISTA
	00/11-14-089-21W4/0	252	263	Grosmont	PETROBAKKEN

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE NISKU-U IRETON-GSMT A (cont'd)	00/10-16-089-21W4/0	244.8	258.5	Nisku	EXXONMOBIL
	00/05-17-089-21W4/0	230.8	254.1	Nisku	BONAVISTA
	00/11-18-089-21W4/0	234.9	254.2	Nisku	BONAVISTA
	00/04-19-089-21W4/0	236.3	254.4	Nisku	BONAVISTA
	00/06-20-089-21W4/0	219.2	243.4	Nisku	BONAVISTA
	00/10-20-089-21W4/0	223	248.7	Nisku	TRIQUEST
	00/11-21-089-21W4/0	221.3	246.3	Nisku	BONAVISTA
	00/14-21-089-21W4/0	218.2	245.7	Nisku	HUSKY
	02/14-21-089-21W4/0	218.1	245.4	Nisku	HUSKY
	00/14-22-089-21W4/0	233	255.5	Grosmont	BONAVISTA
	00/16-23-089-21W4/0	242.6	254.1	Grosmont	BONAVISTA
	00/01-24-089-21W4/0	251.8	260	Grosmont	BONAVISTA
	00/14-24-089-21W4/0	240.3	255.5	Grosmont	BONAVISTA
	00/06-25-089-21W4/0	243.2	260.3	Grosmont	BONAVISTA
	00/14-25-089-21W4/0	248	262	Grosmont	BONAVISTA
	00/11-26-089-21W4/0	243.9	258.2	Grosmont	BONAVISTA
	00/06-27-089-21W4/0	221	245.6	Grosmont	BONAVISTA
	00/06-28-089-21W4/0	217	242.2	Grosmont	BONAVISTA
	00/05-30-089-21W4/0	222.7	243.3	Grosmont	PETROBAKKEN
	00/16-34-089-21W4/0	224	240.1	Grosmont	BONAVISTA
	00/10-35-089-21W4/0	231	246.9	Grosmont	BONAVISTA
	00/06-36-089-21W4/0	246.5	260.1	Grosmont	BONAVISTA
	02/06-36-089-21W4/0	247.5	260.3	Grosmont	BONAVISTA
	00/10-11-089-22W4/0	246.2	260.3	Nisku	BONAVISTA
	00/09-12-089-22W4/0	243	257	Nisku	TRIQUEST
	00/10-12-089-22W4/0	236	256.9	Nisku	TRIQUEST
	00/13-12-089-22W4/0	245	259	Nisku	BONAVISTA
	00/06-13-089-22W4/0	240.3	259	Nisku	BONAVISTA
	00/07-14-089-22W4/0	240.8	257	Nisku	BONAVISTA
	00/15-14-089-22W4/0	235	249.4	Nisku	GUARD
	00/16-15-089-22W4/0	244	261	Nisku	GUARD
	00/08-17-089-22W4/0	263	269.8	Nisku	PERPETUAL
	00/16-22-089-22W4/0	241.5	257.9	Nisku	BONAVISTA
	02/10-23-089-22W4/0	221.3	246.7	Nisku	BONAVISTA
	00/03-24-089-22W4/0	228.3	253.7	Nisku	BONAVISTA
	00/02-25-089-22W4/0	225.7	244.3	Nisku	BONAVISTA
	00/04-26-089-22W4/0	240	255.9	Nisku	BONAVISTA
	00/07-26-089-22W4/0	222	245.5	Nisku	PETROBANK
	00/06-27-089-22W4/0	242.3	257.8	Nisku	BONAVISTA
	00/07-28-089-22W4/0	247.6	260.4	Nisku	BONAVISTA
	00/16-32-089-22W4/0	239	252.3	Nisku	BONAVISTA
	00/07-33-089-22W4/0	246	259.3	Nisku	BONAVISTA
	00/16-33-089-22W4/0	244.4	258.5	Nisku	BONAVISTA
	00/06-34-089-22W4/0	245.5	260.9	Nisku	BONAVISTA
	00/10-35-089-22W4/0	238.3	257.5	Nisku	BONAVISTA
	00/10-03-090-20W4/0	242.0	251.0	Grosmont	BONAVISTA

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE NISKU-U IRETON-GSMT A (cont'd)	00/11-04-090-20W4/0	247.2	267.3	Grosmont	BONAVISTA
	00/16-05-090-20W4/0	250	268.4	Grosmont	BONAVISTA
	00/07-08-090-20W4/0	245.2	268.3	Grosmont	BONAVISTA
	00/11-09-090-20W4/0	249.6	270.7	Grosmont	BONAVISTA
	00/11-11-090-20W4/0	240.7	252.8	Grosmont	PARAMOUNT
	02/11-11-090-20W4/0	241	252.5	Grosmont	PARAMOUNT
	00/04-14-090-20W4/0	240	251.6	Grosmont	PERPETUAL
	00/10-15-090-20W4/0	244.5	253	Grosmont	PERPETUAL
	00/05-16-090-20W4/0	245.2	263.8	Grosmont	BONAVISTA
	00/10-16-090-20W4/0	247.5	265.8	Grosmont	EXXONMOBIL
	00/10-17-090-20W4/0	236.6	246.8	Grosmont	BONAVISTA
	00/03-20-090-20W4/0	231.3	232.6	Grosmont	BONAVISTA
	00/16-20-090-20W4/0	222	235	Grosmont	PETROBANK
	00/11-22-090-20W4/0	245	251.1	Grosmont	PERPETUAL
	00/06-27-090-20W4/0	238	246.2	Grosmont	PERPETUAL
	00/10-28-090-20W4/0	232.0	236.1	Grosmont	PERPETUAL
	00/10-29-090-20W4/0	222.0	222.9	Grosmont	BONAVISTA
	00/10-02-090-21W4/0	230	246.4	Grosmont	MARATHON
	02/10-02-090-21W4/0	229.6	245.8	Grosmont	CNRL
	00/10-08-090-21W4/0	229.5	256.7	Grosmont	CNRL
	00/12-11-090-21W4/0	222	242	Grosmont	CNRL
	00/06-14-090-21W4/0	224	241.5	Grosmont	CNRL
	00/06-15-090-21W4/0	221	251	Grosmont	CNRL
	00/02-16-090-21W4/0	230.3	256.4	Grosmont	CNRL
	00/10-16-090-21W4/0	227.4	258.2	Grosmont	EXXONMOBIL
	00/10-17-090-21W4/0	230.0	257	Grosmont	CNRL
	00/07-20-090-21W4/0	234.0	255	Grosmont	HUSKY
	00/08-21-090-21W4/0	227.4	235	Grosmont	CNRL
	00/10-22-090-21W4/0	219.8	248.9	Grosmont	CNRL
	00/07-26-090-21W4/0	238.7	254.0	Grosmont	CNRL
	00/11-27-090-21W4/0	217.7	221.7	Grosmont	CNRL
	00/09-28-090-21W4/0	222.5	252.5	Grosmont	CNRL
	00/11-32-090-21W4/0	210.0	240.6	Grosmont	CNRL
	00/06-33-090-21W4/0	218.5	250.5	Grosmont	CNRL
	00/07-03-090-22W4/0	246	255.2	Grosmont	BONAVISTA
	00/10-04-090-22W4/0	232	246.9	Nisku	BONAVISTA
	00/07-09-090-22W4/0	221.5	228	Nisku	BONAVISTA
	00/07-10-090-22W4/0	233	253.6	Nisku	BONAVISTA
	00/05-17-090-22W4/0	219.5	236.5	Nisku	BONAVISTA
	00/11-18-090-22W4/0	239	257.8	Nisku	BONAVISTA
	00/03-19-090-22W4/0	245	259.5	Nisku	BONAVISTA
	00/04-20-090-22W4/0	243	254.6	Nisku	PETROBANK
	00/10-24-090-22W4/0	210	237	Grosmont	CNRL
	00/07-26-090-22W4/0	239.5	260.8	Grosmont	MARATHON
	00/07-28-090-22W4/0	252.2	269.4	Nisku	CNRL
	00/07-19-090-23W4/0	250.5	258.5	Nisku	CNRL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE NISKU-U IRETON-GSMT A (cont'd)	00/11-21-090-23W4/0	249.3	267	Nisku	CNRL
	00/14-24-090-23W4/0	246.8	257.8	Nisku	CNRL
	00/07-25-090-23W4/0	249	264.8	Nisku	HUSKY
	00/02-26-090-23W4/0	247.8	264	Nisku	CNRL
	00/12-26-090-23W4/0	256.8	259.3	Nisku	CNRL
	00/09-27-090-23W4/0	256.5	272.9	Nisku	CNRL
	00/07-34-090-23W4/0	266	277.3	Nisku	MARATHON
	02/07-34-090-23W4/0	266	279.2	Nisku	CNRL
	00/07-35-090-23W4/0	263.8	275	Nisku	HUSKY
	00/12-17-091-20W4/0	228.2	229.8	Grosmont	PERPETUAL
	00/06-18-091-20W4/0	225.8	227.7	Grosmont	PERPETUAL
	00/03-03-091-21W4/0	212.5	237.5	Grosmont	CNRL
	00/11-08-091-21W4/0	225.6	254	Grosmont	CNRL
	00/11-12-091-21W4/0	224	228	Grosmont	AOSC
	00/16-12-091-21W4/0	229	232.5	Grosmont	PERPETUAL
	00/11-13-091-21W4/0	226.8	233.3	Grosmont	PERPETUAL
	00/07-14-091-21W4/0	228.5	246	Grosmont	CNRL
	00/11-18-091-21W4/0	257	279.2	Grosmont	CNRL
	00/11-20-091-21W4/0	243	261	Grosmont	MARATHON
	00/11-24-091-21W4/0	232.3	239.8	Grosmont	CNRL
	00/07-26-091-21W4/0	236	242.3	Grosmont	HUSKY
	02/07-26-091-21W4/0	239	245	Grosmont	CNRL
	00/06-29-091-21W4/0	260.8	278.8	Grosmont	CNRL
	00/10-32-091-21W4/0	252	270	Grosmont	CNRL
	00/06-34-091-21W4/0	256.1	263	Grosmont	CNRL
	00/06-36-091-21W4/0	239	245	Grosmont	CNRL
	00/07-01-091-22W4/0	259.1	270	Grosmont	CNRL
	00/11-05-091-22W4/0	282.3	290.7	Grosmont	CNRL
	00/06-07-091-22W4/0	277.8	285	Grosmont	HUSKY
	00/06-08-091-22W4/0	286.5	295.8	Grosmont	HUSKY
	00/11-13-091-22W4/0	259.3	279.9	Grosmont	CNRL
	00/02-17-091-22W4/0	284.6	294.1	Grosmont	HUSKY
	00/06-18-091-22W4/0	279.5	289.9	Grosmont	HUSKY
	00/07-20-091-22W4/0	291.3	298.5	Grosmont	TERCERO
	00/07-26-091-22W4/0	272.5	291.3	Grosmont	CNRL
	00/07-33-091-22W4/0	287.4	305.4	Grosmont	TERCERO
	00/03-36-091-22W4/0	267.7	284	Grosmont	CNRL
	00/07-01-091-23W4/0	271	288.9	Nisku	HUSKY
	00/07-02-091-23W4/0	282	290.7	Nisku	CNRL
	00/12-02-091-23W4/0	265.9	272.3	Nisku	CNRL
	00/11-10-091-23W4/0	280.5	296.7	Nisku	CNRL
	00/13-11-091-23W4/0	285	298.5	Nisku	CNRL
	00/04-12-091-23W4/0	269	286.8	Nisku	HUSKY
	00/07-13-091-23W4/0	264	278	Grosmont	HUSKY
	00/13-15-091-23W4/0	290.2	301.1	Nisku	CNRL
	00/09-21-091-23W4/0	290.7	300.2	Nisku	HUSKY

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE NISKU-U IRETON-GSMT A (cont'd)	00/10-22-091-23W4/0	287	301.7	Grosmont	HUSKY
	00/10-24-091-23W4/0	287.5	303.5	Grosmont	TERCERO
	00/07-27-091-23W4/0	298	305.3	Grosmont	HUSKY
	00/10-36-091-23W4/0	296	315	Grosmont	TERCERO
	00/06-02-092-21W4/0	242	248.2	Grosmont	CNRL
	00/12-04-092-21W4/0	267	268.8	Grosmont	CNRL
	00/10-06-092-21W4/0	281	298	Grosmont	CNRL
	00/11-08-092-21W4/0	272.8	274	Grosmont	CNRL
	00/01-16-092-21W4/2	256.5	260.8	Grosmont	CNRL
	00/07-17-092-21W4/0	256	258	Grosmont	CNRL
	00/10-02-092-22W4/0	273.5	301	Grosmont	CNRL
	00/07-05-092-22W4/0	306.5	319.7	Grosmont	TERCERO
	00/10-14-092-22W4/0	291	316	Grosmont	HUSKY
	00/07-16-092-22W4/0	296	319.7	Grosmont	TERCERO
	00/07-17-092-22W4/0	299	319	Grosmont	BOW VALLEY
	00/10-17-092-22W4/0	303	324.6	Grosmont	TERCERO
	00/10-20-092-22W4/0	323.5	345.4	Grosmont	TERCERO
	00/10-21-092-22W4/0	310.3	328.9	Grosmont	TERCERO
	00/01-22-092-22W4/0	314.5	339.1	Grosmont	BOW VALLEY
	00/10-22-092-22W4/0	309.5	331	Grosmont	TERCERO
	00/08-25-092-22W4/0	278	279.5	Grosmont	TERCERO
	00/16-26-092-22W4/0	303	313	Grosmont	TERCERO
	00/12-29-092-22W4/0	329.5	347	Grosmont	TERCERO
	00/10-33-092-22W4/0	345	347.5	Grosmont	TERCERO
	00/06-36-092-22W4/0	309.9	313	Grosmont	TERCERO
	00/10-11-092-23W4/0	321.8	331.1	Grosmont	TERCERO
	00/16-11-092-23W4/0	325	336.2	Grosmont	TERCERO
	00/01-22-092-23W4/0	363.5	375	Grosmont	TERCERO
	00/10-24-092-23W4/0	334	355	Grosmont	TERCERO
	00/02-35-092-23W4/0	362.8	380.5	Grosmont	TERCERO
	00/11-05-093-22W4/0	371	379	Grosmont	PARAMOUNT
	00/07-01-093-23W4/0	367	390.2	Grosmont	BOW VALLEY
	LIEGE WABISKAW A	00/11-31-090-17W4/0	179.9	184.0	Wabiskaw A
00/14-32-090-17W4/0		182.7	185.7	Wabiskaw A	CNRL
00/11-33-090-17W4/0		181.7	182.6	Wabiskaw A	CNRL
00/05-26-090-18W4/0		183.9	186.0	Wabiskaw A	COSEKA
00/14-03-091-17W4/2		185.5	189.9	Wabiskaw A	CNRL
00/14-04-091-17W4/2		188.2	194	Wabiskaw A	CNRL
00/15-05-091-17W4/3		185.7	193.1	Wabiskaw A	CNRL
00/02-08-091-17W4/0		185.0	193.4	Wabiskaw A	CNRL
00/07-09-091-17W4/0		200.2	211.6	Wabiskaw A	CNRL
00/10-09-091-17W4/3		184.0	190.9	Wabiskaw A	CNRL
00/06-10-091-17W4/0		205.2	216.7	Wabiskaw A	CNRL
00/11-10-091-17W4/2		183.3	190	Wabiskaw A	CNRL
00/12-11-091-17W4/2	182.4	186	Wabiskaw A	CNRL	
00/12-12-091-17W4/0	180.0	183.0	Wabiskaw A	CNRL	

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW A (cont'd)	00/03-15-091-17W4/2	182.8	188.6	Wabiskaw A	CNRL
	00/11-15-091-17W4/0	184.2	189	Wabiskaw A	CNRL
	00/03-16-091-17W4/3	185.8	192.2	Wabiskaw A	CNRL
	00/07-16-091-17W4/2	186	192	Wabiskaw A	CNRL
	02/01-17-091-17W4/0	186.0	192.2	Wabiskaw A	CNRL
	00/07-18-091-17W4/0	186.8	191.7	Wabiskaw A	CNRL
	00/08-18-091-17W4/0	185.3	190.4	Wabiskaw A	CNRL
	00/05-20-091-17W4/0	190.9	195.5	Wabiskaw A	CNRL
	00/11-22-091-17W4/0	183.4	187.5	Wabiskaw A	CNRL
	00/06-23-091-17W4/0	182.0	185.0	Wabiskaw A	CNRL
	00/14-28-091-17W4/0	190.5	194.3	Wabiskaw A	CNRL
	00/10-29-091-17W4/2	194	198	Wabiskaw A	CNRL
	00/11-30-091-17W4/0	196.1	199.2	Wabiskaw A	CNRL
	00/07-31-091-17W4/2	198.2	201.4	Wabiskaw A	CNRL
	00/05-32-091-17W4/0	196	200	Wabiskaw A	CNRL
	00/06-33-091-17W4/0	194	197.7	Wabiskaw A	CNRL
	00/10-01-091-18W4/0	186	190	Wabiskaw A	CNRL
	00/15-12-091-18W4/0	191	194.3	Wabiskaw A	CNRL
	00/06-13-091-18W4/0	191.4	193.2	Wabiskaw A	CNRL
	00/16-13-091-18W4/0	190.2	192.9	Wabiskaw A	CNRL
	00/07-14-091-18W4/0	193.5	196	Wabiskaw A	IMPERIAL
	00/13-14-091-18W4/0	198.8	201	Wabiskaw A	CNRL
	00/16-22-091-18W4/2	196	200	Wabiskaw A	CNRL
	00/12-23-091-18W4/0	287	677	Wabiskaw A	CNRL
	00/12-24-091-18W4/0	286	668	Wabiskaw A	CNRL
	00/04-25-091-18W4/0	194.0	195.1	Wabiskaw A	CNRL
	00/10-26-091-18W4/0	193.8	197.6	Wabiskaw A	CNRL
	02/10-26-091-18W4/2	194.9	196.5	Wabiskaw A	CNRL
	00/01-27-091-18W4/0	196.1	200.6	Wabiskaw A	CNRL
	00/09-27-091-18W4/0	197.7	202.1	Wabiskaw A	CNRL
	00/08-28-091-18W4/2	200.5	203.9	Wabiskaw A	CNRL
	00/07-33-091-18W4/2	199.8	206.7	Wabiskaw A	CNRL
	00/10-34-091-18W4/0	201.7	206.7	Wabiskaw A	BP
	02/10-34-091-18W4/2	203.5	208	Wabiskaw A	CNRL
	00/16-02-092-17W4/2	187	189.5	Wabiskaw A	AOSC
	00/16-03-092-17W4/0	189	190	Wabiskaw A	AOSC
	00/16-04-092-17W4/0	190.5	192.2	Wabiskaw A	AOSC
	00/13-05-092-17W4/2	199	202	Wabiskaw A	PERPETUAL
	00/14-06-092-17W4/2	206	208	Wabiskaw A	AOSC
	00/03-09-092-17W4/2	194	196.5	Wabiskaw A	PERPETUAL
	00/05-15-092-17W4/0	191.5	193	Wabiskaw A	AOSC
	00/02-23-092-17W4/0	195.2	196.8	Wabiskaw A	PERPETUAL
	00/03-29-092-17W4/0	201.1	203	Wabiskaw A	PERPETUAL
	00/06-03-092-18W4/2	204	209	Wabiskaw A	CNRL
	00/07-04-092-18W4/0	204	210	Wabiskaw A	CNRL
	00/11-04-092-18W4/2	205	210.3	Wabiskaw A	CNRL
	00/10-05-092-18W4/0	207.0	211.0	Wabiskaw A	CNRL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW A (cont'd)	02/10-05-092-18W4/3	208	213	Wabiskaw A	CNRL
	00/10-08-092-18W4/2	205.8	211.3	Wabiskaw A	CNRL
	00/07-09-092-18W4/2	205.7	211.0	Wabiskaw A	CNRL
	00/06-10-092-18W4/0	203	208.5	Wabiskaw A	CNRL
	02/06-10-092-18W4/0	203.4	208.8	Wabiskaw A	CNRL
	00/07-12-092-18W4/0	204.5	206.1	Wabiskaw A	CNRL
	00/11-15-092-18W4/0	204	205	Wabiskaw A	SUNCOR
	00/04-16-092-18W4/0	204	210	Wabiskaw A	CNRL
	00/05-16-092-18W4/3	205	210.3	Wabiskaw A	CNRL
	00/06-17-092-18W4/0	207.3	212	Wabiskaw A	CNRL
	00/06-20-092-18W4/0	207.5	211	Wabiskaw A	CNRL
	00/06-24-092-18W4/0	205.5	208	Wabiskaw A	CNRL
	00/10-25-092-18W4/0	207.0	210.0	Wabiskaw A	CNRL
	00/06-26-092-18W4/0	205.3	207.4	Wabiskaw A	CNRL
	00/11-34-092-18W4/0	205.3	206.8	Wabiskaw A	CNRL
	00/06-06-093-17W4/0	197.3	203.1	Wabiskaw A	CNRL
	00/06-18-093-17W4/0	207.6	208.9	Wabiskaw A	CNRL
	00/06-01-093-18W4/3	202	210.7	Wabiskaw A	CNRL
	00/11-02-093-18W4/2	205	211.2	Wabiskaw A	CNRL
	00/11-04-093-18W4/0	207.8	210	Wabiskaw A	CNRL
	00/01-07-093-18W4/0	206.2	212.2	Wabiskaw A	AOSC
	00/11-07-093-18W4/0	207.7	210	Wabiskaw A	CNRL
	00/15-08-093-18W4/0	243.7	251.1	Wabiskaw A	CNRL
	00/07-09-093-18W4/2	208.9	212	Wabiskaw A	CNRL
	00/15-09-093-18W4/2	320	676	Wabiskaw A	CNRL
	00/11-10-093-18W4/0	208	212.3	Wabiskaw A	CNRL
	00/06-11-093-18W4/2	206	212	Wabiskaw A	CNRL
	00/04-12-093-18W4/0	201.5	208.8	Wabiskaw A	CNRL
	00/07-12-093-18W4/0	199.5	206	Wabiskaw A	CNRL
	02/04-15-093-18W4/0	209.5	213.5	Wabiskaw A	CNRL
	00/07-16-093-18W4/2	207	213	Wabiskaw A	CNRL
	00/11-17-093-18W4/2	208	214.2	Wabiskaw A	CNRL
	00/16-17-093-18W4/0	210.5	213.7	Wabiskaw A	CNRL
	00/14-18-093-18W4/2	207	214.5	Wabiskaw A	CNRL
	00/02-19-093-18W4/0	208.5	214.8	Wabiskaw A	PERPETUAL
	00/06-19-093-18W4/0	209.3	213.6	Wabiskaw A	CNRL
	00/15-19-093-18W4/0	211.7	213.8	Wabiskaw A	CNRL
	00/07-20-093-18W4/2	212.44	215.2	Wabiskaw A	CNRL
	00/03-30-093-18W4/2	210.2	213.8	Wabiskaw A	CNRL
	00/14-30-093-18W4/0	214	215.2	Wabiskaw A	AOSC
	02/14-30-093-18W4/0	215.5	216	Wabiskaw A	CNRL
	00/07-12-093-19W4/0	207.1	211	Wabiskaw A	PERPETUAL
	00/10-13-093-19W4/0	209	212.6	Wabiskaw A	AOSC
	02/10-13-093-19W4/0	278.96	463	Wabiskaw A	PERPETUAL
	00/11-14-093-19W4/0	208.2	213	Wabiskaw A	PERPETUAL
	00/07-22-093-19W4/2	210.9	215.8	Wabiskaw A	PERPETUAL
	00/11-23-093-19W4/0	208.2	213	Wabiskaw A	PERPETUAL



Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW A (cont'd)	00/10-24-093-19W4/0	207.8	212	Wabiskaw A	HUSKY
	02/10-24-093-19W4/0	209.3	213	Wabiskaw A	PERPETUAL
LIEGE WABISKAW AA	00/06-06-094-17W4/0	233.5	238	Wabiskaw C	PERPETUAL
LIEGE WABISKAW BB	02/10-34-091-18W4/0	229.2	232.8	Wabiskaw C	CNRL
LIEGE WABISKAW CC	00/06-03-092-18W4/0	230.9	234	Wabiskaw C	CNRL
LIEGE WABISKAW D	00/11-07-091-20W4/0	218	224.4	Wabiskaw A	PERPETUAL
	00/13-08-091-20W4/0	218.5	225	Wabiskaw A	PERPETUAL
	00/12-17-091-20W4/0	219	227	Wabiskaw A	PERPETUAL
	00/06-18-091-20W4/0	217	225.8	Wabiskaw A	PERPETUAL
	00/01-19-091-20W4/0	216.3	221.5	Wabiskaw A	PERPETUAL
	00/07-20-091-20W4/0	223	229	Wabiskaw A	PERPETUAL
	02/07-20-091-20W4/0	301.3	467	Wabiskaw A	PERPETUAL
	00/11-28-091-20W4/0	224.9	228.6	Wabiskaw A	PERPETUAL
	00/05-29-091-20W4/0	220	225.5	Wabiskaw A	PERPETUAL
	00/03-30-091-20W4/0	224.3	228.3	Wabiskaw A	PERPETUAL
	00/01-32-091-20W4/0	311	497	Wabiskaw A	PERPETUAL
	00/06-33-091-20W4/0	282	515	Wabiskaw A	PERPETUAL
	00/11-12-091-21W4/0	214.2	216.2	Wabiskaw A	AOSC
	00/16-12-091-21W4/0	217	220	Wabiskaw A	PERPETUAL
	00/11-13-091-21W4/0	219.5	223.8	Wabiskaw A	PERPETUAL
	00/07-14-091-21W4/0	224.9	227	Wabiskaw A	CNRL
	00/11-24-091-21W4/0	225.9	229.3	Wabiskaw A	CNRL
	00/07-26-091-21W4/0	233.6	236	Grosmont	HUSKY
	02/07-26-091-21W4/0	234	237	Wabiskaw A	CNRL
LIEGE WABISKAW DD	00/02-23-092-17W4/0	204.4	212	Wabiskaw C	PERPETUAL
LIEGE WABISKAW E	02/07-20-090-21W4/0	226.8	234.8	Wabiskaw A	CNRL
LIEGE WABISKAW EE	00/03-29-092-17W4/0	222	229	Wabiskaw C	PERPETUAL
LIEGE WABISKAW H	00/07-14-091-19W4/2	299	431	Wabiskaw A	PERPETUAL
	00/10-14-091-19W4/0	210	213	Wabiskaw A	PERPETUAL
	00/16-15-091-19W4/0	309.0	474.6	Wabiskaw A	AOSC
	00/02-22-091-19W4/0	214.5	216.6	Wabiskaw A	AOSC
	02/02-22-091-19W4/0	213.4	215.3	Wabiskaw A	PERPETUAL
	00/07-22-091-19W4/0	308	521	Wabiskaw A	PERPETUAL
	00/11-23-091-19W4/0	292.5	611	Wabiskaw A	CNRL
	00/04-25-091-19W4/0	210	213	Wabiskaw A	AOSC
	02/05-25-091-19W4/0	354.5	548.0	Wabiskaw A	AOSC
	00/02-26-091-19W4/0	212.5	216.4	Wabiskaw A	PERPETUAL
	00/01-27-091-19W4/0	214.2	217	Wabiskaw A	CNRL
	00/07-27-091-19W4/2	293	552	Wabiskaw A	CNRL
	00/06-35-091-19W4/0	281.3	378.0	Wabiskaw A	PERPETUAL
	02/06-35-091-19W4/0	218	222	Wabiskaw A	PERPETUAL
	00/08-35-091-19W4/0	213.1	214.9	Wabiskaw A	BP
	00/06-01-092-19W4/0	217.5	218.7	Wabiskaw A	AOSC
	00/06-02-092-19W4/0	220.8	223.6	Wabiskaw A	PERPETUAL
	00/06-08-092-19W4/0	226.8	227.7	Wabiskaw A	AOSC
	00/04-09-092-19W4/0	223.9	226	Wabiskaw A	AOSC
	00/10-10-092-19W4/0	222	224	Wabiskaw A	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW H (cont'd)	00/10-16-092-19W4/0	222.8	224.3	Wabiskaw A	PERPETUAL
	00/11-17-092-19W4/0	302.9	761	Wabiskaw A	CNRL
	00/13-17-092-19W4/0	220	224.5	Wabiskaw A	CNRL
	00/16-18-092-19W4/0	337.6	619	Wabiskaw A	CNRL
	00/08-19-092-19W4/2	315.5	700.7	Wabiskaw A	CNRL
	00/06-20-092-19W4/2	308	739	Wabiskaw A	CNRL
	00/05-28-092-19W4/0	284.2	491.7	Wabiskaw A	PERPETUAL
	00/02-29-092-19W4/0	228.5	235	Wabiskaw A	PERPETUAL
	00/07-29-092-19W4/0	295.7	322.3	Wabiskaw A	PERPETUAL
	00/11-30-092-19W4/0	222	225.5	Wabiskaw A	PERPETUAL
	00/08-31-092-19W4/0	221.5	225.5	Wabiskaw A	PERPETUAL
	00/08-31-092-19W4/2	298.6	306.8	Wabiskaw A	PERPETUAL
	00/05-32-092-19W4/0	300.4	355.7	Wabiskaw A	PERPETUAL
	00/06-33-092-19W4/2	284.5	454	Wabiskaw A	AOSC
	00/11-08-092-20W4/0	210.9	215.4	Grosmont	CNRL
	00/10-18-092-20W4/0	220	229.5	Wabiskaw A	CNRL
	00/10-19-092-20W4/0	214.7	222	Wabiskaw A	CNRL
	00/02-20-092-20W4/2	212	223.5	Wabiskaw A	CNRL
	00/11-22-092-20W4/0	201.5	213.5	Wabiskaw A	CNRL
	00/08-23-092-20W4/0	279.9	294.1	Wabiskaw A	CNRL
	00/04-24-092-20W4/2	213	217	Wabiskaw A	CNRL
	00/13-25-092-20W4/0	216.6	222.3	Wabiskaw A	CNRL
	00/15-26-092-20W4/0	292	712	Wabiskaw A	CNRL
	00/07-28-092-20W4/0	204	211.5	Wabiskaw A	CNRL
	00/06-29-092-20W4/0	205.4	213.4	Wabiskaw A	CNRL
	00/06-31-092-20W4/0	223.8	230.5	Wabiskaw A	CNRL
	00/01-34-092-20W4/0	208	220	Wabiskaw A	CNRL
	00/09-34-092-20W4/2	291	816	Wabiskaw A	CNRL
	00/05-36-092-20W4/0	218.4	224.7	Wabiskaw A	PERPETUAL
	00/06-02-092-21W4/0	239.5	242	Grosmont	CNRL
	00/12-04-092-21W4/0	256.5	258.1	Wabiskaw A	CNRL
	00/11-08-092-21W4/0	261.5	263.3	Wabiskaw A	CNRL
	00/07-09-092-21W4/0	259.5	261.2	Wabiskaw A	CNRL
	00/11-12-092-21W4/0	239.5	244.5	Wabiskaw A	CNRL
	00/06-13-092-21W4/0	240.5	247.5	Wabiskaw A	CNRL
	00/10-14-092-21W4/0	236	241	Grosmont	CNRL
	00/07-15-092-21W4/0	238.2	241	Wabiskaw A	CNRL
	00/07-17-092-21W4/0	246.5	250.3	Wabiskaw A	CNRL
	00/10-20-092-21W4/0	235.5	237	Grosmont	CNRL
	00/10-21-092-21W4/0	246.5	247.8	Wabiskaw A	CNRL
	00/10-22-092-21W4/0	238	241	Wabiskaw A	CNRL
	00/12-23-092-21W4/0	239.6	244.1	Wabiskaw A	CNRL
	00/07-24-092-21W4/0	221.5	226.6	Wabiskaw A	CNRL
	00/11-36-092-21W4/0	229.5	233	Wabiskaw A	CNRL
	00/14-03-093-19W4/0	213.1	215.4	Wabiskaw A	AOSC
	00/10-04-093-19W4/0	212.1	215.2	Wabiskaw A	AOSC
	00/11-06-093-19W4/2	223.5	227	Wabiskaw A	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW H (cont'd)	00/03-01-093-20W4/2	316.0	603.7	Wabiskaw A	AOSC
	00/04-01-093-20W4/0	222.0	228.0	Wabiskaw A	AOSC
	00/06-03-093-20W4/0	217	224	Wabiskaw A	CNRL
	00/05-12-093-20W4/0	224.9	231.1	Wabiskaw A	GULF
LIEGE WABISKAW J	00/11-12-091-19W4/0	202.8	206	Wabiskaw A	PERPETUAL
	00/11-12-091-19W4/2	202.5	206.5	Wabiskaw A	PERPETUAL
LIEGE WABISKAW K	00/10-28-093-17W4/0	212.5	216	Wabiskaw A	PERPETUAL
LIEGE WABISKAW L	00/14-24-089-21W4/2	228.3	230	Wabiskaw A	BONAVISTA
LIEGE WABISKAW M	00/06-16-095-17W4/0	262	265	Wabiskaw D	CENOVUS
	00/07-20-095-17W4/0	304	307	Wabiskaw D	PERPETUAL
	00/02-21-095-17W4/0	270	272	Wabiskaw D	CENOVUS
LIEGE WABISKAW N	00/01-22-095-17W4/0	253.7	254.9	Wabiskaw A	CENOVUS
	00/01-23-095-17W4/0	281	282	Wabiskaw A	CENOVUS
LIEGE WABISKAW O	00/11-34-092-18W4/0	223.8	229	Wabiskaw C	CNRL
	00/06-18-093-17W4/0	213.8	217	Wabiskaw C	CNRL
	00/11-19-093-17W4/0	218	222.6	Wabiskaw C	AOSC
	00/12-19-093-17W4/2	282.5	541	Wabiskaw C	AOSC
	00/12-30-093-17W4/0	285.11	522	Wabiskaw C	PERPETUAL
	00/06-01-093-18W4/0	217.8	226	Wabiskaw C	CNRL
	00/11-02-093-18W4/0	222.2	230.8	Wabiskaw C	CNRL
	00/11-04-093-18W4/0	225	229	Wabiskaw C	CNRL
	00/01-07-093-18W4/0	224.8	227.4	Wabiskaw C	AOSC
	00/11-07-093-18W4/0	225.4	228	Wabiskaw C	CNRL
	00/15-08-093-18W4/0	283.2	717	Wabiskaw C	CNRL
	00/07-09-093-18W4/0	224.4	231.8	Wabiskaw C	CNRL
	00/07-09-093-18W4/0	234.8	236.4	Wabiskaw D	CNRL
	02/15-09-093-18W4/0	289.51	790	Wabiskaw C	CNRL
	00/11-10-093-18W4/0	222	229.5	Wabiskaw C	CNRL
	00/11-10-093-18W4/0	232	234	Wabiskaw D	CNRL
	00/06-11-093-18W4/0	219.2	228	Wabiskaw C	CNRL
	00/04-12-093-18W4/0	216.4	224	Wabiskaw C	CNRL
	00/07-12-093-18W4/0	212.5	217	Wabiskaw C	CNRL
	00/01-14-093-18W4/0	282.98	791	Wabiskaw C	CNRL
	00/11-14-093-18W4/0	223.8	227	Wabiskaw C	CNRL
	00/03-15-093-18W4/2	319	773	Wabiskaw C	CNRL
	02/04-15-093-18W4/0	223	230.5	Wabiskaw C	CNRL
	02/04-15-093-18W4/0	233.5	236.5	Wabiskaw D	CNRL
	00/07-16-093-18W4/0	222	228.5	Wabiskaw C	CNRL
	00/11-16-093-18W4/0	301.62	1002	Wabiskaw D	CNRL
00/10-17-093-18W4/0	291.2	810	Wabiskaw D	CNRL	
00/11-17-093-18W4/0	221	226.5	Wabiskaw C	CNRL	
00/16-17-093-18W4/0	221.7	227.2	Wabiskaw C	CNRL	
00/16-17-093-18W4/0	231	240	Wabiskaw D	CNRL	
00/14-18-093-18W4/0	222	229	Wabiskaw C	CNRL	
00/02-19-093-18W4/0	222	227	Wabiskaw C	PERPETUAL	
00/02-19-093-18W4/0	229	233.5	Wabiskaw D	PERPETUAL	
00/06-19-093-18W4/0	222.5	227.8	Wabiskaw C	CNRL	

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW O (cont'd)	00/06-19-093-18W4/0	230	233.2	Wabiskaw D	CNRL
	00/09-19-093-18W4/0	282.8	940	Wabiskaw D	CNRL
	00/15-19-093-18W4/0	222	227.7	Wabiskaw C	CNRL
	00/07-20-093-18W4/2	294.63	783	Wabiskaw C	CNRL
	02/07-20-093-18W4/2	303.9	305	Wabiskaw D	CNRL
	00/10-21-093-18W4/0	223	227.4	Wabiskaw C	PARAMOUNT
	00/10-21-093-18W4/0	231.8	236	Wabiskaw D	PARAMOUNT
	00/11-21-093-18W4/0	225	227.4	Wabiskaw C	CNRL
	00/09-22-093-18W4/0	227.3	229	Wabiskaw C	CNRL
	00/09-22-093-18W4/0	237.5	238.7	Wabiskaw D	CNRL
	00/10-23-093-18W4/0	226	230	Wabiskaw C	AOSC
	00/10-23-093-18W4/0	237	239.3	Wabiskaw D	AOSC
	02/10-23-093-18W4/0	226	229.5	Wabiskaw C	PERPETUAL
	02/10-23-093-18W4/0	237	239	Wabiskaw D	PERPETUAL
	00/11-23-093-18W4/2	303.79	536	Wabiskaw C	AOSC
	00/10-25-093-18W4/2	304.12	492	Wabiskaw C	AOSC
	02/11-25-093-18W4/0	230	235	Wabiskaw C	AOSC
	00/03-27-093-18W4/2	285.44	537	Wabiskaw C	AOSC
	00/04-27-093-18W4/0	226	228.1	Wabiskaw C	AOSC
	00/04-27-093-18W4/0	235.2	240.2	Wabiskaw D	AOSC
	00/01-28-093-18W4/0	318.5	452	Wabiskaw C	AOSC
	02/01-28-093-18W4/0	222	229	Wabiskaw C	PERPETUAL
	02/01-28-093-18W4/0	234	237	Wabiskaw D	PERPETUAL
	00/03-30-093-18W4/2	318	868.2	Wabiskaw C	CNRL
	00/14-30-093-18W4/0	223	229	Wabiskaw C	AOSC
	00/14-30-093-18W4/0	231.5	234.5	Wabiskaw D	AOSC
	02/14-30-093-18W4/0	224	229.8	Wabiskaw C	CNRL
	00/11-31-093-18W4/0	227.7	232.7	Wabiskaw C	AOSC
	00/11-31-093-18W4/0	236.4	239.7	Wabiskaw D	AOSC
	00/12-31-093-18W4/0	228.7	237	Wabiskaw C	CNRL
	00/12-32-093-18W4/0	227.5	235.2	Wabiskaw C	CNRL
	00/12-32-093-18W4/0	237	241	Wabiskaw D	CNRL
	00/02-36-093-18W4/2	295.68	506	Wabiskaw C	AOSC
	00/03-36-093-18W4/0	232	234.8	Wabiskaw C	AOSC
	00/10-13-093-19W4/0	225.5	232	Wabiskaw C	AOSC
	00/10-13-093-19W4/0	232	233.5	Wabiskaw D	AOSC
	00/10-24-093-19W4/0	222	229	Wabiskaw C	HUSKY
	00/10-24-093-19W4/0	229	234.6	Wabiskaw D	HUSKY
	02/10-24-093-19W4/0	224	227	Wabiskaw C	PERPETUAL
	02/10-24-093-19W4/0	231	231.8	Wabiskaw D	PERPETUAL
	00/10-25-093-19W4/0	224.8	236	Wabiskaw C	AOSC
	00/07-36-093-19W4/0	228	232.5	Wabiskaw C	AOSC
	00/07-36-093-19W4/0	237.2	240	Wabiskaw D	AOSC
	00/11-08-094-17W4/2	303.55	645	Wabiskaw C	AOSC
	00/13-08-094-17W4/0	240	245.4	Wabiskaw C	AOSC
	00/09-20-094-17W4/2	352.5	540	Wabiskaw C	AOSC
	00/06-21-094-17W4/0	304.5	600	Wabiskaw C	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW O (cont'd)	00/12-21-094-17W4/0	233	237	Wabiskaw C	AOSC
	00/05-26-094-17W4/0	234.5	235.4	Wabiskaw C	PERPETUAL
	00/05-29-094-17W4/0	235.2	240	Wabiskaw C	AOSC
	00/05-29-094-17W4/2	325.9	483.7	Wabiskaw C	AOSC
	00/03-31-094-17W4/0	247.4	251.1	Wabiskaw C	PERPETUAL
	00/10-33-094-17W4/0	238.5	242	Wabiskaw C	CENOVUS
	00/11-34-094-17W4/2	309.6	533	Wabiskaw C	CENOVUS
	00/12-34-094-17W4/0	240	244	Wabiskaw C	CENOVUS
	00/10-03-094-18W4/0	232.2	233.9	Wabiskaw C	AOSC
	00/06-04-094-18W4/2	298.7	433	Wabiskaw C	AOSC
	00/11-04-094-18W4/0	233	238.5	Wabiskaw C	AOSC
	00/07-05-094-18W4/0	229	238.5	Wabiskaw C	PERPETUAL
	00/07-05-094-18W4/0	238.5	240.5	Wabiskaw D	PERPETUAL
	00/07-06-094-18W4/0	234.4	240.2	Wabiskaw C	PERPETUAL
	00/07-06-094-18W4/0	243	245	Wabiskaw D	PERPETUAL
	00/05-07-094-18W4/0	239.8	245.5	Wabiskaw C	PERPETUAL
	00/06-08-094-18W4/0	235.5	244.1	Wabiskaw C	AOSC
	00/06-08-094-18W4/0	245	247	Wabiskaw D	AOSC
	00/08-09-094-18W4/0	232.6	233.3	Wabiskaw A	PERPETUAL
	00/08-09-094-18W4/0	234.4	240.6	Wabiskaw C	PERPETUAL
	00/08-09-094-18W4/0	242.8	244.6	Wabiskaw D	PERPETUAL
	00/13-10-094-18W4/0	239.8	247.8	Wabiskaw C	PERPETUAL
	00/13-10-094-18W4/0	249	250	Wabiskaw D	PERPETUAL
	00/13-10-094-18W4/2	295.34	461.8	Wabiskaw C	PERPETUAL
	00/03-15-094-18W4/2	299.03	518	Wabiskaw C	AOSC
	00/08-16-094-18W4/0	244	252	Wabiskaw C	PERPETUAL
	00/08-16-094-18W4/0	253	259	Wabiskaw D	PERPETUAL
	00/01-17-094-18W4/0	240	247.5	Wabiskaw C	PERPETUAL
	00/01-17-094-18W4/0	247.5	253.5	Wabiskaw D	PERPETUAL
	00/09-17-094-18W4/2	312.81	687	Wabiskaw C	PERPETUAL
	00/01-18-094-18W4/0	242.4	251	Wabiskaw C	AOSC
	00/01-18-094-18W4/0	252	255.8	Wabiskaw D	AOSC
	00/08-18-094-18W4/2	323	460	Wabiskaw C	AOSC
	00/09-18-094-18W4/3	303.4	700	Wabiskaw C	AOSC
	00/01-19-094-18W4/0	243	250.5	Wabiskaw C	AOSC
	00/01-19-094-18W4/0	250.5	253.5	Wabiskaw D	AOSC
	00/08-19-094-18W4/2	312.04	610	Wabiskaw C	AOSC
	00/11-20-094-18W4/0	256	262.5	Wabiskaw C	AOSC
	00/11-20-094-18W4/0	263	269	Wabiskaw D	AOSC
	00/06-21-094-18W4/0	246.6	253.2	Wabiskaw C	PERPETUAL
	00/06-21-094-18W4/0	254	264.5	Wabiskaw D	PERPETUAL
	00/01-22-094-18W4/0	257	263.7	Wabiskaw C	PERPETUAL
	00/01-22-094-18W4/0	264.3	267.1	Wabiskaw D	PERPETUAL
	00/01-22-094-18W4/2	323.4	526	Wabiskaw C	PERPETUAL
	00/04-23-094-18W4/0	315.4	531	Wabiskaw C	PERPETUAL
	00/05-24-094-18W4/2	249	252	Wabiskaw C	PERPETUAL
	00/07-26-094-18W4/0	265.5	268	Wabiskaw C	AOSC

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW O (cont'd)	00/13-27-094-18W4/0	249.5	264	Wabiskaw C	AOSC
	00/14-27-094-18W4/2	338.5	565	Wabiskaw C	AOSC
	00/16-28-094-18W4/0	319.8	470	Wabiskaw C	PERPETUAL
	00/03-29-094-18W4/0	248.3	253	Wabiskaw C	AOSC
	00/03-29-094-18W4/0	254	258.8	Wabiskaw D	AOSC
	00/11-30-094-18W4/0	305	307.3	Wabiskaw C	AOSC
	00/11-30-094-18W4/0	310	310.9	Wabiskaw D	AOSC
	00/06-32-094-18W4/0	297	300.5	Wabiskaw C	PERPETUAL
	00/06-32-094-18W4/0	304	306.7	Wabiskaw D	PERPETUAL
	00/11-33-094-18W4/0	297	304.2	Wabiskaw C	AOSC
	00/11-33-094-18W4/0	304.2	310	Wabiskaw D	AOSC
	00/09-35-094-18W4/0	264.9	267.2	Wabiskaw C	AOSC
	00/09-01-094-19W4/0	234.6	240	Wabiskaw C	AOSC
	00/09-01-094-19W4/0	243.1	247.1	Wabiskaw D	AOSC
	00/09-12-094-19W4/0	244	247	Wabiskaw C	AOSC
	00/09-12-094-19W4/0	249	251	Wabiskaw D	AOSC
	00/09-13-094-19W4/0	249	251.5	Wabiskaw C	AOSC
	00/09-13-094-19W4/0	257	259	Wabiskaw D	AOSC
	00/07-24-094-19W4/0	268	271.1	Wabiskaw C	PERPETUAL
	00/07-24-094-19W4/0	276	279.6	Wabiskaw D	PERPETUAL
	00/14-02-095-17W4/0	254	255	Wabiskaw C	CENOVUS
	00/14-04-095-17W4/0	267.2	267.7	Wabiskaw A	CENOVUS
	00/14-04-095-17W4/0	269.3	275.8	Wabiskaw C	CENOVUS
	00/04-05-095-17W4/0	262	264	Wabiskaw C	PERPETUAL
	00/15-07-095-17W4/0	323.9	601	Wabiskaw C	PERPETUAL
	00/16-07-095-17W4/0	257	263	Wabiskaw C	PERPETUAL
	00/09-09-095-17W4/0	266.2	267	Wabiskaw A	CENOVUS
	00/09-09-095-17W4/0	268.5	272	Wabiskaw C	CENOVUS
	00/05-10-095-17W4/0	275.5	277.5	Wabiskaw A	CENOVUS
	00/05-10-095-17W4/0	277.5	280.5	Wabiskaw C	CENOVUS
	00/13-11-095-17W4/0	286	288	Wabiskaw C	CENOVUS
	06/07-13-095-17W4/0	273	276	Wabiskaw C	CENOVUS
	00/14-14-095-17W4/0	265.6	269.9	Wabiskaw C	CENOVUS
	00/15-15-095-17W4/2	329.46	555	Wabiskaw C	CENOVUS
	00/06-16-095-17W4/0	254.8	258	Wabiskaw C	CENOVUS
	00/06-16-095-17W4/2	335	542	Wabiskaw C	CENOVUS
	00/01-17-095-17W4/0	327.57	558	Wabiskaw C	PERPETUAL
	00/07-20-095-17W4/0	297.8	304	Wabiskaw C	PERPETUAL
	00/02-21-095-17W4/0	263	263.5	Wabiskaw A	CENOVUS
	00/02-21-095-17W4/0	265	269	Wabiskaw C	CENOVUS
	00/01-22-095-17W4/0	256.4	258.5	Wabiskaw C	CENOVUS
	00/01-23-095-17W4/0	282.8	284.4	Wabiskaw C	CENOVUS
	00/10-24-095-17W4/0	292.2	295	Wabiskaw C	CENOVUS
	00/04-29-095-17W4/0	439.61	755	Wabiskaw A	PERPETUAL
	00/01-30-095-17W4/0	370.4	371	Wabiskaw A	AOSC
	00/01-30-095-17W4/0	371.4	374.6	Wabiskaw C	AOSC
	00/02-30-095-17W4/0	438.34	672	Wabiskaw C	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE WABISKAW O (cont'd)	00/10-03-095-18W4/0	297.2	302	Wabiskaw C	PERPETUAL
	00/10-03-095-18W4/0	302.7	311.8	Wabiskaw D	PERPETUAL
	00/07-04-095-18W4/0	310.5	315.4	Wabiskaw C	AOSC
	00/07-04-095-18W4/0	315.4	321.5	Wabiskaw C	AOSC
	00/07-05-095-18W4/0	333	340.8	Wabiskaw C	AOSC
	00/10-08-095-18W4/0	347	350	Wabiskaw C	PERPETUAL
	00/10-08-095-18W4/0	351	355.3	Wabiskaw D	PERPETUAL
	00/06-09-095-18W4/0	327.3	333.5	Wabiskaw C	PERPETUAL
	00/06-09-095-18W4/0	333.5	336.8	Wabiskaw D	PERPETUAL
	00/11-11-095-18W4/0	310.5	314.4	Wabiskaw C	PERPETUAL
	00/11-11-095-18W4/0	315.4	318.4	Wabiskaw D	PERPETUAL
	00/06-12-095-18W4/0	349.98	622	Wabiskaw C	PERPETUAL
	00/11-12-095-18W4/0	282.5	288	Wabiskaw C	AOSC
	00/11-12-095-18W4/0	288	292	Wabiskaw D	AOSC
	00/04-13-095-18W4/0	317.7	321.4	Wabiskaw C	PERPETUAL
	00/04-13-095-18W4/0	321.8	330.2	Wabiskaw D	PERPETUAL
	00/03-14-095-18W4/0	333	337.5	Wabiskaw C	AOSC
	00/06-14-095-18W4/2	337.5	344	Wabiskaw D	AOSC
	00/11-16-095-18W4/0	336	339.5	Wabiskaw C	PERPETUAL
	00/11-16-095-18W4/0	340.5	346.8	Wabiskaw D	PERPETUAL
	00/10-25-095-18W4/0	373.4	373.8	Wabiskaw A	PERPETUAL
	00/10-25-095-18W4/0	374.5	378.7	Wabiskaw C	PERPETUAL
	00/10-25-095-18W4/0	379.5	384.9	Wabiskaw D	PERPETUAL
	00/06-27-095-18W4/0	430	432.3	Wabiskaw C	AOSC
	00/03-28-095-18W4/0	393	398.5	Wabiskaw C	PERPETUAL
	00/10-34-095-18W4/0	455	462	Wabiskaw C	PERPETUAL
	00/10-02-096-18W4/0	389.5	393	Wabiskaw C	PERPETUAL
	00/11-12-096-18W4/0	435.2	439	Wabiskaw C	AOSC
LIEGE WABISKAW P	06/07-13-095-17W4/0	270.3	271	Wabiskaw A	CENOVUS
	00/14-14-095-17W4/0	264	264.8	Wabiskaw A	CENOVUS
	00/10-24-095-17W4/0	290.5	291	Wabiskaw A	CENOVUS
LIEGE WABISKAW Q	00/06-01-093-18W4/0	228	233.5	Wabiskaw D	CNRL
	00/04-12-093-18W4/0	225.8	232	Wabiskaw D	CNRL
LIEGE WABISKAW R	00/16-07-095-17W4/0	254	256	Wabiskaw A	PERPETUAL
	00/13-08-095-17W4/2	334.7	579	Wabiskaw A	PERPETUAL
LIEGE WABISKAW S	00/10-02-096-18W4/0	387	387.8	Wabiskaw A	PERPETUAL
LIEGE WABISKAW T	00/10-20-093-17W4/2	209.2	210.8	Wabiskaw A	AOSC
LIEGE WABISKAW U	00/10-22-090-21W4/0	214.2	215.5	Wabiskaw A	CNRL
LIEGE WABISKAW V	00/10-22-090-21W4/0	216.5	218.8	Wabiskaw A	CNRL
LIEGE WABISKAW X	02/13-21-092-17W4/0	201.5	203.0	Wabiskaw A	AOSC
LIEGE WABISKAW Y	00/11-31-093-17W4/0	231.5	233.0	Wabiskaw A	PERPETUAL
LIEGE WABISKAW Z	00/06-04-094-17W4/2	227.2	228	Wabiskaw A	AOSC
LIEGE UNDEFINED (033)	00/14-03-093-19W4/0	247.3	248.2	Wabiskaw D	AOSC
LIEGE UNDEFINED (036)	00/09-28-090-21W4/0	217.2	222.2	Wabiskaw A	CNRL
LIEGE UNDEFINED (040)	00/11-28-092-17W4/0	199.3	200.5	Wabiskaw A	PERPETUAL
LIEGE UNDEFINED (051)	00/11-09-096-17W4/0	455	456	Wabiskaw C	AOSC
LIEGE UNDEFINED (053)	00/14-02-095-17W4/0	251.7	252.4	Wabiskaw A	CENOVUS

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
LIEGE UNDEFINED (058)	00/13-05-092-17W4/0	223	224	Wabiskaw C	PERPETUAL
	00/13-05-092-17W4/0	229.6	231	Wabiskaw D	PERPETUAL
	00/14-06-092-17W4/0	231	234	Wabiskaw C	AOSC
	00/03-09-092-17W4/0	217.2	221	Wabiskaw C	PERPETUAL
LIEGE UNDEFINED (059)	00/11-09-096-17W4/0	453.2	453.9	Wabiskaw A	AOSC
LIEGE UNDEFINED (061)	00/11-12-096-18W4/0	432.3	433.4	Wabiskaw A	AOSC
LIEGE UNDEFINED (062)	00/12-34-094-17W4/0	237.1	239.2	Wabiskaw A	CENOVUS
LIEGE UNDEFINED (063)	00/10-03-094-18W4/0	230	232.1	Wabiskaw A	AOSC
	00/11-04-094-18W4/0	230.4	232.1	Wabiskaw A	AOSC
LIEGE UNDEFINED (066)	00/04-36-091-17W4/0	200	204.2	Wabiskaw C	CNRL
LIEGE UNDEFINED (076)	00/10-21-093-18W4/0	240.5	243.8	McMurray Channel	PARAMOUNT
	00/11-21-093-18W4/0	241.7	242.6	McMurray Channel	CNRL
LIEGE UNDEFINED (079)	00/12-13-092-17W4/0	201.5	206.4	Wabiskaw C	PERPETUAL
LIEGE UNDEFINED (081)	02/13-21-092-17W4/0	234.5	235.5	Wabiskaw D	AOSC
Not designated	00/15-34-088-22W4/0	253.5	256.5	Nisku	CENOVUS
Not designated	00/10-30-089-19W4/0	255	282	Grosmont	TAQA NORTH
Not designated	00/06-31-089-19W4/0	254	260	Grosmont	AOSC
Not designated	00/06-25-089-21W4/0	230.5	233	Wabiskaw A	BONAVISTA
Not designated	00/14-25-089-21W4/0	235	236	Wabiskaw A	BONAVISTA
Not designated	00/04-28-089-20W4/0	262	263	Grosmont	BONAVISTA
Not designated	00/06-19-090-18W4/0	238	261	Grosmont	HUSKY
Not designated	00/14-28-090-18W4/0	192.2	192.7	Wabiskaw A	CNRL
Not designated	00/10-03-090-19W4/0	249	253	Grosmont	AOSC
Not designated	00/11-07-090-19W4/0	257	261	Grosmont	PERPETUAL
Not designated	00/15-02-090-20W4/0	241	243	Grosmont	PARAMOUNT
Not designated	00/11-22-090-20W4/0	233.5	234.2	Wabiskaw C	PERPETUAL
Not designated	00/06-25-090-20W4/0	231.0	232.0	Wabiskaw C	PERPETUAL
Not designated	00/06-27-090-20W4/0	230.5	231.0	Wabiskaw C	PERPETUAL
Not designated	00/14-34-090-20W4/0	223.2	223.9	Wabiskaw C	PERPETUAL
Not designated	00/10-08-090-21W4/0	326.0	332.0	Grosmont	CNRL
Not designated	00/10-17-090-21W4/0	226.0	228.0	Wabiskaw A	CNRL
Not designated	00/11-27-090-21W4/0	211.3	217.0	Wabiskaw A	CNRL
Not designated	00/06-33-090-21W4/0	215.5	218.5	Wabiskaw A	CNRL
Not designated	00/05-18-090-22W4/0	237	364	Nisku	SHELL
Not designated	00/11-07-090-23W4/0	270	272	Nisku	HUSKY
Not designated	00/06-32-091-16W4/0	198.7	204.6	Wabiskaw D	AOSC
Not designated	00/07-09-091-17W4/0	393.2	804.5	Wabiskaw C	CNRL
Not designated	00/06-10-091-17W4/0	304	773	Wabiskaw C	CNRL
Not designated	00/12-12-091-17W4/0	210.1	210.9	Wabiskaw D	CNRL
Not designated	00/03-15-091-17W4/0	210	211.5	Wabiskaw C	CNRL
Not designated	00/05-20-091-17W4/0	225.1	225.9	Wabiskaw D	CNRL
Not designated	00/11-22-091-17W4/0	214.5	215.2	Wabiskaw D	CNRL
Not designated	00/06-23-091-17W4/0	211.8	212.3	Wabiskaw D	CNRL
Not designated	00/10-29-091-17W4/0	219.7	220.5	Wabiskaw C	CNRL
Not designated	00/07-31-091-17W4/0	221	225.7	Wabiskaw C	CNRL
Not designated	00/05-32-091-17W4/0	228.1	229.6	Wabiskaw D	CNRL



Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
Not designated	00/03-34-091-17W4/0	187.1	190.5	Wabiskaw A	CNRL
Not designated	00/04-36-091-17W4/0	181.7	184.3	Wabiskaw A	CNRL
Not designated	00/04-36-091-17W4/0	209.5	210	Wabiskaw D	CNRL
Not designated	00/10-01-091-18W4/0	208.3	212.1	Wabiskaw C	CNRL
Not designated	00/10-01-091-18W4/0	217.3	218.2	Wabiskaw D	CNRL
Not designated	02/10-26-091-18W4/0	222	224	Wabiskaw C	CNRL
Not designated	00/07-27-091-18W4/2	288.9	338	Wabiskaw C	CNRL
Not designated	00/08-28-091-18W4/0	225.8	226.8	Wabiskaw C	CNRL
Not designated	00/04-06-091-19W4/0	227.4	227.9	Wabiskaw C	PARAMOUNT
Not designated	00/04-07-091-19W4/0	225	226.5	Wabiskaw C	PERPETUAL
Not designated	00/13-11-091-19W4/0	219.4	221.2	Wabiskaw A	AOSC
Not designated	00/11-12-091-19W4/2	232	243	Grosmont	PERPETUAL
Not designated	00/04-13-091-19W4/0	203.4	206.4	Wabiskaw A	MIDWAY
Not designated	00/10-16-091-19W4/2	218.5	219.5	Wabiskaw A	PERPETUAL
Not designated	00/10-16-091-19W4/2	237.0	237.8	Wabiskaw C	PERPETUAL
Not designated	00/02-26-091-19W4/0	240.8	241.2	Wabiskaw D	PERPETUAL
Not designated	02/01-27-091-19W4/0	302.5	359.6	Grosmont	CNRL
Not designated	02/01-27-091-19W4/2	243.7	247.1	Wabiskaw A	CNRL
Not designated	00/13-28-091-19W4/2	248.3	248.7	Wabiskaw C	PERPETUAL
Not designated	00/13-28-091-19W4/2	262.7	269.5	Grosmont	PERPETUAL
Not designated	02/08-32-091-19W4/2	229.5	231	Wabiskaw A	PERPETUAL
Not designated	02/08-32-091-19W4/2	247.2	249.1	Wabiskaw D	PERPETUAL
Not designated	02/06-35-091-19W4/0	239.0	242.0	Wabiskaw C	PERPETUAL
Not designated	02/06-35-091-19W4/0	245.0	249.7	Wabiskaw D	PERPETUAL
Not designated	00/06-01-091-20W4/0	221.6	222.1	Wabiskaw C	AOSC
Not designated	00/07-02-091-20W4/2	221.0	222.0	Wabiskaw C	PERPETUAL
Not designated	00/10-07-091-20W4/0	336.3	491.0	Wabiskaw A	PERPETUAL
Not designated	00/13-32-091-20W4/0	222.3	224.8	Wabiskaw A	PARAMOUNT
Not designated	00/10-01-091-21W4/0	226.0	244.0	Wabiskaw A	CNRL
Not designated	00/10-01-091-21W4/0	247.0	250.0	Grosmont	CNRL
Not designated	00/06-34-091-21W4/0	246.4	249.0	Wabiskaw A	CNRL
Not designated	00/06-36-091-21W4/0	235	237.8	Wabiskaw A	CNRL
Not designated	00/16-03-091-23W4/0	237.8	316.3	Nisku	SHELL
Not designated	00/11-33-091-23W4/0	310.5	324.5	Nisku	MARATHON
Not designated	00/16-03-092-16W4/0	194.4	195	Wabiskaw D	AOSC
Not designated	00/08-04-092-16W4/0	200.2	201.7	Wabiskaw D	AOSC
Not designated	00/02-09-092-16W4/0	201.7	202.3	Wabiskaw D	AOSC
Not designated	00/15-01-092-17W4/0	209.1	210	Wabiskaw D	PERPETUAL
Not designated	00/09-10-092-17W4/0	189	190.4	Wabiskaw A	AOSC
Not designated	00/09-10-092-17W4/0	229	230.5	McMurray Channel	AOSC
Not designated	02/09-10-092-17W4/0	253	388	Wabiskaw A	AOSC
Not designated	00/12-13-092-17W4/0	206.4	207.2	Wabiskaw D	PERPETUAL
Not designated	00/06-16-092-17W4/0	198.2	199.8	Wabiskaw A	AOSC
Not designated	00/06-16-092-17W4/0	220	221	Wabiskaw C	AOSC
Not designated	00/14-19-092-17W4/0	208.4	209.4	Wabiskaw A	AOSC
Not designated	00/14-19-092-17W4/0	231.5	236.6	Wabiskaw C	AOSC

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
Not designated	00/04-26-092-17W4/0	204	205	Wabiskaw A	AOSC
Not designated	00/04-26-092-17W4/0	216	218	Wabiskaw C	AOSC
Not designated	00/07-30-092-17W4/0	206.6	208.8	Wabiskaw A	AOSC
Not designated	00/07-30-092-17W4/0	229	230.2	Wabiskaw C	AOSC
Not designated	00/13-09-092-18W4/0	204.7	211.6	Wabiskaw A	CNRL
Not designated	00/13-09-092-18W4/0	227.8	232	Wabiskaw C	CNRL
Not designated	02/06-10-092-18W4/0	230.8	235	Wabiskaw C	CNRL
Not designated	00/06-01-092-19W4/0	268.2	270	Grosmont	AOSC
Not designated	00/06-02-092-19W4/0	267	293	Grosmont	PERPETUAL
Not designated	00/07-03-092-19W4/0	232.5	233.2	Wabiskaw A	AOSC
Not designated	00/07-03-092-19W4/0	251.7	252	Wabiskaw C	AOSC
Not designated	00/07-03-092-19W4/0	261.3	261.6	Wabiskaw D	AOSC
Not designated	00/07-03-092-19W4/0	269	270	McMurray Channel	AOSC
Not designated	00/02-05-092-19W4/0	224	226.5	Wabiskaw A	PERPETUAL
Not designated	00/02-05-092-19W4/0	236	236.9	Wabiskaw C	PERPETUAL
Not designated	00/02-05-092-19W4/0	242	244.9	Wabiskaw D	PERPETUAL
Not designated	00/06-08-092-19W4/0	243.8	244.9	Wabiskaw C	AOSC
Not designated	00/06-08-092-19W4/0	253	254.8	Grosmont	AOSC
Not designated	00/06-08-092-19W4/0	287	292	Grosmont	AOSC
Not designated	00/04-09-092-19W4/0	253.5	287.0	Grosmont	AOSC
Not designated	00/10-10-092-19W4/0	259.3	260.4	McMurray Channel	PERPETUAL
Not designated	00/04-11-092-19W4/0	263.6	294	Grosmont	AOSC
Not designated	00/05-17-092-19W4/0	221.2	224.9	Wabiskaw A	AOSC
Not designated	00/05-17-092-19W4/0	240.4	242	Wabiskaw C	AOSC
Not designated	00/12-18-092-19W4/0	219.3	221.2	Grosmont	CNRL
Not designated	00/12-18-092-19W4/0	245.5	246.7	Grosmont	CNRL
Not designated	00/03-27-092-19W4/2	216.9	218.1	Wabiskaw A	AOSC
Not designated	00/03-27-092-19W4/2	319	375.5	Grosmont	AOSC
Not designated	00/02-29-092-19W4/0	261.2	267	Grosmont	PERPETUAL
Not designated	00/07-29-092-19W4/0	343.3	502	Wabiskaw A	PERPETUAL
Not designated	00/11-07-092-20W4/0	222.3	228	Grosmont	CNRL
Not designated	00/12-11-092-20W4/0	214.2	215.5	Wabiskaw A	MARATHON
Not designated	00/08-23-092-20W4/0	660.9	869.3	Wabiskaw A	CNRL
Not designated	00/04-24-092-20W4/0	241.3	245.4	Grosmont	CNRL
Not designated	00/13-25-092-20W4/0	233.9	240	Grosmont	CNRL
Not designated	00/15-01-092-21W4/0	231.3	235.1	Wabiskaw A	CNRL
Not designated	00/11-08-092-21W4/0	278	288	Grosmont	CNRL
Not designated	00/01-16-092-21W4/0	371	377	Grosmont	CNRL
Not designated	00/11-28-092-22W4/0	336.2	340.9	Grosmont	TERCERO
Not designated	00/13-36-092-22W4/0	302	311.8	Grosmont	BOW VALLEY
Not designated	00/07-21-092-23W4/0	345	364	Grosmont	DEVON
Not designated	00/02-03-093-17W4/0	214	215	Wabiskaw C	AOSC
Not designated	00/03-12-093-17W4/0	198	203	Wabiskaw A	AOSC
Not designated	00/10-20-093-17W4/0	213.4	214.5	Wabiskaw C	AOSC
Not designated	00/10-20-093-17W4/0	218	219	Wabiskaw D	AOSC
Not designated	00/11-31-093-17W4/0	236.2	238.4	Wabiskaw C	PERPETUAL

Pool name	Well ID	Pay top depth (TVD)	Pay base depth (TVD)	Current stratigraphic interval	Licensee
Not designated	00/11-31-093-17W4/0	243.2	244.9	Wabiskaw D	PERPETUAL
Not designated	00/06-11-093-18W4/0	231.1	233.3	Wabiskaw D	CNRL
Not designated	00/07-15-093-18W4/0	222.3	231	Wabiskaw C	CNRL
Not designated	00/07-15-093-18W4/0	233.7	235.7	Wabiskaw D	CNRL
Not designated	00/07-15-093-18W4/0	242.7	244.5	McMurray Channel	CNRL
Not designated	00/07-16-093-18W4/0	228.6	232.9	Wabiskaw D	CNRL
Not designated	00/11-17-093-18W4/0	228.9	232.9	Wabiskaw D	CNRL
Not designated	00/15-19-093-18W4/0	230.1	234	Wabiskaw D	CNRL
Not designated	00/11-20-093-18W4/0	212.2	213.6	Wabiskaw A	CNRL
Not designated	00/11-20-093-18W4/0	224.1	228.2	Wabiskaw C	CNRL
Not designated	00/11-06-093-19W4/2	258	301	Grosmont	PERPETUAL
Not designated	00/15-07-093-19W4/0	224	226	Wabiskaw A	PERPETUAL
Not designated	00/05-17-093-19W4/0	221	223	Wabiskaw A	CNRL
Not designated	00/01-18-093-19W4/0	221.7	223.7	Wabiskaw A	CNRL
Not designated	00/01-02-093-20W4/0	325.2	575.8	Wabiskaw A	PERPETUAL
Not designated	00/09-10-093-20W4/0	221.6	226.3	Grosmont	CNRL
Not designated	00/02-14-093-20W4/0	235.0	242.2	Grosmont	CNRL
Not designated	00/11-14-093-21W4/0	266.5	270.0	Grosmont	IMPERIAL
Not designated	00/15-15-093-22W4/0	383.2	385.5	Grosmont	TERCERO
Not designated	00/06-04-094-17W4/0	229.9	231	Wabiskaw C	AOSC
Not designated	00/12-11-094-17W4/0	231.8	233.2	Wabiskaw A	AOSC
Not designated	00/12-12-094-18W4/2	235.5	237.5	Wabiskaw C	AOSC
Not designated	00/12-12-094-18W4/2	242.6	245.5	Wabiskaw D	AOSC
Not designated	00/06-26-095-17W4/0	272.5	275.4	Wabiskaw C	CENOVUS
Not designated	00/06-35-095-17W4/0	324.2	326.2	Wabiskaw C	CENOVUS
Not designated	00/06-14-095-18W4/2	418.2	608	Wabiskaw C	AOSC