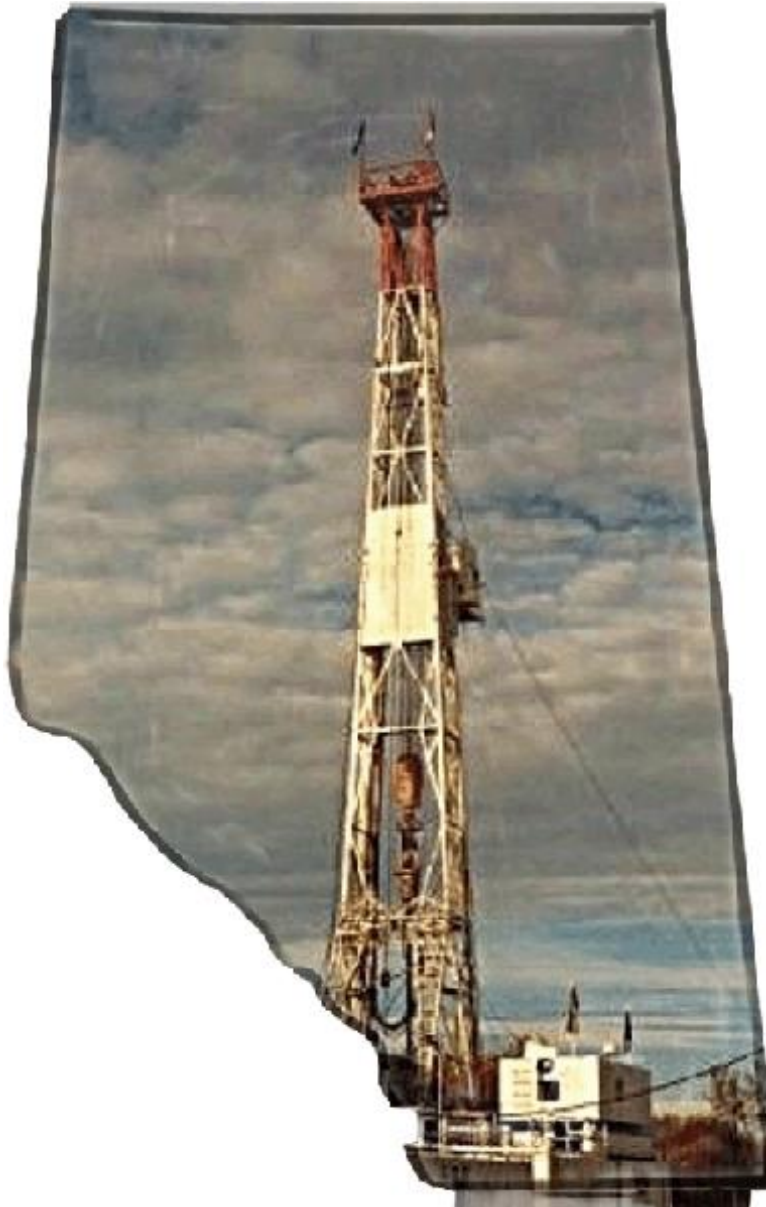


2019 APRIL 03

# PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2019.04.03

| From            | To    | Total | Area            |
|-----------------|-------|-------|-----------------|
| LEASES: A0002   | A0043 | 42    | 14,908.5200 ha. |
| LICENCES: B0044 | B0058 | 15    | 16,036.8200 ha. |
|                 |       | ----- |                 |
|                 |       | 57    | 30,945.3400 ha. |

PUBLIC OFFERING OF CROWN  
PETROLEUM AND NATURAL GAS RIGHTS

BIDDING DEADLINE

Offers to purchase petroleum and natural gas leases and licences (including any subsequent amendments) contained in this notice will **not** be accepted after **12 noon on 2019 April 03**.

HOW TO SUBMIT BIDS

1. E-Bidding is mandatory for the submission of bids for petroleum and natural gas leases and licences.
2. Bid requests must be submitted using the Department of Energy's Electronic Transfer System (ETS).

AMOUNT OF PAYMENT

1. Your total bid includes the bonus, rent at \$3.50/ha or \$50.00, whichever is greater, and a fee of \$625.00.
2. A bonus offer of less than \$2.50/ha for a lease or \$1.25/ha for a licence will not be considered.
3. The department reserves the right to reject any bid.

FORM OF PAYMENT

1. Payments must be made by electronic funds transfer (EFT) only.
2. Companies and individuals that do not have a GST registration number are liable for payment of the Goods and Services Tax on various charges. All registrants must ensure that they provide their GST registration number in writing to the Financial Services Branch @ Fax No. (780) 422-4281.

REMEMBER

1. The bidder is responsible for having sufficient funds to cover all bids in their EFT bank account by noon on the day of the sale. It can take up to midnight on the day following the sale to see your funds debited from your bank account for an accepted bid.
2. Requesters of parcels posted in this public offering are expected to bid on their parcels. If you are a requester of a parcel and fail to bid, you will be charged a penalty of \$625.00 (plus GST) for each parcel unless it is purchased by someone else.
3. Attached to this notice are APPENDIX 1 and APPENDIX 2 containing applicable Zone Designations (ZDs) and Deeper Rights Reversion Zone Designations (DRRZDs) respectively (See IL 98-14), and APPENDIX 3 containing, where necessary, addenda relating to surface access and terms and conditions for acquisition of parcels within Metis Settlements (See IL 92-19).
4. Addenda do not cover every access situation. Before bidding ensure that the public land manager is contacted for specific access constraints and for standard operating guidelines for that region. On privately owned lands, access approval is a confidential matter between the landowner and the mineral lessee.
5. The Government of Alberta's *"First Nations Consultation Policy on Land Management and Resource Development"* may apply to surface activities proposed as a result of acquiring Crown mineral rights. For information contact SREM Aboriginal Affairs Branch, Alberta Energy and Environment and Sustainable Resource Development at 780-644-8734.

RESULTS OF THE PUBLIC OFFERING

1. The accepted bids information will be available on **2019 April 03** in the afternoon on the Department's website at <http://www.energy.gov.ab.ca>.
2. All agreements are issued in accordance with the Mines & Minerals Act and its regulations.

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| LEASE                 | HECTARES | LAND DESCRIPTION  |                           |
|-----------------------|----------|---|---------------------------|
| --- PLAINS REGION --- |          |   |                           |
| A0002                 | 256      | 4-26-019: 29<br>PETROLEUM AND NATURAL GAS   |                           |
| A0003                 | 256      | 4-06-020: 18<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>SECOND WHITE SPECKS                                    | (CFB001001)<br>(DRRZD 13) |
| A0004                 | 128      | 4-08-020: 17W<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>SECOND WHITE SPECKS                                   | (CFB001001)<br>(DRRZD 13) |
| A0005                 | 256      | 4-27-020: 28<br>PETROLEUM AND NATURAL GAS   |                           |
| A0006                 | 192      | 4-27-020: 34N,SE<br>PETROLEUM AND NATURAL GAS   |                           |
| A0007                 | 64       | 4-07-021: 5SE<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>MEDICINE HAT SD<br>TO THE BASE OF THE MANNVILLE GRP   | (DRRZD 12)<br>(DRRZD 4)   |
| A0008                 | 256      | 4-27-021: 4<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE TURNER VALLEY FM   | (DRRZD 28)                |
| A0009                 | 256      | 4-27-021: 18<br>PETROLEUM AND NATURAL GAS   |                           |
| A0010                 | 192      | 4-24-029: 17S,NE<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>EDMONTON GRP<br>TO THE BASE OF THE BELLY RIVER GRP | (DRRZD 280)<br>(DRRZD 39) |
| A0011                 | 192      | 4-24-029: 17S,NE<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>BELLY RIVER GRP                                    | (DRRZD 39)                |
| A0012                 | 256      | 4-09-034: 6<br>PETROLEUM AND NATURAL GAS  |                           |
| A0013                 | 256      | 4-09-034: 7<br>PETROLEUM AND NATURAL GAS  |                           |
| A0014                 | 256      | 4-10-034: 20N; 21N<br>PETROLEUM AND NATURAL GAS   |                           |
| A0015                 | 1024     | 4-15-034: 3; 4; 11; 14<br>PETROLEUM AND NATURAL GAS   |                           |

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| LEASE | HECTARES    | LAND DESCRIPTION   |             |
|-------|-------------|--|-------------|
| A0016 | 192         |  |             |
|       | TRACT ONE   | 4-21-036: 32NW<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE NISKU FM               | (DRRZD 23)  |
|       | TRACT TWO   | 4-21-036: 32NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE MANNVILLE GRP          | (DRRZD 4)   |
|       | TRACT THREE | 4-21-036: 32SW<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE VIKING FM              | (DRRZD 6)   |
| A0017 | 128         | 4-02-038: 24W<br>PETROLEUM AND NATURAL GAS   |             |
| A0018 | 256         | 4-03-039: 10<br>PETROLEUM AND NATURAL GAS  |             |
| A0019 | 256         | 4-08-039: 32<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>VIKING FM             | (DRRZD 6)   |
| A0020 | 256         | 4-09-039: 34<br>PETROLEUM AND NATURAL GAS<br>EXCEPTING NATURAL GAS IN THE VIKING FM      | (ZD 75)     |
| A0021 | 192         | 4-09-039: 36N, SW<br>PETROLEUM AND NATURAL GAS<br>EXCEPTING NATURAL GAS IN THE VIKING FM | (ZD 75)     |
| A0022 | 64          | 4-09-040: 10SW<br>PETROLEUM AND NATURAL GAS<br>EXCEPTING NATURAL GAS IN THE VIKING FM    | (ZD 75)     |
| A0023 | 256         | 4-09-040: 11<br>PETROLEUM AND NATURAL GAS  |             |
| A0024 | 256         | 4-09-040: 12<br>PETROLEUM AND NATURAL GAS<br>EXCEPTING NATURAL GAS IN THE VIKING FM      | (ZD 75)     |
| A0025 | 188.52      | 4-28-051: 36E, WF<br>PETROLEUM AND NATURAL GAS   |             |
| A0026 | 256         | 5-01-051: 32<br>PETROLEUM AND NATURAL GAS  |             |
| A0027 | 256         | 5-01-052: 8<br>PETROLEUM AND NATURAL GAS   |             |
| A0028 | 64          | 4-20-059: 13SW<br>PETROLEUM AND NATURAL GAS<br>TO THE TOP OF THE ELK POINT GRP           | (DRRZD 284) |
| A0029 | 64          | 4-20-059: 13NW<br>PETROLEUM AND NATURAL GAS<br>TO THE TOP OF THE ELK POINT GRP           | (DRRZD 284) |

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| LEASE                   | HECTARES | LAND DESCRIPTION  |  |
|-------------------------|----------|---|--|
| A0030                   | 256      | 4-20-064: 16<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE MANNVILLE GRP   | (DRRZD 4)                                |
| A0031                   | 192      | 4-25-064: 7SE; 18SW; 19SW<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE VIKING FM  | (GZR002401)<br>(DRRZD 6)                 |
| A0032                   | 192      | 4-26-064: 23NW; 24SW,NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE VIKING FM  | (GZR002401)<br>(SHA006701)<br>(DRRZD 6)  |
| --- NORTHERN REGION --- |          |   |  |
| A0033                   | 128      | 5-09-049: 12N<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>CARDIUM FM<br>TO THE BASE OF THE NORDEGG MBR  | (SHA006701)<br>(DRRZD 3)<br>(DRRZD 66)   |
| A0034                   | 64       | 5-11-063: 21NE<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>VIKING FM  | (SHA008001)<br>(DRRZD 6)                 |
| A0035                   | 64       | 5-07-067: 20NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE VIKING FM   | (SHA007001)<br>(SHA008001)<br>(DRRZD 6)  |
| A0036                   | 128      | 4-25-070: 19E<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE VIKING FM  | (DRRZD 6)                                |
| A0037                   | 256      | 6-13-073: 27<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE DUNVEGAN FM   | (TSH003401)<br>(TSH003501)<br>(DRRZD 38) |
| A0038                   | 1280     | TRACT ONE<br>6-07-110: 26SE; 34N; 35N<br>6-07-111: 2<br>PETROLEUM AND NATURAL GAS<br><br>TRACT TWO<br>6-07-111: 10<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE SULPHUR POINT FM<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>KEG RIVER FM<br><br>TRACT THREE<br>6-07-110: 26N,SW; 34S; 35S<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>KEG RIVER FM | (DRRZD 43)<br>(DRRZD 16)<br>(DRRZD 16)   |
| A0039                   | 2048     | TRACT ONE<br>6-08-110: 6W; 7; 18<br>6-09-110: 1-4; 12<br>PETROLEUM AND NATURAL GAS<br><br>TRACT TWO<br>6-08-110: 6E<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>BLUESKY-BULLHEAD  | (DRRZD 21)                               |

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| LEASE                    | HECTARES  | LAND DESCRIPTION   |                          |
|--------------------------|-----------|--|--------------------------|
| -----                    | -----     | -----  |                          |
| A0040                    | 1536      |  |                          |
| TRACT ONE                |           | 6-08-110: 25NW; 26S,NW; 27; 34; 35S,NW<br>PETROLEUM AND NATURAL GAS  |                          |
| TRACT TWO                |           | 6-08-110: 25NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE SLAVE POINT FM<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>SULPHUR POINT FM      | (DRRZD 18)<br>(DRRZD 43) |
| TRACT THREE              |           | 6-08-110: 25SW<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE SULPHUR POINT FM<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>KEG RIVER FM        | (DRRZD 43)<br>(DRRZD 16) |
| TRACT FOUR               |           | 6-08-110: 35NE<br>PETROLEUM AND NATURAL GAS<br>TO THE TOP OF THE SULPHUR POINT FM<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>KEG RIVER FM         | (DRRZD 43)<br>(DRRZD 16) |
| TRACT FIVE               |           | 6-08-110: 36SW,NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE BLUESKY-BULLHEAD<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>SULPHUR POINT FM | (DRRZD 21)<br>(DRRZD 43) |
| TRACT SIX                |           | 6-08-110: 25SE; 26NE; 36SE,NW<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>KEG RIVER FM   | (DRRZD 16)               |
| -----                    |           |  |                          |
| A0041                    | 2048      |  |                          |
| TRACT ONE                |           | 6-09-111: 1; 12<br>PETROLEUM AND NATURAL GAS   |                          |
| TRACT TWO                |           | 6-09-111: 2<br>PETROLEUM AND NATURAL GAS<br>EXCEPTING NATURAL GAS IN THE BLUESKY-GETHING   | (ZD 3341)                |
| TRACT THREE              |           | 6-09-111: 11; 13; 14; 23; 24<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>BLUESKY-BULLHEAD  | (DRRZD 21)               |
| -----                    |           |  |                          |
| --- Foothills Region --- |           |  |                          |
| A0042                    | 128       | 5-04-026: 24N<br>PETROLEUM AND NATURAL GAS   |                          |
| -----                    |           |  |                          |
| A0043                    | 64        | 5-04-028: 26NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE CARDIUM FM   | (DRRZD 3)                |
| -----                    |           |  |                          |
| 42                       | 14,908.52 | HA TOTALS  | <b>END</b>               |

2019 APRIL 03

| LICENCE                 | HECTARES | LAND DESCRIPTION  |  |
|-------------------------|----------|---|--|
| --- NORTHERN REGION --- |          |   |  |
| B0044                   | 256      | 5-05-037: 30<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>NORDEGG MBR  | (DRRZD 66)   |
| B0045                   | 512      | 5-07-048: 28; 34<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>CARDIUM FM<br>TO THE BASE OF THE JURASSIC SYSTEM   | (IRZ003601)<br>(PPP001301)<br>(PRA020101)<br><br>(DRRZD 3)<br>(DRRZD 90) |
| B0046                   | 512      | 5-07-048: 28; 34<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>JURASSIC SYSTEM  | (IRZ003601)<br>(PPP001301)<br>(PRA020101)<br><br>(DRRZD 90)              |
| B0047                   | 1280     | TRACT ONE<br>5-07-050: 2<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>CARDIUM FM<br>TO THE BASE OF THE NISKU FM  | (PRP009301)<br>(SHA006701)<br><br>(DRRZD 3)<br>(DRRZD 79)                |
|                         |          | TRACT TWO<br>5-07-049: 34-36<br>5-07-050: 1<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>MANNVILLE GRP<br>TO THE BASE OF THE NISKU FM                  | (DRRZD 4)<br>(DRRZD 79)  |
| B0048                   | 256      | TRACT ONE<br>5-09-049: 12N<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>NORDEGG MBR  | (SHA006701)<br><br>(DRRZD 66)  |
|                         |          | TRACT TWO<br>5-09-049: 12S<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>NISKU FM   | (DRRZD 79)   |
| B0049                   | 768      | 5-26-067: 34; 35<br>5-26-068: 2<br>PETROLEUM AND NATURAL GAS  | (ESZ000101)<br>(IRS000201)<br>(SHA006701)                                |
| B0050                   | 1152     | TRACT ONE<br>5-25-070: 17; 19W<br>PETROLEUM AND NATURAL GAS   | (TSH003401)<br>(TSH003501)   |
|                         |          | TRACT TWO<br>5-25-070: 5; 7<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE FERNIE GRP<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>TRIASSIC SYSTEM | (DRRZD 276)<br>(DRRZD 37)  |
|                         |          | TRACT THREE<br>5-26-070: 25<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>TRIASSIC SYSTEM   | (DRRZD 37)   |

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| LICENCE                  | HECTARES | LAND DESCRIPTION  |  |
|--------------------------|----------|---|--|
| B0051                    | 704      | 5-21-072: 31S,NE<br>5-21-073: 6; 7<br>PETROLEUM AND NATURAL GAS   |  |
| B0052                    | 8036.82  |   | (SHA000701)<br>(TSH003401)<br>(TSH003501)<br>(WPP000101) |
| TRACT ONE                |          | 6-06-111: 18; 21; 28; 29N; 30NE; 33<br>6-06-112: 4-7<br>6-07-111: 13; 21-23; 25NW; 27; 28; 31W; 32E; 33-36<br>6-07-112: 1-4; 5N,SE,SWP; 12<br>PORTION(S) LYING OUTSIDE ZAMA LAKE INDIAN RESERVE NO. 210.<br>PETROLEUM AND NATURAL GAS |  |
| TRACT TWO                |          | 6-06-111: 19; 30S<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE WABAMUN GRP<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MUSKWA FM   | (DRRZD 277)<br>(DRRZD 292)                               |
| TRACT THREE              |          | 6-07-111: 24; 25S,NE<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE BANFF FM<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MUSKWA FM   | (DRRZD 255)<br>(DRRZD 292)                               |
| TRACT FOUR               |          | 6-06-111: 31E; 32SW<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE KEG RIVER FM   | (DRRZD 16)   |
| TRACT FIVE               |          | 6-06-111: 31NW<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM  | (DRRZD 255)  |
| TRACT SIX                |          | 6-06-111: 30NW<br>6-07-111: 31E; 32SW,NWP<br>PORTION(S) LYING OUTSIDE ZAMA LAKE INDIAN RESERVE NO. 210.<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE KEG RIVER FM   | (DRRZD 16)   |
| --- Foothills Region --- |          |   |  |
| B0053                    | 512      | 6-05-058: 32; 33<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE DUNVEGAN FM   | (SHA008201)<br>(DRRZD 38)                                |
| B0054                    | 512      | 6-05-059: 16; 21<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE DUNVEGAN FM   | (SHA008201)<br>(DRRZD 38)                                |
| B0055                    | 512      | 6-05-059: 33<br>6-05-060: 4<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE DUNVEGAN FM  | (ESZ000101)<br>(SHA006701)<br>(SHA008201)<br>(DRRZD 38)  |



2019 APRIL 03

| LICENCE | HECTARES  | LAND DESCRIPTION   |   |
|---------|-----------|--|---|
| B0056   | 512       | 6-05-059: 33<br>6-05-060: 4<br>PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE<br>DUNVEGAN FM<br>TO THE BASE OF THE BLUESKY-BULLHEAD | (ESZ000101)<br>(SHA006701)<br>(SHA008201)<br><br>(DRRZD 38)<br>(DRRZD 21) |
| B0057   | 256       | 6-05-059: 36<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE CARDIUM FM   | (SHA008201)<br><br>(DRRZD 51)   |
| B0058   | 256       | 6-06-059: 11<br>PETROLEUM AND NATURAL GAS<br>TO THE BASE OF THE DUNVEGAN FM  | (SHA008201)<br><br>(DRRZD 38)   |
| 15      | 16,036.82 | HA TOTALS  | <b>END</b>  |

## ZONE DESIGNATIONS APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

ZD: 75

ZONE: 2140 VIKING FM

INTERVAL: 2546.00 - 2646.00 FEET

KEY WELL: 00/11-01-039-09W4/0

LOG TYPE: ELECTRICAL

-----  
ZD: 3341

ZONE: 3050 BLUESKY-GETHING

INTERVAL: 1082.00 - 1118.00 FEET

KEY WELL: 00/11-03-111-09W6/0

LOG TYPE: DUAL INDUCTION-LATEROLOG

-----  
END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

DRRZD: 3                    ZONE: 1700    CARDIUM FM  
  
INTERVAL: 6303.00 - 6436.00 FEET  
KEY WELL: 00/16-16-041-06W5/0  
LOG TYPE: ELECTRICAL

---

DRRZD: 4                    ZONE: 2480    MANNVILLE GRP  
  
INTERVAL: 2557.00 - 2985.00 FEET  
KEY WELL: 00/06-16-041-08W4/0  
LOG TYPE: INDUCTION ELECTRICAL

---

DRRZD: 6                    ZONE: 2140    VIKING FM  
  
INTERVAL: 2600.00 - 2680.00 FEET  
KEY WELL: 00/10-10-042-14W4/0  
LOG TYPE: INDUCTION ELECTRICAL

---

DRRZD: 12                  ZONE: 1640    MEDICINE HAT SD  
  
INTERVAL: 1312.00 - 1582.00 FEET  
KEY WELL: 00/06-30-014-04W4/0  
LOG TYPE: INDUCTION GAMMA RAY

---

DRRZD: 13                  ZONE: 1860    SECOND WHITE SPECKS  
  
INTERVAL: 1820.00 - 2030.00 FEET  
KEY WELL: 00/10-17-014-09W4/0  
LOG TYPE: INDUCTION ELECTRIC

---

DRRZD: 16                  ZONE: 7721    KEG RIVER FM  
  
INTERVAL: 5866.00 - 6772.00 FEET  
KEY WELL: 00/07-32-109-08W6/0  
LOG TYPE: GAMMA RAY NEUTRON

---

DRRZD: 18                  ZONE: 7580    SLAVE POINT FM  
  
INTERVAL: 4196.00 - 4336.00 FEET  
KEY WELL: 00/02-17-088-08W5/0  
LOG TYPE: GAMMA RAY-ACOUSTIC

---

DRRZD: 21                  ZONE: 3052    BLUESKY-BULLHEAD  
  
INTERVAL: 2754.00 - 3043.00 FEET  
KEY WELL: 00/10-32-081-01W6/0  
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

---

DRRZD: 23                  ZONE: 6960    NISKU FM  
  
INTERVAL: 5023.00 - 5190.00 FEET  
KEY WELL: 00/06-24-050-26W4/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

---

DRRZD: 28                  ZONE: 6300    TURNER VALLEY FM  
  
INTERVAL: 5817.00 - 6172.00 FEET  
KEY WELL: 00/08-30-019-02W5/0  
LOG TYPE: GAMMA RAY NEUTRON

---

DRRZD: 37                  ZONE: 5000    TRIASSIC SYSTEM  
  
INTERVAL: 6948.00 - 7042.00 FEET  
KEY WELL: 00/10-07-062-19W5/0  
LOG TYPE: DUAL INDUCTION FOCUSED

---

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

DRRZD: 38                    ZONE: 1920   DUNVEGAN FM  
  
INTERVAL: 2566.00 - 3038.00 FEET  
KEY WELL: 00/11-04-074-05W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

---

DRRZD: 39                    ZONE: 1260   BELLY RIVER GRP  
  
INTERVAL: 1688.00 - 2453.00 FEET  
KEY WELL: 00/07-18-032-22W4/0  
LOG TYPE: INDUCTION ELECTRICAL

---

DRRZD: 43                    ZONE: 7675   SULPHUR POINT FM  
  
INTERVAL: 5408.00 - 5482.00 FEET  
KEY WELL: 02/07-18-109-07W6/0  
LOG TYPE: FORMATION DENSITY

---

DRRZD: 51                    ZONE: 1700   CARDIUM FM  
  
INTERVAL: 2350.40 - 2415.70 METRES  
KEY WELL: 00/07-36-058-03W6/0  
LOG TYPE: DUAL INDUCTION SFL

---

DRRZD: 66                    ZONE: 4440   NORDEGG MBR  
  
INTERVAL: 5610.00 - 5670.00 FEET  
KEY WELL: 00/10-12-055-09W5/0  
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

---

DRRZD: 79                    ZONE: 6960   NISKU FM  
  
INTERVAL: 8324.00 - 8730.00 FEET  
KEY WELL: 00/06-25-050-10W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

---

DRRZD: 90                    ZONE: 4000   JURASSIC SYSTEM  
  
INTERVAL: 7052.00 - 7148.00 FEET  
KEY WELL: 00/06-29-039-03W5/0  
LOG TYPE: INDUCTION ELECTROLOG

---

DRRZD: 255                   ZONE: 6440   BANFF FM  
  
INTERVAL: 2690.00 - 2892.00 METRES  
KEY WELL: 00/01-18-066-26W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

---

DRRZD: 276                   ZONE: 4140   FERNIE GRP  
  
INTERVAL: 2048.00 - 2151.00 METRES  
KEY WELL: 00/13-01-074-11W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 277                   ZONE: 6580   WABAMUN GRP  
  
INTERVAL: 10452.00 - 11198.00 FEET  
KEY WELL: 00/03-10-063-26W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 280                   ZONE: 1060   EDMONTON GRP  
  
INTERVAL: 335.00 - 962.00 METRES  
KEY WELL: 00/06-24-044-04W5/0  
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

DRRZD: 284

ZONE: 7635 ELK POINT GRP

INTERVAL: 783.00 - 1370.00 METRES

KEY WELL: 02/06-13-063-08W4/0

LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

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DRRZD: 292

ZONE: 7430 MUSKWA FM

INTERVAL: 1568.50 - 1613.00 METRES

KEY WELL: 00/12-19-109-08W6/0

LOG TYPE: DUAL LATEROLOG

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END

## ADDENDA AND CONTACTS APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

**CFB001001**            **SUFFIELD**  
                           LAND DESCRIPTION  
 LEASE     A0003  
 LEASE     A0004   4-08-020: 17WP

ALL LAND(S) IS/ARE WITHIN CANADIAN FORCES BASE SUFFIELD. FOR INFORMATION CONCERNING SURFACE ACCESS PLEASE REFER TO ALBERTA ENERGY INFORMATION BULLETIN 99-6 AND INFORMATION LETTER 99-36.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LUCIANO SCARPINO  
 SUPERVISOR, RANGE SAFETY  
 SUFFIELD INDUSTRY RANGE CONTROL LTD.  
 500 CENTRE ST SE  
 PO BOX 766  
 CALGARY AB T2P 0M5                               (403) 862-0065

**ESZ000101**            **EASTERN SLOPES POLICY ZONE 2**  
                           LAND DESCRIPTION  
 LICENCE B0049   5-26-067: 35P  
 LICENCE B0055   6-05-059: 33P  
                           6-05-060: 4P  
 LICENCE B0056   6-05-059: 33P  
                           6-05-060: 4P

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER  
 GRANDE PRAIRIE OFFICE  
 GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE  
 RESOURCE DEV  
 10320 99 ST  
 GRANDE PRAIRIE AB T8V 6J4                               (780) 538-5260

**GZR002401**            **BLACK BEAR**  
                           LAND DESCRIPTION  
 LEASE     A0031   4-25-064: 18SW; 19SW  
 LEASE     A0032

ALL LAND(S) IS/ARE WITHIN A GRAZING RESERVE.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JIM LINDQUIST  
 PGR RANGELAND AGROLOGIST  
 ST PAUL OFFICE - RANGELAND DISTRICT - LANDS DIVISION DEPT. OF SUSTAINABLE  
 RESOURCE DEV  
 5025 49 AVE  
 PO BOX 417  
 ST PAUL AB T0A 3A4                               (780) 645-6336

**IRS000201**            **STURGEON LAKE-PUSKWASKAU EAST**  
                           LAND DESCRIPTION  
 LICENCE B0049   5-26-067: 35P  
                           5-26-068: 2P

ALL LAND(S) IS/ARE WITHIN A INTEGRATED RESOURCE PLAN SPECIAL LAND USE AREA

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER  
 GRANDE PRAIRIE OFFICE  
 GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE  
 RESOURCE DEV  
 10320 99 ST  
 GRANDE PRAIRIE AB T8V 6J4                               (780) 538-5260



ADDENDA AND CONTACTS APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

**SHA000701 HAY-ZAMA LAKE COMPLEX**

LAND DESCRIPTION  
LICENCE B0052 6-06-111: 31NWP  
6-06-112: 6SWP  
6-07-111: 31P; 32P; 33P; 34NP; 35NP; 36NP  
6-07-112: 1SP; 2SEP; 3SEP

ALL LAND(S) IS/ARE WITHIN THE HAY-ZAMA LAKE COMPLEX.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

RON MILLSON  
WILDLIFE BIOLOGIST  
PEACE RIVER OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9621 96 AVE  
PO BAG 900 26  
PEACE RIVER AB T8S 1T4 (780) 624-6405

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**SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES**

LAND DESCRIPTION  
LEASE A0032 4-26-064: 23NWP; 24SWP  
LEASE A0033 5-09-049: 12NP  
LICENCE B0047 5-07-049: 36E,WP  
5-07-050: 1E,WP  
LICENCE B0048 5-09-049: 12NP,SWP  
LICENCE B0049 5-26-067: 34NEP; 35SP,NWP,NE  
5-26-068: 2  
LICENCE B0055 6-05-059: 33NP  
6-05-060: 4N,SEP,SW  
LICENCE B0056 6-05-059: 33NP  
6-05-060: 4N,SEP,SW

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**SHA007001 SPECIAL ACCESS ZONE**

LEASE A0035

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**SHA008001 SWAN HILLS GRIZZLY BEAR ZONE**

LEASE A0034  
LEASE A0035

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE**

- LICENCE B0053
- LICENCE B0054
- LICENCE B0055
- LICENCE B0056
- LICENCE B0057
- LICENCE B0058

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER**

- LEASE A0037 6-13-073: 27P
- LICENCE B0050 5-25-070: 5P; 7P; 19SWP
- LICENCE B0052 6-06-111: 31NP,SEP  
6-06-112: 4P; 5P; 6P; 7P  
6-07-111: 31SWP,NEP; 32SP,NEP; 33P; 34P; 35P  
6-07-112: 1P; 2P; 3P; 4P; 5P; 12P

ALL LAND(S) IS/ARE WITHIN TRUMPETER SWAN HABITAT 500 METRE BUFFER. ACTIVITIES SHALL NOT OCCUR WITHIN 500 METRES OF THE BED AND SHORE ON IDENTIFIED WATERBODIES AND/OR WATERCOURSES.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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**TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER**

- LEASE A0037 6-13-073: 27P
- LICENCE B0050 5-25-070: 5P; 7P; 17P; 19NWP
- LICENCE B0052 6-06-111: 31NEP; 32SWP; 33P  
6-06-112: 4P; 5P; 6P; 7P  
6-07-111: 31SP,NWP; 32NP,SWP; 33P; 34P; 35P; 36P  
6-07-112: 1P; 2P; 12P

ALL LAND(S) IS/ARE WITHIN TRUMPETER SWAN HABITAT 800 METRE BUFFER. ACTIVITIES SHALL NOT OCCUR WITHIN 800 METRES OF THE BED AND SHORE ON IDENTIFIED WATERBODIES AND/OR WATERCOURSES.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK  
PROVINCIAL WILDLIFE HABITAT SPECIALIST  
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV  
9920 108 ST NW FLOOR 2  
EDMONTON AB T5K 2M4 (780) 422-3344

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ADDENDA AND CONTACTS APPLICABLE TO THE 2019 APRIL 03 PUBLIC OFFERING NOTICE

WPP000101

HAY - ZAMA LAKES

LAND DESCRIPTION

LICENCE B0052 6-06-112: 4P; 5SP,NW,NEP; 6SP,N; 7  
6-07-111: 31NP; 32P; 33NP; 34NWP  
6-07-112: 1SP,N; 2SP,N; 3SP,N; 4; 5N,SE,SWP; 12

ALL LAND(S) IS/ARE WITHIN A WILDLAND PROVINCIAL PARK.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DEBORAH JOHNSTONE  
PLANNING AND LAND USE TECHNOLOGIST  
TOURISM, PARKS AND RECREATION  
PARKS AND PROTECTED AREAS DIVISION  
9820 106 ST NW FLOOR 2  
EDMONTON AB T5K 2J6 (780) 644-5357

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END