

2019 JUNE 05

# PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



*Alberta*   
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2019.06.05

From	To	Total	Area
LEASES: A0001	A0044	44	11,897.0100 ha.
LICENCES: B0045	B0059	15	8,128.0000 ha.
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		59	20,025.0100 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 June 05**.

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 June 05** 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 ---		
A0001	144	4-13-012: 1E, L3 PETROLEUM AND NATURAL GAS
A0002	429.61	(SHA006801) (SHA007201)
TRACT ONE		4-23-023: 6NP PORTION(S) DESIGNATED AS ALKALINE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/19. 4-24-023: 1NP PORTION(S) DESIGNATED AS ALKALINE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/19. 3WP; 10WP PORTION(S) DESCRIBED AS A SURVEYED ROADWAY ADJOINING THE SIKSIKA INDIAN RESERVE NO. 146 AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. 11EP PORTION(S) SHOWN AS A LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL, AT OTTAWA IN 1898/12/30. PETROLEUM AND NATURAL GAS
TRACT TWO		4-23-023: 7SP, NWP PORTION(S) DESIGNATED AS ALKALINE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/19. 4-24-022: 31SWP, L2P, L11P, L12P, L13P PORTION(S) DESIGNATED AS ALKALINE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. 4-24-023: 4SEP PORTION(S) DESCRIBED AS A SURVEYED ROADWAY ADJOINING THE SIKSIKA INDIAN RESERVE NO. 146 AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP (DRRZD 39)
TRACT THREE		4-24-023: 12S, NP PORTION(S) SHOWN AS A LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL, AT OTTAWA IN 1898/12/30. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM (DRRZD 6)
TRACT FOUR		4-24-022: 17WP; 20WP PORTION(S) DESCRIBED AS A SURVEYED ROADWAY ADJOINING THE SIKSIKA INDIAN RESERVE NO. 146 AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0003	512		(HRV003701)
TRACT ONE		4-14-023: 9S,NW,L10; 16L12,L13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
TRACT TWO		4-14-023: 9L16; 16NE,L7,L11,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD EXCEPTING PETROLEUM AND NATURAL GAS IN THE PEKISKO FM	(DRRZD 12) (DRRZD 30)
TRACT THREE		4-14-023: 16L4,L5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FOUR		4-14-023: 16L3,L6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE PEKISKO FM	(DRRZD 4) (DRRZD 30)
TRACT FIVE		4-14-023: 9L9,L15; 16L1,L2,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
A0004	168.2		(HRV003701)
		4-14-023: 17L1,L2,L3P,L4P,L6P,L7P,L8,L11P,L13P PORTION(S) LYING TO THE SOUTH AND EAST OF THE RIGHT BANK OF THE RED DEER RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA IN 1885/04/29. 17L9,L14P PORTION(S) LYING TO THE LEFT OF THE RIGHT BANK OF THE RED DEER RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA IN 1885/04/29. 17L10P,L15,L16 PORTION(S) LYING TO THE SOUTH AND EAST OF THE RIGHT BANK OF THE RED DEER RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA IN 1885/04/29. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0005	515.2		(SHA007201)
		4-24-023: 29SP,NE; 30EP; 32S,NWP,NE PORTION(S) DESIGNATED AS EAGLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/30. 4-24-024: 5SP,NEP PORTION(S) DESIGNATED AS EAGLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1886/01/29. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0006	256		
		4-27-036: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 280) (DRRZD 39)
A0007	256		
		4-25-039: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 280) (DRRZD 39)

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LEASE	HECTARES	LAND DESCRIPTION	
A0008	256	4-25-039: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 280) (DRRZD 39)
A0009	16	4-03-041: 10L1 PETROLEUM AND NATURAL GAS	
A0010	64	4-03-041: 10NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0011	256	4-16-045: 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0012	1024	TRACT ONE 4-27-050: 32 PETROLEUM AND NATURAL GAS  TRACT TWO 4-27-050: 30 4-28-050: 24; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0013	768	TRACT ONE 5-01-051: 26 PETROLEUM AND NATURAL GAS  TRACT TWO 5-01-051: 34 5-01-052: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0014	64	5-03-051: 14NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0015	128	4-07-052: 36W PETROLEUM AND NATURAL GAS	
--- NORTHERN REGION ---			
A0016	256	5-07-048: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0017	256	TRACT ONE 5-08-048: 18N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP  TRACT TWO 5-08-048: 18S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)

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LEASE	HECTARES	LAND DESCRIPTION	
A0018	256	5-14-048: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(ESZ000101) (IRZ004401) (SHA006701) (SHA007901)  (DRRZD 39)
A0019	256	TRACT ONE 5-14-048: 30S,NE PETROLEUM AND NATURAL GAS  TRACT TWO 5-14-048: 30NW PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE ROCK CREEK MBR	(ESZ000101) (IRZ004401) (SHA006701) (SHA007901)       (DRRZD 60)
A0020	256	5-14-048: 33 PETROLEUM AND NATURAL GAS	(ESZ000101)
A0021	256	5-07-049: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0022	256	5-08-050: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0023	256	5-10-050: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0024	256	TRACT ONE 5-10-050: 17N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM  TRACT TWO 5-10-050: 17S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 280) (DRRZD 39)  (DRRZD 3)       (DRRZD 3)
A0025	192	TRACT ONE 5-13-053: 1NE; 12SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP  TRACT TWO 5-13-053: 11NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(SHA007001)       (DRRZD 3) (DRRZD 4)    (DRRZD 3)
A0026	256	5-22-054: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA008201)  (DRRZD 21)

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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LEASE	HECTARES	LAND DESCRIPTION	
A0027	512		(ESZ000101) (SHA006701)
	TRACT ONE	5-18-055: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	5-18-055: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TURNER VALLEY FM	(DRRZD 28)
A0028	256		(SHA006701)
		5-18-055: 25 PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(DRRZD 66)
A0029	512		(SHA008201)
		5-20-055: 30 5-21-056: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0030	64		(SHA008001)
		5-14-062: 35SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0031	64		(SHA008001)
		5-14-062: 35SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0032	256		
		6-01-072: 34 PETROLEUM AND NATURAL GAS	
A0033	256		
		6-08-072: 18 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0034	128		(TSH003401) (TSH003501)
		6-11-072: 3S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
A0035	128		(TSH003401) (TSH003501)
		6-11-072: 17S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
A0036	128		
		6-12-072: 13N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0037	256		(TSH003401) (TSH003501)
		6-12-072: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0038	256		
		5-13-073: 6 PETROLEUM AND NATURAL GAS	
A0039	256		
		6-01-073: 1 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0040	192	6-11-073: 22N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0041	256	6-11-080: 13 PETROLEUM AND NATURAL GAS	(TSH003401) (TSH003501)
--- Foothills Region ---			
A0042	256	5-07-036: 36 PETROLEUM AND NATURAL GAS	
A0043	256	5-09-036: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(IRZ003501) (SHA006701) (SHA008301) (DRRZD 6)
A0044	256		(IRZ003501) (SHA006701) (SHA008301)
TRACT ONE		5-09-036: 34NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT TWO		5-09-036: 34S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
44	11,897.01	HA TOTALS	<b>END</b>



2019 JUNE 05

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0045	256	5-07-039: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)
B0046	512	5-18-048: 26; 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA007901) (DRRZD 3) (DRRZD 21)
B0047	512	TRACT ONE 5-17-049: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA007901) (DRRZD 3) (DRRZD 21)
		TRACT TWO 5-17-049: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 3) (DRRZD 22)
B0048	512	5-19-053: 2; 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(TSH003401) (TSH003501) (DRRZD 21)
B0049	1280	TRACT ONE 5-18-055: 5S PETROLEUM AND NATURAL GAS	
		TRACT TWO 5-18-055: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 3) (DRRZD 22)
		TRACT THREE 5-18-054: 31 5-18-055: 5N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
		TRACT FOUR 5-19-054: 36N PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 3) (DRRZD 21)
		TRACT FIVE 5-19-054: 36SE PETROLEUM AND NATURAL GAS TO THE TOP OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 3) (DRRZD 21)
		TRACT SIX 5-19-054: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
		TRACT SEVEN 5-19-054: 36SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0050	512	5-27-067: 36 5-27-068: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 276) (DRRZD 37)
B0051	512	5-26-069: 16; 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(IRS000201) (DRRZD 37)
B0052	512	5-26-069: 16; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(IRS000201) (DRRZD 37)
B0053	256	6-08-072: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE TOP OF THE MONTNEY FM	(DRRZD 22) (DRRZD 264)
B0054	576	6-12-072: 23; 36SW 6-12-073: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(TSH003401) (TSH003501) (DRRZD 251)
B0055	512	6-09-079: 2; 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
--- FOOTHILLS REGION ---			
B0056	256	5-07-034: 6 PETROLEUM AND NATURAL GAS	(SHA006701)
B0057	640	5-08-034: 33N 5-08-035: 4; 10 PETROLEUM AND NATURAL GAS	
B0058	512	5-09-034: 24; 26 PETROLEUM AND NATURAL GAS	(SHA006701) (SHA008301)
B0059	768	5-24-052: 26; 28; 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(ESZ000101) (SHA008201) (DRRZD 51)
15	8,128.00	HA TOTALS	<b>END</b>

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 JUNE 05 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

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

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

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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

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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

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DRRZD: 22                   ZONE: 2640    SPIRIT RIVER FM  
  
INTERVAL: 2004.00 - 3138.00 FEET  
KEY WELL: 00/11-03-078-01W6/0  
LOG TYPE: INDUCTION ELECTRIC

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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

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DRRZD: 30                   ZONE: 6420    PEKISKO FM  
  
INTERVAL: 9232.00 - 9390.00 FEET  
KEY WELL: 00/07-13-033-05W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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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

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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

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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

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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS  
APPLICABLE TO THE 2019 JUNE 05 PUBLIC OFFERING NOTICE

DRRZD: 60                      ZONE: 4320   ROCK CREEK MBR

INTERVAL: 2502.50 - 2531.50 METRES  
KEY WELL: 00/10-35-049-13W5/2  
LOG TYPE: DUAL LATEROLOG

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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

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DRRZD: 246                     ZONE: 5160   HALFWAY FM

INTERVAL: 6344.00 - 6402.00 FEET  
KEY WELL: 00/11-18-077-08W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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DRRZD: 251                     ZONE: 5200   DOIG FM

INTERVAL: 1770.00 - 1853.00 METRES  
KEY WELL: 00/03-22-078-10W6/0  
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

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DRRZD: 264                     ZONE: 5240   MONTNEY FM

INTERVAL: 2229.00 - 2491.50 METRES  
KEY WELL: 00/06-32-076-11W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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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: 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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END



ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JUNE 05 PUBLIC OFFERING NOTICE

**IRZ003501**                    **ROCKY-NORTH SASKATCHEWAN ZONE 2**

LAND DESCRIPTION  
LEASE    A0043    5-09-036: 34P  
LEASE    A0044    5-09-036: 34SEP

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  
ROCKY MOUNTAIN HOUSE OFFICE  
ROCKY MOUNTAIN HOUSE REGIONAL OFFICE - LAND AND FOREST SERVICE DEPT. OF  
SUSTAINABLE RESOURCE DEV  
COURIER BOX 21  
PO BOX 1720  
ROCKY MOUNTAIN HOUSE AB    T4T 1B3                    (403) 845-8272

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**IRZ004401**                    **BRAZEAU-PEMBINA ZONE 2**

LAND DESCRIPTION  
LEASE    A0018    5-14-048: 19P  
LEASE    A0019    5-14-048: 30P

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  
DRAYTON VALLEY OFFICE  
DRAYTON VALLEY OFFICE-LAND USE AREA -LANDS DIVISION DEPT. OF SUSTAINABLE  
RESOURCE DEV  
6521 50 AVE  
PO BOX 6090  
DRAYTON VALLEY AB    T7A 1R6                    (780) 542-6616

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**SHA006701**                    **KEY WILDLIFE AND BIODIVERSITY ZONES**

LAND DESCRIPTION  
LEASE    A0018    5-14-048: 19EP  
LEASE    A0019    5-14-048: 30P  
LEASE    A0027    5-18-055: 15; 16P  
LEASE    A0028    5-18-055: 25P  
LEASE    A0043    5-09-036: 34SEP  
LEASE    A0044    5-09-036: 34SEP  
LICENCE B0056    5-07-034: 6SP,N  
LICENCE B0058    5-09-034: 26SP,NW,NEP

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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**SHA006801**                    **COLONIAL NESTING BIRDS**

LAND DESCRIPTION  
LEASE    A0002    4-24-022: 31SWP,L2P,L11P,L12P,L13P

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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ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JUNE 05 PUBLIC OFFERING NOTICE

**SHA007001 SPECIAL ACCESS ZONE**

LAND DESCRIPTION  
LEASE A0025 5-13-053: 1NE; 11NEP; 12SW

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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**SHA007201 PIPING PLOVER**

LAND DESCRIPTION  
LEASE A0002 4-23-023: 6NP; 7SP,NWP  
4-24-023: 1NP; 11EP; 12NP  
LEASE A0005 4-24-023: 29SP; 30EP; 32NWP  
4-24-024: 5SP,NEP

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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**SHA007901 YELLOWHEAD GRIZZLY BEAR ZONE**

LAND DESCRIPTION  
LEASE A0018  
LEASE A0019 5-14-048: 30NP,SEP  
LICENCE B0046  
LICENCE B0047 5-17-049: 6P

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 A0030  
LEASE A0031

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**

LAND DESCRIPTION  
LEASE A0026 5-22-054: 31P  
LEASE A0029 5-20-055: 30P  
5-21-056: 1  
LICENCE B0059

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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**SHA008301 CLEARWATER GRIZZLY BEAR ZONE**

LAND DESCRIPTION  
LEASE A0043  
LEASE A0044  
LICENCE B0058 5-09-034: 26P

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**

LAND DESCRIPTION  
LEASE A0034 6-11-072: 3SP  
LEASE A0035 6-11-072: 17SP  
LEASE A0037 6-12-072: 22P  
LEASE A0041 6-11-080: 13P  
LICENCE B0048 5-19-053: 3P  
LICENCE B0054 6-12-072: 36SWP

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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ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JUNE 05 PUBLIC OFFERING NOTICE

**TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER**

		LAND DESCRIPTION
LEASE	A0034	6-11-072: 3SP
LEASE	A0035	6-11-072: 17SP
LEASE	A0037	6-12-072: 22P
LEASE	A0041	6-11-080: 13P
LICENCE	B0048	5-19-053: 2P; 3P
LICENCE	B0054	6-12-072: 36SWP

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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**END**