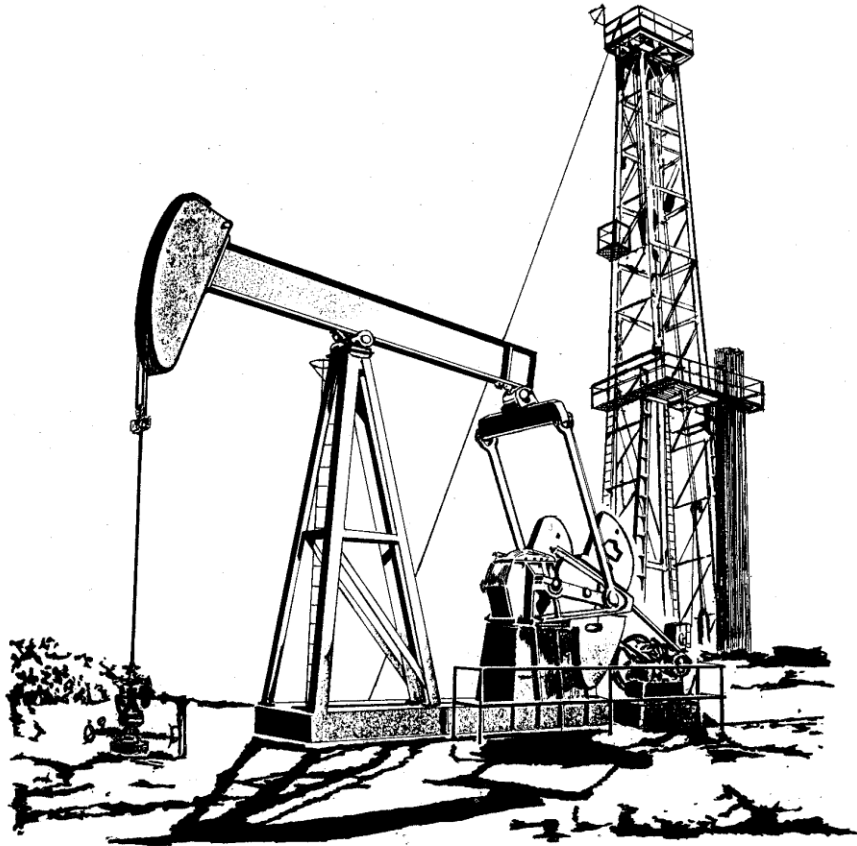


2019 FEBRUARY 06

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta 
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2019.02.06

From	To	Total	Area
LEASES: A0001	A0062	62	18,288.0100 ha.
LICENCES: B0063	B0078	16	11,968.0000 ha.

		78	30,256.0100 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 February 06**.

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 February 06** 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.

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION
--- PLAINS REGION ---		
A0001	240.01	4-19-011: 1SEP PORTION(S) DESIGNATED AS BELLY RIVER ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 1SWP PORTION(S) LYING TO THE NORTH AND WEST OF THE RIGHT BANK OF THE BELLY RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 1NWP PORTION(S) LYING TO THE NORTH AND WEST OF THE RIGHT BANK OF THE BELLY RIVER AND TO THE SOUTH OF THE LEFT BANK OF THE LITTLE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 1NEP PORTION(S) DESIGNATED AS BELLY AND LITTLE BOW RIVERS ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 2SEP PORTION(S) LYING TO THE NORTH OF THE RIGHT BANK OF THE BELLY RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 2SWP PORTION(S) LYING TO THE NORTH AND WEST OF THE RIGHT BANK OF THE BELLY RIVER AND EXCEPTING A SMALL ISLAND MIDWAY BETWEEN SAID RIGHT BANK AND THE EAST SHORE OF A LARGE ISLAND AND EXCEPTING A SMALL PENINSULA LYING TO THE NORTH OF THE SOUTH BOUNDARY OF SAID QUARTER SECTION AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. 2NEP PORTION(S) LYING TO THE SOUTH OF THE LEFT BANK OF THE LITTLE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1887/11/23. PETROLEUM AND NATURAL GAS
A0002	2752	TRACT ONE 4-19-016: 30 4-20-016: 13; 20; 25; 28; 36 PETROLEUM AND NATURAL GAS TRACT TWO 4-19-016: 29S,NW 4-20-016: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MILK RIVER FM (DRRZD 11) TRACT THREE 4-20-016: 24; 33; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD (DRRZD 8)
A0003	256	4-26-016: 24 PETROLEUM AND NATURAL GAS
A0004	128	4-26-016: 25W PETROLEUM AND NATURAL GAS
A0005	64	4-26-016: 26NE PETROLEUM AND NATURAL GAS

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION	
A0006	256	4-29-016: 34 PETROLEUM AND NATURAL GAS	
A0007	256	5-01-017: 24 PETROLEUM AND NATURAL GAS	
A0008	256	4-27-020: 32 PETROLEUM AND NATURAL GAS	
A0009	256	4-27-021: 10 PETROLEUM AND NATURAL GAS	
A0010	256	TRACT ONE 4-28-033: 4N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		TRACT TWO 4-28-033: 4SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
A0011	256	4-10-035: 5 PETROLEUM AND NATURAL GAS	
A0012	256	4-11-035: 1 PETROLEUM AND NATURAL GAS	
A0013	64	4-11-035: 2SE PETROLEUM AND NATURAL GAS	
A0014	64	4-11-035: 2NE PETROLEUM AND NATURAL GAS	
A0015	256	4-11-035: 3 PETROLEUM AND NATURAL GAS	
A0016	256	4-11-035: 10 PETROLEUM AND NATURAL GAS	
A0017	256	4-20-035: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0018	64	4-26-035: 34NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP EXCEPTING NATURAL GAS IN THE PEKISKO FM	(DRRZD 39) (ZD 2099)
A0019	192	4-25-036: 18S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)
A0020	256	5-04-040: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION	
A0021	1024		
	TRACT ONE	4-09-046: 14 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2301)
	TRACT TWO	4-09-046: 16; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE UPPER COLORADO SHALE EXCEPTING NATURAL GAS IN THE VIKING FM EXCEPTING NATURAL GAS IN THE UPPER MANNVILLE FM EXCEPTING NATURAL GAS IN THE DINA MBR EXCEPTING NATURAL GAS IN THE NISKU FM EXCEPTING NATURAL GAS IN THE CAMROSE TONGUE =DOL=	(DRRZD 282) (ZD 2301) (ZD 122-A) (ZD 122) (ZD 122) (ZD 122-B)
	TRACT THREE	4-09-046: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM EXCEPTING NATURAL GAS IN THE VIKING FM EXCEPTING NATURAL GAS IN THE DINA MBR	(DRRZD 4) (DRRZD 23) (ZD 2301) (ZD 122)
A0022	64	4-25-046: 26NE PETROLEUM AND NATURAL GAS	
A0023	256	4-25-047: 10 PETROLEUM AND NATURAL GAS	
A0024	64	4-20-048: 18SE PETROLEUM AND NATURAL GAS	
A0025	1088	4-24-048: 29; 30; 31SW 4-24-049: 6S,NW 4-25-048: 26NE; 36 PETROLEUM AND NATURAL GAS	
A0026	768		
	TRACT ONE	4-25-048: 28; 29 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-25-048: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0027	1024		
	TRACT ONE	4-24-049: 30 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-24-049: 18; 20; 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0028	64	4-03-051: 14L5-L8 PETROLEUM AND NATURAL GAS	
A0029	64	4-18-061: 21SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA006701) (DRRZD 6)

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
A0030	256	5-05-037: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 4)
A0031	256	5-06-037: 11 PETROLEUM AND NATURAL GAS	(IRZ003601) (NAT002201) (SHA006701)
A0032	256	5-11-047: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(SHA006701) (DRRZD 3)
A0033	256	5-23-054: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA008201) (DRRZD 21)
A0034	64	5-09-057: 1SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BANFF FM	(DRRZD 57)
A0035	256	6-05-061: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(ESZ000301) (SHA006701) (SHA008201) (DRRZD 22)
A0036	256	6-05-061: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(ESZ000301) (SHA006701) (SHA008201) (DRRZD 22)
A0037	128	5-11-067: 34W PETROLEUM AND NATURAL GAS	(SHA008001)
A0038	128	5-10-068: 13E PETROLEUM AND NATURAL GAS	(SHA008001)
A0039	128	5-10-068: 23E PETROLEUM AND NATURAL GAS	(SHA008001)
A0040	128	5-10-068: 33W PETROLEUM AND NATURAL GAS	(SHA008001)
A0041	256	5-11-068: 4 PETROLEUM AND NATURAL GAS	(SHA008001)
A0042	128	5-11-068: 9E PETROLEUM AND NATURAL GAS	(SHA008001)
A0043	192	5-11-068: 16S,NE PETROLEUM AND NATURAL GAS	(SHA008001)

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION	
A0044	256	5-11-068: 17 PETROLEUM AND NATURAL GAS	(SHA008001)
A0045	256	5-11-068: 26 PETROLEUM AND NATURAL GAS	(SHA008001)
A0046	256	5-11-068: 27 PETROLEUM AND NATURAL GAS	(SHA008001)
A0047	128	5-11-068: 35S PETROLEUM AND NATURAL GAS	(SHA008001)
A0048	256	5-11-068: 36 PETROLEUM AND NATURAL GAS	(SHA008001)
A0049	128	5-11-069: 13NE; 24SE PETROLEUM AND NATURAL GAS	(SHA008001)
A0050	64	5-11-069: 24NW PETROLEUM AND NATURAL GAS	(SHA008001)
A0051	64	5-11-069: 25NW PETROLEUM AND NATURAL GAS	(SHA008001)
A0052	512	TRACT ONE 4-20-070: 19 PETROLEUM AND NATURAL GAS TRACT TWO 4-20-070: 29 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE GRAND RAPIDS FM EXCEPTING NATURAL GAS IN THE WABISKAW-WABAMUN	(ZD 3367) (ZD 3367)
A0053	256	6-10-071: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE HALFWAY FM	(DRRZD 246)
A0054	1024	6-04-076: 18; 19 6-05-076: 24; 25 PETROLEUM AND NATURAL GAS	(SHA007001)
A0055	256	6-07-079: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0056	192	6-07-079: 18S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0057	128	6-08-079: 1N PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOE CREEK MBR	(DRRZD 25)
A0058	128	6-08-079: 3N PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOE CREEK MBR	(DRRZD 25)

2019 FEBRUARY 06

LEASE	HECTARES	LAND DESCRIPTION	
A0059	256	6-08-079: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOE CREEK MBR	(DRRZD 25)
A0060	256	6-08-079: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0061	64	5-12-086: 17SE PETROLEUM AND NATURAL GAS	(ADM011501)
A0062	64	5-12-086: 21NW PETROLEUM AND NATURAL GAS	(ADM011501)
62	18,288.01	HA TOTALS	END

2019 FEBRUARY 06

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0063	256	5-05-038: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0064	768	5-21-051: 10; 15; 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA007901) (DRRZD 6)
B0065	1024		(SHA007901)
	TRACT ONE	5-21-051: 29 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 TWO	5-21-051: 19; 20; 30 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
B0066	512	5-09-052: 2; 3 PETROLEUM AND NATURAL GAS	
B0067	1024	5-09-053: 5-7; 18 PETROLEUM AND NATURAL GAS	
B0068	2048		(SHA006701) (WRA000201)
	TRACT ONE	5-11-055: 30; 31 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(ZD 2728)
	TRACT TWO	5-11-055: 36S,NW PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE ELLERSLIE-ROCK CK	(ZD 2878-1)
	TRACT THREE	5-11-055: 18; 19; 32; 34; 35; 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0069	768		(SHA006701) (TSH003401) (TSH003501)
	TRACT ONE	5-26-068: 3; 10 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-068: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)

2019 FEBRUARY 06

LICENCE	HECTARES	LAND DESCRIPTION	
B0070	1024		
	TRACT ONE	6-09-071: 34 PETROLEUM AND NATURAL GAS TO THE TOP OF THE MONTNEY FM	(DRRZD 264)
	TRACT TWO	6-09-071: 22; 27; 28N,SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE HALFWAY FM	(DRRZD 246)
	TRACT THREE	6-09-071: 28SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
B0071	256		(TSH003401) (TSH003501)
		6-10-072: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE TOP OF THE MONTNEY FM	(DRRZD 38) (DRRZD 264)
B0072	512		
	TRACT ONE	6-13-074: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
	TRACT TWO	6-13-074: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0073	960		
	TRACT ONE	6-07-078: 2N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR EXCEPTING PETROLEUM AND NATURAL GAS IN THE CHARLIE LAKE FM	(DRRZD 165) (DRRZD 247)
	TRACT TWO	6-07-077: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
	TRACT THREE	6-07-077: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE DOIG FM	(DRRZD 247) (DRRZD 251)
	TRACT FOUR	6-07-078: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)

2019 FEBRUARY 06

LICENCE	HECTARES	LAND DESCRIPTION	
B0074	1280		
	TRACT ONE	6-07-078: 10; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
	TRACT TWO	6-07-078: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE BELLOY FM	(DRRZD 247) (DRRZD 32)
	TRACT THREE	6-07-078: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
	TRACT FOUR	6-07-078: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM TO THE BASE OF THE MONTNEY FM	(DRRZD 247) (DRRZD 264)

B0075	256	6-11-082: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)

--- Foothills Region ---			
B0076	512	6-05-058: 26; 35 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(SHA008201) (DRRZD 38)

B0077	512	6-04-059: 32 6-04-060: 5 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(SHA008201) (DRRZD 51)

B0078	256	6-05-059: 10 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(SHA008201) (DRRZD 38)

16	11,968.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

ZD: 122-A ZONE: 2500 UPPER MANNVILLE FM

INTERVAL: 2190.00 - 2440.00 FEET
 KEY WELL: 00/07-10-046-09W4/0
 LOG TYPE: ELECTRICAL

ZD: 122-B ZONE: 7080 CAMROSE TONGUE =DOL=

INTERVAL: 2578.00 - 2596.00 FEET
 KEY WELL: 00/07-10-046-09W4/0
 LOG TYPE: ELECTRICAL

ZD: 122 ZONE: 3220 DINA MBR

INTERVAL: 2438.00 - 2483.00 FEET
 KEY WELL: 00/07-10-046-09W4/0
 LOG TYPE: NOT IDENTIFIED

 ZONE: 6960 NISKU FM

INTERVAL: 2502.00 - 2550.00 FEET
 KEY WELL: 00/07-10-046-09W4/0
 LOG TYPE: NOT IDENTIFIED

ZD: 2099 ZONE: 6420 PEKISKO FM

INTERVAL: 5760.00 - 5856.00 FEET
 KEY WELL: 00/10-26-035-26W4/0
 LOG TYPE: INDUCTION ELECTRIC

ZD: 2301 ZONE: 2140 VIKING FM

INTERVAL: 2140.00 - 2265.00 FEET
 KEY WELL: 00/11-02-048-12W4/0
 LOG TYPE: INDUCTION ELECTRIC

ZD: 2728 ZONE: 3100 LOWER MANNVILLE FM

INTERVAL: 5786.00 - 5850.00 FEET
 KEY WELL: 00/06-14-056-11W5/0
 LOG TYPE: DUAL INDUCTION-LATEROLOG

ZD: 2878-1 ZONE: 3362 ELLERSLIE-ROCK CK

INTERVAL: 5910.00 - 5972.00 FEET
 KEY WELL: 00/07-25-055-11W5/0
 LOG TYPE: DUAL INDUCTION-LATEROLOG

ZD: 3367 ZONE: 2620 GRAND RAPIDS FM

INTERVAL: 1080.00 - 1321.00 FEET
 KEY WELL: 00/06-16-071-20W4/0
 LOG TYPE: INDUCTION ELECTRICAL

 ZONE: 3061 WABISKAW-WABAMUN

INTERVAL: 1585.00 - 1684.00 FEET
 KEY WELL: 00/06-16-071-20W4/0
 LOG TYPE: GAMMA RAY NEUTRON

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 FEBRUARY 06 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: 8 ZONE: 2130 BOW ISLAND SD

INTERVAL: 2140.00 - 2472.00 FEET
KEY WELL: 00/11-31-011-10W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 11 ZONE: 1580 MILK RIVER FM

INTERVAL: 677.00 - 972.00 FEET
KEY WELL: 00/15-02-014-05W4/0
LOG TYPE: ELECTRICAL

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: 22 ZONE: 2640 SPIRIT RIVER FM

INTERVAL: 2004.00 - 3138.00 FEET
KEY WELL: 00/11-03-078-01W6/0
LOG TYPE: INDUCTION ELECTRIC

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: 25 ZONE: 1900 DOE CREEK MBR

INTERVAL: 2330.00 - 2393.00 FEET
KEY WELL: 00/07-04-075-10W6/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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

DRRZD: 32 ZONE: 5560 BELLOY FM

INTERVAL: 2883.00 - 3105.00 FEET
KEY WELL: 00/10-24-078-19W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 FEBRUARY 06 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: 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: 57 ZONE: 6440 BANFF FM

INTERVAL: 4247.00 - 4776.00 FEET
KEY WELL: 00/02-24-056-05W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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

DRRZD: 165 ZONE: 4320 ROCK CREEK MBR

INTERVAL: 1370.30 - 1377.80 METRES
KEY WELL: 00/07-02-078-07W6/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

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

DRRZD: 247 ZONE: 5080 CHARLIE LAKE FM

INTERVAL: 2372.00 - 2448.50 METRES
KEY WELL: 00/10-19-068-06W6/0
LOG TYPE: DUAL INDUCTION SFL

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

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

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

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

DRRZD: 282

ZONE: 1602 UPPER COLORADO SHALE

INTERVAL: 373.00 - 493.00 METRES

KEY WELL: 00/01-05-045-07W4/0

LOG TYPE: PHOTO DENSITY DUAL SPACED NEUTRON

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0061
LEASE A0062

ALL LAND(S) IS/ARE WITHIN AN OIL SANDS AREA AS DESIGNATED BY THE ENERGY RESOURCES CONSERVATION BOARD (ERCB). SOLUTION GAS IS EXPRESSLY EXCLUDED FROM THE PETROLEUM AND NATURAL GAS RIGHTS GRANTED UNDER CROWN AGREEMENTS ISSUED IN RESPECT OF OIL SANDS AREAS. MOREOVER, PRODUCTION OF GAS FROM THE LAND(S) IN THIS AGREEMENT MAY BE DISALLOWED OR PRECLUDED BY ORDER OF THE ERCB OR OTHERWISE, ON THE GROUNDS THAT SUCH PRODUCTION MAY DETRIMENTALLY AFFECT THE RECOVERABILITY OF OIL SANDS FROM THOSE LANDS. BY ACCEPTING THIS AGREEMENT FOR THE PETROLEUM AND NATURAL GAS RIGHTS IN THESE LANDS, THE LESSEE/LICENSEE HEREBY ACKNOWLEDGES ALL OF THE ABOVE, AND THAT PRODUCTION OF GAS FROM THE LANDS IN THIS AGREEMENT MAY BY ORDER OF THE ERCB OR OTHERWISE BE PRECLUDED OR DISALLOWED, AND HEREBY WAIVES ANY RECOURSE, ACTION, CAUSE OF ACTION OR CLAIM THAT THE LESSEE/LICENSEE MAY HAVE AGAINST THE CROWN IN RIGHT OF ALBERTA AS A RESULT OF OR IN RELATION TO ITS INABILITY FOR ANY OF THE ABOVE REASONS OR FOR ANY OTHER REASON WHATSOEVER TO PRODUCE GAS FROM THE LANDS IN THIS AGREEMENT. FOR THE DEFINITION OF SOLUTION GAS AND OTHER RELEVANT INFORMATION, PLEASE REFER TO INFORMATION LETTER 99-38. FOR CURRENT POLICY ON NATURAL GAS PRODUCTION IN THE OIL SANDS ZONES IDENTIFIED WITHIN OIL SANDS AREAS, PLEASE REFER TO ERCB INTERIM DIRECTIVE 99-01.

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DONNA CRAWFORD
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 427-8933

ESZ000301 EASTERN SLOPES POLICY ZONE 4

LAND DESCRIPTION
LEASE A0035 6-05-061: 30SP,N
LEASE A0036 6-05-061: 32E,WP

ALL LAND(S) IS/ARE WITHIN ZONE 4 (GENERAL RECREATION) 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

IRZ003601 ROCKY-NORTH SASKATCHEWAN ZONE 3

LAND DESCRIPTION
LEASE A0031 5-06-037: 11NWP

ALL LAND(S) IS/ARE WITHIN ZONE 3 (SPECIAL USE) 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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

NAT002201

CHEDDERVILLE

LAND DESCRIPTION
LEASE A0031 5-06-037: 11NWP

ALL LAND(S) IS/ARE WITHIN A NATURAL AREA, ESTABLISHED UNDER THE PUBLIC LANDS ACT.

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

SHA006701

KEY WILDLIFE AND BIODIVERSITY ZONES

LAND DESCRIPTION
LEASE A0029 4-18-061: 21SWP
LEASE A0031 5-06-037: 11SP,NW,NEP
LEASE A0032 5-11-047: 26NP
LEASE A0035
LEASE A0036
LICENCE B0068 5-11-055: 32NP,SEP
LICENCE B0069 5-26-068: 3NP,SEP; 10E,WP

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

SHA007001

SPECIAL ACCESS ZONE

LAND DESCRIPTION
LEASE A0054 6-04-076: 18SP

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

SHA007901

YELLOWHEAD GRIZZLY BEAR ZONE

LICENCE B0064
LICENCE B0065

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

SHA008001 SWAN HILLS GRIZZLY BEAR ZONE

LEASE A0037
LEASE A0038
LEASE A0039
LEASE A0040
LEASE A0041
LEASE A0042
LEASE A0043
LEASE A0044
LEASE A0045
LEASE A0046
LEASE A0047
LEASE A0048
LEASE A0049
LEASE A0050
LEASE A0051

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

SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE

LAND DESCRIPTION
LEASE A0033 5-23-054: 26P
LEASE A0035
LEASE A0036
LICENCE B0076
LICENCE B0077
LICENCE B0078

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

TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER

LAND DESCRIPTION
LICENCE B0069 5-26-068: 9P; 10P
LICENCE B0071 6-10-072: 26P

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 FEBRUARY 06 PUBLIC OFFERING NOTICE

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

LAND DESCRIPTION
LICENCE B0069 5-26-068: 9P; 10P
LICENCE B0071 6-10-072: 26P

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

WRA000201 PADDLE RIVER

LAND DESCRIPTION
LICENCE B0068 5-11-055: 34NEP; 36NEP

ALL LAND(S) IS/ARE WITHIN A WATERSHED RESEARCH AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
WHITECOURT OFFICE
WHITECOURT REGIONAL HEADQUARTERS - LAND AND FOREST SERVICE DEPT. OF
SUSTAINABLE RESOURCE DEV
5020 52 AVE SUITE 224
WHITECOURT AB T7S 1N2 (780) 778-7153

END