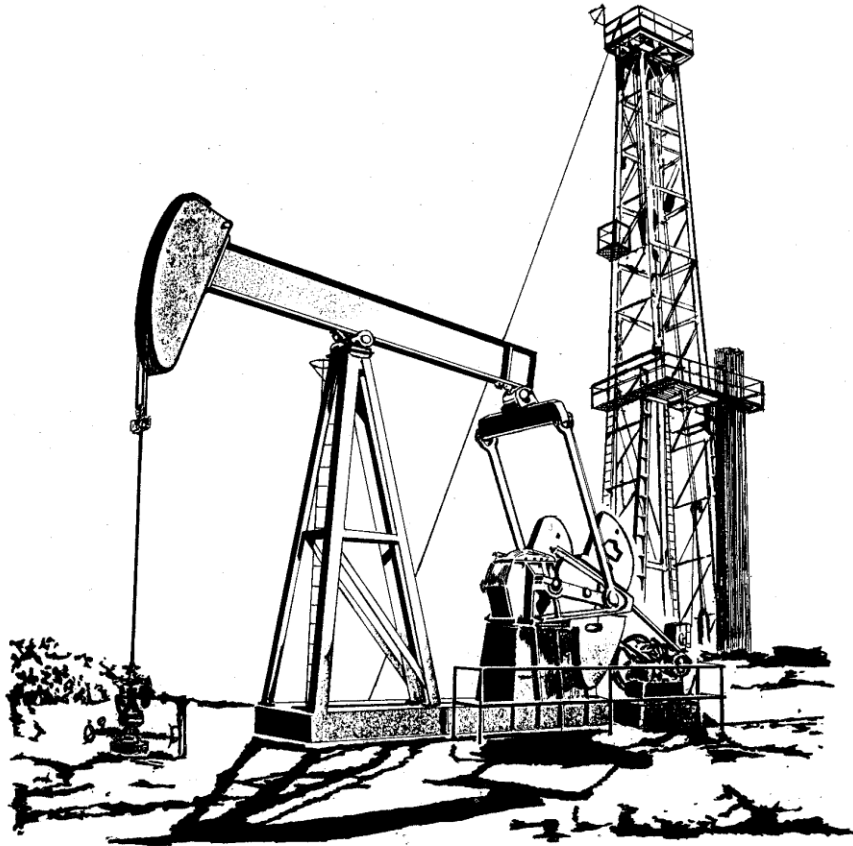


2019 JULY 17

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta 
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2019.07.17

From	To	Total	Area
LEASES: A0058	A0111	54	14,304.0000 ha.
LICENCES: B0112	B0132	21	14,336.0000 ha.

		75	28,640.0000 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 July 17**.

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 July 17** 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 JULY 17

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0058	256	4-04-011: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0059	64	4-26-015: 2SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0060	256	4-07-027: 29 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0061	256	5-01-029: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0062	256	5-02-029: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0063	64	4-17-031: 16SW PETROLEUM AND NATURAL GAS	
A0064	128	4-03-038: 30N PETROLEUM AND NATURAL GAS	
A0065	128	4-05-039: 17E PETROLEUM AND NATURAL GAS	
A0066	64	4-05-039: 17SW PETROLEUM AND NATURAL GAS	
A0067	256	4-06-039: 31 PETROLEUM AND NATURAL GAS	
A0068	64	4-03-041: 10NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0069	128	4-27-048: 4N PETROLEUM AND NATURAL GAS TO THE BASE OF THE NISKU FM	(DRRZD 23)
A0070	256	4-27-049: 20 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(HRV003602) (DRRZD 4)
A0071	16	4-02-050: 10L11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0072	16	4-02-050: 10L12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

2019 JULY 17

LEASE	HECTARES	LAND DESCRIPTION	
A0073	256	4-01-051: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0074	256	4-01-051: 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0075	256	4-01-051: 29 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0076	256	4-01-051: 30 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0077	2048	TRACT ONE 4-27-051: 4S,NE; 8SE; 16; 17 PETROLEUM AND NATURAL GAS	
		TRACT TWO 4-27-051: 4NW; 5-7; 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		TRACT THREE 4-27-051: 8N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
A0078	64	4-01-052: 12NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0079	64	4-01-052: 12NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0080	64	4-05-052: 34SW PETROLEUM AND NATURAL GAS	
A0081	64	5-01-061: 36SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0082	256	4-21-062: 29 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0083	256	4-21-064: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
--- NORTHERN REGION ---			
A0084	768	5-07-037: 16W; 20; 21; 29S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE LEDUC FM	(DRRZD 3) (DRRZD 69)

PETROLEUM AND NATURAL GAS LEASES

2019 JULY 17

LEASE	HECTARES	LAND DESCRIPTION	
A0085	128	5-07-037: 16W PETROLEUM AND NATURAL GAS IN THE LEDUC FM	(DRRZD 69)
A0086	256	5-07-037: 20 PETROLEUM AND NATURAL GAS IN THE LEDUC FM	(DRRZD 69)
A0087	192	5-07-037: 21S,NW PETROLEUM AND NATURAL GAS IN THE LEDUC FM	(DRRZD 69)
A0088	128	5-07-037: 29S PETROLEUM AND NATURAL GAS IN THE LEDUC FM	(DRRZD 69)
A0089	256	5-14-048: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(ESZ000101) (IRZ004401) (SHA006701) (SHA007901) (DRRZD 39)
A0090	256	5-14-048: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(ESZ000101) (IRZ004401) (SHA006701) (SHA007901) (DRRZD 39) (DRRZD 6)
A0091	256	5-13-054: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0092	256	5-12-055: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(TSH003401) (TSH003501) (DRRZD 60)
A0093	256	5-15-055: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(SHA007001) (DRRZD 3)
A0094	256	5-13-065: 21NE; 22SE,NW; 28NE PETROLEUM AND NATURAL GAS	(SHA006701) (SHA008001)
A0095	256	TRACT ONE 5-13-065: 27N,SW PETROLEUM AND NATURAL GAS TRACT TWO 5-13-065: 27SE PETROLEUM AND NATURAL GAS TO THE TOP OF THE BEAVERHILL LAKE GRP	(SHA006701) (SHA008001) (DRRZD 5)
A0096	192	6-06-068: 24S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(TSH003401) (TSH003501) (DRRZD 247)

2019 JULY 17

LEASE	HECTARES	LAND DESCRIPTION	
A0097	192	6-06-069: 5N, SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0098	256	6-06-070: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM	(PRP003101) (SHA006701) (SIP000102) (DRRZD 38)
A0099	192	6-10-070: 17N, SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(SHA006701) (DRRZD 246)
A0100	192	6-10-070: 29N, SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(SHA006701) (DRRZD 22)
A0101	256	6-10-070: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0102	256	5-02-073: 32 PETROLEUM AND NATURAL GAS	
A0103	256	5-02-074: 4 PETROLEUM AND NATURAL GAS	
A0104	256	5-02-074: 18 PETROLEUM AND NATURAL GAS	
A0105	256	5-03-074: 24 PETROLEUM AND NATURAL GAS	
A0106	256	6-09-076: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM TO THE BASE OF THE MONTNEY FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE GRANITE WASH	(DRRZD 247) (DRRZD 264) (DRRZD 222)
A0107	256	6-10-077: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0108	256	TRACT ONE 6-10-077: 34SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOIG FM TRACT TWO 6-10-077: 34N, SE PETROLEUM AND NATURAL GAS TO THE TOP OF THE DOIG FM	(DRRZD 251) (DRRZD 251)
A0109	64	6-10-079: 7SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)

PETROLEUM AND NATURAL GAS LEASES

2019 JULY 17

LEASE	HECTARES	LAND DESCRIPTION	
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A0110	64	6-10-079: 7SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE TOP OF THE DOIG FM	(DRRZD 21) (DRRZD 251)

A0111	1792		(ADM011501) (SHA007001)
	TRACT ONE	5-13-084: 16; 17; 20N; 21 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-13-084: 18; 19; 20S 5-14-084: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SHUNDA FM	(DRRZD 217)

54	14,304.00	HA TOTALS	END

2019 JULY 17

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0112	1536		
	TRACT ONE	4-25-030: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-25-030: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT THREE	4-25-030: 9; 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
	TRACT FOUR	4-25-030: 5; 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
--- NORTHERN REGION ---			
B0113	256	5-05-038: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0114	512	5-08-047: 35 5-08-048: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
B0115	512	5-08-047: 35 5-08-048: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0116	768	5-20-050: 4; 9; 16 PETROLEUM AND NATURAL GAS TO THE TOP OF THE SPIRIT RIVER FM	(SHA007901) (DRRZD 22)
B0117	1280		
	TRACT ONE	5-14-053: 35 PETROLEUM AND NATURAL GAS TO THE TOP OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)
	TRACT TWO	5-14-053: 34 5-14-054: 2SW; 4; 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT THREE	5-14-054: 2N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
B0118	256	5-23-053: 20 PETROLEUM AND NATURAL GAS TO THE TOP OF THE SPIRIT RIVER FM	(DRRZD 22)

2019 JULY 17

LICENCE	HECTARES	LAND DESCRIPTION	
B0119	1024		
	TRACT ONE	5-11-054: 9SE; 11; 15; 23 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-11-054: 9N, SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0120	768		(SHA006701) (SHA008201)
		5-23-058: 3; 9; 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0121	512		(SHA006701) (SHA008201) (TSH003501)
		5-23-058: 23; 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0122	256		(SHA006701) (SHA008201)
		6-02-063: 18 PETROLEUM AND NATURAL GAS	
B0123	1536		(ESZ000101) (SHA006701)
		5-25-065: 9-11; 18 5-26-064: 36 5-26-065: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0124	256		
		6-01-064: 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0125	1024		
	TRACT ONE	6-09-073: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
	TRACT TWO	6-09-073: 16; 17; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(DRRZD 32)
B0126	256		(TSH003401) (TSH003501)
		6-11-075: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE CHARLIE LAKE FM	(DRRZD 21) (DRRZD 247)
B0127	2304		(SHA007001)
		5-07-076: 8-11; 14-17; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0128	256		
		6-08-076: 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0129	256		
		6-09-078: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOIG FM	(DRRZD 251)

2019 JULY 17

LICENCE	HECTARES	LAND DESCRIPTION	
B0130	256	6-12-081: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOIG FM	(DRRZD 251)
--- FOOTHILLS REGION ---			
B0131	256	5-25-054: 30 PETROLEUM AND NATURAL GAS	(ESZ000101) (SHA008201)
B0132	256	5-26-054: 36 PETROLEUM AND NATURAL GAS	(ESZ000101) (NAT015801) (SHA008201)
21	14,336.00	HA TOTALS	END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 JULY 17 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: 5 ZONE: 7440 BEAVERHILL LAKE GRP

INTERVAL: 8645.00 - 9118.00 FEET
KEY WELL: 00/10-22-068-11W5/0
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: 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: 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: 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 JULY 17 PUBLIC OFFERING NOTICE

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

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: 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: 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: 69 ZONE: 7200 LEDUC FM

INTERVAL: 14772.00 - 15615.00 FEET
KEY WELL: 00/10-33-036-10W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 217 ZONE: 6400 SHUNDA FM

INTERVAL: 1626.70 - 1745.80 METRES
KEY WELL: 02/06-22-080-03W6/0
LOG TYPE: DUAL INDUCTION FOCUSED LOG GAMMA RAY

DRRZD: 222 ZONE: 7975 GRANITE WASH

INTERVAL: 3468.00 - 3587.50 METRES
KEY WELL: 00/03-03-074-07W6/0
LOG TYPE: DUAL INDUCTION

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 JULY 17 PUBLIC OFFERING NOTICE

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: 277 ZONE: 6580 WABAMUN GRP

INTERVAL: 10452.00 - 11198.00 FEET
KEY WELL: 00/03-10-063-26W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 17 PUBLIC OFFERING NOTICE

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2
LEASE A0111

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

ESZ000101 EASTERN SLOPES POLICY ZONE 2

LAND DESCRIPTION
LEASE A0089 5-14-048: 2P
LEASE A0090 5-14-048: 2P
LICENCE B0123 5-25-065: 9P; 18P
LICENCE B0131 5-25-054: 30P
LICENCE B0132

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

HRV003602 HISTORIC RESOURCES VALUE 2

LAND DESCRIPTION
LEASE A0070 4-27-049: 20SE

ALL LAND(S) IS/ARE WITHIN A HERITAGE RESOURCES MANAGEMENT AREA.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

GEORGE CHALUT
LAND USE PLANNER
CULTURE, DEPARTMENT OF
HISTORIC RESOURCE MANAGEMENT BRANCH
LAND USE PLANNING SECTION
OLD ST STEPHEN'S COLLEGE
8820 112 ST NW
EDMONTON AB T6G 2P8 (780) 431-2329

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 17 PUBLIC OFFERING NOTICE

IRZ004401 BRAZEAU-PEMBINA ZONE 2

LAND DESCRIPTION
LEASE A0089 5-14-048: 2P
LEASE A0090 5-14-048: 2P

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

NAT015801 WILDHAY GLACIAL CASCADES

LAND DESCRIPTION
LICENCE B0132 5-26-054: 36EP,W

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

PRP003101 O'BRIEN

LAND DESCRIPTION
LEASE A0098 6-06-070: 23SWP

ALL LAND(S) IS/ARE WITHIN A 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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 17 PUBLIC OFFERING NOTICE

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

		LAND DESCRIPTION
LEASE	A0089	5-14-048: 2P
LEASE	A0090	5-14-048: 2P
LEASE	A0094	5-13-065: 21NEP; 22SEP,NWP; 28NEP
LEASE	A0095	5-13-065: 27SP,NWP
LEASE	A0098	
LEASE	A0099	6-10-070: 17NP
LEASE	A0100	6-10-070: 29SWP
LICENCE	B0120	5-23-058: 16NP
LICENCE	B0121	5-23-058: 25NP,SEP
LICENCE	B0122	6-02-063: 18WP
LICENCE	B0123	5-25-065: 9; 10WP; 18E,WP
		5-26-064: 36SP,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

SHA007001 SPECIAL ACCESS ZONE

		LAND DESCRIPTION
LEASE	A0093	5-15-055: 27NP,SEP,SW
LEASE	A0111	5-13-084: 16NP,SEP; 20NP,SEP; 21N,SE,SWP
LICENCE	B0127	5-07-076: 8SP,NWP; 9SWP

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

LEASE	A0089
LEASE	A0090
LICENCE	B0116

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

SHA008001 SWAN HILLS GRIZZLY BEAR ZONE

LEASE	A0094
LEASE	A0095

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 JULY 17 PUBLIC OFFERING NOTICE

SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE

LAND DESCRIPTION

LICENCE B0120
LICENCE B0121
LICENCE B0122 6-02-063: 18P
LICENCE B0131
LICENCE B0132

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

SIP000102 WAPITI SAND DUNES

LAND DESCRIPTION

LEASE A0098 6-06-070: 23NWP

ALL LAND(S) IS/ARE WITHIN WAPITI-SAND DUNES LAND-USE ZONES.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JEFF HARTLEY
PUBLIC LANDS OFFICER
GRANDE PRAIRIE OFFICE - RANGELAND DISTRICT-LANDS DIVISION DEPT. OF
SUSTAINABLE RESOURCE DEV
10320 99 ST ROOM 2201
PO BOX 14
GRANDE PRAIRIE AB T8V 6J4 (780) 538-8080

TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER

LAND DESCRIPTION

LEASE A0092 5-12-055: 7P
LEASE A0096 6-06-068: 24SWP,NEP
LICENCE B0126 6-11-075: 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 JULY 17 PUBLIC OFFERING NOTICE

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

	LAND DESCRIPTION
LEASE A0092	5-12-055: 7P
LEASE A0096	6-06-068: 24SP,NEP
LICENCE B0121	5-23-058: 25P
LICENCE B0126	6-11-075: 26P

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

END