

2019 JUNE 19

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2019.06.19

From	To	Total	Area
LEASES: A0061	A0108	48	9,848.0000 ha.
LICENCES: B0109	B0137	29	15,267.4000 ha.

		77	25,115.4000 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 19**.

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 19** 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 ---		
A0061	128	4-13-012: 11E PETROLEUM AND NATURAL GAS
A0062	256	4-11-027: 22 PETROLEUM AND NATURAL GAS
A0063	256	4-14-027: 13 PETROLEUM AND NATURAL GAS
A0064	256	4-11-034: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS (DRRZD 13)
A0065	128	4-22-035: 28E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP (DRRZD 280) TO THE BASE OF THE NISKU FM (DRRZD 23)
A0066	256	4-22-035: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM (DRRZD 23)
A0067	256	4-22-035: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM (DRRZD 23)
A0068	192	TRACT ONE 4-22-035: 29NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4) TO THE BASE OF THE NISKU FM (DRRZD 23)
		TRACT TWO 4-22-035: 29S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4) TO THE TOP OF THE NISKU FM (DRRZD 23)
A0069	64	4-22-035: 32SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM (DRRZD 23)
A0070	64	TRACT ONE 4-01-041: 29L9S, L9NW, L10N, L11N, L12N, L12SW PETROLEUM AND NATURAL GAS
		TRACT TWO 4-01-041: 29L9NE, L10S, L11S, L12SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0071	56		(SHA007201)
TRACT ONE		4-01-041: 33L2SW, L3S, L3NW, L6N, L6SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT TWO		4-01-041: 33L2N, L2SE, L3NE, L6SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT THREE		4-01-041: 33L5S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0072	256	4-21-043: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0073	256	4-27-048: 29 PETROLEUM AND NATURAL GAS	
A0074	256	4-25-049: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0075	256	4-19-059: 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(SHA006701) (DRRZD 4)
A0076	64	4-19-062: 22NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA006701) (DRRZD 6)
A0077	256	4-21-062: 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0078	256	4-21-063: 33 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0079	256	4-22-063: 9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0080	256	4-21-064: 30 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0081	256	4-21-064: 33 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0082	64	4-25-066: 26SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
A0083	256	5-14-043: 6 PETROLEUM AND NATURAL GAS TO THE TOP OF THE SPIRIT RIVER FM	(SHA007901) (DRRZD 22)
A0084	256	5-06-046: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0085	256	5-06-046: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0086	128	5-12-048: 33W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE NISKU FM	(DRRZD 4) (DRRZD 79)
A0087	256	5-07-049: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)
A0088	256	5-08-049: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0089	256	5-07-050: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)
A0090	256	5-10-050: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0091	448	TRACT ONE 5-10-050: 15S,NE PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 3)
		TRACT TWO 5-10-050: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0092	128	5-10-050: 16S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0093	256	5-08-053: 24 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0094	64	5-12-053: 7NE PETROLEUM AND NATURAL GAS	(SHA007001)
A0095	256	5-18-058: 1 PETROLEUM AND NATURAL GAS	(SHA008201)

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LEASE	HECTARES	LAND DESCRIPTION	
A0096	256		(SHA008201)
		TRACT ONE	
		5-18-058: 10W	
		PETROLEUM AND NATURAL GAS	
		TRACT TWO	
		5-18-058: 10E	
		PETROLEUM AND NATURAL GAS	
		EXCEPTING NATURAL GAS IN THE	
		BEAVERHILL LAKE GRP	(ZD 369)
A0097	256		(ESZ000301)
			(SHA006701)
			(SHA008201)
		5-20-058: 12	
		PETROLEUM AND NATURAL GAS	
A0098	256		(SHA006701)
			(SHA008201)
		5-20-058: 20	
		PETROLEUM AND NATURAL GAS	
A0099	64		
		5-01-069: 12NW	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0100	128		
		4-24-070: 31SE,NW	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0101	64		(SHA006701)
		4-24-070: 33SW	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0102	64		
		4-26-071: 9NE	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0103	256		
		5-04-074: 27	
		PETROLEUM AND NATURAL GAS	
A0104	64		
		6-10-075: 35NW	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE DOE CREEK MBR	(DRRZD 25)
		EXCEPTING NATURAL GAS IN THE DOE CREEK MBR	(ZD 2950)
A0105	256		
		6-08-076: 21	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		MONTNEY FM	(DRRZD 264)
		TO THE BASE OF THE STODDART GRP	(DRRZD 271)
A0106	256		(ADM001901)
		5-17-079: 21	
		PETROLEUM AND NATURAL GAS	
A0107	256		(ADM001901)
			(TSH003401)
			(TSH003501)
		5-17-079: 27	
		PETROLEUM AND NATURAL GAS	

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LEASE -----	HECTARES -----	LAND DESCRIPTION -----
--- Foothills Region ---		
A0108	256	5-04-021: 34 PETROLEUM AND NATURAL GAS

48	9,848.00	HA TOTALS
		END

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LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0109	256	5-07-039: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
B0110	256	5-07-049: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0111	256	5-07-049: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(PRP009301) (SHA006701) (DRRZD 79)
B0112	256	TRACT ONE 5-08-049: 26S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TRACT TWO 5-08-049: 26NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0113	256	5-07-050: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(SHA006701) (DRRZD 79)
B0114	256	5-07-050: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0115	256	TRACT ONE 5-08-050: 2S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR TRACT TWO 5-08-050: 2N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 66) (DRRZD 79)
B0116	768	TRACT ONE 5-09-050: 6 5-10-050: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TRACT TWO 5-10-050: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0117	256	5-09-050: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0118	512	5-09-050: 30; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(TSH003401) (TSH003501) (DRRZD 60)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0119	768		
	TRACT ONE	5-10-050: 14N,SW; 24NW PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-10-050: 24S,NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 39) (DRRZD 3)
	TRACT THREE	5-10-050: 10; 14SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0120	768		(SHA007901)
		5-21-051: 1; 12; 13 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0121	768		(SHA007901)
		5-21-051: 2; 11; 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0122	1024		
	TRACT ONE	5-14-054: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 6) (DRRZD 60)
	TRACT TWO	5-14-053: 33 5-14-054: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT THREE	5-14-054: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
B0123	512		
		5-13-054: 3; 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0124	256		(SHA006701) (SHA008201)
		6-04-061: 17 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0125	419.4		
		5-27-065: 14; 15E,WF PETROLEUM AND NATURAL GAS	
B0126	1536		(SHA006701)
		6-01-065: 21; 22; 27-29; 34 PETROLEUM AND NATURAL GAS	

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LICENCE	HECTARES	LAND DESCRIPTION	
B0127	1024		(SHA006701)
	TRACT ONE	6-01-066: 5; 18 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLOY FM	(DRRZD 32)
	TRACT TWO	6-01-066: 6; 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0128	768		(TSH003401) (TSH003501)
		5-26-067: 31; 32 5-26-068: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(DRRZD 207)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0129	768		(TSH003401) (TSH003501)
	TRACT ONE	6-11-071: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE NIKANASSIN FM	(DRRZD 21) (DRRZD 34)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
	TRACT TWO	6-10-071: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
	TRACT THREE	6-11-071: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE NIKANASSIN FM	(DRRZD 21) (DRRZD 34)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
		TO THE BASE OF THE BELLOY FM	(DRRZD 32)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE STODDART GRP	(DRRZD 271)
B0130	768		(TSH003401) (TSH003501)
	TRACT ONE	6-12-071: 34 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-12-072: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(DRRZD 40)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
	TRACT THREE	6-11-072: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0131	512		
		5-03-074: 28; 32 PETROLEUM AND NATURAL GAS	
--- Foothills Region ---			
B0132	256		(SHA007901)
		5-15-043: 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0133	768	5-15-043: 22; 27; 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(IRZ003501) (IRZ004401) (SHA006701) (SHA007901) (DRRZD 6)
B0134	256	5-15-043: 35 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA007901) (DRRZD 6)
B0135	256	5-16-043: 25 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(SHA007901) (DRRZD 3)
B0136	256	5-16-043: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA007901) (DRRZD 3) (DRRZD 21)
B0137	256	5-16-043: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA007901) (DRRZD 3) (DRRZD 21)
29	15,267.40	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2019 JUNE 19 PUBLIC OFFERING NOTICE

ZD: 369 ZONE: 7440 BEAVERHILL LAKE GRP

INTERVAL: 11384.00 - 11610.00 FEET
KEY WELL: 00/11-10-058-18W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

ZD: 2950 ZONE: 1900 DOE CREEK MBR

INTERVAL: 2330.00 - 2352.00 FEET
KEY WELL: 00/07-04-075-10W6/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

 ZONE: 5160 HALFWAY FM

INTERVAL: 6936.00 - 6992.00 FEET
KEY WELL: 00/07-04-075-10W6/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 JUNE 19 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: 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: 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: 32 ZONE: 5560 BELLOY FM

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

DRRZD: 34 ZONE: 4080 NIKANASSIN FM

INTERVAL: 2555.00 - 2680.00 METRES
KEY WELL: 00/10-01-068-09W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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

DRRZD: 40 ZONE: 2280 PEACE RIVER FM

INTERVAL: 3760.00 - 4008.00 FEET
KEY WELL: 00/07-09-076-08W6/0
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: 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: 207 ZONE: 4440 NORDEGG MBR

INTERVAL: 2038.00 - 2063.00 METRES
KEY WELL: 00/11-06-066-24W5/0
LOG TYPE: DUAL INDUCTION SFL

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: 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: 271 ZONE: 6040 STODDART GRP

INTERVAL: 7170.00 - 8095.00 FEET
KEY WELL: 00/07-17-078-10W6/0
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 JUNE 19 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0106
LEASE A0107

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 A0097 5-20-058: 12NP,SWP

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

IRZ003501 ROCKY-NORTH SASKATCHEWAN ZONE 2

LAND DESCRIPTION
LICENCE B0133 5-15-043: 27P

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JUNE 19 PUBLIC OFFERING NOTICE

IRZ004401 BRAZEAU-PEMBINA ZONE 2

LAND DESCRIPTION
LICENCE B0133 5-15-043: 27P; 28P

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

PRP009301 EAGLE POINT

LAND DESCRIPTION
LICENCE B0111 5-07-049: 36SE,NEP

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

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

LAND DESCRIPTION
LEASE A0075 4-19-059: 3SWP
LEASE A0076
LEASE A0097 5-20-058: 12NP,SWP
LEASE A0098
LEASE A0101
LICENCE B0111 5-07-049: 36E,WP
LICENCE B0113 5-07-050: 1E,WP
LICENCE B0124 6-04-061: 17NP,SE,SWP
LICENCE B0126 6-01-065: 29WP
LICENCE B0127 6-01-066: 6WP; 7WP; 18NP,SWP
LICENCE B0133 5-15-043: 22SP

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 A0094 5-12-053: 7NEP

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 JUNE 19 PUBLIC OFFERING NOTICE

SHA007201 PIPING PLOVER
 LAND DESCRIPTION
LEASE A0071 4-01-041: 33L6NP,L6SEP

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
 LAND DESCRIPTION

LEASE A0083
LICENCE B0120
LICENCE B0121
LICENCE B0132
LICENCE B0133
LICENCE B0134 5-15-043: 35P
LICENCE B0135
LICENCE B0136
LICENCE B0137

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

LEASE A0095
LEASE A0096
LEASE A0097
LEASE A0098
LICENCE B0124

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		
LEASE	A0107	5-17-079: 27P
LICENCE	B0118	5-09-050: 30P
LICENCE	B0128	5-26-067: 32P
LICENCE	B0129	6-11-071: 34P
LICENCE	B0130	6-11-072: 7P
		6-12-071: 34P

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

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

LAND DESCRIPTION		
LEASE	A0107	5-17-079: 27P
LICENCE	B0118	5-09-050: 30P
LICENCE	B0128	5-26-067: 32P
LICENCE	B0129	6-11-071: 34P
LICENCE	B0130	6-11-072: 7P
		6-12-071: 34P
		6-12-072: 1P

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