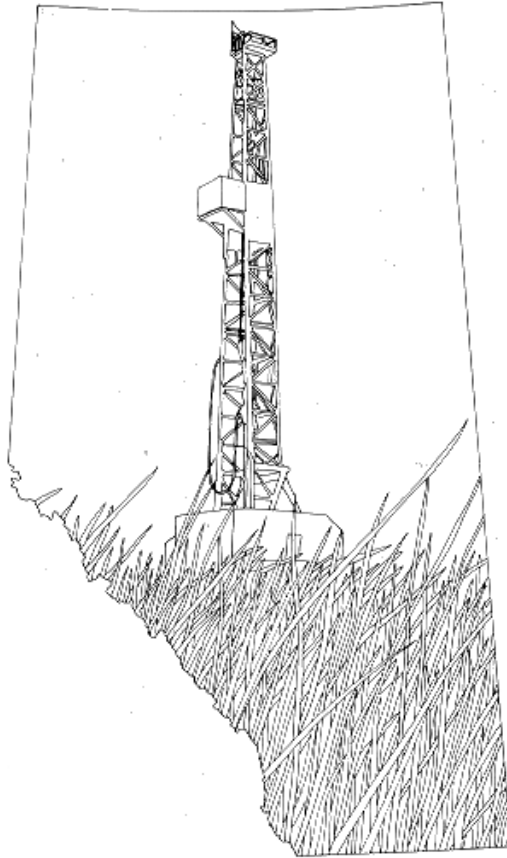


2017 JUNE 07

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2017.06.07

From	To	Total	Area
LEASES: A0001	A0085	85	23,792.9160 ha.
LICENCES: B0086	B0089	4	1,536.0000 ha.

		89	25,328.9160 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 2017 June 07**.

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 **2017 June 07** 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
A0011	15.76	4-26-026: 22NWP; 27SWP PORTION(S) SHOWN AS A POND ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP (DRRZD 39)
A0012	19.54	4-26-026: 29NWP; 31SEP; 32SP PORTION(S) SHOWN AS A POND ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP (DRRZD 39)
A0013	117.23	TRACT ONE 4-27-026: 36NWP PORTION(S) SHOWN AS A MARSH ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS TRACT TWO 4-26-027: 5WP; 6EP PORTION(S) SHOWN AS A MARSH ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. 4-27-026: 36NEP PORTION(S) SHOWN AS A MARSH ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP (DRRZD 39)
A0014	54	4-17-027: 3SWP PORTION(S) LYING TO THE NORTH 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 ON 1906/02/03. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)
A0015	34.68	4-17-027: 8NP, SEP PORTION(S) DESIGNATED AS RED DEER RIVER ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1909/03/26. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)
A0016	256	4-17-027: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4) (ESA001401)

PETROLEUM AND NATURAL GAS LEASES

2017 JUNE 07

LEASE	HECTARES	LAND DESCRIPTION	
A0017	512		
	TRACT ONE	4-29-028: 12NW PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-29-028: 24SW PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE ELKTON MBR EXCEPTING NATURAL GAS IN THE WABAMUN GRP	(ZD 235-1-A) (ZD 235-1)
	TRACT THREE	4-28-028: 20E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT FOUR	4-28-028: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0018	512		
	TRACT ONE	4-27-029: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE PEKISKO FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 39) (DRRZD 30) (DRRZD 277)
	TRACT TWO	4-27-029: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE TOP OF THE PEKISKO FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 39) (DRRZD 30) (DRRZD 277)
A0019	896		
	TRACT ONE	5-01-030: 11; 12 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABAMUN GRP	(ZD 57-1)
	TRACT TWO	5-01-030: 14E PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABAMUN GRP	(ZD 2161-1)
	TRACT THREE	5-01-030: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE WABAMUN GRP	(DRRZD 6) (ZD 57-1)
A0020	320		
	TRACT ONE	4-28-031: 26NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-27-032: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0021	256		
		4-23-032: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0022	256		
		4-23-032: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0023	256	4-23-032: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0024	256	4-23-032: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0025	256	4-23-032: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
A0026	1024	TRACT ONE 4-28-032: 26NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE PEKISKO FM	(DRRZD 280) (DRRZD 30)
		TRACT TWO 4-28-032: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE PEKISKO FM	(DRRZD 280) (DRRZD 6) (DRRZD 30)
		TRACT THREE 4-28-032: 24; 34; 36S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE PEKISKO FM	(DRRZD 6) (DRRZD 30)
A0027	512	TRACT ONE 4-10-034: 13S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
		TRACT TWO 4-10-034: 13NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)
		TRACT THREE 4-10-034: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 13) (DRRZD 6)
A0028	384	TRACT ONE 4-10-034: 24NW; 25NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
		TRACT TWO 4-10-034: 25SW; 26NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
		TRACT THREE 4-10-034: 24S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 13) (DRRZD 6)
A0029	256	4-13-034: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)

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LEASE	HECTARES	LAND DESCRIPTION	
A0030	256	4-13-034: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0031	128	4-07-035: 7S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0032	128	4-07-035: 7N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0033	256	4-11-035: 9 PETROLEUM AND NATURAL GAS	
A0034	256	4-11-035: 24 PETROLEUM AND NATURAL GAS	
A0035	256	TRACT ONE 5-04-035: 2S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE NISKU FM	(DRRZD 6) (DRRZD 23)
		TRACT TWO 5-04-035: 2NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE NISKU FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 6) (DRRZD 23) (DRRZD 4)
A0036	32	4-01-036: 2L12,L13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0037	32	4-01-036: 2L12,L13 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0038	240	4-01-036: 4N,SW,L1,L2,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0039	240	4-01-036: 4N,SW,L1,L2,L8 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0040	208	4-01-036: 10S,NW,L9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0041	208	4-01-036: 10S,NW,L9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0042	256	4-01-036: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0043	128	4-01-036: 12E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0044	80	4-01-036: 33NE,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0045	80	4-01-036: 33NE,L14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0046	256	4-01-036: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0047	256	4-01-036: 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0048	256	4-01-036: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0049	256	4-01-036: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0050	128	4-11-036: 22N PETROLEUM AND NATURAL GAS	
A0051	64	4-12-036: 26NE PETROLEUM AND NATURAL GAS	
A0052	256	4-27-039: 4 PETROLEUM AND NATURAL GAS	
A0053	256	4-21-041: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(WLT001001) (DRRZD 39)
A0054	256	4-24-042: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
A0055	256	4-25-042: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE VIKING FM	(DRRZD 280) (DRRZD 6)
A0056	16	4-18-053: 24L16 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE BELLY RIVER GRP	(DRRZD 39)

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LEASE	HECTARES	LAND DESCRIPTION	
A0057	256	5-03-060: 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0058	768	4-07-065: 8; 17; 18 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (SHA006701) (DRRZD 4)
A0059	768	4-08-065: 25; 35; 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (IRS000304) (SHA006701) (DRRZD 4)
--- NORTHERN REGION ---			
A0060	256	5-07-042: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(IR2000201) (SHA006701) (DRRZD 4)
A0061	64	5-07-042: 24NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(IR2000201) (SHA006701) (DRRZD 3) (DRRZD 4)
A0062	256	5-16-048: 30 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0063	64	5-12-052: 13NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0064	128	5-12-052: 14S PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0065	128	5-12-052: 14N PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0066	256		(ES4000102) (SHA008201)
TRACT ONE		5-22-055: 22E NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(ZD 334) (DRRZD 67)
TRACT TWO		5-22-055: 22W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 67)

2017 JUNE 07

LEASE	HECTARES	LAND DESCRIPTION	
A0067	256		(ES4000102) (SHA006701)
TRACT ONE		5-22-055: 24E NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(ZD 334) (DRRZD 37)
TRACT TWO		5-22-055: 24W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
A0068	256		(ES4000102)
TRACT ONE		5-22-055: 25E NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(ZD 334) (DRRZD 37)
TRACT TWO		5-22-055: 25W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
A0069	256		(ES4000102) (SHA006701)
TRACT ONE		5-22-055: 26SE,NW NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(ZD 334) (DRRZD 67)
TRACT TWO		5-22-055: 26SW,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 67)
A0070	256		(ES4000102) (SHA006701) (SHA008201)
TRACT ONE		5-22-055: 27E NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(ZD 334) (DRRZD 67)
TRACT TWO		5-22-055: 27W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 67)
A0071	256		(ES4000102) (SHA006701) (SHA008201)
		5-22-055: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE SPIRIT RIVER FM	(DRRZD 3) (DRRZD 22)
A0072	256		(ES4000102) (SHA006701) (SHA008201)
TRACT ONE		5-22-055: 34N,SE NATURAL GAS IN THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(ZD 334) (DRRZD 22)
TRACT TWO		5-22-055: 34SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)

2017 JUNE 07

LEASE	HECTARES	LAND DESCRIPTION	
A0085	128	5-12-087: 17E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SLAVE POINT FM	(ADM011501) (DRRZD 18)
85	23,792.92	HA TOTALS	END

2017 JUNE 07

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0086	256		(ES2000103) (SHA006701) (SHA008201)
		6-07-064: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE PEACE RIVER FM	(DRRZD 51) (DRRZD 40)
B0087	256		(ES2000103) (SHA006701) (SHA008201)
		6-07-064: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE PEACE RIVER FM	(DRRZD 51) (DRRZD 40)
B0088	512	6-06-086: 29; 30 PETROLEUM AND NATURAL GAS	
B0089	512		(ADM011501)
		5-11-089: 27W; 28; 33E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SLAVE POINT FM	(DRRZD 18)
4	1,536.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

ZD: 41-1 ZONE: 2420 BASAL COLORADO SD
INTERVAL: 2824.00 - 2837.00 FEET
KEY WELL: 00/06-32-023-11W4/0
LOG TYPE: ELECTRICAL

ZD: 57-1 ZONE: 6580 WABAMUN GRP
INTERVAL: 8008.00 - 8750.00 FEET
KEY WELL: 00/16-11-032-01W5/0
LOG TYPE: ELECTRICAL

ZD: 235-1 ZONE: 6580 WABAMUN GRP
INTERVAL: 8400.00 - 8830.00 FEET
KEY WELL: 00/07-12-029-01W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 235-1-A ZONE: 6380 ELKTON MBR
INTERVAL: 7240.00 - 7322.00 FEET
KEY WELL: 00/03-14-029-29W4/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 334 ZONE: 7040 WOODBEND GRP
INTERVAL: 12100.00 - 12750.00 FEET
KEY WELL: 00/08-26-055-22W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZONE: 2140 VIKING FM

INTERVAL: 8060.00 - 8204.00 FEET
KEY WELL: 02/08-26-055-22W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 2161-1 ZONE: 6580 WABAMUN GRP
INTERVAL: 8331.00 - 8739.00 FEET
KEY WELL: 00/06-09-031-01W5/0
LOG TYPE: GAMMA RAY NEUTRON

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2017 JUNE 07 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: 10 ZONE: 7655 GILWOOD MBR

INTERVAL: 5693.00 - 5772.00 FEET
KEY WELL: 00/02-21-079-08W5/0
LOG TYPE: INDUCTION ELECTRIC

DRRZD: 12 ZONE: 1640 MEDICINE HAT SD

INTERVAL: 1312.00 - 1582.00 FEET
KEY WELL: 00/06-30-014-04W4/0
LOG TYPE: INDUCTION GAMMA RAY

DRRZD: 13 ZONE: 1860 SECOND WHITE SPECKS

INTERVAL: 1820.00 - 2030.00 FEET
KEY WELL: 00/10-17-014-09W4/0
LOG TYPE: INDUCTION ELECTRIC

DRRZD: 18 ZONE: 7580 SLAVE POINT FM

INTERVAL: 4196.00 - 4336.00 FEET
KEY WELL: 00/02-17-088-08W5/0
LOG TYPE: GAMMA RAY-ACOUSTIC

DRRZD: 21 ZONE: 3052 BLUESKY-BULLHEAD

INTERVAL: 2754.00 - 3043.00 FEET
KEY WELL: 00/10-32-081-01W6/0
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

DRRZD: 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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2017 JUNE 07 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: 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: 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: 67 ZONE: 7200 LEDUC FM

INTERVAL: 8554.00 - 9100.00 FEET
KEY WELL: 00/06-33-060-15W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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: 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

DRRZD: 288 ZONE: 6470 LWR BANFF-EXSHAW FM

INTERVAL: 1255.00 - 1284.00 METRES
KEY WELL: 00/08-24-003-17W4/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA

LEASE A0058
LEASE A0059

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

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0082
LEASE A0084
LEASE A0085
LICENCE B0089

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

ES2000103 EASTERN SLOPES POLICY

LAND DESCRIPTION
LICENCE B0086 6-07-064: 2NWP
LICENCE B0087

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) AS DESCRIBED IN "A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES".

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

ES4000102 EASTERN SLOPES POLICY

LAND DESCRIPTION
LEASE A0066 5-22-055: 22EP
LEASE A0067 5-22-055: 24WP
LEASE A0068 5-22-055: 25WP
LEASE A0069
LEASE A0070 5-22-055: 27SEP,NWP,NE,L6P
LEASE A0071 5-22-055: 28L16P
LEASE A0072

ALL LAND(S) IS/ARE WITHIN ZONE 4 (GENERAL RECREATION) AS DESCRIBED IN "A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES".

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

SHARAD KARMACHARYA
LAND MANAGEMENT PLANNER
HINTON OFFICE - LAND USE AREA- LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
131 CIVIC CENTRE RD FLOOR 3
HINTON AB T7V 2E6 (780) 865-8267

ES4000103 EASTERN SLOPES POLICY

LAND DESCRIPTION
LEASE A0074 6-04-063: 4NP,SEP,SW; 5EP; 9WP

ALL LAND(S) IS/ARE WITHIN ZONE 4 (GENERAL RECREATION) AS DESCRIBED IN "A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES".

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

ESA000701 MULTIPLE RESOURCE CONCERNS

LEASE A0001

ALL LAND(S) IS/ARE WITHIN AN ENVIRONMENTALLY SIGNIFICANT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LOWELL CALDER
PUBLIC LANDS OFFICER
LETHBRIDGE NORTH OFFICE-RANGELAND DISTRICT-LANDS DIVISION DEPT. OF
SUSTAINABLE RESOURCE DEV
5401 1 AVE S FLOOR 1
LETHBRIDGE AB T1J 4V6 (403) 382-4290

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

ESA001401 ENVIRONMENTALLY SENSITIVE AREA WITHIN SPECIAL AREA

LAND DESCRIPTION
LEASE A0016 4-17-027: 11L13,L14

ALL LAND(S) IS/ARE WITHIN AN ENVIRONMENTALLY SIGNIFICANT AREA.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DUG O. MAJOR
DIRECTOR, PROPERTIES MANAGEMENT
MUNICIPAL AFFAIRS, DEPARTMENT OF
MUNICIPAL ADMIN SERVICES DIVISION
TAX RECOVERY AND PROPERTY ADMIN
REAL ESTATE MANAGER
JARVIS BUILDING
9925 107 ST NW 12 FLOOR
EDMONTON AB T5K 2H9 (403) 854-5614

GZR000201 TWIN RIVER

LEASE A0002

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JAKE WILLMS
PGR RANGELAND AGROLOGIST
LETHBRIDGE OFFICE - PUBLIC LANDS DEPT. OF SUSTAINABLE RESOURCE DEV
5401 1 AVE S SUITE 100
LETHBRIDGE AB T1J 4V6 (403) 382-4287

GZR001801 HIGH PRAIRIE

LAND DESCRIPTION
LEASE A0080 5-16-077: 12

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

KURT KUSHNER
RANGELAND PROGRAM MANAGER
FAIRVIEW OFFICE-OPERATIONS-RANGELANDS DISTRICT- ENVIRONMENT AND PARKS
10209 109 ST FLOOR 2
PO BOX 819
FAIRVIEW AB T0H 1L0 (780) 538-5260

IR2000201 ROCKY-NORTH SASKATCHEWAN

LAND DESCRIPTION
LEASE A0060 5-07-042: 24SP,NEP
LEASE A0061

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF THE ROCKY-NORTH SASKATCHEWAN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

ANNE HUBBS
SENIOR WILDLIFE BIOLOGIST
ROCKY MOUNTAIN HOUSE OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE
RESOURCE DEV
PO BOX 1720
ROCKY MOUNTAIN HOUSE AB T4T 1B3 (403) 845-8235

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

SHA006801 COLONIAL NESTING BIRDS

LAND DESCRIPTION
LEASE A0010 4-26-026: 3SEP,NWP,NE; 10SP

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 A0074 6-04-063: 4EP
LEASE A0076 5-20-068: 33NP,SEP
LEASE A0079
LEASE A0083

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 A0066 5-22-055: 22P
LEASE A0070 5-22-055: 27P
LEASE A0071
LEASE A0072 5-22-055: 34P
LEASE A0073
LEASE A0074
LICENCE B0086
LICENCE B0087

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

SMP002401 PUBLIC PIT

LAND DESCRIPTION
LEASE A0074 6-04-063: 5SEP

ALL LAND(S) IS/ARE WITHIN AN AREA OF SURFACE MATERIALS POTENTIAL.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

BRUCE BLUE
AGGREGATES ADMINISTRATOR
TRANSPORTATION
PROPERTY DEVELOPMENT
6950 113 ST NW FLOOR 3
EDMONTON AB T6H 5V7 (780) 415-1389

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 07 PUBLIC OFFERING NOTICE

TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER

LAND DESCRIPTION
LEASE A0078 6-08-072: 14SP

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 A0078 6-08-072: 14SP,NEP

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

WLT001001 BUFFALO LAKE

LAND DESCRIPTION
LEASE A0053 4-21-041: 22SE

ALL LAND(S) IS/ARE WITHIN A 'WETLANDS FOR TOMORROW' PROJECT.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

REG RUSSELL
WILDLIFE TECHNICIAN
RED DEER OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
4911 51 ST SUITE 404
RED DEER AB T4N 6V4 (403) 340-7700

END