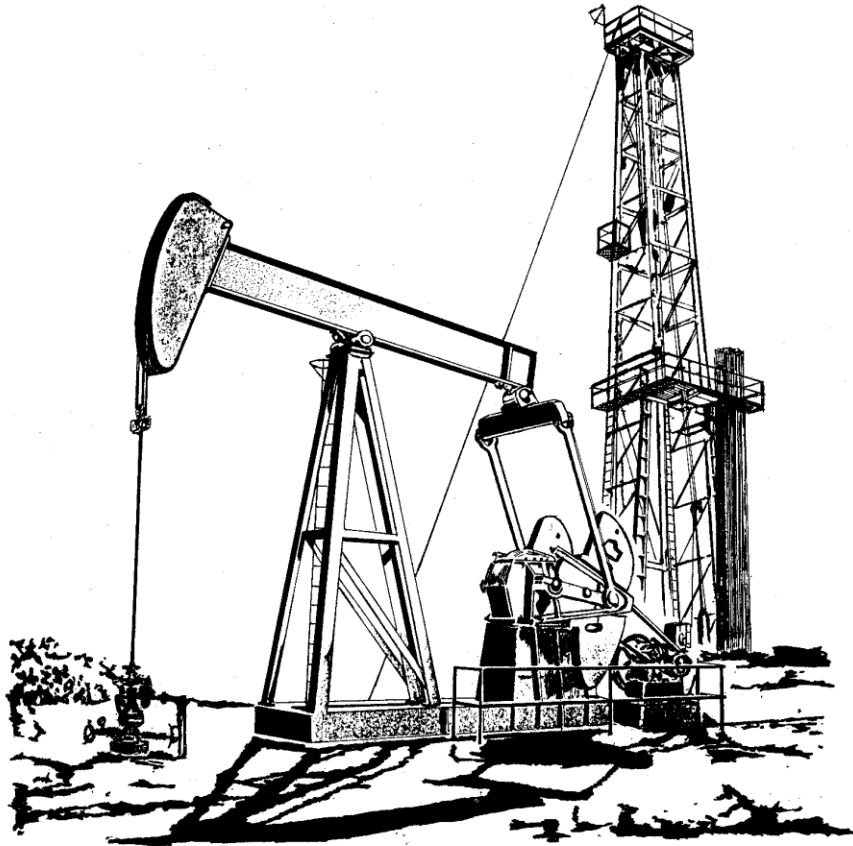


2017 JUNE 21

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta 
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2017.06.21

From	To	Total	Area
LEASES: A0099	A0175	77	22,609.0900 ha.
LICENCES: B0176	B0182	7	18,944.0000 ha.

		84	41,553.0900 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 21**.

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 21** 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.

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0099	128	4-19-002: 1W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD TO THE BASE OF THE LWR BANFF-EXSHAW FM	(GZR000201) (DRRZD 8) (DRRZD 288)
A0100	48	TRACT ONE 4-14-011: 13L11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
		TRACT TWO 4-14-011: 13L13,L14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0101	128	4-13-024: 25S PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE COLORADO GRP EXCEPTING NATURAL GAS IN THE BLAIRMORE GRP	(DRRZD 4) (ZD 7-1) (ZD 7-1)
A0102	128	4-29-029: 24S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE PEKISKO FM	(DRRZD 39) (DRRZD 30)
A0103	256	4-02-033: 17 PETROLEUM AND NATURAL GAS	
A0104	1472	TRACT ONE 5-01-036: 29 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUVERNAY FM	(DRRZD 286)
		TRACT TWO 5-01-036: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE DUVERNAY FM	(DRRZD 39) (DRRZD 286)
		TRACT THREE 5-01-036: 16SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE DUVERNAY FM	(DRRZD 6) (DRRZD 286)
		TRACT FOUR 5-01-036: 16W; 20; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE DUVERNAY FM	(DRRZD 4) (DRRZD 286)
		TRACT FIVE 5-01-036: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM TO THE BASE OF THE DUVERNAY FM	(DRRZD 30) (DRRZD 286)
A0105	1472	5-01-036: 16S,NW; 20; 22; 28; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUVERNAY FM	(DRRZD 286)
A0106	256	4-05-037: 12 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 1013-1)

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LEASE	HECTARES	LAND DESCRIPTION	
A0107	512	4-28-037: 20; 29 PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0108	488.13	4-28-037: 28; 30E,WF PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0109	256	4-19-038: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0110	256	4-08-039: 4 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 77)
A0111	640	TRACT ONE 5-01-039: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
		TRACT TWO 5-01-039: 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		TRACT THREE 5-01-039: 2N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0112	512	5-02-039: 2; 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
A0113	256	4-26-040: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0114	256	4-26-040: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0115	4.56	4-28-040: 21SEP PORTION(S) DESIGNATED AS GULL LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1894/04/24. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(PPP001201) (PRP003601) (SHA007201) (DRRZD 4)
A0116	256	4-25-041: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

2017 JUNE 21

LEASE	HECTARES	LAND DESCRIPTION	
A0117	256	4-26-041: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0118	256	4-26-041: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 4)
A0119	256	4-26-041: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0120	256	4-26-041: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0121	256	4-26-041: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0122	256	4-26-041: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0123	256	4-18-043: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0124	256	4-27-043: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
A0125	256	4-25-044: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0126	256	4-25-044: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0127	256	4-26-044: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0128	256	4-26-045: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0129	16	4-01-049: 22L1 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0130	32	4-01-049: 22L4, L5 PETROLEUM AND NATURAL GAS	
A0131	64	4-26-049: 30NW PETROLEUM AND NATURAL GAS	
A0132	256	5-02-049: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0133	256	5-03-049: 14 PETROLEUM AND NATURAL GAS	
A0134	64	4-05-050: 2SE PETROLEUM AND NATURAL GAS	
A0135	128	4-05-050: 2W PETROLEUM AND NATURAL GAS	
A0136	64	4-05-050: 14SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 274)
A0137	112	4-05-050: 14NE, L11, L13, L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 274)
A0138	128	4-09-050: 12S PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0139	256	5-02-050: 12 PETROLEUM AND NATURAL GAS	
A0140	2048	TRACT ONE 4-06-052: 2; 16; 18; 22; 24; 28 PETROLEUM AND NATURAL GAS	
		TRACT TWO 4-06-052: 11 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 6)
		TRACT THREE 4-06-052: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0141	256	TRACT ONE 4-19-057: 3SW PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
		TRACT TWO 4-19-057: 3N, SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE TOP OF THE ELK POINT GRP	(DRRZD 4) (DRRZD 284)

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LEASE	HECTARES	LAND DESCRIPTION	
A0142	64	4-17-059: 10NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0143	256	4-18-063: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE COLONY MBR EXCEPTING NATURAL GAS IN THE BASAL MANNVILLE	(SHA006701) (DRRZD 4) (ZD 2662) (ZD 2662)
--- NORTHERN REGION ---			
A0144	256	5-06-043: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE JURASSIC SYSTEM	(IR2000201) (SHA006701) (DRRZD 39) (DRRZD 90)
A0145	20.4	5-11-044: 35SP,NEP PORTION(S) LYING OUTSIDE O'CHIESE INDIAN RESERVE NO. 203. PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP PETROLEUM AND NATURAL GAS IN THE ROCK CREEK MBR	(SHA006701) (DRRZD 4) (DRRZD 60)
A0146	320	5-13-048: 23S; 24S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE TOP OF THE MANNVILLE GRP	(ES2000101) (SHA006701) (DRRZD 280) (DRRZD 4)
A0147	256	5-07-053: 1 PETROLEUM AND NATURAL GAS	
A0148	256	5-07-053: 29 PETROLEUM AND NATURAL GAS	(PRP001701) (SHA006701)
A0149	256	5-07-054: 33 PETROLEUM AND NATURAL GAS	
A0150	256	5-16-054: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0151	256	5-07-055: 22 PETROLEUM AND NATURAL GAS	(SHA006701)
A0152	256	5-17-057: 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA008201) (DRRZD 21)
A0153	256	5-16-059: 23 PETROLEUM AND NATURAL GAS	(SHA008201)
A0154	256	5-16-059: 26 PETROLEUM AND NATURAL GAS TO THE BASE OF THE WINTERBURN GRP	(SHA008201) (DRRZD 80)

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LEASE	HECTARES	LAND DESCRIPTION	
A0155	256	5-05-061: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(IR2000901) (DRRZD 4)
A0156	256	5-06-061: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(IR3000501) (DRRZD 4)
A0157	256	5-06-061: 24 NATURAL GAS IN THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(IR2000901) (ZD 2984-A) (DRRZD 4)
A0158	256	5-14-061: 18 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(SHA008001) (DRRZD 22)
A0159	128	5-24-063: 29W PETROLEUM AND NATURAL GAS	(SHA008201)
A0160	256	5-09-068: 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA008001) (DRRZD 6)
A0161	256	5-09-068: 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA008001) (DRRZD 6)
A0162	128	6-08-070: 29E PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOIG FM	(DRRZD 251)
A0163	256	6-11-072: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOE CREEK MBR TO THE BASE OF THE HALFWAY FM	(DRRZD 25) (DRRZD 246)
A0164	1280	5-19-074: 31 5-20-074: 26; 34-36 PETROLEUM AND NATURAL GAS	(SHA006701)
A0165	256	5-23-076: 13 PETROLEUM AND NATURAL GAS	(IRS000201) (SHA006701)
A0166	256	6-04-076: 31 PETROLEUM AND NATURAL GAS	
A0167	256	6-04-076: 32 PETROLEUM AND NATURAL GAS	
A0168	192	5-05-077: 6S,NW PETROLEUM AND NATURAL GAS	
A0169	64	5-12-077: 14NW PETROLEUM AND NATURAL GAS	(TSH003501)

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE
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LEASE	HECTARES	LAND DESCRIPTION	
A0170	128	5-22-079: 20N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DEBOLT FM	(ADM001901) (DRRZD 42)
--- Foothills Region ---			
A0171	64	5-01-012: 26NW PETROLEUM AND NATURAL GAS	(IRF000101) (SHA006701) (SHA008101)
A0172	256	5-06-031: 13 PETROLEUM AND NATURAL GAS	
A0173	256	6-05-059: 5 PETROLEUM AND NATURAL GAS	(SHA008201)
A0174	256	6-05-059: 6 PETROLEUM AND NATURAL GAS	(SHA008201)
A0175	256	6-05-059: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(SHA008201) (DRRZD 276)
77	22,609.09	HA TOTALS	END

2017 JUNE 21

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0176	4096		(SHA006701) (SHA007001) (TSH003501)
		5-13-059: 1-3; 10-15; 22-28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
B0177	4096		(SHA006701) (SHA007001) (TSH003501)
TRACT ONE		5-13-059: 10; 12-15; 23; 25-28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE WABAMUN GRP	(DRRZD 277)
TRACT TWO		5-13-059: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 39) (DRRZD 277)
TRACT THREE		5-13-059: 1-3; 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 4) (DRRZD 277)
TRACT FOUR		5-13-059: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR TO THE BASE OF THE WABAMUN GRP	(DRRZD 66) (DRRZD 277)
B0178	4096		(SHA006701) (SHA008001)
		5-13-061: 10; 11; 14-16; 21-23; 26-29; 32-35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
B0179	4096		(SHA006701) (SHA008001)
TRACT ONE		5-13-061: 10; 11; 14; 16; 21-23; 26-28; 33-35 PETROLEUM AND NATURAL GAS TO THE BASE OF THE WABAMUN GRP	(DRRZD 277)
TRACT TWO		5-13-061: 15; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE WABAMUN GRP	(DRRZD 21) (DRRZD 277)
B0180	768		(ES2000103) (ES4000103) (SHA006701) (SHA008201)
TRACT ONE		6-04-061: 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 276) (DRRZD 264)
TRACT TWO		6-04-061: 10; 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 21) (DRRZD 264)

2017 JUNE 21

LICENCE	HECTARES	LAND DESCRIPTION	
B0181	512	6-10-076: 2; 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOE CREEK MBR	(SHA006701) (TSH003401) (TSH003501) (DRRZD 25)
B0182	1280		(HRV003201)
TRACT ONE		6-06-077: 31 6-06-078: 16SE; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
TRACT TWO		6-06-078: 7; 16N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
TRACT THREE		6-07-078: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM TO THE BASE OF THE MONTNEY FM	(DRRZD 246) (DRRZD 264)
7	18,944.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2017 JUNE 21 PUBLIC OFFERING NOTICE

ZD: 7-1 ZONE: 1600 COLORADO GRP

INTERVAL: 1495.00 - 2948.00 FEET
KEY WELL: 00/06-22-024-13W4/0
LOG TYPE: ELECTRICAL

 ZONE: 2440 BLAIRMORE GRP

INTERVAL: 2948.00 - 3310.00 FEET
KEY WELL: 00/06-22-024-13W4/2
LOG TYPE: ELECTRICAL

ZD: 77 ZONE: 2140 VIKING FM

INTERVAL: 2452.00 - 2503.00 FEET
KEY WELL: 00/13-27-038-08W4/0
LOG TYPE: ELECTRICAL

ZD: 1013-1 ZONE: 2140 VIKING FM

INTERVAL: 2218.00 - 2232.00 FEET
KEY WELL: 00/06-01-037-05W4/0
LOG TYPE: ELECTRICAL

ZD: 2662 ZONE: 6960 NISKU FM

INTERVAL: 2260.00 - 2430.00 FEET
KEY WELL: 00/11-19-062-18W4/0
LOG TYPE: ELECTRICAL

 ZONE: 2140 VIKING FM

INTERVAL: 1550.00 - 1650.00 FEET
KEY WELL: 00/10-01-063-18W4/0
LOG TYPE: ELECTRICAL

 ZONE: 2560 COLONY MBR

INTERVAL: 1700.00 - 1820.00 FEET
KEY WELL: 00/10-01-063-18W4/0
LOG TYPE: ELECTRICAL

 ZONE: 3200 BASAL MANNVILLE

INTERVAL: 2060.00 - 2170.00 FEET
KEY WELL: 00/10-01-063-18W4/0
LOG TYPE: ELECTRICAL

ZD: 2984-A ZONE: 1260 BELLY RIVER GRP

INTERVAL: 500.00 - 1249.00 FEET
KEY WELL: 00/10-25-061-06W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2017 JUNE 21 PUBLIC OFFERING NOTICE

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: 20 ZONE: 4280 SAWTOOTH FM

INTERVAL: 3109.00 - 3176.00 FEET
KEY WELL: 00/10-02-006-14W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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: 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: 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: 42 ZONE: 6120 DEBOLT FM

INTERVAL: 4444.00 - 5294.00 FEET
KEY WELL: 00/10-11-080-03W6/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2017 JUNE 21 PUBLIC OFFERING NOTICE

DRRZD: 60 ZONE: 4320 ROCK CREEK MBR

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

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: 80 ZONE: 6700 WINTERBURN GRP

INTERVAL: 8452.00 - 8914.00 FEET
KEY WELL: 00/10-07-060-17W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 90 ZONE: 4000 JURASSIC SYSTEM

INTERVAL: 7052.00 - 7148.00 FEET
KEY WELL: 00/06-29-039-03W5/0
LOG TYPE: INDUCTION ELECTROLOG

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: 274 ZONE: 2030 FISH SCALE-WESTGATE

INTERVAL: 1420.00 - 1594.00 FEET
KEY WELL: 00/11-05-045-01W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2017 JUNE 21 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: 284 ZONE: 7635 ELK POINT GRP

INTERVAL: 783.00 - 1370.00 METRES
KEY WELL: 02/06-13-063-08W4/0
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

DRRZD: 286 ZONE: 7280 DUVERNAY FM

INTERVAL: 1553.30 - 1600.30 METRES
KEY WELL: 00/07-14-048-21W4/0
LOG TYPE: COMPENSATED NEUTRON LITHOLOGY 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 21 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1
LEASE A0170

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

ES2000101 EASTERN SLOPES POLICY
LEASE A0146

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:

DAVE HOBSON
WILDLIFE BIOLOGIST
EDSON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
111 54 ST SUITE 203
EDSON AB T7E 1T2 (780) 723-8518

ES2000103 EASTERN SLOPES POLICY
LAND DESCRIPTION

LICENCE B0180 6-04-061: 10S,NP; 11WP

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 21 PUBLIC OFFERING NOTICE

PPP001201 ASPEN BEACH - SECTION 7 LAND

LAND DESCRIPTION
LEASE A0115 4-28-040: 21L7P

ALL LAND(S) IS/ARE WITHIN A PROPOSED 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
PROVINCIAL BUILDING FLOOR 2
9503 BEAVERHILL ROAD
PO BOX 1019
LAC LA BICHE AB T0A 2C0 (780) 644-5357

PRP001701 PEMBINA RIVER

LEASE A0148

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
PROVINCIAL BUILDING FLOOR 2
9503 BEAVERHILL ROAD
PO BOX 1019
LAC LA BICHE AB T0A 2C0 (780) 644-5357

PRP003601 ASPEN BEACH

LAND DESCRIPTION
LEASE A0115 4-28-040: 21SEP

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
PROVINCIAL BUILDING FLOOR 2
9503 BEAVERHILL ROAD
PO BOX 1019
LAC LA BICHE AB T0A 2C0 (780) 644-5357

ADDENDA AND CONTACTS APPLICABLE TO THE 2017 JUNE 21 PUBLIC OFFERING NOTICE

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

		LAND DESCRIPTION
LEASE	A0143	4-18-063: 1NP,SWP
LEASE	A0144	5-06-043: 24EP
LEASE	A0145	
LEASE	A0146	5-13-048: 23S; 24SP
LEASE	A0148	5-07-053: 29NEP
LEASE	A0151	5-07-055: 22SP,NWP
LEASE	A0164	5-20-074: 26NP,SEP,SW
LEASE	A0165	
LEASE	A0171	
LICENCE	B0176	5-13-059: 1EP,W; 2EP; 11SEP; 12SP,NWP,NE; 13NP,SE,SWP; 24EP; 25SEP
LICENCE	B0177	5-13-059: 1EP,W; 2EP; 11SEP; 12SP,NWP,NE; 13NP,SE,SWP; 24EP; 25SEP
LICENCE	B0178	5-13-061: 10E,WP; 11; 14; 15S,NWP,NE; 16EP; 22P; 23; 26S,NW,NEP; 27N,SE,SWP; 28EP; 33SP,NWP,NE; 34S,NW,NEP; 35P
LICENCE	B0179	5-13-061: 10E,WP; 11; 14; 15S,NWP,NE; 16EP; 22P; 23; 26S,NW,NEP; 27N,SE,SWP; 28EP; 33SP,NWP,NE; 34S,NW,NEP; 35P
LICENCE	B0180	
LICENCE	B0181	6-10-076: 2NWP; 3P

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
LICENCE	B0176	5-13-059: 3WP; 10NP,SWP; 15NP,SEP,SW; 22SWP
LICENCE	B0177	5-13-059: 3WP; 10NP,SWP; 15NP,SEP,SW; 22SWP

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

SHA007201 PIPING PLOVER

		LAND DESCRIPTION
LEASE	A0115	4-28-040: 21SEP

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 A0158
LEASE A0160
LEASE A0161
LICENCE B0178
LICENCE B0179

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

SHA008101 LIVINGSTONE GRIZZLY BEAR ZONE

LEASE A0171

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 A0152 5-17-057: 27P
LEASE A0153
LEASE A0154
LEASE A0159
LEASE A0173
LEASE A0174
LEASE A0175
LICENCE B0180

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 B0181 6-10-076: 2NP

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 2017 JUNE 21 PUBLIC OFFERING NOTICE

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

	LEASE		LAND DESCRIPTION
	A0169	5-12-077:	14NWP
	B0176	5-13-059:	1SWP; 2SEP
	B0177	5-13-059:	1SWP; 2SEP
	B0181	6-10-076:	2NP

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

END