

2016 AUGUST 17

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2016.08.17

From	To	Total	Area
LEASES: A0081	A0137	57	15,700.1600 ha.
LICENCES: B0138	B0158	21	35,072.0000 ha.
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		78	50,772.1600 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 2016 August 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 **2016 August 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.

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LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0081	256	4-25-012: 20 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TURNER VALLEY FM	(DRRZD 28)
A0082	256	4-19-018: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0083	256	4-14-019: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0084	256	4-15-029: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0085	256	4-16-030: 9 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
A0086	256	4-16-030: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
A0087	256	4-24-033: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0088	256	4-11-034: 25 PETROLEUM AND NATURAL GAS	
A0089	256	4-08-035: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0090	256	4-08-035: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0091	192	4-08-035: 22S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0092	256	4-10-035: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0093	256	4-03-036: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0094	256	4-04-036: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0095	112	4-04-036: 16NW, L9, L10, L16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0096	256	4-04-036: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0097	256	4-04-036: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0098	256	4-04-036: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0099	192	4-03-037: 7SE, L3, L4, L6, L9-L11, L14, L15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0100	256	4-04-037: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0101	128	4-04-037: 2N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0102	256	4-04-037: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0103	192	4-04-037: 12W, L1, L2, L7, L15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0104	208	4-04-037: 13N, L1, L3-L5, L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0105	256	4-21-042: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0106	256	4-23-042: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0107	128	5-04-044: 5W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE MANNVILLE GRP	(IR3000201) (NAT005501) (DRRZD 6) (DRRZD 4)
A0108	256	4-26-048: 10 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0109	64	4-05-050: 16SE PETROLEUM AND NATURAL GAS	
A0110	512	4-06-058: 18 4-07-058: 13 PETROLEUM AND NATURAL GAS	(ADM001801) (SHA006701)
A0111	4	4-07-059: 23L3SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (SHA006701) (DRRZD 4)
--- NORTHERN REGION ---			
A0112	128	5-05-042: 33S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0113	256	5-05-043: 11 PETROLEUM AND NATURAL GAS TO THE TOP OF THE PEKISKO FM	(DRRZD 30)
A0114	256	TRACT ONE 5-06-043: 17S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE NORDEGG MBR	(DRRZD 3) (DRRZD 66)
		TRACT TWO 5-06-043: 17NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 39) (DRRZD 60)
A0115	256	5-06-043: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(GZR001401) (DRRZD 280) (DRRZD 4)
A0116	256	5-07-044: 35 PETROLEUM AND NATURAL GAS	
A0117	256	6-05-070: 33 PETROLEUM AND NATURAL GAS	(PNA020401) (SHA007001)
A0118	256	TRACT ONE 6-06-071: 31N,SE PETROLEUM AND NATURAL GAS	(TSH003301)
		TRACT TWO 6-06-071: 31SW PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE CHARLIE LAKE FM	(DRRZD 247)
A0119	256	6-07-071: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)

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LEASE	HECTARES	LAND DESCRIPTION	
A0120	256	6-08-071: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(TSH003301) (DRRZD 246)
A0121	128	6-04-072: 34E PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
A0122	256	6-06-072: 4 PETROLEUM AND NATURAL GAS	(TSH003301)
A0123	256	6-06-072: 9 PETROLEUM AND NATURAL GAS	
A0124	256	6-06-072: 34 PETROLEUM AND NATURAL GAS	(TSH003301)
A0125	64	5-20-078: 22NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BEAVERHILL LAKE GRP	(ADM001901) (DRRZD 5)
A0126	512	6-06-084: 31 6-07-084: 36 PETROLEUM AND NATURAL GAS	(SHA006701) (SHA007001)
A0127	512	6-07-084: 27; 28 PETROLEUM AND NATURAL GAS	(SHA007001)
A0128	64	6-08-084: 7NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(SHA006701) (DRRZD 247)
A0129	256	5-23-085: 5 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(ADM001901) (DRRZD 40)
A0130	576	TRACT ONE 5-25-087: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(SHA006701) (DRRZD 22)
		TRACT TWO 5-25-087: 5 5-26-086: 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0131	512	6-01-086: 34; 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA008401) (DRRZD 21)
A0132	512	5-25-087: 4; 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(SHA006701) (DRRZD 22)

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LEASE	HECTARES	LAND DESCRIPTION	
A0133	720.16		(SHA006701)
	TRACT ONE	5-26-087: 12EF PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-25-087: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
	TRACT THREE	5-25-087: 6 5-26-087: 1EF PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0134	512		(SHA006701) (SHA008401)
		6-01-087: 1; 12 PETROLEUM AND NATURAL GAS	
A0135	512		(GZR002801) (SHA006701) (SHA008401)
		6-01-087: 2; 3 PETROLEUM AND NATURAL GAS	
A0136	512		(GZR002801) (SHA006701) (SHA008401)
		6-01-087: 10; 11 PETROLEUM AND NATURAL GAS	
--- Foothills Region ---			
A0137	256		(SHA008301)
		5-09-038: 1 PETROLEUM AND NATURAL GAS TO THE TOP OF THE MANNVILLE GRP	(DRRZD 4)
57	15,700.16	HA TOTALS	END

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LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0138	2048		
	TRACT ONE	4-22-032: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT TWO	4-22-032: 10; 12; 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	4-22-031: 35 4-22-032: 1-3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 9)
B0139	2048		
	TRACT ONE	4-25-031: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-25-031: 20; 21; 33 4-25-032: 4 4-26-031: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT THREE	4-25-031: 31; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0140	2112		
	TRACT ONE	4-22-032: 26NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-22-032: 15; 16; 22-25; 35; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0141	2048		
	TRACT ONE	4-21-033: 17; 18E; 32S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-21-033: 18W; 19; 20; 30; 31; 32N 4-22-033: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0142	2048		(NAT015501)
TRACT ONE	4-22-033: 4	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT TWO	4-22-033: 2	PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP	(DRRZD 280)
TRACT THREE	4-22-033: 18 4-23-033: 24	PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 6)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FOUR	4-22-033: 10; 11; 16; 20	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

B0143	3712		
TRACT ONE	4-25-034: 32N 4-25-035: 6; 29SE,NW; 30NE 4-26-034: 24; 36 4-26-035: 24N	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 1090)
		EXCEPTING NATURAL GAS IN THE RUNDLE GRP	(ZD 1090)
TRACT TWO	4-25-034: 28	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT THREE	4-25-034: 18; 30; 32S 4-25-035: 7; 18; 20SW; 29SW,NE; 30S,NW; 32 4-26-034: 26NE 4-26-035: 24S; 36	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)

B0144	2048		
TRACT ONE	4-24-036: 6 4-25-036: 10; 16	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT TWO	4-24-035: 29; 30; 32 4-25-035: 36 4-25-036: 2	PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0145	768		
	TRACT ONE	5-07-039: 36N PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-07-039: 24N,SE PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE CARDIUM FM	(ZD 341)
	TRACT THREE	5-07-039: 25NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE CARDIUM FM	(DRRZD 3) (DRRZD 13) (ZD 341)
	TRACT FOUR	5-07-039: 24SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT FIVE	5-07-039: 25S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE CARDIUM FM	(DRRZD 3) (DRRZD 4) (ZD 341)
	TRACT SIX	5-07-039: 36S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
B0146	1024		(SHA008201)
	TRACT ONE	6-02-064: 16; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	6-02-064: 9; 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0147	256		(SHA006701) (SHA008201)
		6-02-064: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0148	256		(ES4000103) (SHA006701) (SHA008201)
		6-02-064: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0149	256		(ES4000103) (SHA006701) (SHA008201)
		6-02-064: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0150	256		(ES4000103) (SHA006701) (SHA008201)
		6-02-064: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0151	256	6-03-064: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(ES4000103) (SHA006701) (SHA008201) (DRRZD 21)
B0152	2112	TRACT ONE 4-22-069: 7N,SE; 9-11; 15N,SE; 16S,NE; 17; 18 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		TRACT TWO 4-22-069: 8 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE VIKING FM	(DRRZD 4) (ZD 3467)
B0153	1792	4-23-070: 16; 17; 19; 20; 29; 31; 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(SHA006701) (DRRZD 4)
B0154	2048	5-05-076: 23-27; 35; 36 5-05-077: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0155	2816	TRACT ONE 5-09-082: 25-27; 29N,SW; 30; 31S,NW; 32S,NE; 33-36 PETROLEUM AND NATURAL GAS	
		TRACT TWO 5-09-082: 32NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE SLAVE POINT FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE KEG RIVER SS	(DRRZD 18) (DRRZD 17)
		TRACT THREE 5-09-082: 29SE; 31NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE KEG RIVER SS	(DRRZD 17)
B0156	1536	TRACT ONE 6-03-082: 13; 14; 24 PETROLEUM AND NATURAL GAS	
		TRACT TWO 6-03-082: 23 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE PEACE RIVER FM EXCEPTING NATURAL GAS IN THE SPIRIT RIVER FM	(ZD 3302) (ZD 3302)
		TRACT THREE 6-02-082: 18; 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0157	2304	5-08-083: 4-9; 16-18 PETROLEUM AND NATURAL GAS	
B0158	3328	5-09-083: 1-13 PETROLEUM AND NATURAL GAS	
21	35,072.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2016 AUGUST 17 PUBLIC OFFERING NOTICE

ZD: 341 ZONE: 1700 CARDIUM FM

INTERVAL: 6610.00 - 6920.00 FEET
KEY WELL: 00/08-27-039-07W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 1090 ZONE: 2140 VIKING FM

INTERVAL: 4958.00 - 5075.00 FEET
KEY WELL: 00/06-06-035-25W4/0
LOG TYPE: NOT IDENTIFIED

 ZONE: 6100 RUNDLE GRP

INTERVAL: 5595.00 - 5735.00 FEET
KEY WELL: 00/06-06-035-25W4/0
LOG TYPE: NOT IDENTIFIED

ZD: 3302 ZONE: 2280 PEACE RIVER FM

INTERVAL: 1690.00 - 1896.00 FEET
KEY WELL: 00/06-36-082-03W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

 ZONE: 2640 SPIRIT RIVER FM

INTERVAL: 1938.00 - 3032.00 FEET
KEY WELL: 00/06-36-082-03W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

 ZONE: 3052 BLUESKY-BULLHEAD

INTERVAL: 3032.00 - 3288.00 FEET
KEY WELL: 00/06-36-082-03W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

 ZONE: 5000 TRIASSIC SYSTEM

INTERVAL: 3489.00 - 4096.00 FEET
KEY WELL: 00/06-36-082-03W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 3467 ZONE: 2140 VIKING FM

INTERVAL: 390.00 - 420.50 METRES
KEY WELL: 00/04-15-070-22W4/0
LOG TYPE: DUAL INDUCTION SFL

 ZONE: 2480 MANNVILLE GRP

INTERVAL: 437.00 - 605.00 METRES
KEY WELL: 00/04-15-070-22W4/0
LOG TYPE: DUAL INDUCTION SFL

 ZONE: 6580 WABAMUN GRP

INTERVAL: 605.00 - 632.00 METRES
KEY WELL: 00/04-15-070-22W4/0
LOG TYPE: DUAL INDUCTION SFL

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 AUGUST 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: 9 ZONE: 6440 BANFF FM

INTERVAL: 4513.00 - 4971.00 FEET
KEY WELL: 00/07-03-031-20W4/0
LOG TYPE: GAMMA RAY-SONIC

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: 17 ZONE: 7735 KEG RIVER SS

INTERVAL: 5625.00 - 5728.00 FEET
KEY WELL: 00/04-26-081-09W5/0
LOG TYPE: INDUCTION ELECTRICAL

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2016 AUGUST 17 PUBLIC OFFERING NOTICE

DRRZD: 28 ZONE: 6300 TURNER VALLEY FM

INTERVAL: 5817.00 - 6172.00 FEET
KEY WELL: 00/08-30-019-02W5/0
LOG TYPE: GAMMA RAY NEUTRON

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: 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: 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: 264 ZONE: 5240 MONTNEY FM

INTERVAL: 2229.00 - 2491.50 METRES
KEY WELL: 00/06-32-076-11W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 276 ZONE: 4140 FERNIE GRP

INTERVAL: 2048.00 - 2151.00 METRES
KEY WELL: 00/13-01-074-11W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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 2016 AUGUST 17 PUBLIC OFFERING NOTICE

ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA

LEASE A0110
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

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0125
LEASE A0129

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 2016 AUGUST 17 PUBLIC OFFERING NOTICE

NAT005501 **WILSON CREEK**
 LAND DESCRIPTION
LEASE A0107 5-04-044: 5NW

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

NAT015501 **TOLMAN BADLANDS HERITAGE RANGELAND**
 LAND DESCRIPTION
LICENCE B0142 4-22-033: 11NE

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

PNA020401 **WAPITI SAND DUNES**
LEASE A0117

ALL LAND(S) IS/ARE RESERVED FOR A PROPOSED NATURAL AREA, UNDER THE PUBLIC LANDS ACT.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

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 2016 AUGUST 17 PUBLIC OFFERING NOTICE

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

		LAND DESCRIPTION	
LEASE	A0110	4-06-058:	18
		4-07-058:	13SE,SWP
		4-07-058:	13N
LEASE	A0111		
LEASE	A0126	6-06-084:	31SEP
LEASE	A0128		
LEASE	A0130	5-25-087:	5SP
		5-25-087:	5N; 8SP,NEP
		5-26-086:	36NEP
LEASE	A0132	5-25-087:	4SP
		5-25-087:	4N; 9S,NP
LEASE	A0133	5-25-087:	6SP
		5-25-087:	6N; 7SP
		5-26-087:	1SEP
		5-26-087:	1NE; 12SEP
LEASE	A0134	6-01-087:	1SP
		6-01-087:	1N; 12SP
LEASE	A0135	6-01-087:	2NP,SEP; 3NEP
LEASE	A0136	6-01-087:	10SP
		6-01-087:	10N; 11SEP
		6-01-087:	11NP,SW
LICENCE	B0147	6-02-064:	17WP
LICENCE	B0148		
LICENCE	B0149		
LICENCE	B0150		
LICENCE	B0151		
LICENCE	B0153	4-23-070:	16WP
		4-23-070:	17S,NW,NEP
		4-23-070:	19; 20SEP
		4-23-070:	20NP,SW; 29SWP; 31SWP

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA007001 SPECIAL ACCESS ZONE

		LAND DESCRIPTION	
LEASE	A0117		
LEASE	A0126	6-07-084:	36SEP
		6-07-084:	36W,NEP
LEASE	A0127		

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 AUGUST 17 PUBLIC OFFERING NOTICE

SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE

LAND DESCRIPTION
LICENCE B0146 6-02-064: 21P
LICENCE B0147 6-02-064: 17P
LICENCE B0148 6-02-064: 18P
LICENCE B0149 6-02-064: 19P
LICENCE B0150 6-02-064: 30P
LICENCE B0151

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA008301 CLEARWATER GRIZZLY BEAR ZONE

LEASE A0137

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA008401 CHINCHAGA GRIZZLY BEAR ZONE

LAND DESCRIPTION
LEASE A0131
LEASE A0134 6-01-087: 1P; 12P
LEASE A0135
LEASE A0136 6-01-087: 10; 11P

ALL LAND(S) IS/ARE WITHIN A SENSITIVE HABITAT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

TSH003301 TRUMPETER SWAN HABITAT

LAND DESCRIPTION
LEASE A0118 6-06-071: 31SP
6-06-071: 31N
LEASE A0120 6-08-071: 25NP
LEASE A0122 6-06-072: 4SWP
LEASE A0124 6-06-072: 34SP,NEP

ALL LAND(S) IS/ARE WITHIN AN IMPORTANT TRUMPETER SWAN HABITAT. Specific area biologist contact information can be found at www.esrd.alberta.ca and then searching for 'Wildlife Management Area Contacts'.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029