

2016 SEPTEMBER 14

# PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta   
Government

## PUBLIC OFFERING CONTROL COUNTS FOR 2016.09.14

From	To	Total	Area
LEASES: A0065	A0124	60	16,272.0000 ha.
LICENCES: B0125	B0143	19	18,240.0000 ha.
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		79	34,512.0000 ha.

PUBLIC OFFERING OF CROWN  
PETROLEUM AND NATURAL GAS RIGHTS

BIDDING DEADLINE

Offers to purchase petroleum and natural gas leases and licences (including any subsequent amendments) contained in this notice will **not** be accepted after **12 noon on 2016 September 14**.

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 September 14** 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 ---			
A0065	384	4-08-015: 29; 30E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(CFB001001) (CFB001002)  (DRRZD 13)
A0066	256	4-20-018: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0067	256	4-19-019: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0068	64	4-17-029: 25NE PETROLEUM AND NATURAL GAS	
A0069	960	TRACT ONE 4-13-030: 24S,NE PETROLEUM AND NATURAL GAS  TRACT TWO 4-13-030: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM  TRACT THREE 4-13-030: 11; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 6)  (DRRZD 4)
A0070	256	4-13-030: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0071	256	4-13-030: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0072	256	4-16-030: 18 PETROLEUM AND NATURAL GAS	
A0073	256	4-12-031: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0074	256	4-13-031: 2 PETROLEUM AND NATURAL GAS	
A0075	256	4-13-031: 4 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SECOND WHITE SPECKS PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 13)  (DRRZD 4)
A0076	256	4-13-031: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0077	256	4-13-031: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0078	256	4-13-031: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0079	256	4-13-031: 12 PETROLEUM AND NATURAL GAS	
A0080	256	4-13-031: 14 PETROLEUM AND NATURAL GAS	
A0081	256	4-13-031: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0082	192	4-13-031: 18N,SW PETROLEUM AND NATURAL GAS TO THE TOP OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0083	256	4-13-031: 20 PETROLEUM AND NATURAL GAS	
A0084	256	4-13-031: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0085	256	4-13-031: 24 PETROLEUM AND NATURAL GAS	
A0086	256	4-13-031: 28 PETROLEUM AND NATURAL GAS	
A0087	256	4-13-031: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0088	256	4-13-031: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0089	256	4-13-031: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0090	256	4-13-031: 34 PETROLEUM AND NATURAL GAS	
A0091	256	4-13-031: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0092	256	4-10-034: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKLED SS	(DRRZD 13)
A0093	256	4-10-034: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0094	1024	TRACT ONE 4-19-035: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		TRACT TWO 4-19-035: 16; 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		TRACT THREE 4-19-035: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0095	320	4-18-036: 26NE; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
A0096	512	TRACT ONE 4-19-037: 2 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP	(DRRZD 280)
		TRACT TWO 4-18-037: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0097	256	4-04-043: 31 PETROLEUM AND NATURAL GAS	
A0098	256	4-05-043: 36 PETROLEUM AND NATURAL GAS	
A0099	256	4-05-044: 1 PETROLEUM AND NATURAL GAS	(SHA006801)
A0100	256	4-27-046: 34 PETROLEUM AND NATURAL GAS	
A0101	256	TRACT ONE 5-02-048: 18N PETROLEUM AND NATURAL GAS	
		TRACT TWO 5-02-048: 18S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0102	16	4-01-049: 10L15 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0103	256	5-03-062: 32 PETROLEUM AND NATURAL GAS	
A0104	256	4-14-064: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE GROSOMONT FM	(ADM011601) (SHA006701)  (DRRZD 6) (ZD 247)
A0105	256	4-15-065: 26 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(ADM011601)  (DRRZD 6)
A0106	256	4-15-065: 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(ADM011601)  (DRRZD 6)
--- NORTHERN REGION ---			
A0107	256	5-09-039: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(IR2000201) (SHA006701) (SHA008301)  (DRRZD 6)
A0108	256	5-09-039: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(IR2000201) (SHA006701) (SHA008301)  (DRRZD 6)
A0109	256	5-11-060: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(SHA008001)  (DRRZD 30)
A0110	256	5-11-060: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(SHA008001)  (DRRZD 30)
A0111	256	5-11-060: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(SHA008001)  (DRRZD 30)
A0112	256	5-12-060: 25 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(SHA008001)  (DRRZD 30)
A0113	64	5-12-060: 36SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(SHA008001)  (DRRZD 30)
A0114	128	6-07-072: 13S PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(TSH003301)  (DRRZD 247)
A0115	128	6-07-072: 13N PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(TSH003301)  (DRRZD 247)

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LEASE	HECTARES	LAND DESCRIPTION	
A0116	256	6-07-072: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(TSH003301)  (DRRZD 247)
A0117	128	6-07-072: 24S PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(TSH003301)  (DRRZD 247)
A0118	64	6-07-072: 24NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(TSH003301)  (DRRZD 247)
A0119	512	5-24-084: 1; 2 PETROLEUM AND NATURAL GAS	(ADM001901)
A0120	256	6-01-085: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(SHA007001) (SHA008401)  (DRRZD 58)
--- FOOTHILLS REGION ---			
A0121	256	5-07-034: 4 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(SHA006701) (SHA008301)  (DRRZD 6)
A0122	256	5-07-034: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE ROCK CREEK MBR	(SHA006701) (SHA008301)  (DRRZD 6) (DRRZD 60)
A0123	256	5-08-035: 9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0124	256	5-08-035: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
60	16,272.00	HA TOTALS	END

2016 SEPTEMBER 14

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0125	256	5-09-042: 26 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(SHA006701)  (DRRZD 3)
B0126	1024	5-08-043: 17; 18; 20 5-09-043: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(SHA006701)  (DRRZD 3)
B0127	256	5-08-043: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(IR2000201)  (DRRZD 3)
B0128	512	5-23-052: 14; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(IR2000702) (SHA007001)  (DRRZD 276)
B0129	1792	TRACT ONE 5-25-057: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD  TRACT TWO 5-24-057: 5-7; 17; 18 5-25-057: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(SHA008201)  (DRRZD 21)  (DRRZD 276)
B0130	256	5-22-058: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE BASE OF THE TRIASSIC SYSTEM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BEAVERHILL LAKE GRP EXCEPTING NATURAL GAS IN THE BLUESKY-BULLHEAD	(SHA006701) (SHA008201)  (DRRZD 22) (DRRZD 37)  (DRRZD 5) (ZD 2748-1)
B0131	512	5-23-058: 17; 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (SHA008201)  (DRRZD 21)
B0132	256	5-22-059: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(SHA006701) (SHA008201)  (DRRZD 66)
B0133	256	6-06-074: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE HALFWAY FM	(DRRZD 21) (DRRZD 246)
B0134	1280	5-06-076: 5-9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)



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LICENCE	HECTARES	LAND DESCRIPTION	
B0135	512	6-10-079: 34 6-10-080: 3 PETROLEUM AND NATURAL GAS	
B0136	768		(WPP000901)
	TRACT ONE	6-12-081: 27 6-12-082: 3 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-12-081: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0137	1792		
	TRACT ONE	6-09-082: 27; 34S,NW PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-09-082: 15; 35 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE NOTIKEWIN MBR	(ZD 3338-A)
	TRACT THREE	6-09-082: 22 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE NOTIKEWIN MBR EXCEPTING NATURAL GAS IN THE HALFWAY FM	(ZD 3338-A) (ZD 3338-A)
	TRACT FOUR	6-09-082: 25 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE NOTIKEWIN MBR EXCEPTING NATURAL GAS IN THE STODDART GRP EXCEPTING NATURAL GAS IN THE DEBOLT FM	(ZD 3338-A) (ZD 3338) (ZD 3338)
	TRACT FIVE	6-09-082: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT SIX	6-09-082: 34NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0138	1984		(SHA006701)
	TRACT ONE	6-10-082: 7N 6-11-082: 9N,SE; 10; 11; 12S PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-10-082: 30 6-11-082: 15; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT THREE	6-11-082: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BALDONNEL FM	(DRRZD 84)
B0139	2240		(SHA006701) (WPP000901)
	TRACT ONE	6-11-082: 17N,SE; 20; 29; 32; 33 6-11-083: 1; 2; 12 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-11-082: 34N PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE CHARLIE LAKE FM	(ZD 2952-1)
	TRACT THREE	6-11-082: 34S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BALDONNEL FM	(DRRZD 84)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0140	1792		(SHA006701) (SHA007001)
	TRACT ONE	6-09-083: 5; 17 6-10-083: 12 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-09-083: 7 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE BLUESKY-BULLHEAD	(ZD 3076)
	TRACT THREE	6-09-083: 8 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE BLUESKY-BULLHEAD EXCEPTING NATURAL GAS IN THE KISKATINAW FM	(ZD 3076) (ZD 3076)
	TRACT FOUR	6-09-083: 6 6-10-083: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
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B0141	1728		
	TRACT ONE	5-10-085: 17SW,NE; 18; 19N,SW; 20N,SE; 21N,SW; 27NW; 28; 29 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-10-085: 17NW; 19SE; 20SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SLAVE POINT FM	(DRRZD 18)
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B0142	512		(ADM011501)
		5-10-086: 18SE,NW; 19 5-11-086: 13SE; 24NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
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B0143	512		(ADM011501)
		5-10-086: 18SE,NW; 19 5-11-086: 13SE; 24NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE WABAMUN GRP	(DRRZD 277)
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19	18,240.00	HA TOTALS	<b>END</b>

ZONE DESIGNATIONS APPLICABLE TO THE 2016 SEPTEMBER 14 PUBLIC OFFERING NOTICE

ZD: 247                               ZONE: 2140 VIKING FM  
  
INTERVAL: 990.00 - 1082.00 FEET  
KEY WELL: 00/10-03-065-13W4/0  
LOG TYPE: INDUCTION ELECTRIC

                                  ZONE: 2480 MANNVILLE GRP  
  
INTERVAL: 1150.00 - 1620.00 FEET  
KEY WELL: 00/10-03-065-13W4/0  
LOG TYPE: INDUCTION ELECTRIC

                                  ZONE: 7160 GROSMONT FM  
  
INTERVAL: 1708.00 - 1990.00 FEET  
KEY WELL: 00/11-13-064-14W4/0  
LOG TYPE: INDUCTION ELECTRIC

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ZD: 2748-1                           ZONE: 3052 BLUESKY-BULLHEAD  
  
INTERVAL: 8530.00 - 8926.00 FEET  
KEY WELL: 00/11-14-059-22W5/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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ZD: 2952-1                           ZONE: 5080 CHARLIE LAKE FM  
  
INTERVAL: 4030.00 - 4437.00 FEET  
KEY WELL: 00/07-36-082-11W6/0  
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

                                  ZONE: 6040 STODDART GRP  
  
INTERVAL: 5734.00 - 6193.00 FEET  
KEY WELL: 00/07-36-082-11W6/0  
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

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ZD: 3076                             ZONE: 3052 BLUESKY-BULLHEAD  
  
INTERVAL: 3296.00 - 3648.00 FEET  
KEY WELL: 00/10-08-083-09W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

                                  ZONE: 6060 KISKATINAW FM  
  
INTERVAL: 5365.00 - 5838.00 FEET  
KEY WELL: 00/10-08-083-09W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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ZD: 3338-A                           ZONE: 2660 NOTIKWIN MBR  
  
INTERVAL: 721.50 - 734.00 METRES  
KEY WELL: 00/06-22-082-09W6/0  
LOG TYPE: DUAL INDUCTION SFL

                                  ZONE: 5160 HALFWAY FM  
  
INTERVAL: 1284.00 - 1288.50 METRES  
KEY WELL: 00/06-22-082-09W6/0  
LOG TYPE: DUAL INDUCTION SFL

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ZD: 3338                             ZONE: 6040 STODDART GRP  
  
INTERVAL: 5315.00 - 6240.00 FEET  
KEY WELL: 00/14-24-082-09W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

                                  ZONE: 6120 DEBOLT FM  
  
INTERVAL: 6240.00 - 7108.00 FEET  
KEY WELL: 00/14-24-082-09W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 SEPTEMBER 14 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

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DRRZD: 4                    ZONE: 2480   MANNVILLE GRP  
  
INTERVAL: 2557.00 - 2985.00 FEET  
KEY WELL: 00/06-16-041-08W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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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

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DRRZD: 6                    ZONE: 2140   VIKING FM  
  
INTERVAL: 2600.00 - 2680.00 FEET  
KEY WELL: 00/10-10-042-14W4/0  
LOG TYPE: INDUCTION ELECTRICAL

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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

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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

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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

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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

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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

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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

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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

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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 SEPTEMBER 14 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

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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

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DRRZD: 58                    ZONE: 5000 TRIASSIC SYSTEM

INTERVAL: 3568.00 - 4088.00 FEET  
KEY WELL: 00/10-26-085-04W6/0  
LOG TYPE: DUAL INDUCTION SFL

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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

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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

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DRRZD: 84                    ZONE: 5060 BALDONNEL FM

INTERVAL: 5728.00 - 5764.00 FEET  
KEY WELL: 00/11-21-077-10W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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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

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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

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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

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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

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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

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END

## ADDENDA AND CONTACTS APPLICABLE TO THE 2016 SEPTEMBER 14 PUBLIC OFFERING NOTICE

**ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1**

LEASE A0119

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**

## LAND DESCRIPTION

LICENCE B0142 5-11-086: 13SE; 24NE  
 LICENCE B0143 5-11-086: 13SE; 24NE

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







**SHA006801 COLONIAL NESTING BIRDS**

LAND DESCRIPTION  
LEASE A0099 4-05-044: 1WP

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

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**SHA007001 SPECIAL ACCESS ZONE**

LAND DESCRIPTION  
LEASE A0120  
LICENCE B0128 5-23-052: 14SP  
5-23-052: 14N; 24SEP  
5-23-052: 24W,NEP  
LICENCE B0140 6-09-083: 17NP  
6-10-083: 12NP

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

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**SHA008001 SWAN HILLS GRIZZLY BEAR ZONE**

LEASE A0109  
LEASE A0110  
LEASE A0111  
LEASE A0112  
LEASE A0113

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

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**SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE**

LAND DESCRIPTION  
LICENCE B0129  
LICENCE B0130  
LICENCE B0131  
LICENCE B0132 5-22-059: 2P

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

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ADDENDA AND CONTACTS APPLICABLE TO THE 2016 SEPTEMBER 14 PUBLIC OFFERING NOTICE

**SHA008301 CLEARWATER GRIZZLY BEAR ZONE**

LAND DESCRIPTION

LEASE A0107  
LEASE A0108  
LEASE A0121 5-07-034: 4P  
LEASE A0122 5-07-034: 4P

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

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**SHA008401 CHINCHAGA GRIZZLY BEAR ZONE**

LEASE A0120

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

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**TSH003301 TRUMPETER SWAN HABITAT**

LEASE A0114  
LEASE A0115  
LEASE A0116  
LEASE A0117  
LEASE A0118

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

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

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WPP000901

DUNVEGAN WEST

LAND DESCRIPTION

LICENCE B0136 6-12-081: 27SP  
6-12-081: 27N; 34SWP  
LICENCE B0139 6-11-082: 17NW; 20W; 29SP,NWP  
6-11-082: 29NE; 32; 33N; 34N  
6-11-083: 2S,NP

ALL LAND(S) IS/ARE WITHIN A WILDLAND 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

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END