

2016 FEBRUARY 10

# PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta  
Government

## PUBLIC OFFERING CONTROL COUNTS FOR 2016.02.10

From	To	Total	Area
LEASES: A0001	A0060	60	40,586.8000 ha.
LICENCES: B0061	B0073	13	15,581.0800 ha.
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		73	56,167.8800 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 February 10**.

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 February 10** 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 ---		
A0001	128	4-21-001: 4E PETROLEUM AND NATURAL GAS
A0002	128	4-21-001: 4SW; 5SE PETROLEUM AND NATURAL GAS
A0003	128	4-21-001: 4NW; 5NE PETROLEUM AND NATURAL GAS
A0004	64	4-21-001: 5SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE RUNDLE GRP (DRRZD 27)
A0005	704	4-21-001: 5NW; 7; 18; 19W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE RUNDLE GRP (DRRZD 27)
A0006	128	4-21-001: 17S PETROLEUM AND NATURAL GAS
A0007	128	4-21-001: 17N PETROLEUM AND NATURAL GAS
A0008	128	4-21-001: 19E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE RUNDLE GRP (DRRZD 27)
A0009	128	4-21-001: 20S PETROLEUM AND NATURAL GAS
A0010	128	4-21-001: 20N PETROLEUM AND NATURAL GAS
A0011	48	4-22-001: 25L3, L7, L8 PETROLEUM AND NATURAL GAS TO THE BASE OF THE RUNDLE GRP (DRRZD 27)
A0012	13.6	4-19-009: 30SEP PORTION(S) DESIGNATED AS LAKE NO. 3 ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/06. PETROLEUM AND NATURAL GAS
A0013	256	4-10-014: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)
A0014	256	4-10-014: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS (DRRZD 13) TO THE BASE OF THE MANNVILLE GRP (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0015	256	4-10-014: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0016	256	TRACT ONE 4-10-014: 17N,SE PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE SECOND WHITE SPECKS TO THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 13) (DRRZD 4) (ZD 278)
		TRACT TWO 4-10-014: 17SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 13) (DRRZD 4)
A0017	256	4-18-015: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0018	256	4-13-023: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
A0019	1024	4-09-028: 18; 19 4-10-028: 13; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0020	256	4-10-028: 25 PETROLEUM AND NATURAL GAS	
A0021	512	4-10-028: 27; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0022	256	5-03-029: 2 PETROLEUM AND NATURAL GAS	
A0023	256	4-22-035: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0024	256	4-22-035: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0025	256	4-22-035: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(DRRZD 280) (ZD 225)
A0026	256	4-22-035: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0027	256	4-07-039: 15 PETROLEUM AND NATURAL GAS	

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0028	1152		
	TRACT ONE	4-26-040: 18 4-27-039: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-26-040: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	4-26-039: 28; 29N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0029	256	4-25-040: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0030	256	4-25-040: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0031	256	4-25-040: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0032	256	4-26-040: 32 PETROLEUM AND NATURAL GAS	
A0033	256	5-01-040: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0034	256	4-25-041: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0035	256	4-26-041: 11 PETROLEUM AND NATURAL GAS	
A0036	1792		
	TRACT ONE	4-11-042: 4; 14; 24 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-11-042: 2; 10-12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0037	3840		
TRACT ONE		4-12-042: 16N PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE CAMERON SS	(ZD 1056-1)
TRACT TWO		4-11-042: 6; 18 4-12-042: 2; 11; 12; 14; 18; 20; 22; 24; 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT THREE		4-12-042: 10E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE CAMERON SS	(DRRZD 6) (ZD 1056-1)
TRACT FOUR		4-12-042: 4; 10W; 16S; 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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A0038	3840		
TRACT ONE		4-13-042: 2N,SW; 4E; 16E; 22; 34 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-13-042: 18 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 6)
TRACT THREE		4-13-042: 11 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)
TRACT FOUR		4-12-042: 6 4-13-042: 4W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT FIVE		4-13-042: 2SE; 10; 12; 14; 20; 24N; 28; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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A0039	3328		
TRACT ONE		4-11-043: 14; 24; 28 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-11-043: 10; 12; 16; 20; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT THREE		4-11-043: 11; 18; 22; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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A0040	3584		
TRACT ONE		4-12-043: 2 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-12-043: 11; 14; 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT THREE		4-12-043: 4; 10; 12; 16; 20; 22; 24; 28; 29; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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LEASE	HECTARES	LAND DESCRIPTION	
A0041	1536		
	TRACT ONE	4-13-043: 20; 28-30; 32 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-13-043: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0042	3840		
	TRACT ONE	4-11-044: 2W PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-11-044: 2E; 3; 11; 13-15; 22; 28; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT THREE	4-11-044: 1; 4; 10; 12; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0043	2304		
	TRACT ONE	4-11-044: 7; 16; 17; 30 4-12-044: 11; 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT TWO	4-11-044: 18 4-12-044: 14; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0044	3584		
	TRACT ONE	4-13-044: 14NE; 28 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-13-044: 10 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	4-13-044: 22 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)
	TRACT FOUR	4-13-044: 24; 30; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT FIVE	4-13-044: 2; 4; 11; 12; 14S,NW; 16; 18; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0045	128		
		4-20-046: 14N PETROLEUM AND NATURAL GAS	
A0046	64		
		4-20-047: 20NE PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0047	77.2	4-11-050: 5NP, SEP PORTION(S) DESIGNATED AS BIRCH LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1895/10/07. PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0048	256	4-05-055: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (DRRZD 4)
A0049	64	4-12-055: 14SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(ADM001801) (DRRZD 6)
--- NORTHERN REGION ---			
A0050	256	6-04-062: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(SHA006501) (DRRZD 32)
A0051	256	6-05-068: 20 PETROLEUM AND NATURAL GAS	(SHA006701)
A0052	256	6-06-068: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
A0053	256	6-06-069: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM EXCEPTING NATURAL GAS IN THE HALFWAY FM	(DRRZD 38) (ZD 3639)
A0054	256	6-05-070: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(PNA020401) (SHA006701) (SHA007001) (DRRZD 21)
A0055	256	6-07-071: 19 PETROLEUM AND NATURAL GAS	
A0056	256	6-08-072: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0057	256	5-26-073: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(SHA007001) (DRRZD 37)
A0058	256	6-08-073: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0059	256	6-09-073: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)



PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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LEASE	HECTARES	LAND DESCRIPTION	
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A0060	128	6-09-073: 30W PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 21)    (DRRZD 246)
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60	40,586.80	HA TOTALS	<b>END</b>



2016 FEBRUARY 10

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0061	2048		
	TRACT ONE	4-20-033: 28 4-20-034: 4N, SW, L1, L2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-20-033: 27; 32-35 4-20-034: 1; 4L7, L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0062	1792		
	TRACT ONE	4-21-034: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-20-034: 7; 18 4-21-034: 14; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT THREE	4-20-034: 19 4-21-034: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0063	2114.48		
	TRACT ONE	4-28-038: 30E, WF 5-01-038: 22 25NP, SEP, SW PORTION(S) DESIGNATED AS CYGNET LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/10/31. PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-28-038: 32 4-28-039: 4 5-01-038: 16N, SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT THREE	5-01-038: 16SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 280) (DRRZD 6)
	TRACT FOUR	4-28-038: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE DUVERNAY FM	(DRRZD 6) (DRRZD 286)
	TRACT FIVE	5-01-038: 12N, SW; 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0064	1856		(NAT003301) (SHA006801)
TRACT ONE		4-26-041: 26NE 4-26-042: 2; 10; 11 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-26-042: 12W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
TRACT THREE		4-26-041: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT FOUR		4-26-042: 12E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 280) (DRRZD 6)
TRACT FIVE		4-25-042: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 39) (DRRZD 4)
TRACT SIX		4-26-042: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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B0065	2560		
TRACT ONE		4-28-041: 34 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-27-042: 16; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT THREE		4-27-042: 22 PETROLEUM AND NATURAL GAS IN THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
TRACT FOUR		4-27-042: 29 4-28-042: 4; 11; 14; 22; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
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--- NORTHERN REGION ---			
B0066	384		(SHA006501)
		5-08-062: 31; 32E PETROLEUM AND NATURAL GAS	
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B0067	256		(SHA006501)
		6-04-062: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE TOP OF THE PEACE RIVER FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(DRRZD 208) (DRRZD 40) (DRRZD 32)
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B0068	256		(SHA006501)
		6-04-062: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
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LICENCE	HECTARES	LAND DESCRIPTION	
B0069	768		(SHA007001) (TSH003301)
	TRACT ONE	5-26-074: 2NE; 11; 15 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-074: 2S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0070	1011.84		(SHA007001)
		5-26-074: 9; 16; 17; 18E,WF PETROLEUM AND NATURAL GAS	
B0071	1011.8		(IRS000201) (SHA007001) (TSH003301)
		5-26-074: 19E,WF; 20; 21; 28 PETROLEUM AND NATURAL GAS	
B0072	1010.96		(SHA006701) (SHA007001)
		5-26-074: 31E,WF; 32; 33 5-26-075: 4 PETROLEUM AND NATURAL GAS	
B0073	512		(ADM001901) (SHA006501) (SHA007001)
		5-24-086: 4; 5 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 153)
13	15,581.08	HA TOTALS	<b>END</b>



## ZONE DESIGNATIONS APPLICABLE TO THE 2016 FEBRUARY 10 PUBLIC OFFERING NOTICE

ZD: 225                      ZONE: 3000 GLAUCONITIC SS  
INTERVAL: 4878.00 - 4972.00 FEET  
KEY WELL: 00/10-12-035-22W4/0  
LOG TYPE: INDUCTION ELECTRIC

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ZD: 278                      ZONE: 1860 SECOND WHITE SPECKS  
INTERVAL: 1860.00 - 2032.00 FEET  
KEY WELL: 00/10-17-014-09W4/0  
LOG TYPE: INDUCTION ELECTRIC

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ZD: 1056-1                  ZONE: 3380 CAMERON SS  
INTERVAL: 2836.00 - 2993.00 FEET  
KEY WELL: 00/11-16-042-12W4/0  
LOG TYPE: ELECTRICAL

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ZD: 3639                    ZONE: 5160 HALFWAY FM  
INTERVAL: 2341.00 - 2346.50 METRES  
KEY WELL: 00/06-03-069-06W6/0  
LOG TYPE: BOREHOLE COMPENSATED SONIC

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END





DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 FEBRUARY 10 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

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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: 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: 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: 23                  ZONE: 6960 NISKU FM  
  
INTERVAL: 5023.00 - 5190.00 FEET  
KEY WELL: 00/06-24-050-26W4/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 27                  ZONE: 6100 RUNDLE GRP  
  
INTERVAL: 9040.00 - 9990.00 FEET  
KEY WELL: 00/05-25-029-09W5/0  
LOG TYPE: GAMMA RAY NEUTRON

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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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DRRZD: 32                  ZONE: 5560 BELLOY FM  
  
INTERVAL: 2883.00 - 3105.00 FEET  
KEY WELL: 00/10-24-078-19W5/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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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: 38                  ZONE: 1920 DUNVEGAN FM  
  
INTERVAL: 2566.00 - 3038.00 FEET  
KEY WELL: 00/11-04-074-05W6/0  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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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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DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 FEBRUARY 10 PUBLIC OFFERING NOTICE

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

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DRRZD: 153                    ZONE: 5000 TRIASSIC SYSTEM  
  
INTERVAL: 2573.00 - 2707.00 FEET  
KEY WELL: 00/07-16-083-23W5/2  
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 208                    ZONE: 1860 SECOND WHITE SPECKS  
  
INTERVAL: 2361.00 - 2413.00 METRES  
KEY WELL: 00/06-05-062-04W6/0  
LOG TYPE: DUAL INDUCTION SFL

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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: 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

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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

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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: 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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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

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END

## ADDENDA AND CONTACTS APPLICABLE TO THE 2016 FEBRUARY 10 PUBLIC OFFERING NOTICE

**ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA**

LEASE A0048  
LEASE A0049

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**

LICENCE B0073

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

**IRS000201 STURGEON LAKE-PUSKWASKAU EAST**

LAND DESCRIPTION  
LICENCE B0071 5-26-074: 19N

ALL LAND(S) IS/ARE WITHIN THE STURGEON LAKE-PUSKWASKAU EAST INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIKY  
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 FEBRUARY 10 PUBLIC OFFERING NOTICE

**NAT003301**            **J.J. COLLETT**  
                          LAND DESCRIPTION  
LICENCE B0064 4-26-041: 26NE

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

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**PNA020401**            **WAPITI SAND DUNES**  
                          LAND DESCRIPTION  
LEASE A0054 6-05-070: 23NE

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

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**SHA006501**            **GRIZZLY BEAR ZONE**  
LEASE A0050  
LICENCE B0066  
LICENCE B0067  
LICENCE B0068  
LICENCE B0073

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

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**SHA006701**            **KEY WILDLIFE AND BIODIVERSITY ZONES**  
                          LAND DESCRIPTION  
LEASE A0051 6-05-068: 20SP,NEP  
LEASE A0054 6-05-070: 23S,NP  
LICENCE B0072 5-26-074: 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

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ADDENDA AND CONTACTS APPLICABLE TO THE 2016 FEBRUARY 10 PUBLIC OFFERING NOTICE

**SHA006801 COLONIAL NESTING BIRDS**

LAND DESCRIPTION  
LICENCE B0064 4-26-042: 10WP

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

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**SHA007001 SPECIAL ACCESS ZONE**

LAND DESCRIPTION  
LEASE A0054 6-05-070: 23NP  
LEASE A0057 5-26-073: 24NP  
LICENCE B0069 5-26-074: 2; 11NP,SEP,SW; 15EP,W  
LICENCE B0070 5-26-074: 9; 16; 17SP,NWP,NE; 18NP  
LICENCE B0071 5-26-074: 19N,SE,SWP; 20; 21S,NW,NEP; 28SP  
LICENCE B0072 5-26-074: 31SP  
LICENCE B0073

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

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**TSH003301 TRUMPETER SWAN HABITAT**

LAND DESCRIPTION  
LICENCE B0069 5-26-074: 11NEP; 15NEP  
LICENCE B0071 5-26-074: 19NEP; 20NP

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:

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

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END