

2015 DECEMBER 16

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta 
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2015.12.16

From	To	Total	Area
LEASES: A0057	A0147	91	26,989.3160 ha.
LICENCES: B0148	B0167	20	31,424.0000 ha.

		111	58,413.3160 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 2015 December 16**.

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 **2015 December 16** 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 ---			
A0057	256	4-05-002: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(SHA005101) (SHA005601) (SHA005701) (SHA007601) (DRRZD 4)
A0058	256	4-25-007: 5 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0059	256	4-08-013: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0060	256	4-08-013: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0061	256	4-09-013: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0062	256	4-10-013: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(GZR000401) (DRRZD 13)
A0063	1536		(GZR000401)
	TRACT ONE	4-10-013: 27; 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 12) (ZD 278)
	TRACT TWO	4-10-013: 29S PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 13) (ZD 278)
	TRACT THREE	4-10-013: 29N; 33; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
	TRACT FOUR	4-10-013: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0064	509.52	4-08-014: 29; 30N, SE, SWP PORTION(S) LYING OUTSIDE THE RAILWAY RIGHT OF WAY AS SHOWN ON PLAN 434R. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0065	256	4-09-014: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)

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LEASE	HECTARES	LAND DESCRIPTION	
A0066	256		
	TRACT ONE	4-09-014: 18SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 12) (ZD 278)
	TRACT TWO	4-09-014: 18N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0067	256	4-09-014: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0068	256	4-09-014: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0069	2048		(GZR000401) (HRV002501)
	TRACT ONE	4-10-014: 3S; 4S; 5S; 8N; 9W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 12) (ZD 278)
	TRACT TWO	4-10-014: 6S,NW PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE SECOND WHITE SPECKS	(DRRZD 13) (ZD 278)
	TRACT THREE	4-10-014: 3N; 4N; 5N; 6NE; 7; 8S; 9E; 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0070	256	4-09-015: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0071	256	4-19-016: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0072	768		
	TRACT ONE	4-19-017: 6 4-20-017: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-20-017: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)

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LEASE	HECTARES	LAND DESCRIPTION	
A0073	512		
	TRACT ONE	4-20-017: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
	TRACT TWO	4-20-017: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0074	192	4-24-018: 20S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0075	192	4-24-018: 29N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0076	256	4-25-018: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0077	768	4-08-030: 1; 2; 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MILK RIVER FM	(DRRZD 11)
A0078	1024		
	TRACT ONE	4-19-031: 33; 34 4-19-032: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-19-032: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0079	512		
	TRACT ONE	4-18-032: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT TWO	4-18-032: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0080	256		
	TRACT ONE	5-03-033: 4SW,NE PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 3) (ZD 113)
		EXCEPTING NATURAL GAS IN THE TURNER VALLEY FM	
	TRACT TWO	5-03-033: 4NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3) (ZD 113)
		EXCEPTING NATURAL GAS IN THE TURNER VALLEY FM	
	TRACT THREE	5-03-033: 4SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6) (ZD 113)
		EXCEPTING NATURAL GAS IN THE TURNER VALLEY FM	

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LEASE	HECTARES	LAND DESCRIPTION	
A0081	256		
	TRACT ONE	5-03-034: 28NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)
	TRACT TWO	5-03-034: 28S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0082	128	5-03-034: 30S PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 3) (DRRZD 4)
A0083	640		
	TRACT ONE	5-03-036: 32E PETROLEUM AND NATURAL GAS TO THE TOP OF THE CARDIUM FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP	(DRRZD 3) (DRRZD 13) (DRRZD 280)
	TRACT TWO	5-03-036: 20NE; 30W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT THREE	5-03-036: 29N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 6) (DRRZD 4) (DRRZD 30)
	TRACT FOUR	5-03-036: 30E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 7)
A0084	64	5-03-036: 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0085	256	5-04-036: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0086	256	5-04-036: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
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A0087	256		
	TRACT ONE	5-04-036: 34SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM EXCEPTING NATURAL GAS IN THE RUNDLE GRP	(DRRZD 6) (ZD 275) (ZD 275)
	TRACT TWO	5-04-036: 34NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	5-04-036: 34NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TURNER VALLEY FM	(DRRZD 28)
	TRACT FOUR	5-04-036: 34SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TURNER VALLEY FM EXCEPTING NATURAL GAS IN THE RUNDLE GRP	(DRRZD 28) (ZD 275)

A0088	256		
		5-02-037: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)

A0089	384		
	TRACT ONE	5-04-037: 12NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-04-037: 23SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE SECOND WHITE SPECKS PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 13) (DRRZD 4)
	TRACT THREE	5-04-037: 22SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(DRRZD 6) (ZD 275)
	TRACT FOUR	5-04-037: 23NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE&JURASSIC	(DRRZD 13) (ZD 190-1)
	TRACT FIVE	5-04-037: 12W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE CARDIUM FM	(DRRZD 280) (DRRZD 3)

A0090	128		
		5-04-038: 11S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

A0091	64		
		5-04-038: 18NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 280) (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0092	256		
	TRACT ONE	4-25-042: 32N,SE PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-25-042: 32SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0093	256	4-25-043: 16 PETROLEUM AND NATURAL GAS	
A0094	192	4-04-044: 4N,SW PETROLEUM AND NATURAL GAS	
A0095	256	4-04-044: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(PNA005201) (DRRZD 6)
A0096	256	4-04-044: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0097	256	4-26-047: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0098	160	4-20-048: 4W,L2,L7 PETROLEUM AND NATURAL GAS	
A0099	256	4-26-048: 2 PETROLEUM AND NATURAL GAS	
A0100	256	4-26-048: 6 PETROLEUM AND NATURAL GAS	
A0101	256	4-26-048: 14 PETROLEUM AND NATURAL GAS	
A0102	256	4-26-048: 16 PETROLEUM AND NATURAL GAS	
A0103	192	4-26-048: 22S,NW PETROLEUM AND NATURAL GAS	
A0104	192	4-26-049: 16S,NW PETROLEUM AND NATURAL GAS	
A0105	128	4-26-051: 8W PETROLEUM AND NATURAL GAS	(SHA006801)
A0106	128	4-26-051: 17W PETROLEUM AND NATURAL GAS	
A0107	128	4-26-051: 20E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0108	128	4-26-051: 20W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
A0109	16	4-25-053: 4L11 PETROLEUM AND NATURAL GAS	
A0110	256	5-02-066: 29 PETROLEUM AND NATURAL GAS	(SHA006701) (SHA007001)
--- NORTHERN REGION ---			
A0111	256	5-07-037: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0112	256	5-07-037: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0113	128	5-07-037: 22S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0114	64	5-05-038: 22SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0115	256	5-07-040: 1 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
A0116	256	5-07-040: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0117	128	5-07-040: 33E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(SHA006701) (DRRZD 4)
A0118	128	5-07-040: 34E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUVERNAY-MAJEAU LAKE FM	(DRRZD 287)
A0119	256	5-08-040: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
A0120	256	5-08-040: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0121	256	5-09-040: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)

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LEASE	HECTARES	LAND DESCRIPTION	
A0122	256	5-19-055: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0123	256	5-17-056: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE SHUNDA FM	(DRRZD 60) (DRRZD 29)
A0124	256	5-19-059: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(SHA006501) (SHA006701) (DRRZD 37)
A0125	255.9	5-23-062: 20N,SE,SWP PORTION(S) LYING OUTSIDE THE LITTLE SMOKY CARIBOU SUBUNIT. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE BELLOY FM	(CRG002101) (SIP000601) (DRRZD 21) (DRRZD 32)
A0126	255.9	5-23-062: 20N,SE,SWP PORTION(S) LYING OUTSIDE THE LITTLE SMOKY CARIBOU SUBUNIT. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(CRG002101) (SIP000601) (DRRZD 32)
A0127	128	5-19-063: 29E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 22) (DRRZD 21)
A0128	192	5-22-064: 6N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 21) (DRRZD 37)
A0129	64	5-23-064: 1NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 21) (DRRZD 37)
A0130	512	6-04-066: 27; 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE HALFWAY FM	(ES2000103) (SHA006701) (DRRZD 246)
A0131	256	5-22-067: 26 PETROLEUM AND NATURAL GAS TO THE BASE OF THE WINTERBURN GRP	(IRS000201) (SHA006701) (DRRZD 80)
A0132	256	4-24-068: 8 PETROLEUM AND NATURAL GAS	
A0133	256	6-05-068: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)

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LEASE	HECTARES	LAND DESCRIPTION	
A0134	256	5-21-073: 32 PETROLEUM AND NATURAL GAS	
A0135	256	6-13-074: 9 PETROLEUM AND NATURAL GAS	(TSH003301)
A0136	256	6-09-077: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(DRRZD 40)
A0137	256	6-09-077: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(DRRZD 40)
A0138	256	6-09-077: 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DOE CREEK MBR	(TSH003301) (DRRZD 25)
A0139	256	5-22-080: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(ADM001901) (DRRZD 111)
A0140	256	5-18-081: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(ADM011501) (SHA007001) (DRRZD 40)
A0141	256	5-19-082: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(ADM011501) (DRRZD 40)
A0142	256	5-24-082: 19 PETROLEUM AND NATURAL GAS	(ADM001901)
A0143	192	6-08-082: 3NW; 9W PETROLEUM AND NATURAL GAS	
A0144	128	5-14-083: 31S PETROLEUM AND NATURAL GAS	(ADM011501)
A0145	512	6-09-084: 33; 34 PETROLEUM AND NATURAL GAS	
A0146	256	5-03-089: 9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE GRANITE WASH	(ADM011601) (DRRZD 41)
--- Foothills Region ---			
A0147	256	5-10-039: 19 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(IR2000201) (IR2001401) (SHA006501) (SHA006701) (DRRZD 3)
91	26,989.32	HA TOTALS	END

2015 DECEMBER 16

LEASE	HECTARES	LAND DESCRIPTION
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2015 DECEMBER 16

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0148	1536	4-18-032: 7 4-19-032: 14; 15; 22; 23; 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
B0149	1536		(NAT014101) (NAT014107)
	TRACT ONE	4-18-032: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-18-032: 29-31 4-19-033: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT THREE	4-19-033: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
--- NORTHERN REGION ---			
B0150	1536		
	TRACT ONE	5-06-040: 22N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
	TRACT TWO	5-06-040: 22SW; 27; 33; 34 5-06-041: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	5-06-041: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0151	256		(IR2000201) (SHA006701)
		5-07-041: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0152	2560		(ES4000102) (NAT013201)
	TRACT ONE	5-16-053: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	5-16-053: 15; 16 PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT THREE	5-16-053: 17; 21-26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0153	4480		(SHA006701)
TRACT ONE		5-11-054: 18; 19; 30; 31 5-12-054: 13S,NE; 14; 24; 25; 33; 34E; 35; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT TWO		5-12-054: 1; 2; 11N,SE; 26-28; 34W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
B0154	3072		(SHA006501) (SHA006701) (TSH003301)
TRACT ONE		5-12-060: 11-14; 23-25; 26S,NE; 27S; 36E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
TRACT TWO		5-12-060: 26NW; 27NE; 34N,SE; 35; 36SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE BEAVERHILL LAKE GRP	(DRRZD 277) (ZD 178-A)
TRACT THREE		5-12-060: 27NW; 34SW; 36NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BEAVERHILL LAKE GRP	(DRRZD 5)
B0155	2880		(SHA006501) (SHA006701) (TSH003301)
TRACT ONE		5-12-060: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 4) (DRRZD 277)
TRACT TWO		5-12-060: 11; 13S; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR TO THE BASE OF THE WABAMUN GRP	(DRRZD 66) (DRRZD 277)
TRACT THREE		5-12-060: 12S PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE PEKISKO FM TO THE BASE OF THE WABAMUN GRP EXCEPTING NATURAL GAS IN THE PEKISKO FM	(DRRZD 30) (DRRZD 277) (ZD 279-A)
TRACT FOUR		5-12-060: 12N; 13N; 23; 25; 26; 27S,NE; 34N,SE; 35; 36S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 30) (DRRZD 277)
B0156	3328		(SHA006501)
		5-13-062: 34 5-13-063: 2; 10-14; 22-24; 26; 27; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)

2015 DECEMBER 16

LICENCE	HECTARES	LAND DESCRIPTION	
B0157	3328		(SHA006501)
	TRACT ONE	5-13-063: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 6) (DRRZD 277)
	TRACT TWO	5-13-062: 34 5-13-063: 2; 10-14; 22-24; 26; 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 30) (DRRZD 277)
B0158	512		(ES2000103) (ES4000103) (SHA006501) (SHA006701)
		6-03-062: 33 6-03-063: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE FERNIE GRP	(DRRZD 38) (DRRZD 276)

2015 DECEMBER 16

LICENCE	HECTARES	LAND DESCRIPTION	
B0159	2560		(IRS000201) (SHA006701)
TRACT ONE		5-22-068: 14S,NE,L12,L13; 23SW; 33NE,L2,L7 PETROLEUM AND NATURAL GAS	
TRACT TWO		5-22-068: 33W; 36L10,L15 5-22-069: 1SW; 2SE,NW,L10,L15; 3SE; 4NW,L2,L4,L5, L7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BADHEART-MUSKIKI	(DRRZD 275)
TRACT THREE		5-22-068: 36L1,L3,L6,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BADHEART-MUSKIKI TO THE BASE OF THE WINTERBURN GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 275) (DRRZD 80) (DRRZD 67)
TRACT FOUR		5-22-068: 23L1,L8 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 37) (DRRZD 67)
TRACT FIVE		5-22-068: 23NW,L2,L7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 207) (DRRZD 67)
TRACT SIX		5-22-068: 24S; 25N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
TRACT SEVEN		5-22-068: 36L2,L4,L5,L7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BADHEART-MUSKIKI TO THE BASE OF THE NORDEGG MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 275) (DRRZD 207) (DRRZD 67)
TRACT EIGHT		5-22-068: 14L11,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
TRACT NINE		5-22-068: 23NE; 24N; 25SE; 33L1,L8; 36NW,L9,L16 5-22-069: 1N,SE; 2SW,L9,L16; 3N,SW; 4NE,L1,L3,L6, L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 67)
B0160	768	6-01-068: 13-15 PETROLEUM AND NATURAL GAS	(SHA006701)
B0161	256	6-08-072: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(HRV002001) (TSH003301) (DRRZD 251)
B0162	256	6-09-073: 3 PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 276) (DRRZD 246)

2015 DECEMBER 16

LICENCE	HECTARES	LAND DESCRIPTION	
B0163	256	6-09-073: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(TSH003301) (DRRZD 251)
B0164	256	TRACT ONE 6-09-073: 10W PETROLEUM AND NATURAL GAS TO THE TOP OF THE HALFWAY FM TRACT TWO 6-09-073: 10NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM TRACT THREE 6-09-073: 10SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP	 (DRRZD 246) (DRRZD 251) (DRRZD 251) (DRRZD 276)
B0165	256	6-09-073: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	 (DRRZD 251)
B0166	1024	TRACT ONE 6-10-073: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM TRACT TWO 6-10-073: 15; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM TRACT THREE 6-10-073: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(TSH003301) (DRRZD 22) (DRRZD 251) (DRRZD 246) (DRRZD 251)
B0167	768	6-05-074: 31; 32 6-06-074: 36 PETROLEUM AND NATURAL GAS	(SHA007001)
20	31,424.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

ZD: 113 ZONE: 6300 TURNER VALLEY FM

INTERVAL: 8178.00 - 8281.00 FEET
KEY WELL: 00/07-29-032-03W5/0
LOG TYPE: NOT IDENTIFIED

ZD: 178-A ZONE: 7440 BEAVERHILL LAKE GRP

INTERVAL: 8480.00 - 8800.00 FEET
KEY WELL: 00/10-14-061-12W5/0
LOG TYPE: MICROLOG

ZD: 190-1 ZONE: 3106 LOWER MANNVILLE&JURASSIC

INTERVAL: 6984.00 - 7036.00 FEET
KEY WELL: 00/06-34-037-03W5/0
LOG TYPE: INDUCTION ELECTRICAL

 ZONE: 3113 L MANNVILLE - ROCK CREEK

INTERVAL: 6984.00 - 7036.00 FEET
KEY WELL: 00/06-34-037-03W5/0
LOG TYPE: INDUCTION ELECTRICAL

 ZONE: 6380 ELKTON MBR

INTERVAL: 7049.00 - 7077.00 FEET
KEY WELL: 00/06-34-037-03W5/0
LOG TYPE: INDUCTION ELECTRICAL

ZD: 275 ZONE: 6100 RUNDLE GRP

INTERVAL: 7570.00 - 7843.00 FEET
KEY WELL: 00/04-05-037-03W5/0
LOG TYPE: INDUCTION ELECTRIC

 ZONE: 3100 LOWER MANNVILLE FM

INTERVAL: 7695.00 - 7910.00 FEET
KEY WELL: 00/02-33-036-04W5/0
LOG TYPE: INDUCTION ELECTRIC

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

ZD: 279-A ZONE: 6420 PEKISKO FM

INTERVAL: 5120.00 - 5230.00 FEET
KEY WELL: 00/04-01-060-12W5/0
LOG TYPE: INDUCTION ELECTRIC

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2015 DECEMBER 16 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: 7 ZONE: 7200 LEDUC FM

INTERVAL: 6418.00 - 7033.00 FEET
KEY WELL: 00/06-20-041-24W4/0
LOG TYPE: GAMMA RAY-SONIC

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: 11 ZONE: 1580 MILK RIVER FM

INTERVAL: 677.00 - 972.00 FEET
KEY WELL: 00/15-02-014-05W4/0
LOG TYPE: ELECTRICAL

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: 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 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

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: 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: 29 ZONE: 6400 SHUNDA FM

INTERVAL: 11048.00 - 11229.00 FEET
KEY WELL: 00/07-24-041-12W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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: 32 ZONE: 5560 BELLOY FM

INTERVAL: 2883.00 - 3105.00 FEET
KEY WELL: 00/10-24-078-19W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DRRZD: 37 ZONE: 5000 TRIASSIC SYSTEM

INTERVAL: 6948.00 - 7042.00 FEET
KEY WELL: 00/10-07-062-19W5/0
LOG TYPE: DUAL INDUCTION FOCUSED

DRRZD: 38 ZONE: 1920 DUNVEGAN FM

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

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: 41 ZONE: 7975 GRANITE WASH

INTERVAL: 4782.00 - 4904.00 FEET
KEY WELL: 00/14-22-087-08W5/0
LOG TYPE: ACOUSTILOG

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

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: 67 ZONE: 7200 LEDUC FM

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

DRRZD: 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: 111 ZONE: 5000 TRIASSIC SYSTEM

INTERVAL: 2773.00 - 2964.00 FEET
KEY WELL: 00/15-25-080-23W5/0
LOG TYPE: ELECTRICAL

DRRZD: 207 ZONE: 4440 NORDEGG MBR

INTERVAL: 2038.00 - 2063.00 METRES
KEY WELL: 00/11-06-066-24W5/0
LOG TYPE: DUAL INDUCTION SFL

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: 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: 275 ZONE: 1670 BADHEART-MUSKIKI

INTERVAL: 1259.70 - 1306.00 METRES
KEY WELL: 00/06-13-067-08W6/0
LOG TYPE: DUAL INDUCTION FOCUSED

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

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

DRRZD: 287

ZONE: 7285 DUVERNAY-MAJEAU LAKE FM

INTERVAL: 3274.00 - 3334.00 METRES

KEY WELL: 00/03-32-063-22W5/0

LOG TYPE: COMPENSATED NEUTRON LITHOLOGY DENSITY

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0139
LEASE A0142

ALL LAND(S) IS/ARE WITHIN AN OIL SANDS AREA AS DESIGNATED BY THE ENERGY RESOURCES CONSERVATION BOARD (ERCB). SOLUTION GAS IS EXPRESSLY EXCLUDED FROM THE PETROLEUM AND NATURAL GAS RIGHTS GRANTED UNDER CROWN AGREEMENTS ISSUED IN RESPECT OF OIL SANDS AREAS. MOREOVER, PRODUCTION OF GAS FROM THE LAND(S) IN THIS AGREEMENT MAY BE DISALLOWED OR PRECLUDED BY ORDER OF THE ERCB OR OTHERWISE, ON THE GROUNDS THAT SUCH PRODUCTION MAY DETRIMENTALLY AFFECT THE RECOVERABILITY OF OIL SANDS FROM THOSE LANDS. BY ACCEPTING THIS AGREEMENT FOR THE PETROLEUM AND NATURAL GAS RIGHTS IN THESE LANDS, THE LESSEE/LICENSEE HEREBY ACKNOWLEDGES ALL OF THE ABOVE, AND THAT PRODUCTION OF GAS FROM THE LANDS IN THIS AGREEMENT MAY BY ORDER OF THE ERCB OR OTHERWISE BE PRECLUDED OR DISALLOWED, AND HEREBY WAIVES ANY RECOURSE, ACTION, CAUSE OF ACTION OR CLAIM THAT THE LESSEE/LICENSEE MAY HAVE AGAINST THE CROWN IN RIGHT OF ALBERTA AS A RESULT OF OR IN RELATION TO ITS INABILITY FOR ANY OF THE ABOVE REASONS OR FOR ANY OTHER REASON WHATSOEVER TO PRODUCE GAS FROM THE LANDS IN THIS AGREEMENT. FOR THE DEFINITION OF SOLUTION GAS AND OTHER RELEVANT INFORMATION, PLEASE REFER TO INFORMATION LETTER 99-38. FOR CURRENT POLICY ON NATURAL GAS PRODUCTION IN THE OIL SANDS ZONES IDENTIFIED WITHIN OIL SANDS AREAS, PLEASE REFER TO ERCB INTERIM DIRECTIVE 99-01.

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DONNA CRAWFORD
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 427-8933

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0140
LEASE A0141
LEASE A0144

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 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

SHA005101 MILK RIVER VALLEY - EAST

LAND DESCRIPTION

LEASE A0057 4-05-002: 6S,NE

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

TERRY HOOD
RANGELAND AGROLOGIST
MEDICINE HAT CENTRAL OFFICE - RANGELAND DISTRICT DEPT. OF SUSTAINABLE
RESOURCE DEV
346 3 ST SE FLOOR 1
MEDICINE HAT AB T1A 0G7 (403) 529-3677

SHA005601 GREATER SAGE GROUSE HABITAT

LAND DESCRIPTION

LEASE A0057 4-05-002: 6L14,L15,L16P

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

JOEL NICHOLSON
SENIOR SPECIES AT RISK BIOLOGIST
MEDICINE HAT OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
346 3 ST SE ROOM 301
MEDICINE HAT AB T1A 0G7 (403) 528-5202

SHA005701 SWIFT FOX RANGE

LEASE A0057

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JOEL NICHOLSON
SENIOR SPECIES AT RISK BIOLOGIST
MEDICINE HAT OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
346 3 ST SE ROOM 301
MEDICINE HAT AB T1A 0G7 (403) 528-5202

SHA006501 GRIZZLY BEAR ZONE

LAND DESCRIPTION

LEASE A0124

LEASE A0147

LICENCE B0154 5-12-060: 11NP; 12NP,SEP; 13; 14; 23-27; 34-36

LICENCE B0155 5-12-060: 11NP; 12NP,SEP; 13; 14; 23-26; 27S,NE; 34N,SE; 35;
36S,NE

LICENCE B0156

LICENCE B0157

LICENCE B0158

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 2015 DECEMBER 16 PUBLIC OFFERING NOTICE

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

	LAND DESCRIPTION
LEASE A0110	
LEASE A0117	5-07-040: 33EP
LEASE A0124	5-19-059: 17NP,SE,SWP
LEASE A0130	
LEASE A0131	5-22-067: 26E,WP
LEASE A0147	5-10-039: 19P
LICENCE B0151	5-07-041: 19EP,W
LICENCE B0153	5-12-054: 26NWP; 27NEP; 33EP; 34SP,N; 35SP,NW,NEP
LICENCE B0154	5-12-060: 11S,NP; 12S,NP
LICENCE B0155	5-12-060: 11S,NP; 12S,NP
LICENCE B0158	
LICENCE B0159	5-22-068: 24E,WP; 25E,WP; 36E,NWP,L3P,L4P,L5P
	5-22-069: 1NP,SE,SWP
LICENCE B0160	6-01-068: 13; 14; 15S,NWP,NE

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

SHA006801 COLONIAL NESTING BIRDS

	LAND DESCRIPTION
LEASE A0105	4-26-051: 8WP

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 A0110	5-02-066: 29E,WP
LEASE A0140	5-18-081: 6SP
LICENCE B0167	6-06-074: 36EP,W

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

SHA007601 GREATER SAGE GROUSE HABITAT

LAND DESCRIPTION
LEASE A0057 4-05-002: 6SP,N

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JOEL NICHOLSON
SENIOR SPECIES AT RISK BIOLOGIST
MEDICINE HAT OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
346 3 ST SE ROOM 301
MEDICINE HAT AB T1A 0G7 (403) 528-5202

SIP000601 BERLAND SMOKY INDUSTRIAL ACCESS CORRIDOR PLAN

LAND DESCRIPTION
LEASE A0125 5-23-062: 20SW
LEASE A0126 5-23-062: 20SW

ALL LAND(S) IS/ARE WITHIN THE BERLAND SMOKY INDUSTRIAL ACCESS CORRIDOR PLAN (2008) AND IS SUBJECT TO ESRD INFORMATION LETTER 2008-05.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE HUGELSCHAFFER
SECTION HEAD
EDSON OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE RESOURCE DEV
RANGELAND DISTRICT
111 54 ST FLOOR 1
EDSON AB T7E 1T2 (780) 865-8267

TSH003301 TRUMPETER SWAN HABITAT

LAND DESCRIPTION
LEASE A0135 6-13-074: 9SP,N
LEASE A0138 6-09-077: 3NWP
LICENCE B0154 5-12-060: 26NWP; 27NP; 34NP,SE,SWP; 35WP
LICENCE B0155 5-12-060: 26NWP; 27NEP; 34NP,SE; 35WP
LICENCE B0161 6-08-072: 22NP,SEP
LICENCE B0163 6-09-073: 8SWP
LICENCE B0166 6-10-073: 23NWP

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

END