

2018 NOVEMBER 28

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2018.11.28

From	To	Total	Area
LEASES: A0138	A0209	72	13,881.6400 ha.
LICENCES: B0210	B0224	15	36,544.0000 ha.

		87	50,425.6400 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 2018 November 28**.

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 **2018 November 28** 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 ---			
A0138	256	4-10-011: 7N; 18S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(SHA008601) (DRRZD 8)
A0139	256	4-13-011: 6 PETROLEUM AND NATURAL GAS	
A0140	64	4-13-011: 20SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0141	224	4-16-012: 16L3-L5,L12-L14; 17S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0142	256	4-12-025: 11E; 12N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0143	512	5-02-026: 6 5-03-026: 2 PETROLEUM AND NATURAL GAS	
A0144	64	4-08-027: 24SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0145	256	5-03-027: 12E; 22E PETROLEUM AND NATURAL GAS	
A0146	192	5-03-028: 16S,NE PETROLEUM AND NATURAL GAS	
A0147	640	TRACT ONE 4-20-029: 33NW PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE BASAL BELLY RIVER SD EXCEPTING NATURAL GAS IN THE VIKING FM EXCEPTING NATURAL GAS IN THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE PEKISKO FM EXCEPTING NATURAL GAS IN THE BANFF FM	(ZD 2452) (ZD 2452) (ZD 2452) (ZD 2452) (ZD 2452)
		TRACT TWO 4-20-029: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		TRACT THREE 4-20-029: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
		TRACT FOUR 4-20-029: 33NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 9)

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LEASE	HECTARES	LAND DESCRIPTION	
A0148	64	4-24-029: 4NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)
A0149	256	4-14-032: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0150	256	4-15-032: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(SHA007201) (DRRZD 13)
A0151	512	TRACT ONE 4-15-032: 30 PETROLEUM AND NATURAL GAS TRACT TWO 4-15-032: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(SHA002801) (SHA007201) (DRRZD 6)
A0152	64	4-23-033: 14NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 6) (DRRZD 4)
A0153	768	TRACT ONE 4-14-035: 10; 15 PETROLEUM AND NATURAL GAS TRACT TWO 4-14-035: 14S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TRACT THREE 4-14-035: 14NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	 (DRRZD 6) (DRRZD 4)
A0154	256	4-26-036: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)
A0155	256	4-23-037: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0156	5.6	4-24-037: 13NWP PORTION(S) SHOWN AS A LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1894/03/09. PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2724)
A0157	64	4-24-038: 10SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(HRV003701) (DRRZD 39)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0158	128		(HRV003701)
	TRACT ONE	4-24-038: 10NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-24-038: 14SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0159	64	4-24-038: 22SW PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE NISKU FM	(DRRZD 23)
A0160	256	4-02-039: 32 PETROLEUM AND NATURAL GAS	
A0161	64	4-24-039: 10NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0162	128	4-24-039: 36E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0163	64	4-24-040: 11NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0164	64	4-24-040: 12SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0165	64	4-24-040: 16NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0166	80	4-24-040: 28NE, L11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0167	128		
	TRACT ONE	4-24-040: 29L2, L7-L10, L15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT TWO	4-24-040: 29L1, L16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 7)
A0168	64		
	TRACT ONE	5-01-040: 30L5, L6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE VIKING FM	(DRRZD 280) (DRRZD 6)
	TRACT TWO	5-01-040: 30L3, L4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0169	192	4-23-042: 32S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0170	128	4-23-043: 16E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0171	116.04	4-05-045: 17P PORTION(S) DESIGNATED AS BAXTER LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1906/01/13. PETROLEUM AND NATURAL GAS	
A0172	32	4-01-050: 34L7,L8 PETROLEUM AND NATURAL GAS	
A0173	32	4-03-051: 14L3,L4 PETROLEUM AND NATURAL GAS	
A0174	16	4-01-052: 4L14 PETROLEUM AND NATURAL GAS	
A0175	16	4-01-052: 10L12 PETROLEUM AND NATURAL GAS	
A0176	32	4-01-052: 16L3,L4 PETROLEUM AND NATURAL GAS	
A0177	16	4-01-052: 18L15 PETROLEUM AND NATURAL GAS	
A0178	256	5-01-052: 10 PETROLEUM AND NATURAL GAS	
A0179	256	5-01-052: 16 PETROLEUM AND NATURAL GAS	
--- NORTHERN REGION ---			
A0180	64	5-06-040: 21NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
A0181	128	5-06-040: 23N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(DRRZD 3) (DRRZD 6)
A0182	128	5-16-054: 15W PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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LEASE	HECTARES	LAND DESCRIPTION	
A0183	256		
		TRACT ONE	
		5-18-055: 17SW	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		CARDIUM FM	(DRRZD 3)
		TRACT TWO	
		5-18-055: 17N,SE	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		SHUNDA FM	(DRRZD 29)
A0184	256		
		5-18-055: 18	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		CARDIUM FM	(DRRZD 3)
A0185	256		(ESZ000101)
		5-16-056: 9	
		PETROLEUM AND NATURAL GAS	
A0186	768		(ESZ000101)
			(SHA006701)
		5-26-065: 13; 24; 25	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
A0187	192		
		6-07-067: 4N,SE	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		MONTNEY FM	(DRRZD 264)
A0188	64		(SHA006701)
		5-21-069: 11NE	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0189	256		
		4-20-070: 28	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		EXCEPTING NATURAL GAS IN THE GRAND RAPIDS FM	(ZD 3367)
		EXCEPTING NATURAL GAS IN THE WABISKAW-WABAMUN	(ZD 3367)
A0190	256		(SHA006701)
		6-11-070: 36	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		PEACE RIVER FM	(DRRZD 40)
		TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		HALFWAY FM	(DRRZD 246)
A0191	64		
		5-23-071: 20SE	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		WABAMUN GRP	(DRRZD 277)
A0192	256		
		6-11-071: 6	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		DUNVEGAN FM	(DRRZD 38)
A0193	128		
		6-08-072: 8W	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE DOIG FM	(DRRZD 251)
A0194	256		(TSH003401)
			(TSH003501)
		6-11-072: 8	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		HALFWAY FM	(DRRZD 246)

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LEASE	HECTARES	LAND DESCRIPTION	
A0195	256	6-12-072: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0196	256	6-12-072: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0197	192	5-08-077: 31E; 32NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0198	256	TRACT ONE 6-11-078: 36N,SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE HALFWAY FM	(DRRZD 246)
		TRACT TWO 6-11-078: 36SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0199	256	6-10-079: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0200	64	5-24-080: 22NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(ADM001901) (DRRZD 111)
A0201	256	6-10-080: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(GZR002901) (TSH003401) (TSH003501) (DRRZD 247)
A0202	256	6-10-080: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(TSH003501) (DRRZD 247)
A0203	128	6-11-080: 30S PETROLEUM AND NATURAL GAS	
A0204	256	6-12-081: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
A0205	256	6-12-081: 28 PETROLEUM AND NATURAL GAS	(WPP000901)
A0206	256	6-12-081: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0207	256	6-12-081: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
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A0208	128	6-10-082: 7S PETROLEUM AND NATURAL GAS	

A0209	64	6-13-088: 11NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(SHA008401) (DRRZD 247)

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LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0210	7872		
	TRACT ONE	5-09-051: 31-33 5-09-052: 4; 5S; 6NE; 16-20; 29-31 5-10-051: 35; 36 5-10-052: 1; 10SE; 13; 23 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-09-052: 9N PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(ZD 165)
	TRACT THREE	5-10-052: 10N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT FOUR	5-09-052: 8; 9S 5-10-051: 34 5-10-052: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT FIVE	5-10-052: 2-4; 9; 11; 14-16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0211	6656		(FRP000301)
TRACT ONE		5-11-052: 12SE PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
		EXCEPTING NATURAL GAS IN THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
TRACT TWO		5-11-052: 8S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
		EXCEPTING NATURAL GAS IN THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
TRACT THREE		5-11-052: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 4)
		EXCEPTING NATURAL GAS IN THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
TRACT FOUR		5-10-052: 7S 5-11-052: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FIVE		5-11-052: 1 PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
		EXCEPTING NATURAL GAS IN THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
TRACT SIX		5-11-052: 2; 10; 14E; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		EXCEPTING NATURAL GAS IN THE L MANNVILLE - ROCK CREEK	(ZD 3092-1)
TRACT SEVEN		5-10-052: 7N; 18; 19; 30; 31 5-11-052: 8N; 12N,SW; 13; 14W; 17; 22; 24; 25; 28; 33-36 5-11-053: 3; 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
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B0212	6912		
TRACT ONE		5-10-052: 21; 22; 25; 27; 29; 32; 33; 35N 5-10-053: 1S; 12E PETROLEUM AND NATURAL GAS	
TRACT TWO		5-10-053: 1N PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT THREE		5-10-052: 20; 28; 34; 35S 5-10-053: 5; 6; 7N,SE; 8-10; 12W; 16; 18 5-11-053: 1; 11; 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT FOUR		5-10-053: 17 PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE NORDEGG MBR	(DRRZD 66)
TRACT FIVE		5-10-053: 7SW; 11; 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0213	7424		
		TRACT ONE	
		5-11-053: 17; 19; 26; 27	
		5-12-053: 24	
		PETROLEUM AND NATURAL GAS	
		TRACT TWO	
		5-12-053: 1N	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		CARDIUM FM	(DRRZD 3)
		TRACT THREE	
		5-12-053: 10	
		PETROLEUM AND NATURAL GAS	
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE	
		MANNVILLE GRP	(DRRZD 4)
		TRACT FOUR	
		5-12-053: 12S	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		VIKING FM	(DRRZD 6)
		TRACT FIVE	
		5-11-052: 29	
		PETROLEUM AND NATURAL GAS	
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE	
		MANNVILLE GRP	(DRRZD 4)
		EXCEPTING NATURAL GAS IN THE	
		L MANNVILLE - ROCK CREEK	(ZD 3092-1)
		TRACT SIX	
		5-12-053: 15; 22; 23	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE VIKING FM	(DRRZD 6)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		ROCK CREEK MBR	(DRRZD 60)
		TRACT SEVEN	
		5-12-053: 1S; 12N	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		VIKING FM	(DRRZD 6)
		TRACT EIGHT	
		5-11-053: 9; 28	
		5-12-053: 11NE	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		MANNVILLE GRP	(DRRZD 4)
		TRACT NINE	
		5-12-053: 11S,NW	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		NORDEGG MBR	(DRRZD 66)
		TRACT TEN	
		5-11-052: 31; 32	
		5-11-053: 5-8; 15; 18	
		5-12-053: 2; 3; 13	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		ROCK CREEK MBR	(DRRZD 60)
		TRACT ELEVEN	
		5-11-053: 21; 22	
		PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE	
		NORDEGG MBR	(DRRZD 66)
		TRACT TWELVE	
		5-12-053: 14	
		PETROLEUM AND NATURAL GAS	
		TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		BANFF FM	(DRRZD 57)
B0214	512		
		5-08-053: 21; 33	
		PETROLEUM AND NATURAL GAS	

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LICENCE	HECTARES	LAND DESCRIPTION	
B0215	256		
	TRACT ONE	6-01-064: 28E PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(DRRZD 174)
	TRACT TWO	6-01-064: 28W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE PEKISKO FM	(DRRZD 21) (DRRZD 174)
B0216	1280		
	TRACT ONE	5-26-065: 8 5-27-065: 13 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-065: 18; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT THREE	5-26-065: 17 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0217	512		(SHA006701)
	TRACT ONE	6-01-065: 16 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-01-065: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0218	512		
	TRACT ONE	6-07-067: 5S; 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
	TRACT TWO	6-07-067: 5N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(DRRZD 32)
B0219	256		
	TRACT ONE	6-07-067: 7NE, L11, L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD EXCEPTING PETROLEUM AND NATURAL GAS IN THE MONTNEY FM	(DRRZD 21) (DRRZD 264)
	TRACT TWO	6-07-067: 7S, L12, L13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0220	512		
		6-07-067: 19; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0221	512		(TSH003501)
		6-07-067: 28; 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0222	768		
		6-08-067: 12; 13; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)

2018 NOVEMBER 28

LICENCE	HECTARES	LAND DESCRIPTION	
B0223	2304		(TSH003401) (TSH003501)
	TRACT ONE	6-09-079: 36 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-09-079: 22W; 23; 28S,NW 6-09-080: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
	TRACT THREE	6-09-079: 26; 28NE; 32N; 33-35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)

B0224	256	6-10-079: 6 PETROLEUM AND NATURAL GAS TO THE TOP OF THE DOIG FM	(DRRZD 251)

15	36,544.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

ZD: 165 ZONE: 0640 PASKAPOO FM

INTERVAL: 600.00 - 873.00 FEET
KEY WELL: 00/10-18-051-08W5/0
LOG TYPE: ELECTRICAL

 ZONE: 3000 GLAUCONITIC SS

INTERVAL: 6098.00 - 6130.00 FEET
KEY WELL: 00/10-18-051-08W5/0
LOG TYPE: ELECTRICAL

 ZONE: 4440 NORDEGG MBR

INTERVAL: 6264.00 - 6364.00 FEET
KEY WELL: 00/10-18-051-08W5/0
LOG TYPE: MICROLOG

 ZONE: 6420 PEKISKO FM

INTERVAL: 6364.00 - 6411.00 FEET
KEY WELL: 00/10-18-051-08W5/0
LOG TYPE: GAMMA RAY

ZD: 2452 ZONE: 6440 BANFF FM

INTERVAL: 4513.00 - 4970.00 FEET
KEY WELL: 00/07-03-031-20W4/0
LOG TYPE: SONIC GAMMA RAY

 ZONE: 1340 BASAL BELLY RIVER SD

INTERVAL: 2177.00 - 2261.00 FEET
KEY WELL: 00/10-24-032-21W4/0
LOG TYPE: INDUCTION ELECTRIC

 ZONE: 2140 VIKING FM

INTERVAL: 4076.00 - 4224.00 FEET
KEY WELL: 00/10-35-029-22W4/0
LOG TYPE: INDUCTION ELECTRIC

 ZONE: 2480 MANNVILLE GRP

INTERVAL: 4290.00 - 4769.00 FEET
KEY WELL: 00/06-23-030-22W4/0
LOG TYPE: INDUCTION ELECTRIC

 ZONE: 6420 PEKISKO FM

INTERVAL: 4769.00 - 4809.00 FEET
KEY WELL: 00/06-23-030-22W4/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 2724 ZONE: 2140 VIKING FM

INTERVAL: 4478.00 - 4616.00 FEET
KEY WELL: 00/10-08-037-23W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

ZD: 3092-1 ZONE: 3113 L MANNVILLE - ROCK CREEK

INTERVAL: 6724.00 - 6890.00 FEET
KEY WELL: 00/07-10-052-11W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

APPENDIX 1

PAGE 2

ZONE DESIGNATIONS APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

ZD: 3367

ZONE: 2620 GRAND RAPIDS FM

INTERVAL: 1080.00 - 1321.00 FEET

KEY WELL: 00/06-16-071-20W4/0

LOG TYPE: INDUCTION ELECTRICAL

ZONE: 3061 WABISKAW-WABAMUN

INTERVAL: 1585.00 - 1684.00 FEET

KEY WELL: 00/06-16-071-20W4/0

LOG TYPE: GAMMA RAY NEUTRON

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 NOVEMBER 28 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: 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: 9 ZONE: 6440 BANFF FM

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

DRRZD: 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

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

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

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: 57 ZONE: 6440 BANFF FM

INTERVAL: 4247.00 - 4776.00 FEET
KEY WELL: 00/02-24-056-05W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 60 ZONE: 4320 ROCK CREEK MBR

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

DRRZD: 66 ZONE: 4440 NORDEGG MBR

INTERVAL: 5610.00 - 5670.00 FEET
KEY WELL: 00/10-12-055-09W5/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

DRRZD: 111 ZONE: 5000 TRIASSIC SYSTEM

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

DRRZD: 174 ZONE: 6420 PEKISKO FM

INTERVAL: 6468.00 - 6654.00 FEET
KEY WELL: 00/10-27-067-22W5/0
LOG TYPE: ELECTRICAL

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

DRRZD: 247 ZONE: 5080 CHARLIE LAKE FM

INTERVAL: 2372.00 - 2448.50 METRES
KEY WELL: 00/10-19-068-06W6/0
LOG TYPE: DUAL INDUCTION SFL

DRRZD: 251 ZONE: 5200 DOIG FM

INTERVAL: 1770.00 - 1853.00 METRES
KEY WELL: 00/03-22-078-10W6/0
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

DRRZD: 264 ZONE: 5240 MONTNEY FM

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

DRRZD: 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

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0200

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

ESZ000101 EASTERN SLOPES POLICY ZONE 2

LAND DESCRIPTION

LEASE A0185 5-16-056: 9P
LEASE A0186 5-26-065: 25P

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
GRANDE PRAIRIE OFFICE
GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
10320 99 ST
GRANDE PRAIRIE AB T8V 6J4 (780) 538-5260

FRP000301 SILVICULTURE PLOT

LAND DESCRIPTION

LICENCE B0211 5-11-052: 21L1,L8; 22L4,L5

ALL LAND(S) IS/ARE WITHIN A FOREST RESEARCH PLOT.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
WHITECOURT OFFICE
WHITECOURT REGIONAL HEADQUARTERS - LAND AND FOREST SERVICE DEPT. OF
SUSTAINABLE RESOURCE DEV
5020 52 AVE SUITE 224
WHITECOURT AB T7S 1N2 (780) 778-7153

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

GZR002901 BLUEBERRY MOUNTAIN

LAND DESCRIPTION

LEASE A0201 6-10-080: 23L12W,L13W

ALL LAND(S) IS/ARE WITHIN A GRAZING RESERVE.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

KURT KUSHNER
RANGELAND PROGRAM MANAGER
FAIRVIEW OFFICE-OPERATIONS-RANGELANDS DISTRICT- ENVIRONMENT AND PARKS
REGIONAL OFFICE
10209 109 ST FLOOR 2
PO BOX 819
FAIRVIEW AB T0H 1L0 (780) 538-5260

HRV003701 HISTORIC RESOURCES VALUE 3

LAND DESCRIPTION

LEASE A0157 4-24-038: 10L3,L5,L6
LEASE A0158 4-24-038: 10L12

ALL LAND(S) IS/ARE WITHIN A HERITAGE RESOURCES MANAGEMENT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GEORGE CHALUT
LAND USE PLANNER
CULTURE, DEPARTMENT OF
HISTORIC RESOURCE MANAGEMENT BRANCH
LAND USE PLANNING SECTION
OLD ST STEPHEN'S COLLEGE
8820 112 ST NW
EDMONTON AB T6G 2P8 (780) 431-2329

SHA002801 RARE AND ENDANGERED SPECIES HABITAT PROTECTION

LAND DESCRIPTION

LEASE A0151 4-15-032: 29

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

SCOTT STEVENS
SENIOR WILDLIFE BIOLOGIST
RED DEER OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
4911 51 ST SUITE 404
RED DEER AB T4N 6V4 (403) 755-1400

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

LAND DESCRIPTION

LEASE A0186 5-26-065: 24NEP; 25NP, SEP
LEASE A0188 5-21-069: 11NEP
LEASE A0190 6-11-070: 36SP
LICENCE B0217 6-01-065: 18

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 NOVEMBER 28 PUBLIC OFFERING NOTICE

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

LAND DESCRIPTION			
LEASE	A0194	6-11-072:	8P
LEASE	A0201	6-10-080:	23P
LEASE	A0202	6-10-080:	24P
LICENCE	B0221	6-07-067:	29P
LICENCE	B0223	6-09-080:	12P

ALL LAND(S) IS/ARE WITHIN TRUMPETER SWAN HABITAT 500 METRE BUFFER. ACTIVITIES SHALL NOT OCCUR WITHIN 500 METRES OF THE BED AND SHORE ON IDENTIFIED WATERBODIES AND/OR WATERCOURSES.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

GLENN MACK
PROVINCIAL WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 422-3344

WPP000901 DUNVEGAN WEST

LAND DESCRIPTION			
LEASE	A0205	6-12-081:	28N,SWP

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 DIVISION
9820 106 ST NW FLOOR 2
EDMONTON AB T5K 2J6 (780) 644-5357

END