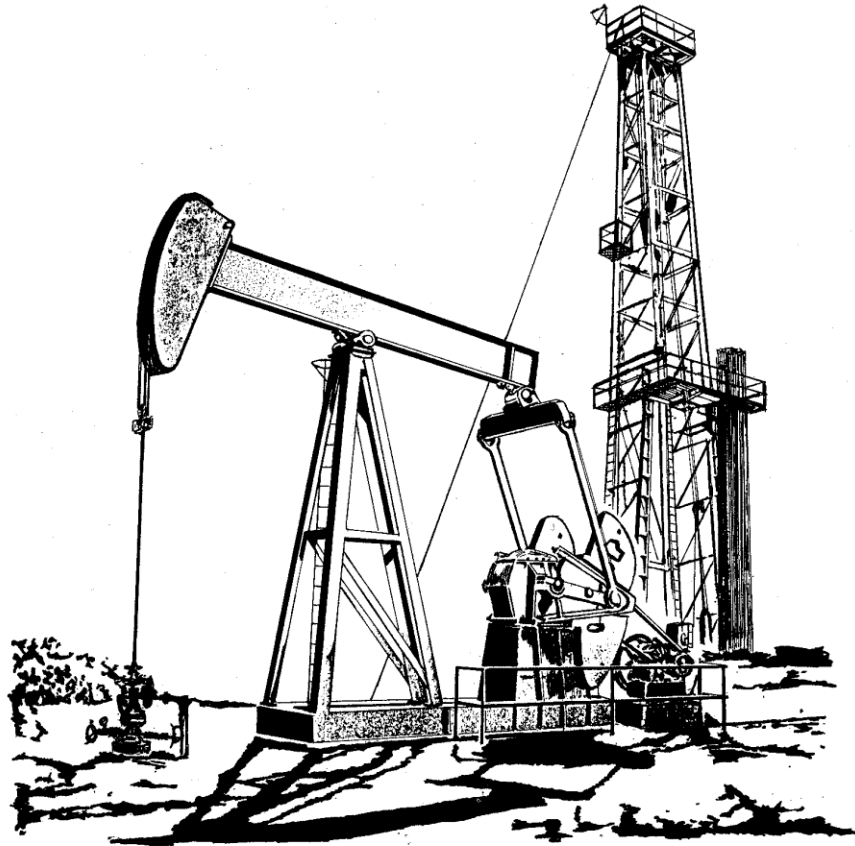


2018 DECEMBER 12

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2018.12.12

From	To	Total	Area
LEASES: A0004	A0152	149	38,893.6680 ha.
LICENCES: B0153	B0199	47	82,752.0000 ha.

		196	121,645.6680 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 December 12**.

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 December 12** 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.

2018 DECEMBER 12

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0004	256	4-14-005: 31 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0005	256	4-14-005: 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0006	128	4-15-005: 35W PETROLEUM AND NATURAL GAS TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0007	80		(CFB001001)
	TRACT ONE	4-06-017: 32L12,L13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD TO THE BASE OF THE MANNVILLE GRP	(DRRZD 8) (DRRZD 4)
	TRACT TWO	4-06-017: 29L3,L6,L11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BASAL COLORADO SD TO THE BASE OF THE MANNVILLE GRP	(DRRZD 48) (DRRZD 4)
A0008	512	4-28-017: 30; 32 PETROLEUM AND NATURAL GAS	
A0009	208		(CFB001001)
	TRACT ONE	4-06-018: 8L1,L8,L12,L13,L16; 17NE,L1,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 13) (DRRZD 4)
	TRACT TWO	4-06-018: 5L12,L13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD TO THE BASE OF THE MANNVILLE GRP	(DRRZD 8) (DRRZD 4)
A0010	192	4-07-018: 24E,L3,L6,L11,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(CFB001001) (DRRZD 8)
A0011	192	4-07-018: 25E,L3,L6,L11,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(CFB001001) (DRRZD 8)
A0012	256	4-24-018: 6 PETROLEUM AND NATURAL GAS	
A0013	192	4-07-020: 1N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(CFB001001) (DRRZD 13)
A0014	224	4-07-020: 12N,SW,L7,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(CFB001001) (DRRZD 13)

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LEASE	HECTARES	LAND DESCRIPTION	
A0015	768		
	TRACT ONE	4-27-020: 10; 11 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-27-020: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0016	29.67		(SHA006801)
	TRACT ONE	4-26-025: 35NEP PORTION(S) SHOWN AS A LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-26-026: 2SEP PORTION(S) SHOWN AS A POND ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. 2NP PORTION(S) SHOWN AS PONDS ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. 11SP PORTION(S) SHOWN AS A POND ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/02/09. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0017	64	4-17-027: 19SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE BASAL COLO & MANNVILLE	(DRRZD 6) (ZD 2773)
A0018	256	4-18-028: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0019	256	4-15-029: 20 PETROLEUM AND NATURAL GAS	
A0020	256	4-16-029: 13 PETROLEUM AND NATURAL GAS	(SHA007201)
A0021	256	4-18-029: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0022	768	5-01-029: 20; 29; 30 PETROLEUM AND NATURAL GAS	
A0023	256	4-19-030: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0024	256	4-19-030: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)

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LEASE	HECTARES	LAND DESCRIPTION	
A0025	64	4-26-032: 26NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 39) (DRRZD 277)
A0026	256	4-27-033: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0027	64	4-27-033: 30SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0028	256	4-28-033: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0029	256	4-05-035: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0030	128	4-25-035: 22N PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(DRRZD 30)
A0031	256	4-06-036: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(SHA007201) (DRRZD 6)
A0032	256	4-07-036: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0033	64	4-25-036: 30SE PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP	(DRRZD 280)
A0034	64	4-25-036: 30SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0035	128	4-25-036: 30N PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE EDMONTON GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 280) (DRRZD 6)
A0036	192	4-25-036: 32N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0037	64	4-25-036: 32SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM	(DRRZD 39) (DRRZD 6)
A0038	64	5-04-036: 36SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE CARDIUM FM	(DRRZD 280) (DRRZD 3)
A0039	64	5-04-036: 36SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE PEKISKO FM	(DRRZD 3) (DRRZD 30)
A0040	256	4-06-037: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0041	256	4-06-038: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0042	256	4-14-038: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0043	256	4-14-038: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0044	192	4-05-039: 30N,SE PETROLEUM AND NATURAL GAS	
A0045	320	4-02-041: 14; 15SE PETROLEUM AND NATURAL GAS	
A0046	512	TRACT ONE 5-03-043: 11W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(DRRZD 280) (ZD 3424)
		TRACT TWO 5-03-043: 11E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 280) (DRRZD 4)
		TRACT THREE 5-03-043: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0047	512		
	TRACT ONE	5-03-043: 28W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(DRRZD 280) (ZD 2623)
	TRACT TWO	5-03-043: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
	TRACT THREE	5-03-043: 28E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0048	320	5-03-043: 26NE; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0049	256	5-03-043: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE VIKING FM EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(DRRZD 39) (DRRZD 6) (ZD 3424)
A0050	448	4-02-044: 10; 16N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0051	256	4-05-044: 36 PETROLEUM AND NATURAL GAS	
A0052	256	4-25-044: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0053	80	4-05-048: 25L12-L16 PETROLEUM AND NATURAL GAS	
A0054	256	4-19-056: 32 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0055	256	5-02-057: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0056	256	5-02-057: 36 PETROLEUM AND NATURAL GAS	
A0057	192	4-24-058: 29N,SW PETROLEUM AND NATURAL GAS	
A0058	64	4-20-059: 16SE PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)

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LEASE	HECTARES	LAND DESCRIPTION	
A0059	64	4-20-059: 16SW PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0060	64	4-20-059: 16NW PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0061	64	4-20-059: 16NE PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0062	512	4-17-061: 27; 28 PETROLEUM AND NATURAL GAS	
A0063	1024	4-17-061: 29-32 PETROLEUM AND NATURAL GAS	
A0064	256	4-17-061: 34 PETROLEUM AND NATURAL GAS	
A0065	768	4-18-061: 24; 25; 36 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0066	512	4-16-062: 8; 17 PETROLEUM AND NATURAL GAS	
A0067	256	4-16-062: 10 PETROLEUM AND NATURAL GAS	
A0068	512	4-16-062: 19; 20 PETROLEUM AND NATURAL GAS	
A0069	192	4-16-062: 31S; 32SW PETROLEUM AND NATURAL GAS	
A0070	256	4-17-062: 25 PETROLEUM AND NATURAL GAS	
A0071	64	5-03-062: 13SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0072	256	4-17-063: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
--- NORTHERN REGION ---			
A0073	256	5-05-037: 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(DRRZD 66)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0074	256		
	TRACT ONE	5-05-037: 33W PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(DRRZD 66)
	TRACT TWO	5-05-037: 33E PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0075	256		
		5-07-037: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LEDUC FM	(DRRZD 69)
A0076	256		
		5-05-038: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0077	256		
	TRACT ONE	5-05-038: 16W PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-05-038: 16E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0078	256		
		5-05-038: 17 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0079	256		
		5-05-038: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
A0080	64		
		5-05-038: 22SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0081	256		
		5-06-038: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUVERNAY-MAJEAU LAKE FM	(DRRZD 287)
A0082	64		
		5-08-042: 8SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0083	64		
		5-08-042: 8SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
		TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0084	512	5-05-043: 31; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BANFF FM	(GZR001401) (IRZ003501) (SHA006701) (DRRZD 280) (DRRZD 57)
A0085	256	5-06-043: 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(DRRZD 60) (ZD 3074)
A0086	192	5-08-048: 15S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)
A0087	512	TRACT ONE 5-12-055: 4S; 5S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR EXCEPTING NATURAL GAS IN THE ELLERSLIE-ROCK CK	(TSH003401) (TSH003501) (DRRZD 60) (ZD 2774-1)
		TRACT TWO 5-12-055: 8SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR EXCEPTING PETROLEUM AND NATURAL GAS IN THE ELLERSLIE-ROCK CK	(DRRZD 60) (ZD 2774-1)
		TRACT THREE 5-12-055: 8N PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0088	128	5-13-055: 20W PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0089	64	5-05-057: 24NW PETROLEUM AND NATURAL GAS	
A0090	256	5-08-057: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BANFF FM	(DRRZD 57)
A0091	512	TRACT ONE 5-20-063: 1; 2S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE TOP OF THE DUVERNAY-MAJEAU LAKE FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE TRIASSIC SYSTEM	(DRRZD 21) (DRRZD 287) (DRRZD 37)
		TRACT TWO 5-20-063: 2NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE TOP OF THE NORDEGG MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM TO THE TOP OF THE DUVERNAY-MAJEAU LAKE FM	(DRRZD 21) (DRRZD 66) (DRRZD 37) (DRRZD 287)

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0092	512		
		TRACT ONE	
		5-20-063: 11E; 12	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 21)
		BLUESKY-BULLHEAD	(DRRZD 287)
		TO THE TOP OF THE DUVERNAY-MAJEAU LAKE FM	
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE	(DRRZD 37)
		TRIASSIC SYSTEM	
		TRACT TWO	
		5-20-063: 11SW	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 21)
		BLUESKY-BULLHEAD	(DRRZD 66)
		TO THE TOP OF THE NORDEGG MBR	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 37)
		TRIASSIC SYSTEM	(DRRZD 287)
		TO THE TOP OF THE DUVERNAY-MAJEAU LAKE FM	
		TRACT THREE	
		5-20-063: 11NW	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 37)
		TRIASSIC SYSTEM	(DRRZD 287)
		TO THE TOP OF THE DUVERNAY-MAJEAU LAKE FM	
A0093	256		(SHA006701)
		5-21-065: 19	
		PETROLEUM AND NATURAL GAS	
A0094	256		
		6-01-066: 11	
		PETROLEUM AND NATURAL GAS	
A0095	256		(SHA006701)
		6-11-070: 26	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 22)
		SPIRIT RIVER FM	
A0096	256		(DRRZD 22)
		6-11-070: 32	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		SPIRIT RIVER FM	
A0097	256		(DRRZD 22)
		6-11-071: 8	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		SPIRIT RIVER FM	
A0098	256		(TSH003401)
			(TSH003501)
		6-11-072: 5	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	(DRRZD 246)
		HALFWAY FM	
A0099	256		(DRRZD 246)
		6-11-072: 19	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		HALFWAY FM	
A0100	256		(DRRZD 40)
		6-12-072: 29	
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE	
		PEACE RIVER FM	
A0101	256		(ADM011601)
		4-15-074: 31	
		PETROLEUM AND NATURAL GAS	
A0102	256		(ADM011601)
		4-15-074: 32	
		PETROLEUM AND NATURAL GAS	
A0103	256		(ADM011601)
		4-16-074: 36	
		PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0104	256	5-22-074: 13 PETROLEUM AND NATURAL GAS	(IRS000201)
A0105	256	6-05-074: 30 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
A0106	768	6-12-074: 9; 15; 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(TSH003401) (TSH003501) (DRRZD 264)
A0107	512	6-12-074: 21; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(TSH003401) (TSH003501) (DRRZD 264)
A0108	512	6-12-074: 23; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(TSH003401) (TSH003501) (DRRZD 264)
A0109	256	4-15-075: 1 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)
A0110	256	4-15-075: 2 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)
A0111	256	4-15-075: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0112	256	4-15-075: 4 PETROLEUM AND NATURAL GAS	(ADM011601)
A0113	256	4-15-075: 5 PETROLEUM AND NATURAL GAS	(ADM011601)
A0114	256	4-15-075: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0115	256	4-15-075: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0116	256	4-15-075: 10 PETROLEUM AND NATURAL GAS	(ADM011601)
A0117	256	4-15-075: 11 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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LEASE	HECTARES	LAND DESCRIPTION	
A0118	256	4-15-075: 12 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)
A0119	256	4-15-075: 14 PETROLEUM AND NATURAL GAS	(ADM011601)
A0120	256	4-15-075: 15 PETROLEUM AND NATURAL GAS	(ADM011601)
A0121	256	4-15-075: 16 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)
A0122	256	4-15-075: 17 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3878-1)
A0123	256	4-15-075: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0124	256	4-15-075: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0125	256	4-15-075: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0126	256	4-15-075: 21 PETROLEUM AND NATURAL GAS	(ADM011601)
A0127	256	4-15-075: 22 PETROLEUM AND NATURAL GAS	(ADM011601)
A0128	192	4-15-075: 23S,NW PETROLEUM AND NATURAL GAS	(ADM011601)
A0129	256	4-15-075: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (DRRZD 4) (ZD 3878-1)
A0130	256	4-15-075: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (DRRZD 4) (ZD 3878-1)
A0131	256	4-15-075: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP NATURAL GAS IN THE WABISKAW-MCMURRAY	(ADM011601) (DRRZD 4) (ZD 3878-1)
A0132	256	4-16-075: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0133	192	5-21-075: 34N, SW PETROLEUM AND NATURAL GAS	
A0134	256	4-15-076: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0135	256	4-15-076: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0136	256	4-15-076: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0137	256	4-15-076: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABISKAW-MCMURRAY	(ADM011601) (ZD 3365)
A0138	256	4-15-076: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(ADM011601) (DRRZD 4)
A0139	128	5-21-076: 4W PETROLEUM AND NATURAL GAS	
A0140	192	5-21-076: 15N, SW PETROLEUM AND NATURAL GAS	
A0141	256	6-10-077: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
A0142	256	6-02-078: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE STODDART GRP	(DRRZD 204) (DRRZD 271)
A0143	256	6-10-078: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM TO THE BASE OF THE MONTNEY FM	(DRRZD 251) (DRRZD 264)
A0144	256	5-17-081: 2 PETROLEUM AND NATURAL GAS	(ADM011501) (SHA007001)
A0145	64	5-17-081: 8SW PETROLEUM AND NATURAL GAS	(ADM011501) (SHA007001)
A0146	256	6-12-082: 4 PETROLEUM AND NATURAL GAS	
A0147	256	6-12-082: 5 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	
A0148	256	6-12-082: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (DRRZD 21)
A0149	256	TRACT ONE 6-13-082: 12N,SE PETROLEUM AND NATURAL GAS TRACT TWO 6-13-082: 12SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(SHA006701) (DRRZD 251)
A0150	256	6-13-082: 13 PETROLEUM AND NATURAL GAS	(SHA006701) (WPP000901)
A0151	256	6-13-082: 27 PETROLEUM AND NATURAL GAS	(SHA006701) (WPP000901)
A0152	256	6-13-082: 33 PETROLEUM AND NATURAL GAS	(SHA006701) (WPP000901)
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LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0153	1792		
	TRACT ONE	5-03-044: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT TWO	5-03-044: 6 5-04-044: 1-3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(DRRZD 90)
	TRACT THREE	5-03-043: 29 5-04-043: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
B0154	1792		
	TRACT ONE	5-04-043: 12; 35; 36 5-04-044: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(DRRZD 90)
	TRACT TWO	5-04-043: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
	TRACT THREE	5-03-043: 30 5-04-043: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
B0155	1536		(HRV003602)
	TRACT ONE	5-03-047: 17NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	5-03-047: 17S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT THREE	5-03-047: 18; 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT FOUR	5-04-047: 13N,SE 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 BANFF FM	(DRRZD 39) (DRRZD 6) (DRRZD 57)
	TRACT FIVE	5-03-047: 19 5-04-047: 13SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
	TRACT SIX	5-04-047: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUVERNAY-MAJEAU LAKE FM	(DRRZD 287)
--- NORTHERN REGION ---			
B0156	256	5-05-038: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0157	256	5-06-039: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0158	512	5-13-043: 11; 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(IRZ003501) (SHA006701) (SHA007901) (DRRZD 39) (DRRZD 4)
B0159	704	TRACT ONE 5-06-044: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
		TRACT TWO 5-06-044: 9; 15N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE VIKING FM	(DRRZD 280) (DRRZD 6)
B0160	4864	TRACT ONE 5-06-047: 19N; 29; 30; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
		TRACT TWO 5-06-047: 19S; 20; 28; 33 5-06-048: 3-5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
		TRACT THREE 5-06-046: 31; 32 5-06-047: 5-7; 17; 18; 31 5-06-048: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0161	8192		(IRZ003501) (IRZ003601) (PPP001301) (PRA020101) (SHA006701) (SMP001901)
TRACT ONE		5-07-047: 9; 15-17; 21; 22; 25; 27 5-07-048: 3E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
TRACT TWO		5-07-046: 35; 36 5-07-047: 4; 5; 10; 12; 13; 20; 23; 24; 28; 29; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT THREE		5-07-047: 3; 11; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT FOUR		5-07-046: 34 5-07-047: 2 5-07-048: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(DRRZD 90)
TRACT FIVE		5-07-047: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
TRACT SIX		5-07-047: 1; 36 5-07-048: 1; 3W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)

B0162	256	5-06-048: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE MANNVILLE GRP	(DRRZD 3) (DRRZD 4)

B0163	256	5-06-048: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

B0164	256	5-08-048: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0165	8192		(GZR001101) (SHA006701)
TRACT ONE		5-09-048: 21NE; 22; 36S 5-10-048: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
TRACT TWO		5-09-048: 15 5-10-048: 13S,NE; 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT THREE		5-09-048: 5; 6N; 7; 8S,NW; 16; 17; 20; 21S; 23-26; 35 5-10-048: 1S,NW; 12; 13NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT FOUR		5-09-048: 18; 29-32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NORDEGG MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 66) (DRRZD 79)
TRACT FIVE		5-09-048: 6S; 8NE; 19; 21NW; 27; 28; 33; 34; 36N 5-10-048: 1NE; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0166	8128		(GZR001101) (SHA006701)
TRACT ONE		5-09-049: 8L9,L16 PETROLEUM AND NATURAL GAS	
TRACT TWO		5-09-049: 8S,NW,L10,L15; 9N; 16; 20; 21SE; 22; 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
TRACT THREE		5-10-049: 35N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
TRACT FOUR		5-10-049: 25NE; 26W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 4) (DRRZD 60)
TRACT FIVE		5-09-049: 7; 15; 17; 18; 19N,SE; 27; 29-31 5-10-049: 2; 13S,NW; 25W; 26E; 35SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT SIX		5-10-049: 13NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR EXCEPTING PETROLEUM AND NATURAL GAS IN THE NISKU FM	(DRRZD 60) (DRRZD 79)
TRACT SEVEN		5-09-049: 21N,SW 5-10-049: 14; 25SE; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
TRACT EIGHT		5-10-049: 12SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE ROCK CREEK MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 3) (DRRZD 60) (DRRZD 79)
TRACT NINE		5-09-049: 9SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 39) (DRRZD 79)
TRACT TEN		5-10-049: 23S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
TRACT ELEVEN		5-09-049: 3-6; 9SE; 10; 19SW 5-10-049: 1; 12N,SE; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)
B0167	256	5-09-049: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(SHA006701) (DRRZD 3)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0168	8192		(GZR001101) (TSH003401) (TSH003501)
TRACT ONE		5-10-049: 3NW; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
TRACT TWO		5-10-049: 3SW 5-11-049: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
TRACT THREE		5-10-049: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE TOP OF THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 4) (DRRZD 60)
TRACT FOUR		5-10-049: 32; 33 5-11-049: 11N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FIVE		5-10-049: 21E; 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP EXCEPTING PETROLEUM AND NATURAL GAS IN THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
TRACT SIX		5-10-049: 3E; 4-7; 10; 17; 18; 19S; 20; 21W; 31 5-11-049: 1; 2; 11S; 12N,SE; 14; 23-26; 35N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT SEVEN		5-10-049: 9; 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
TRACT EIGHT		5-10-049: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SHUNDA FM	(DRRZD 29)
TRACT NINE		5-10-049: 19N; 30 5-11-049: 12SW; 35SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)

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LICENCE	HECTARES	LAND DESCRIPTION	
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B0169	6912		(PNA007101) (SHA006701)
TRACT ONE		5-08-051: 19SE PETROLEUM AND NATURAL GAS	
TRACT TWO		5-08-051: 18; 19SW PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE PASKAPOO FM EXCEPTING NATURAL GAS IN THE GLAUCONITIC SS	(ZD 165) (ZD 165)
TRACT THREE		5-09-050: 22NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
TRACT FOUR		5-08-051: 31W NATURAL GAS IN THE PASKAPOO FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP NATURAL GAS IN THE GLAUCONITIC SS	(ZD 165) (DRRZD 4) (ZD 165)
TRACT FIVE		5-08-050: 17; 18; 19N; 20; 21; 30; 31 5-08-051: 7; 8; 9S,NW; 17; 19N; 20S,NW; 30; 31E 5-09-050: 14N,SE; 15; 22S,NW; 23; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT SIX		5-08-050: 19S NATURAL GAS IN THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(ZD 3006) (DRRZD 60)
TRACT SEVEN		5-09-050: 10; 11; 14SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT EIGHT		5-08-050: 28; 33 5-08-051: 4; 9NE; 20NE; 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)

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LICENCE	HECTARES	LAND DESCRIPTION	
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B0170	4928		(SHA006701)
TRACT ONE		5-09-051: 3NE; 9NE; 10; 27S,NW; 34 PETROLEUM AND NATURAL GAS	
TRACT TWO		5-09-051: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
TRACT THREE		5-09-051: 3S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
TRACT FOUR		5-09-051: 1; 2; 12; 14; 15; 23-25; 28; 35N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FIVE		5-09-051: 16; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
TRACT SIX		5-09-051: 27NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 66) (DRRZD 79)
TRACT SEVEN		5-08-051: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM	(DRRZD 30)
TRACT EIGHT		5-09-051: 9SW NATURAL GAS IN THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(ZD 3006) (DRRZD 79)
TRACT NINE		5-09-051: 9NW NATURAL GAS IN THE GLAUCONITIC SS PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(ZD 165) (DRRZD 79)
TRACT TEN		5-09-051: 26N; 35S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0171	6400		
	TRACT ONE	5-10-051: 5SW; 6SE; 10W; 15S; 26; 27 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-10-051: 16E PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT THREE	5-10-051: 3; 4N,SE; 5N; 6SW; 15N; 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT FOUR	5-10-051: 6NE; 9; 16W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT FIVE	5-09-051: 29; 30 5-10-051: 8; 24; 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT SIX	5-10-051: 1; 2S; 6NW; 7; 12-14; 18; 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT SEVEN	5-10-051: 2N; 4SW; 5SE; 10E; 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)
B0172	1792		
	TRACT ONE	5-11-053: 29; 34-36 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-11-053: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT THREE	5-11-053: 32; 33 PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE NORDEGG MBR	(DRRZD 66)
B0173	768		(TSH003401) (TSH003501)
	TRACT ONE	5-12-055: 4; 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT TWO	5-12-055: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
B0174	256		(SHA008201)
		5-24-057: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0175	256		(SHA008201)
		5-23-058: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0176	512		
		6-01-066: 23; 26 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0177	512	6-01-066: 23; 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0178	512		(SHA006701)
	TRACT ONE	6-01-066: 31 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(DRRZD 174)
	TRACT TWO	6-02-066: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0179	256	6-02-066: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(SHA006701) (DRRZD 264)
B0180	512		(SHA006701)
	TRACT ONE	6-01-067: 6 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(DRRZD 174)
	TRACT TWO	6-02-067: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0181	256	6-02-067: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(SHA006701) (DRRZD 264)
B0182	512	5-26-068: 23; 26 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(IRS000201) (SHA006701) (TSH003401) (TSH003501) (DRRZD 37)
B0183	512	5-26-068: 23; 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(IRS000201) (SHA006701) (TSH003401) (TSH003501) (DRRZD 37)
B0184	1024	6-05-071: 28; 29; 32 6-05-072: 5 PETROLEUM AND NATURAL GAS	
B0185	256	6-05-071: 34 PETROLEUM AND NATURAL GAS	
B0186	512	6-05-071: 35 6-05-072: 4 PETROLEUM AND NATURAL GAS	
B0187	256	6-05-072: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0188	256	6-05-072: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0189	256	TRACT ONE 6-05-072: 9W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
		TRACT TWO 6-05-072: 9E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0190	256	6-05-072: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0191	256	6-05-072: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0192	256	6-08-072: 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)
B0193	512	6-12-073: 2; 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(TSH003401) (TSH003501) (DRRZD 251)
B0194	1024	5-01-074: 11; 12; 14; 15 PETROLEUM AND NATURAL GAS	
B0195	1536	5-01-074: 19; 20; 29; 30 5-02-074: 25; 35 PETROLEUM AND NATURAL GAS	
B0196	1536	5-01-074: 21-23; 27; 28; 34 PETROLEUM AND NATURAL GAS	
B0197	2560	5-06-082: 8-17 PETROLEUM AND NATURAL GAS	
B0198	512	6-05-109: 19; 20 PETROLEUM AND NATURAL GAS	
B0199	1408	6-06-109: 24; 26; 27N; 33-35 PETROLEUM AND NATURAL GAS BELOW THE TOP OF THE SLAVE POINT FM	(DRRZD 18)
47	82,752.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2018 DECEMBER 12 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: 2623 ZONE: 3000 GLAUCONITIC SS

INTERVAL: 6700.00 - 6810.00 FEET
KEY WELL: 00/07-11-043-04W5/0
LOG TYPE: INDUCTION ELECTRICAL

ZD: 2773 ZONE: 2140 VIKING FM

INTERVAL: 3402.00 - 3615.00 FEET
KEY WELL: 00/10-21-027-17W4/0
LOG TYPE: INDUCTION ELECTRICAL

 ZONE: 2421 BASAL COLO & MANNVILLE

INTERVAL: 3665.00 - 4050.00 FEET
KEY WELL: 00/10-21-027-17W4/0
LOG TYPE: INDUCTION ELECTRICAL

ZD: 2774-1 ZONE: 3362 ELLERSLIE-ROCK CK

INTERVAL: 6330.00 - 6514.00 FEET
KEY WELL: 00/06-05-055-12W5/0
LOG TYPE: INDUCTION ELECTRICAL

ZD: 3006 ZONE: 2480 MANNVILLE GRP

INTERVAL: 5726.00 - 6276.00 FEET
KEY WELL: 02/06-29-050-08W5/0
LOG TYPE: INDUCTION ELECTRICAL

ZD: 3074 ZONE: 6420 PEKISKO FM

INTERVAL: 7128.00 - 7168.00 FEET
KEY WELL: 00/10-11-043-05W5/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

 ZONE: 3100 LOWER MANNVILLE FM

INTERVAL: 7262.00 - 7410.00 FEET
KEY WELL: 00/10-33-043-06W5/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

ZD: 3365 ZONE: 3062 WABISKAW-MCMURRAY

INTERVAL: 1531.00 - 1688.00 FEET
KEY WELL: 00/06-04-077-15W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

APPENDIX 1

PAGE 2

ZONE DESIGNATIONS APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

ZD: 3424

ZONE: 3000 GLAUCONITIC SS

INTERVAL: 6312.00 - 6380.00 FEET

KEY WELL: 00/10-11-043-03W5/0

LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

ZD: 3878-1

ZONE: 3062 WABISKAW-MCMURRAY

INTERVAL: 1607.00 - 1790.00 FEET

KEY WELL: 00/10-21-071-14W4/0

LOG TYPE: INDUCTION ELECTRICAL

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 DECEMBER 12 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: 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: 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: 18 ZONE: 7580 SLAVE POINT FM

INTERVAL: 4196.00 - 4336.00 FEET
KEY WELL: 00/02-17-088-08W5/0
LOG TYPE: GAMMA RAY-ACOUSTIC

DRRZD: 21 ZONE: 3052 BLUESKY-BULLHEAD

INTERVAL: 2754.00 - 3043.00 FEET
KEY WELL: 00/10-32-081-01W6/0
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

DRRZD: 22 ZONE: 2640 SPIRIT RIVER FM

INTERVAL: 2004.00 - 3138.00 FEET
KEY WELL: 00/11-03-078-01W6/0
LOG TYPE: INDUCTION ELECTRIC

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

DRRZD: 37 ZONE: 5000 TRIASSIC SYSTEM

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

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: 48 ZONE: 2420 BASAL COLORADO SD

INTERVAL: 3004.00 - 3024.00 FEET
KEY WELL: 00/06-27-025-12W4/0
LOG TYPE: INDUCTION ELECTRICAL

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: 69 ZONE: 7200 LEDUC FM

INTERVAL: 14772.00 - 15615.00 FEET
KEY WELL: 00/10-33-036-10W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 79 ZONE: 6960 NISKU FM

INTERVAL: 8324.00 - 8730.00 FEET
KEY WELL: 00/06-25-050-10W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 90 ZONE: 4000 JURASSIC SYSTEM

INTERVAL: 7052.00 - 7148.00 FEET
KEY WELL: 00/06-29-039-03W5/0
LOG TYPE: INDUCTION ELECTROLOG

DRRZD: 174 ZONE: 6420 PEKISKO FM

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

DRRZD: 204 ZONE: 5240 MONTNEY FM

INTERVAL: 3480.00 - 4136.00 FEET
KEY WELL: 00/10-19-078-01W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 246 ZONE: 5160 HALFWAY FM

INTERVAL: 6344.00 - 6402.00 FEET
KEY WELL: 00/11-18-077-08W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 247 ZONE: 5080 CHARLIE LAKE FM

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

DRRZD: 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: 271 ZONE: 6040 STODDART GRP

INTERVAL: 7170.00 - 8095.00 FEET
KEY WELL: 00/07-17-078-10W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 276 ZONE: 4140 FERNIE GRP

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

DRRZD: 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

DRRZD: 284 ZONE: 7635 ELK POINT GRP

INTERVAL: 783.00 - 1370.00 METRES
KEY WELL: 02/06-13-063-08W4/0
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

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 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0144
LEASE A0145

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 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

ADM011601 ATHABASCA OIL SANDS DESIGNATED AREA

LEASE A0101
 LEASE A0102
 LEASE A0103
 LEASE A0109
 LEASE A0110
 LEASE A0111
 LEASE A0112
 LEASE A0113
 LEASE A0114
 LEASE A0115
 LEASE A0116
 LEASE A0117
 LEASE A0118
 LEASE A0119
 LEASE A0120
 LEASE A0121
 LEASE A0122
 LEASE A0123
 LEASE A0124
 LEASE A0125
 LEASE A0126
 LEASE A0127
 LEASE A0128
 LEASE A0129
 LEASE A0130
 LEASE A0131
 LEASE A0132
 LEASE A0134
 LEASE A0135
 LEASE A0136
 LEASE A0137
 LEASE A0138

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 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

CFB001001 SUFFIELD

LEASE A0007
LEASE A0009
LEASE A0010
LEASE A0011
LEASE A0013
LEASE A0014

ALL LAND(S) IS/ARE WITHIN CANADIAN FORCES BASE SUFFIELD. FOR INFORMATION CONCERNING SURFACE ACCESS PLEASE REFER TO ALBERTA ENERGY INFORMATION BULLETIN 99-6 AND INFORMATION LETTER 99-36.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LUCIANO SCARPINO
SUPERVISOR, RANGE SAFETY
SUFFIELD INDUSTRY RANGE CONTROL LTD.
500 CENTRE ST SE
PO BOX 766
CALGARY AB T2P 0M5 (403) 862-0065

GZR001101 PEMBINA

	LAND DESCRIPTION
LICENCE B0165	5-09-048: 19; 20; 21W; 29-32 5-10-048: 24; 25; 36
LICENCE B0166	5-09-049: 6S,NW 5-10-049: 1; 2; 12; 14W
LICENCE B0168	5-10-049: 3; 4SEP,NWP,NE; 9; 10; 16; 17NE; 19E; 20; 21S; 29; 30

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

SUE DEBRUJN
RANGELAND AGROLOGIST
DRAYTON VALLEY OFFICE - LANDS DIVISION DEPT. OF SUSTAINABLE RESOURCE DEV
6521 50 AVE
PO BOX 6090
DRAYTON VALLEY AB T7A 1R6 (780) 542-6616

GZR001401 ROCKY MOUNTAIN HOUSE

LEASE A0084

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

SUE DEBRUJN
RANGELAND AGROLOGIST
DRAYTON VALLEY OFFICE - LANDS DIVISION DEPT. OF SUSTAINABLE RESOURCE DEV
6521 50 AVE
PO BOX 6090
DRAYTON VALLEY AB T7A 1R6 (780) 542-6616

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

HRV003602 HISTORIC RESOURCES VALUE 2

LAND DESCRIPTION
LICENCE B0155 5-03-047: 30L13
5-04-047: 25L15,L16

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

SURFACE ACCESS IS NOT PERMITTED

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

IRS000201 STURGEON LAKE-PUSKWASKAU EAST

LAND DESCRIPTION
LEASE A0104 5-22-074: 13P
LICENCE B0182 5-26-068: 23P; 26P
LICENCE B0183 5-26-068: 23P; 26P

ALL LAND(S) IS/ARE WITHIN A INTEGRATED RESOURCE PLAN SPECIAL LAND USE AREA

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

IRZ003501 ROCKY-NORTH SASKATCHEWAN ZONE 2

LAND DESCRIPTION
LEASE A0084 5-05-043: 31P; 32P
LICENCE B0158 5-13-043: 11P; 23P
LICENCE B0161 5-07-047: 20P; 29P; 34P
5-07-048: 3NP

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
ROCKY MOUNTAIN HOUSE OFFICE
ROCKY MOUNTAIN HOUSE REGIONAL OFFICE - LAND AND FOREST SERVICE DEPT. OF
SUSTAINABLE RESOURCE DEV
COURIER BOX 21
PO BOX 1720
ROCKY MOUNTAIN HOUSE AB T4T 1B3 (403) 845-8272

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

IRZ003601 **ROCKY-NORTH SASKATCHEWAN ZONE 3**

LAND DESCRIPTION
LICENCE B0161 5-07-047: 29NE
5-07-048: 3NWP

ALL LAND(S) IS/ARE WITHIN ZONE 3 (SPECIAL USE) OF AN INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
ROCKY MOUNTAIN HOUSE OFFICE
ROCKY MOUNTAIN HOUSE REGIONAL OFFICE - LAND AND FOREST SERVICE DEPT. OF
SUSTAINABLE RESOURCE DEV
COURIER BOX 21
PO BOX 1720
ROCKY MOUNTAIN HOUSE AB T4T 1B3 (403) 845-8272

PNA007101 **PEMBINA-BIGORAY**

LAND DESCRIPTION
LICENCE B0169 5-08-050: 21NP,SEP; 28SP

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

PPP001301 **BLUE RAPIDS - SECTION 7 LAND**

LAND DESCRIPTION
LICENCE B0161 5-07-047: 29L12P,L13P,L14P

ALL LAND(S) IS/ARE WITHIN A PROPOSED 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

PRA020101 **BLUE RAPIDS**

LAND DESCRIPTION
LICENCE B0161 5-07-047: 20NWP; 29SP,NWP,NE; 34NW
5-07-048: 3W

ALL LAND(S) IS/ARE WITHIN A PROVINCIAL RECREATION AREA.

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2018 DECEMBER 12 PUBLIC OFFERING NOTICE

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

		LAND DESCRIPTION	
LEASE	A0084	5-05-043:	31P; 32NEP
LEASE	A0093	5-21-065:	19EP
LEASE	A0095	6-11-070:	26NP,SE,SWP
LEASE	A0148	6-12-082:	16NP
LEASE	A0149	6-13-082:	12NP,SWP
LEASE	A0150	6-13-082:	13N,SEP,SW
LEASE	A0151		
LEASE	A0152		
LICENCE	B0158	5-13-043:	11NP,SE,SWP; 23EP
LICENCE	B0161	5-07-047:	3WP; 4P; 9SP,NWP; 17EP,W; 20EP,W; 27SP,NW,NEP; 28SP,N; 29N,SEP,SW; 34EP,W
		5-07-048:	3EP,W
LICENCE	B0165	5-09-048:	5WP; 6SEP; 7NP,SWP; 8P; 15NEP; 16NP,SWP; 17; 18; 19SP; 20SP; 21SP,NEP; 22SP,NWP,NE; 23WP; 26NP,SWP; 27P; 34P; 35P
		5-10-048:	12SP,N; 13; 24SP
LICENCE	B0166	5-09-049:	3EP; 10EP; 15NEP
LICENCE	B0167	5-09-049:	13P
LICENCE	B0169	5-08-050:	17SP,NEP; 18P; 19SEP; 21NP,SE,SWP; 28SP,NWP,NE; 33NP,SE,SWP
		5-08-051:	4P; 9P; 17NP; 18NP; 19SP; 20SP
LICENCE	B0170	5-09-051:	24SEP
LICENCE	B0178		
LICENCE	B0179		
LICENCE	B0180		
LICENCE	B0181		
LICENCE	B0182		
LICENCE	B0183		

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

SHA006801 COLONIAL NESTING BIRDS

		LAND DESCRIPTION	
LEASE	A0016	4-26-026:	2NWP; 11SWP

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

SHA007001 SPECIAL ACCESS ZONE

LEASE	A0144		
LEASE	A0145		

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 DECEMBER 12 PUBLIC OFFERING NOTICE

TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER

		LAND DESCRIPTION	
LEASE	A0087	5-12-055:	5NWP; 8NP,SWP
LEASE	A0098	6-11-072:	5P
LEASE	A0106	6-12-074:	9P; 15P; 16P
LEASE	A0107	6-12-074:	21P; 22P
LEASE	A0108	6-12-074:	23P; 24P
LICENCE	B0168	5-10-049:	18P; 19EP; 31P; 32P
		5-11-049:	1P; 2P; 13P; 24P
LICENCE	B0173	5-12-055:	5P; 8P
LICENCE	B0182	5-26-068:	23P; 26P
LICENCE	B0183	5-26-068:	23P; 26P
LICENCE	B0193	6-12-073:	2P; 10P

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

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

		LAND DESCRIPTION	
LEASE	A0087	5-12-055:	5SEP,NWP; 8SWP,NEP
LEASE	A0098	6-11-072:	5P
LEASE	A0106	6-12-074:	9P; 15P; 16P
LEASE	A0107	6-12-074:	21P; 22P
LEASE	A0108	6-12-074:	23P; 24P
LICENCE	B0168	5-10-049:	7P; 18P; 19NP,SEP; 31P; 32P
		5-11-049:	1P; 2P; 12SWP; 13P; 24P
LICENCE	B0173	5-12-055:	5P; 8P
LICENCE	B0182	5-26-068:	23P; 26P
LICENCE	B0183	5-26-068:	23P; 26P
LICENCE	B0193	6-12-073:	2P; 10P

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	A0150	6-13-082:	13SP,NWP,NE
LEASE	A0151	6-13-082:	27SP,NWP
LEASE	A0152	6-13-082:	33SWP

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