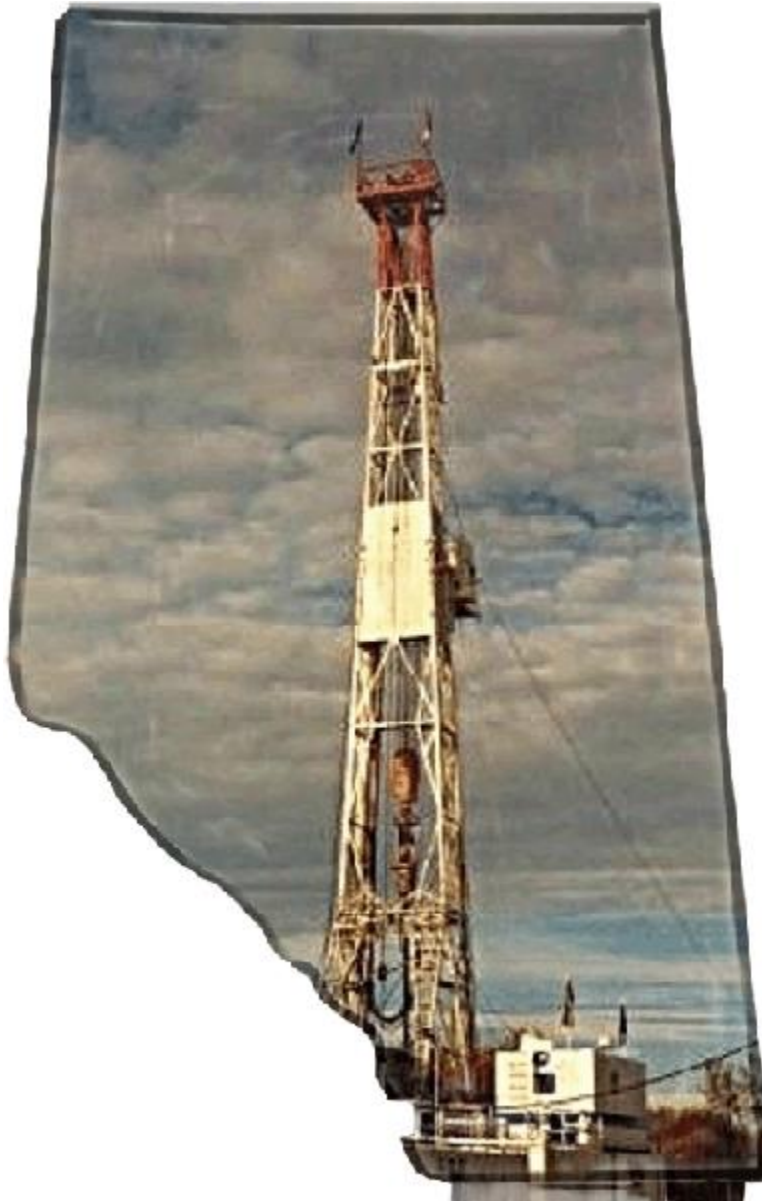


2013 DECEMBER 18

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2013.12.18

From	To	Total	Area
LEASES: A0145	A0329	185	40,000.0000 ha.
LICENCES: B0330	B0353	24	13,440.0000 ha.

		209	53,440.0000 ha.

PUBLIC OFFERING OF CROWN
PETROLEUM AND NATURAL GAS RIGHTS

BIDDING DEADLINE

Offers to purchase petroleum and natural gas leases and licences (including any subsequent amendments) contained in this notice will **not** be accepted after **12 noon on 2013 December 18**.

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 **2013 December 18** 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.

2013, DECEMBER 18

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0145	128	4-18-001: 5E PETROLEUM AND NATURAL GAS	(ESA000701) (GZR000201)
A0146	256	4-10-007: 33 PETROLEUM AND NATURAL GAS	
A0147	256	4-17-007: 28 PETROLEUM AND NATURAL GAS	
A0148	256	4-18-008: 24 PETROLEUM AND NATURAL GAS	(DMR000701)
A0149	64	4-26-010: 32NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 273)
A0150	256	4-27-010: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0151	64	4-26-011: 6NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 273)
A0152	64	4-26-011: 7SW PETROLEUM AND NATURAL GAS	
A0153	256	4-17-015: 9 PETROLEUM AND NATURAL GAS	
A0154	128	4-29-015: 23N PETROLEUM AND NATURAL GAS	
A0155	128	4-29-015: 27N PETROLEUM AND NATURAL GAS	
A0156	256	4-29-015: 32 PETROLEUM AND NATURAL GAS	
A0157	64	4-06-016: 29NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(CFB001001) (CFB001002) (DRRZD 13)
A0158	256	4-29-016: 3 PETROLEUM AND NATURAL GAS	
A0159	512	4-16-017: 6;7 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0160	256	4-19-018: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0161	256	4-19-018: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0162	256	4-03-023: 9 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 99-1)
A0163	256	4-04-023: 5 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2028)
A0164	192	4-14-027: 14S,NE PETROLEUM AND NATURAL GAS	
A0165	256	4-14-027: 25 PETROLEUM AND NATURAL GAS	
A0166	256	4-13-028: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 273)
A0167	256	4-18-028: 35 PETROLEUM AND NATURAL GAS	
A0168	256	4-14-032: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0169	256	4-14-032: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0170	256	4-14-032: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0171	640	TRACT ONE 4-11-034: 27W;28 PETROLEUM AND NATURAL GAS	
		TRACT TWO 4-11-034: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE VIKING FM	(DRRZD 39) (DRRZD 6)
A0172	128	4-04-035: 36S PETROLEUM IN THE VIKING FM	(DRRZD 6)
A0173	64	4-06-035: 29NW PETROLEUM IN THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0174	64	4-06-035: 34SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE VIKING FM	(DRRZD 6) (ZD 1029-1)
A0175	64	4-06-035: 34NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE VIKING FM	(DRRZD 6) (ZD 1029-1)
A0176	128	4-06-035: 36SW,NE PETROLEUM IN THE VIKING FM	(DRRZD 6)
A0177	192	4-07-035: 36N,SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM EXCEPTING NATURAL GAS IN THE VIKING FM	(DRRZD 6) (ZD 1029-1)
A0178	64	4-08-035: 32NE PETROLEUM IN THE VIKING FM	(DRRZD 6)
A0179	448	4-11-035: 31N,SW 4-12-035: 36 PETROLEUM AND NATURAL GAS	
A0180	256	4-13-035: 36 PETROLEUM AND NATURAL GAS	
A0181	128	4-11-036: 6W PETROLEUM AND NATURAL GAS	
A0182	256	4-12-036: 6 PETROLEUM AND NATURAL GAS	
A0183	64	4-22-036: 29SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0184	64	4-22-036: 29SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0185	64	4-22-036: 29NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0186	64	4-22-036: 29NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0187	64	4-22-036: 32SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0188	64	4-22-036: 32SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0189	64	4-22-036: 32NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0190	64	4-22-036: 32NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0191	256	4-23-036: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0192	64	4-23-036: 30SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0193	64	4-23-036: 30SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0194	64	4-23-036: 30NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0195	64	4-23-036: 30NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0196	64	4-24-036: 24NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0197	64	4-24-036: 24NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0198	192	4-01-040: 22S,NE PETROLEUM AND NATURAL GAS	
A0199	64	4-03-041: 28SE PETROLEUM AND NATURAL GAS	
A0200	64	4-03-041: 28SW PETROLEUM AND NATURAL GAS	
A0201	64	4-03-041: 28NW PETROLEUM AND NATURAL GAS	
A0202	64	4-03-041: 28NE PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0203	64	4-03-041: 30SE PETROLEUM AND NATURAL GAS	
A0204	64	4-03-041: 30SW PETROLEUM AND NATURAL GAS	
A0205	64	4-03-041: 30NW PETROLEUM AND NATURAL GAS	
A0206	64	4-03-041: 30NE PETROLEUM AND NATURAL GAS	
A0207	2304	4-16-042: 34;36 4-16-043: 2;4;6;10;18 4-17-043: 12;24 PETROLEUM AND NATURAL GAS	
A0208	128	4-16-043: 11W PETROLEUM AND NATURAL GAS	
A0209	512	4-17-044: 34 4-17-045: 2 PETROLEUM AND NATURAL GAS	
A0210	64	5-04-044: 7SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BANFF FM EXCEPTING NATURAL GAS IN THE PEKISKO-BANFF	(DRRZD 280) (DRRZD 57) (ZD 228-1)
A0211	64	5-04-044: 7NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE BANFF FM EXCEPTING NATURAL GAS IN THE PEKISKO-BANFF	(DRRZD 280) (DRRZD 57) (ZD 228-1)
A0212	256	4-25-046: 6 PETROLEUM AND NATURAL GAS	
A0213	256	4-26-046: 12 PETROLEUM AND NATURAL GAS	
A0214	256	4-08-049: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0215	256	4-08-049: 4 PETROLEUM AND NATURAL GAS	
A0216	256	4-08-049: 18 PETROLEUM AND NATURAL GAS	
A0217	128	5-01-049: 32E PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0218	128	5-01-049: 34W PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0219	64	5-01-049: 34NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0220	16	4-03-050: 12L11 PETROLEUM AND NATURAL GAS	
A0221	16	4-03-050: 12L12 PETROLEUM AND NATURAL GAS	
A0222	256	4-12-050: 24 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0223	256	5-03-050: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0224	256	4-01-051: 32 PETROLEUM AND NATURAL GAS	
A0225	32	4-03-051: 12L1,L2 PETROLEUM AND NATURAL GAS	
A0226	32	4-03-051: 14L11,L12 PETROLEUM AND NATURAL GAS	
A0227	32	4-03-051: 14L13,L14 PETROLEUM AND NATURAL GAS	
A0228	32	4-03-051: 14L9,L10 PETROLEUM AND NATURAL GAS	
A0229	32	4-03-051: 14L15,L16 PETROLEUM AND NATURAL GAS	
A0230	256	4-01-052: 2 PETROLEUM AND NATURAL GAS	
A0231	256	4-01-052: 14 PETROLEUM AND NATURAL GAS	
A0232	64	4-01-052: 26NE PETROLEUM AND NATURAL GAS	
A0233	256	4-10-055: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(ADM001801) (GZR001201) (DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION	
A0234	256	4-26-056: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0235	256	4-14-059: 17 PETROLEUM AND NATURAL GAS	
A0236	256	4-14-059: 20 PETROLEUM AND NATURAL GAS	
A0237	256	4-27-060: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0238	256	4-18-064: 31 PETROLEUM AND NATURAL GAS	
--- NORTHERN REGION ---			
A0239	256	5-06-035: 15 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(IR2000402) (DRRZD 6)
A0240	256	5-07-037: 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0241	256	5-07-037: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0242	128	5-06-038: 9W PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0243	256	5-06-038: 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0244	128	5-07-038: 13W PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0245	512	5-11-045: 34;35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(IR2000601) (PDR001101) (POW000101) (DRRZD 3) (DRRZD 13)
A0246	512	5-11-045: 34;35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(IR2000601) (PDR001101) (POW000101) (DRRZD 13)

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LEASE	HECTARES	LAND DESCRIPTION	
A0247	512	5-11-046: 2;3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(POW000101) (DRRZD 3) (DRRZD 13)
A0248	512	5-11-046: 2;3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(POW000101) (DRRZD 13)
A0249	256	5-12-046: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(POW000101) (DRRZD 3) (DRRZD 13)
A0250	256	5-12-046: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE ELKTON-SHUNDA	(POW000101) (DRRZD 13) (ZD 3155)
A0251	256	5-11-047: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	 (DRRZD 3) (DRRZD 13)
A0252	256	5-11-047: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE MANNVILLE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NORDEGG MBR	 (DRRZD 13) (DRRZD 4) (DRRZD 60) (DRRZD 66)
A0253	128	5-11-048: 4N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	(ES2000101) (DRRZD 3) (DRRZD 6)
A0254	128	5-11-048: 4N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(ES2000101) (DRRZD 6)
A0255	192	5-11-048: 17N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE VIKING FM	 (DRRZD 3) (DRRZD 6)
A0256	192	5-11-048: 17N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE MANNVILLE GRP	 (DRRZD 6) (DRRZD 4)
A0257	128	TRACT ONE 5-15-048: 4NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TRACT TWO 5-15-048: 4SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR	 (DRRZD 39) (DRRZD 3) (DRRZD 60)

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LEASE	HECTARES	LAND DESCRIPTION	
A0258	64	5-16-048: 13SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0259	64	5-16-048: 13SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE CARDIUM FM	(DRRZD 39) (DRRZD 3)
A0260	256	5-05-050: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
A0261	256	5-07-051: 36 PETROLEUM AND NATURAL GAS	
A0262	128	5-13-051: 11S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0263	128	5-13-051: 11S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 158) (DRRZD 60)
A0264	256	5-13-051: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0265	256	5-13-051: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE NORDEGG MBR	(DRRZD 158) (DRRZD 66)
A0266	256	TRACT ONE 5-13-051: 25SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE NORDEGG MBR TRACT TWO 5-13-051: 26S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(DRRZD 158) (DRRZD 66) (DRRZD 3)
A0267	320	5-13-051: 25SW;26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0268	64	5-13-051: 25SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE CARDIUM FM	(DRRZD 280) (DRRZD 3)
A0269	256	5-13-051: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)

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LEASE	HECTARES	LAND DESCRIPTION	
A0270	256	5-13-051: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0271	256	5-13-051: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)
A0272	64	5-07-052: 2SE PETROLEUM AND NATURAL GAS	
A0273	64	5-07-052: 2NW PETROLEUM AND NATURAL GAS	
A0274	256	5-14-052: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0275	256	5-14-052: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)
A0276	192	5-16-052: 27S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0277	192	5-16-052: 27S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 158) (DRRZD 6)
A0278	512	5-17-052: 31 5-17-053: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0279	512	TRACT ONE 5-17-053: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 260)
		TRACT TWO 5-17-052: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 158) (DRRZD 60)
A0280	128	5-12-053: 1S PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0281	256	5-12-053: 16 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	
A0282	128	5-13-053: 7SE;8NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0283	128	TRACT ONE 5-13-053: 8NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE LOWER MANNVILLE FM	(DRRZD 158) (ZD 3125)
		TRACT TWO 5-13-053: 7SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 158) (DRRZD 6)
A0284	448	5-17-053: 2;3N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(ES2000102) (DRRZD 3) (DRRZD 158)
A0285	448	TRACT ONE 5-17-053: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(ES2000102) (DRRZD 158)
		TRACT TWO 5-17-053: 3N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 295)
A0286	448	5-17-053: 10N,SE;11W;15S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0287	448	5-17-053: 10N,SE;11W;15S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 158) (DRRZD 6)
A0288	192	5-17-053: 21N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0289	192	5-17-053: 21N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM	(DRRZD 158) (DRRZD 6)
A0290	896	5-18-053: 2W;10-12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)

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LEASE	HECTARES	LAND DESCRIPTION	
A0291	896		
	TRACT ONE	5-18-053: 2W;11;12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 260)
	TRACT TWO	5-18-053: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS TO THE BASE OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TURNER VALLEY FM	(DRRZD 158) (DRRZD 6) (DRRZD 28)
A0292	128	5-18-053: 29N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0293	128	5-18-053: 29N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE BLUESKY FM EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 2281-1) (ZD 2281-1)
A0294	64	5-18-053: 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0295	64	5-18-053: 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE BLUESKY FM EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 2281-1) (ZD 2281-1)
A0296	256	5-17-054: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0297	256	5-17-054: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)
A0298	384	5-17-054: 6 5-18-054: 12E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0299	384		
	TRACT ONE	5-18-054: 12E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)
	TRACT TWO	5-17-054: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS EXCEPTING NATURAL GAS IN THE BLUESKY FM EXCEPTING NATURAL GAS IN THE ELKTON MBR	(DRRZD 158) (ZD 2281-1) (ZD 2281-1)

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LEASE	HECTARES	LAND DESCRIPTION	
A0300	128	5-17-054: 8N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 3) (DRRZD 158)
A0301	128	5-17-054: 8N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 158)
A0302	256	5-18-057: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0303	256	5-17-058: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0304	256	5-21-066: 23 PETROLEUM AND NATURAL GAS	
A0305	256	4-20-068: 33 PETROLEUM AND NATURAL GAS	
A0306	128	4-21-068: 31N PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0307	64	4-22-068: 36SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0308	64	4-21-069: 7SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0309	64	4-22-069: 1NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0310	64	4-22-069: 12NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0311	256	6-04-069: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
A0312	256	6-04-074: 35 PETROLEUM AND NATURAL GAS	
A0313	256	6-04-075: 2 PETROLEUM AND NATURAL GAS	
A0314	256	5-21-076: 7 PETROLEUM AND NATURAL GAS	

2013, DECEMBER 18

LEASE	HECTARES	LAND DESCRIPTION	
A0315	256	5-21-076: 8 PETROLEUM AND NATURAL GAS	
A0316	256	5-21-076: 9 PETROLEUM AND NATURAL GAS	
A0317	256	5-21-076: 10 PETROLEUM AND NATURAL GAS	
A0318	256	5-21-076: 16 PETROLEUM AND NATURAL GAS	
A0319	256	5-21-076: 17 PETROLEUM AND NATURAL GAS	
A0320	256	5-21-076: 18 PETROLEUM AND NATURAL GAS	
A0321	256	6-11-077: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE STODDART GRP	(DRRZD 264) (DRRZD 271)
A0322	256	6-03-078: 5 PETROLEUM AND NATURAL GAS	
A0323	64	5-23-079: 36NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DEBOLT FM	(ADM001901) (DRRZD 42)
A0324	128	5-23-080: 11S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DEBOLT FM	(ADM001901) (DRRZD 42)
A0325	64	5-23-080: 21SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(ADM001901) (WPP002101) (DRRZD 255)
A0326	256	6-04-088: 4 PETROLEUM AND NATURAL GAS	(TSH003301)
A0327	256	6-04-088: 8 PETROLEUM AND NATURAL GAS	
A0328	256	6-04-088: 16 PETROLEUM AND NATURAL GAS	(CRG001701) (TSH003301)
A0329	256	6-06-101: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SHUNDA FM	(CRG001701) (DRRZD 217)
185	40,000.00	HA TOTALS	END

2013, DECEMBER 18

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0330	1024		
	TRACT ONE	5-17-049: 31 5-18-050: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-18-049: 36 5-18-050: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
B0331	768		
	TRACT ONE	5-17-050: 6;7 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-18-050: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
B0332	256		
	TRACT ONE	5-12-053: 2S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT TWO	5-12-053: 2NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
B0333	512		(BWP001802)
		5-16-056: 14;23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0334	256		
		5-08-061: 6 PETROLEUM AND NATURAL GAS	
B0335	256		
		5-08-061: 7 PETROLEUM AND NATURAL GAS	
B0336	256		
		5-08-061: 8 PETROLEUM AND NATURAL GAS	
B0337	768		(CRG002101)
	TRACT ONE	6-08-062: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHINOOK MBR TO THE BASE OF THE FERNIE GRP	(DRRZD 77) (DRRZD 276)
	TRACT TWO	6-08-062: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE FERNIE GRP	(DRRZD 51) (DRRZD 276)
	TRACT THREE	6-08-062: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE FERNIE GRP	(DRRZD 38) (DRRZD 276)

2013, DECEMBER 18

LICENCE	HECTARES	LAND DESCRIPTION	
B0338	768	6-08-062: 3;4;10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM TO THE BASE OF THE FERNIE GRP	(CRG002101) (DRRZD 38) (DRRZD 276)
B0339	256	6-05-071: 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FERNIE GRP	(DRRZD 276)
B0340	256	6-05-071: 35 PETROLEUM AND NATURAL GAS	
B0341	256	6-04-072: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
B0342	256	6-04-072: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
B0343	256	6-05-072: 4 PETROLEUM AND NATURAL GAS	
B0344	256	TRACT ONE 6-05-072: 9W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM TRACT TWO 6-05-072: 9E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 247) (DRRZD 246)
B0345	256	6-05-072: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
B0346	256	6-06-076: 31 PETROLEUM AND NATURAL GAS	
B0347	1024	5-01-079: 2;9;11;15 PETROLEUM AND NATURAL GAS	(ADM011601)
B0348	1024	5-01-079: 16;21;28;33 PETROLEUM AND NATURAL GAS	(ADM011601)
B0349	2048	5-01-079: 27;34-36 5-01-080: 1-4 PETROLEUM AND NATURAL GAS	(ADM011601)
B0350	640	TRACT ONE 6-05-095: 19;20 PETROLEUM AND NATURAL GAS TRACT TWO 6-06-095: 13E PETROLEUM AND NATURAL GAS TO THE BASE OF THE SLAVE POINT FM	(CRG001701) (DRRZD 18)

2013, DECEMBER 18

LICENCE	HECTARES	LAND DESCRIPTION	
B0351	768	6-06-095: 25;26;35 PETROLEUM AND NATURAL GAS	(CRG001701)
--- Foothills Region ---			
B0352	512	5-04-020: 25;36 PETROLEUM AND NATURAL GAS	
B0353	512	5-04-020: 35 5-04-021: 2 PETROLEUM AND NATURAL GAS	
24	13,440.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

ZD: 99-1 ZONE: 2140 VIKING FM

INTERVAL: 1,940.00 - 2,120.00 FEET
KEY WELL: 00/10-04-023-03W4/0
LOG TYPE: ELECTRICAL

ZD: 228-1 ZONE: 6421 PEKISKO-BANFF

INTERVAL: 7,067.00 - 7,285.00 FEET
KEY WELL: 00/06-18-043-04W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 260 ZONE: 6380 ELKTON MBR

INTERVAL: 9,170.00 - 9,320.00 FEET
KEY WELL: 00/10-16-053-18W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 295 ZONE: 6380 ELKTON MBR

INTERVAL: 8,630.00 - 8,655.00 FEET
KEY WELL: 00/04-21-053-17W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 1029-1 ZONE: 2140 VIKING FM

INTERVAL: 2,641.00 - 2,675.00 FEET
KEY WELL: 00/11-32-035-06W4/0
LOG TYPE: ELECTRICAL

ZD: 2028 ZONE: 2140 VIKING FM

INTERVAL: 2,014.00 - 2,120.00 FEET
KEY WELL: 00/10-01-023-04W4/0
LOG TYPE: ELECTRICAL

ZD: 2281-1 ZONE: 3040 BLUESKY FM

INTERVAL: 8,115.00 - 8,183.00 FEET
KEY WELL: 00/06-31-053-17W5/0
LOG TYPE: INDUCTION ELECTRIC

 ZONE: 6380 ELKTON MBR

INTERVAL: 8,721.00 - 8,750.00 FEET
KEY WELL: 00/06-31-053-17W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 3125 ZONE: 3100 LOWER MANNVILLE FM

INTERVAL: 6,905.00 - 7,046.00 FEET
KEY WELL: 00/10-20-053-13W5/0
LOG TYPE: INDUCTION ELECTRIC

APPENDIX 1

PAGE 2

ZONE DESIGNATIONS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

ZD: 3155

ZONE: 6390 ELKTON-SHUNDA

INTERVAL: 9,210.00 - 9,329.00 FEET

KEY WELL: 00/11-27-045-12W5/0

LOG TYPE: BOREHOLE COMPENSATED SONIC

AND ANY ADDITIONAL STRATA OCCURRING BELOW THOSE DEFINED
ABOVE

AND, IN THE OPINION OF THE ALBERTA ENERGY AND UTILITIES
BOARD,
CONSTITUTING A PART OF THE ELKTON-SHUNDA FORMATION.

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

DRRZD: 3 ZONE: 1700 CARDIUM FM

INTERVAL: 6,303.00 - 6,436.00 FEET
KEY WELL: 00/16-16-041-06W5/0
LOG TYPE: ELECTRICAL

DRRZD: 4 ZONE: 2480 MANNVILLE GRP

INTERVAL: 2,557.00 - 2,985.00 FEET
KEY WELL: 00/06-16-041-08W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 6 ZONE: 2140 VIKING FM

INTERVAL: 2,600.00 - 2,680.00 FEET
KEY WELL: 00/10-10-042-14W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 12 ZONE: 1640 MEDICINE HAT SD

INTERVAL: 1,312.00 - 1,582.00 FEET
KEY WELL: 00/06-30-014-04W4/0
LOG TYPE: INDUCTION GAMMA RAY

DRRZD: 13 ZONE: 1860 SECOND WHITE SPECKS

INTERVAL: 1,820.00 - 2,030.00 FEET
KEY WELL: 00/10-17-014-09W4/0
LOG TYPE: INDUCTION ELECTRIC

DRRZD: 18 ZONE: 7580 SLAVE POINT FM

INTERVAL: 4,196.00 - 4,336.00 FEET
KEY WELL: 00/02-17-088-08W5/0
LOG TYPE: GAMMA RAY-ACOUSTIC

DRRZD: 21 ZONE: 3052 BLUESKY-BULLHEAD

INTERVAL: 2,754.00 - 3,043.00 FEET
KEY WELL: 00/10-32-081-01W6/0
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

DRRZD: 28 ZONE: 6300 TURNER VALLEY FM

INTERVAL: 5,817.00 - 6,172.00 FEET
KEY WELL: 00/08-30-019-02W5/0
LOG TYPE: GAMMA RAY NEUTRON

AND: ALL OTHER STRATA WHICH WERE DEPOSITED IN LATERAL
CONTINUITY
WITH THE STRATA DESCRIBED IN THE ABOVE INTERVAL
AND WHICH OCCUR IN
WHOLE OR IN PART WITHIN ANY OTHER FAULT
BLOCK.

DRRZD: 38 ZONE: 1920 DUNVEGAN FM

INTERVAL: 2,566.00 - 3,038.00 FEET
KEY WELL: 00/11-04-074-05W6/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

DRRZD: 39 ZONE: 1260 BELLY RIVER GRP

INTERVAL: 1,688.00 - 2,453.00 FEET
KEY WELL: 00/07-18-032-22W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 42 ZONE: 6120 DEBOLT FM

INTERVAL: 4,444.00 - 5,294.00 FEET
KEY WELL: 00/10-11-080-03W6/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DRRZD: 51 ZONE: 1700 CARDIUM FM

INTERVAL: 2,350.40 - 2,415.70 METRES
KEY WELL: 00/07-36-058-03W6/0
LOG TYPE: DUAL INDUCTION SFL

DRRZD: 57 ZONE: 6440 BANFF FM

INTERVAL: 4,247.00 - 4,776.00 FEET
KEY WELL: 00/02-24-056-05W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 60 ZONE: 4320 ROCK CREEK MBR

INTERVAL: 2,502.50 - 2,531.50 METRES
KEY WELL: 00/10-35-049-13W5/2
LOG TYPE: DUAL LATEROLOG

DRRZD: 66 ZONE: 4440 NORDEGG MBR

INTERVAL: 5,610.00 - 5,670.00 FEET
KEY WELL: 00/10-12-055-09W5/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

DRRZD: 77 ZONE: 1540 CHINOOK MBR

INTERVAL: 4,532.00 - 4,656.00 FEET
KEY WELL: 00/11-27-064-09W6/0
LOG TYPE: DUAL INDUCTION FOCUSED

DRRZD: 158 ZONE: 1860 SECOND WHITE SPECKS

INTERVAL: 2,241.00 - 2,348.00 METRES
KEY WELL: 00/10-19-051-16W5/0
LOG TYPE: DUAL INDUCTION FOCUSED

DRRZD: 217 ZONE: 6400 SHUNDA FM

INTERVAL: 1,626.70 - 1,745.80 METRES
KEY WELL: 02/06-22-080-03W6/0
LOG TYPE: DUAL INDUCTION FOCUSED LOG GAMMA RAY

DRRZD: 246 ZONE: 5160 HALFWAY FM

INTERVAL: 6,344.00 - 6,402.00 FEET
KEY WELL: 00/11-18-077-08W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

DRRZD: 247 ZONE: 5080 CHARLIE LAKE FM

INTERVAL: 2,372.00 - 2,448.50 METRES
KEY WELL: 00/10-19-068-06W6/0
LOG TYPE: DUAL INDUCTION SFL

DRRZD: 255 ZONE: 6440 BANFF FM

INTERVAL: 2,690.00 - 2,892.00 METRES
KEY WELL: 00/01-18-066-26W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 264 ZONE: 5240 MONTNEY FM

INTERVAL: 2,229.00 - 2,491.50 METRES
KEY WELL: 00/06-32-076-11W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 271 ZONE: 6040 STODDART GRP

INTERVAL: 7,170.00 - 8,095.00 FEET
KEY WELL: 00/07-17-078-10W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 273 ZONE: 2030 FISH SCALE-WESTGATE

INTERVAL: 794.00 - 841.00 METRES
KEY WELL: 02/06-13-011-20W4/0
LOG TYPE: INDUCTION ELECTRIC

DRRZD: 276 ZONE: 4140 FERNIE GRP

INTERVAL: 2,048.00 - 2,151.00 METRES
KEY WELL: 00/13-01-074-11W6/0
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 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

ADM001801

LEASE A0233

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:

DAVID WHEELER
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 644-3619

ADM001901

LEASE A0323
LEASE A0324
LEASE A0325

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:

DAVID WHEELER
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 644-3619

APPENDIX 3

PAGE 2

ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

ADM011601

LICENCE B0347
LICENCE B0348
LICENCE B0349

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:

DAVID WHEELER
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 644-3619

BWP001802

LICENCE B0333

ALL LAND(S) IS/ARE WITHIN A 'BUCK FOR WILDLIFE' PROJECT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE HOBSON
WILDLIFE BIOLOGIST
EDSON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
111 54 ST SUITE 203
EDSON AB T7E 1T2 (780) 723-8518

CFB001001

LEASE A0157

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:

BOB BARON
SUPERVISOR, RANGE SAFETY
SUFFIELD INDUSTRY RANGE CONTROL LTD.
500 CENTRE ST SE
PO BOX 766
CALGARY AB T2P 0M5 (403) 544-4485

ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

CFB001002

LEASE A0157

ALL LAND(S) IS/ARE WITHIN CANADIAN FORCES BASE SUFFIELD. ALL OIL AND GAS EXPLORATION AND DEVELOPMENT ACTIVITIES WITHIN THE SUFFIELD MILITARY BASE CAN ONLY BE CONDUCTED FOLLOWING JOINT EXECUTION OF A SURFACE ACCESS AGREEMENT BY THE ALBERTA DEPARTMENT OF ENERGY, SUFFIELD INDUSTRY RANGE CONTROL LTD. (RANGE SAFETY) AND THE LESSEE HOLDING THE P & NG RIGHTS AND WITH PRIOR APPROVAL OF RANGE SAFETY.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVID WHEELER
MANAGER
ALBERTA DEPARTMENT OF ENERGY
9945 108 ST
EDMONTON AB T5K 2G6 (780) 644-3619

CRG001701 LAND DESCRIPTION

LEASE A0328 6-04-088: 16SP,N
LEASE A0329
LICENCE B0350
LICENCE B0351

IS/ARE WITHIN AN IMPORTANT CARIBOU RANGE. SPECIFIC AREA BIOLOGIST CONTACT INFORMATION CAN BE FOUND AT WWW.SRD.ALBERTA.CA AND THEN SEARCHING FOR ' WILDLIFE MANAGEMENT AREA CONTACTS'.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

TERRY KOSINSKI
WILDLIFE BIOLOGIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
RESOURCE STATUS & ASSESSMENT BRANCH
6909 116 ST NW FLOOR 7
EDMONTON AB T6H 4P2 (780) 427-3574

CRG002101 LAND DESCRIPTION

LICENCE B0337
LICENCE B0338 6-08-062: 3S,NWP,NE;4S,NP;10E,WP

IS/ARE WITHIN AN IMPORTANT CARIBOU RANGE. SPECIFIC AREA BIOLOGIST CONTACT INFORMATION CAN BE FOUND AT WWW.SRD.ALBERTA.CA AND THEN SEARCHING FOR ' WILDLIFE MANAGEMENT AREA CONTACTS'.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

TERRY KOSINSKI
WILDLIFE BIOLOGIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
RESOURCE STATUS & ASSESSMENT BRANCH
6909 116 ST NW FLOOR 7
EDMONTON AB T6H 4P2 (780) 427-3574

DMR000701 LAND DESCRIPTION

LEASE A0148 4-18-008: 24NP

IS/ARE WITHIN A DAMSITE AND RESERVOIR. NO ACTIVITY WILL BE PERMITTED BELOW THE TOP OF THE DAM ELEVATION OR THE FULL SUPPLY LEVEL OF THE RESERVOIR.

SURFACE ACCESS IS NOT PERMITTED

APPENDIX 3

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ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

FOR FURTHER INFORMATION, PLEASE CONTACT:

OWEN GIBSON
LAND & CONTRACT MANAGEMENT
ENVIRONMENT AND WATER, DEPARTMENT OF
REGIONAL DIRECTOR
SOUTHERN REGION
OPERATIONS
200 5 AVE S FLOOR 2
LETHBRIDGE AB T1J 4L1 (403) 381-5298

ES2000101

LEASE A0253
LEASE A0254

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) AS DESCRIBED IN "A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES".

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE HOBSON
WILDLIFE BIOLOGIST
EDSON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
111 54 ST SUITE 203
EDSON AB T7E 1T2 (780) 723-8518

ES2000102

	LAND DESCRIPTION
LEASE A0284	5-17-053: 2SP,NEP
LEASE A0285	5-17-053: 2SP,NEP

IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) AS DESCRIBED IN "A POLICY FOR RESOURCE MANAGEMENT OF THE EASTERN SLOPES".

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE HOBSON
WILDLIFE BIOLOGIST
EDSON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
111 54 ST SUITE 203
EDSON AB T7E 1T2 (780) 723-8518

ESA000701

LEASE A0145

ALL LAND(S) IS/ARE WITHIN AN ENVIRONMENTALLY SIGNIFICANT AREA.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LOWELL CALDER
PUBLIC LANDS OFFICER
LETHBRIDGE NORTH OFFICE-RANGELAND DISTRICT-LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
5401 1 AVE S FLOOR 1
LETHBRIDGE AB T1J 4V6 (403) 382-4290

GZR000201

LEASE A0145

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

FOR FURTHER INFORMATION, PLEASE CONTACT:

JAKE WILLMS
PGR RANGELAND AGROLOGIST
LETHBRIDGE OFFICE - PUBLIC LANDS DEPT. OF SUSTAINABLE RESOURCE DEV
5401 1 AVE S SUITE 100
LETHBRIDGE AB T1J 4V6 (403) 382-4287

GZR001201

LEASE A0233

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

JIM LINDQUIST
PGR RANGELAND AGROLOGIST
ST PAUL OFFICE - RANGELAND DISTRICT - LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
5025 49 AVE
PO BOX 417
ST PAUL AB T0A 3A4 (780) 645-6336

IR2000402

LAND DESCRIPTION

LEASE A0239 5-06-035: 15WP,L2P

IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF THE NORDEGG-RED DEER RIVER INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

ANNE HUBBS
SENIOR WILDLIFE BIOLOGIST
ROCKY MOUNTAIN HOUSE OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE
DEV
PO BOX 1720
ROCKY MOUNTAIN HOUSE AB T4T 1B3 (403) 845-8235

IR2000601

LAND DESCRIPTION

LEASE A0245 5-11-045: 34L3P,L4P
LEASE A0246 5-11-045: 34L3P,L4P

IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF THE BRAZEAU-PEMBINA INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

ANNE HUBBS
SENIOR WILDLIFE BIOLOGIST
ROCKY MOUNTAIN HOUSE OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE
DEV
PO BOX 1720
ROCKY MOUNTAIN HOUSE AB T4T 1B3 (403) 845-8235

PDR001101

LAND DESCRIPTION

LEASE A0245 5-11-045: 34L1,L2,L3P,L4P;35L4
LEASE A0246 5-11-045: 34L1,L2,L3P,L4P;35L4

IS/ARE WITHIN A PROPOSED DAMSITE AND RESERVOIR. NO ACTIVITY WILL BE PERMITTED BELOW THE TOP OF DAM ELEVATION OR THE FULL SUPPLY LEVEL OF THE RESERVOIR.

SURFACE ACCESS IS NOT PERMITTED

APPENDIX 3

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ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE

FOR FURTHER INFORMATION, PLEASE CONTACT:

ROBERT SHORTEN
LAND MANAGMENT TECHNOLOGIST
ENVIRONMENT AND WATER, DEPARTMENT OF
REGIONAL DIRECTOR
WATER MANAGEMENT OPERATIONS
4920 51 ST SUITE 304
RED DEER AB T4N 6K8 (403) 340-7134

POW000101 LAND DESCRIPTION
LEASE A0245 5-11-045: 34N,L5-L8;35N,SE,L3,L5,L6
LEASE A0246 5-11-045: 34N,L5-L8;35N,SE,L3,L5,L6
LEASE A0247 5-11-046: 2S,NW,NEP;3
LEASE A0248 5-11-046: 2S,NW,NEP;3
LEASE A0249
LEASE A0250

IS/ARE WITHIN A HYDRO-ELECTRIC POWER DEVELOPMENT.

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

ROBERT SHORTEN
LAND MANAGMENT TECHNOLOGIST
ENVIRONMENT AND WATER, DEPARTMENT OF
REGIONAL DIRECTOR
WATER MANAGEMENT OPERATIONS
4920 51 ST SUITE 304
RED DEER AB T4N 6K8 (403) 340-7134

TSH003301 LAND DESCRIPTION
LEASE A0326 6-04-088: 4NP,SEP,SW
LEASE A0328 6-04-088: 16SP,NWP

IS/ARE WITHIN AN IMPORTANT TRUMPETER SWAN HABITAT. SPECIFIC AREA BIOLOGIST CONTACT INFORMATION CAN BE FOUND AT WWW.SRD.ALBERTA.CA AND THEN SEARCHING FOR 'WILDLIFE MANAGEMENT AREA CONTACTS'.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

TERRY KOSINSKI
WILDLIFE BIOLOGIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
RESOURCE STATUS & ASSESSMENT BRANCH
6909 116 ST NW FLOOR 7
EDMONTON AB T6H 4P2 (780) 427-3574

WPP002101
LEASE A0325

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
PARKS AND PROTECTED AREAS
POLICY AND LAND USE PLANNING
SECTION
9820 106 ST NW FLOOR 2
EDMONTON AB T5K 2J6 (780) 644-5357

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2013, DECEMBER 18 PUBLIC OFFERING NOTICE