

2016 SEPTEMBER 28

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2016.09.28

From	To	Total	Area
LEASES: A0144	A0206	63	24,350.8800 ha.
LICENCES: B0207	B0221	15	31,330.5176 ha.

		78	55,681.3976 ha.

PUBLIC OFFERING OF CROWN
PETROLEUM AND NATURAL GAS RIGHTS

BIDDING DEADLINE

Offers to purchase petroleum and natural gas leases and licences (including any subsequent amendments) contained in this notice will **not** be accepted after **12 noon on 2016 September 28**.

HOW TO SUBMIT BIDS

1. E-Bidding is mandatory for the submission of bids for petroleum and natural gas leases and licences.
2. Bid requests must be submitted using the Department of Energy's Electronic Transfer System (ETS).

AMOUNT OF PAYMENT

1. Your total bid includes the bonus, rent at \$3.50/ha or \$50.00, whichever is greater, and a fee of \$625.00.
2. A bonus offer of less than \$2.50/ha for a lease or \$1.25/ha for a licence will not be considered.
3. The department reserves the right to reject any bid.

FORM OF PAYMENT

1. Payments must be made by electronic funds transfer (EFT) only.
2. Companies and individuals that do not have a GST registration number are liable for payment of the Goods and Services Tax on various charges. All registrants must ensure that they provide their GST registration number in writing to the Financial Services Branch @ Fax No. (780) 422-4281.

REMEMBER

1. The bidder is responsible for having sufficient funds to cover all bids in their EFT bank account by noon on the day of the sale. It can take up to midnight on the day following the sale to see your funds debited from your bank account for an accepted bid.
2. Requesters of parcels posted in this public offering are expected to bid on their parcels. If you are a requester of a parcel and fail to bid, you will be charged a penalty of \$625.00 (plus GST) for each parcel unless it is purchased by someone else.
3. Attached to this notice are APPENDIX 1 and APPENDIX 2 containing applicable Zone Designations (ZDs) and Deeper Rights Reversion Zone Designations (DRRZDs) respectively (See IL 98-14), and APPENDIX 3 containing, where necessary, addenda relating to surface access and terms and conditions for acquisition of parcels within Metis Settlements (See IL 92-19).
4. Addenda do not cover every access situation. Before bidding ensure that the public land manager is contacted for specific access constraints and for standard operating guidelines for that region. On privately owned lands, access approval is a confidential matter between the landowner and the mineral lessee.
5. The Government of Alberta's *"First Nations Consultation Policy on Land Management and Resource Development"* may apply to surface activities proposed as a result of acquiring Crown mineral rights. For information contact SREM Aboriginal Affairs Branch, Alberta Energy and Environment and Sustainable Resource Development at 780-644-8734.

RESULTS OF THE PUBLIC OFFERING

1. The accepted bids information will be available on **2016 September 28** in the afternoon on the Department's website at <http://www.energy.gov.ab.ca>.
2. All agreements are issued in accordance with the Mines & Minerals Act and its regulations.

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LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0144	256	4-11-001: 9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0145	256	4-11-001: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0146	256	4-11-001: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE LIVINGSTONE FM	(DRRZD 4) (DRRZD 236)
A0147	256	4-11-001: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0148	256	4-12-001: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0149	256	4-12-001: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0150	256	4-12-001: 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0151	256	4-12-001: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE LIVINGSTONE FM	(DRRZD 236)
A0152	2816	4-19-001: 1-3; 9-11; 14-16; 23; 24 PETROLEUM AND NATURAL GAS	(GZR000201)
A0153	64	4-18-012: 6SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0154	768	4-10-014: 25; 26; 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0155	256	4-10-014: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0156	64	4-26-014: 12SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(PDR000501) (DRRZD 8)

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LEASE	HECTARES	LAND DESCRIPTION
A0157	256	
	TRACT ONE	4-26-014: 14S,NE PETROLEUM AND NATURAL GAS
	TRACT TWO	4-26-014: 14NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD (DRRZD 8)
A0158	256	4-10-017: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BASAL COLORADO SD (DRRZD 48)
A0159	64	4-14-023: 23SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP (DRRZD 4)
A0160	256	4-01-026: 2 PETROLEUM AND NATURAL GAS
A0161	256	4-01-026: 3 PETROLEUM AND NATURAL GAS
A0162	256	4-01-026: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM (DRRZD 6)
A0163	256	4-01-026: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM (DRRZD 6)
A0164	256	4-01-026: 19 PETROLEUM AND NATURAL GAS
A0165	320	4-01-026: 26NE; 35 PETROLEUM AND NATURAL GAS
A0166	256	4-01-026: 32 PETROLEUM AND NATURAL GAS
A0167	256	4-01-026: 34 PETROLEUM AND NATURAL GAS
A0168	256	4-01-027: 2 PETROLEUM AND NATURAL GAS
A0169	256	4-01-027: 3 PETROLEUM AND NATURAL GAS
A0170	256	4-01-027: 4 PETROLEUM AND NATURAL GAS
A0171	256	4-01-027: 9 PETROLEUM AND NATURAL GAS
A0172	128	4-01-027: 10S PETROLEUM AND NATURAL GAS

PETROLEUM AND NATURAL GAS LEASES

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LEASE	HECTARES	LAND DESCRIPTION	
A0173	2560		
TRACT ONE		4-16-035: 28; 29 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-16-036: 6 4-17-036: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
TRACT THREE		4-17-035: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT FOUR		4-17-035: 34N PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT FIVE		4-16-035: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
TRACT SIX		4-16-035: 18 4-17-035: 34S PETROLEUM AND NATURAL GAS TO THE BASE OF THE EDMONTON GRP	(DRRZD 280)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT SEVEN		4-16-035: 20 4-17-036: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

A0174	3072		
TRACT ONE		4-17-036: 7 4-18-036: 4SE PETROLEUM AND NATURAL GAS	
TRACT TWO		4-18-036: 12E; 13SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
TRACT THREE		4-18-035: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT FOUR		4-18-036: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
TRACT FIVE		4-17-036: 17SW; 18 4-18-035: 4; 16; 28 4-18-036: 2; 4SW; 11; 12W; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

A0175	2688		
TRACT ONE		4-19-036: 24 PETROLEUM AND NATURAL GAS	
TRACT TWO		4-18-036: 18 4-19-035: 34W 4-19-036: 4; 12; 14; 16; 18; 20; 22; 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)

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LEASE	HECTARES	LAND DESCRIPTION	
A0176	256	4-20-036: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0177	256	4-21-036: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0178	128	4-21-036: 24E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0179	128	4-03-037: 2N PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 1035-1)
A0180	128	4-03-037: 3N PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 1035-1)
A0181	256	4-02-039: 34 PETROLEUM AND NATURAL GAS	
A0182	128	4-02-039: 36S PETROLEUM AND NATURAL GAS	(SHA007201)
A0183	64	4-04-039: 24SE PETROLEUM AND NATURAL GAS	
A0184	64	4-04-039: 24SW PETROLEUM AND NATURAL GAS	
A0185	64	4-04-039: 24NW PETROLEUM AND NATURAL GAS	
A0186	21.96	4-02-040: 1SWP PORTION(S) DESIGNATED AS GILLESPIE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1904/12/13. PETROLEUM AND NATURAL GAS	(SHA007201)
A0187	256	4-28-041: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0188	192	4-09-043: 30S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0189	8.92	4-04-045: 25SWP PORTION(S) DESIGNATED AS MILLARD LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1904/06/25. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

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LEASE	HECTARES	LAND DESCRIPTION	
A0190	192		
	TRACT ONE	5-03-047: 36SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-03-047: 36N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0191	64	4-05-049: 6NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE FISH SCALE-WESTGATE	(DRRZD 274)
A0192	128	4-07-052: 24W PETROLEUM AND NATURAL GAS	
--- NORTHERN REGION ---			
A0193	64	5-13-047: 32NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(SHA007901) (DRRZD 39)
A0194	128	5-12-060: 36E PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(SHA008001) (DRRZD 30)
A0195	128	6-04-065: 20S PETROLEUM AND NATURAL GAS TO THE TOP OF THE MONTNEY FM	(SHA008201) (DRRZD 264)
A0196	256	4-21-067: 2 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0197	256	6-05-069: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE STODDART GRP	(SHA006701) (SHA007001) (DRRZD 86) (DRRZD 31)
A0198	256	6-05-069: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE STODDART GRP	(SHA006701) (DRRZD 86) (DRRZD 31)
A0199	64	4-15-072: 9SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE GROSMONT FM	(ADM011601) (DRRZD 26)
A0200	64	4-15-072: 24NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE GROSMONT FM	(ADM011601) (DRRZD 26)
A0201	512	5-14-072: 3; 9 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(SHA008001) (DRRZD 22)

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LEASE	HECTARES	LAND DESCRIPTION	
A0202	256	6-05-072: 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
A0203	256	6-12-075: 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
A0204	256	TRACT ONE 6-09-076: 25NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE MONTNEY FM	(DRRZD 264)
		TRACT TWO 6-09-076: 25S,NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(DRRZD 40)
A0205	64	5-20-078: 28SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(ADM001901) (DRRZD 21)
A0206	1280	5-22-081: 14; 15; 21-23 PETROLEUM AND NATURAL GAS	(ADM001901)
63	24,350.88	HA TOTALS	END

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LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0207	1024	5-06-039: 28 5-06-040: 4; 16; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0208	512	5-07-040: 35 5-07-041: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0209	4864	5-19-050: 9; 15-18; 21; 31; 34 5-19-051: 5; 6; 8; 17; 20 5-20-050: 13; 23-26; 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE BASE OF THE NORDEGG MBR	(PRA010801) (SHA007901) (DRRZD 22) (DRRZD 66)
B0210	1280		(IR2000702) (PDM001401) (SHA006701) (SHA007001) (SHA008201)
TRACT ONE		5-23-052: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
TRACT TWO		5-23-052: 28; 33-35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0211	4529.26		(SHA006701) (SHA008001) (TSH003301)
TRACT ONE		5-14-060: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 280) (DRRZD 277)
TRACT TWO		5-13-060: 14S,NP PORTION(S) LYING OUTSIDE ALEXIS WHITECOURT INDIAN RESERVE NO. 232. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 6) (DRRZD 277)
TRACT THREE		5-13-059: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE WABAMUN GRP	(DRRZD 4) (DRRZD 277)
TRACT FOUR		5-13-060: 4; 8; 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE WABAMUN GRP	(DRRZD 60) (DRRZD 277)
TRACT FIVE		5-13-060: 7; 11 5-14-060: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR TO THE BASE OF THE WABAMUN GRP	(DRRZD 66) (DRRZD 277)
TRACT SIX		5-13-059: 33-35 5-13-060: 1-3; 10; 12; 13S,NP PORTION(S) LYING OUTSIDE ALEXIS WHITECOURT INDIAN RESERVE NO. 232. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 30) (DRRZD 277)
B0212	4529.26		(SHA006701) (SHA008001) (TSH003301)
		5-13-059: 33-36 5-13-060: 1-4; 7-12; 13S,NP PORTION(S) LYING OUTSIDE ALEXIS WHITECOURT INDIAN RESERVE NO. 232. 14S,NP PORTION(S) LYING OUTSIDE ALEXIS WHITECOURT INDIAN RESERVE NO. 232. 5-14-060: 12; 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
B0213	1024		(SHA008201)
		5-16-059: 12; 13; 22; 24 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
B0214	1280		(SHA008201)
		5-17-059: 21; 24-26; 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BANFF FM EXCEPTING NATURAL GAS IN THE GETHING FM	(DRRZD 255) (ZD 3254)
B0215	768		(SHA003501) (SHA006701) (SHA008201)
		5-16-060: 14; 20; 28 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BANFF FM	(DRRZD 255)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0216	4352	5-14-061: 4; 6; 7; 18-23; 27-34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(SHA008001) (DRRZD 277)
B0217	4352	TRACT ONE 5-14-061: 7; 18; 21; 22; 28; 30; 31; 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE BASE OF THE WABAMUN GRP	(SHA008001) (DRRZD 22) (DRRZD 277)
		TRACT TWO 5-14-061: 4; 6; 19; 20; 23; 29; 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE WABAMUN GRP	(DRRZD 21) (DRRZD 277)
		TRACT THREE 5-14-061: 27; 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEKISKO FM TO THE BASE OF THE WABAMUN GRP	(DRRZD 30) (DRRZD 277)
B0218	1024	6-09-085: 5; 6; 8; 17 PETROLEUM AND NATURAL GAS	
B0219	512	6-11-085: 34; 35 PETROLEUM AND NATURAL GAS	
B0220	512	5-19-097: 24; 25 PETROLEUM AND NATURAL GAS	(SHA007001)
B0221	768	5-19-097: 30-32 PETROLEUM AND NATURAL GAS	(SHA006701)
15	31,330.52	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

ZD: 1035-1 ZONE: 2140 VIKING FM
INTERVAL: 2205.00 - 2293.00 FEET
KEY WELL: 00/11-18-037-02W4/0
LOG TYPE: ELECTRICAL

 ZONE: 2460 UPPER BLAIRMORE
INTERVAL: 2379.00 - 2554.00 FEET
KEY WELL: 00/11-18-037-02W4/0
LOG TYPE: ELECTRICAL

ZD: 3254 ZONE: 3260 GETTING FM
INTERVAL: 6703.00 - 6890.00 FEET
KEY WELL: 00/11-28-059-17W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

DRRZD: 3 ZONE: 1700 CARDIUM FM

INTERVAL: 6303.00 - 6436.00 FEET
KEY WELL: 00/16-16-041-06W5/0
LOG TYPE: ELECTRICAL

DRRZD: 4 ZONE: 2480 MANNVILLE GRP

INTERVAL: 2557.00 - 2985.00 FEET
KEY WELL: 00/06-16-041-08W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 6 ZONE: 2140 VIKING FM

INTERVAL: 2600.00 - 2680.00 FEET
KEY WELL: 00/10-10-042-14W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 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: 13 ZONE: 1860 SECOND WHITE SPECKS

INTERVAL: 1820.00 - 2030.00 FEET
KEY WELL: 00/10-17-014-09W4/0
LOG TYPE: INDUCTION ELECTRIC

DRRZD: 21 ZONE: 3052 BLUESKY-BULLHEAD

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

DRRZD: 22 ZONE: 2640 SPIRIT RIVER FM

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

DRRZD: 26 ZONE: 7160 GROSMONT FM

INTERVAL: 1350.00 - 1746.00 FEET
KEY WELL: 00/10-29-077-18W4/0
LOG TYPE: SONIC

DRRZD: 30 ZONE: 6420 PEKISKO FM

INTERVAL: 9232.00 - 9390.00 FEET
KEY WELL: 00/07-13-033-05W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 31 ZONE: 6040 STODDART GRP

INTERVAL: 7440.00 - 8058.00 FEET
KEY WELL: 00/07-17-078-10W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

DRRZD: 40 ZONE: 2280 PEACE RIVER FM

INTERVAL: 3760.00 - 4008.00 FEET
KEY WELL: 00/07-09-076-08W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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: 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: 86 ZONE: 5240 MONTNEY FM

INTERVAL: 2202.00 - 2489.00 METRES
KEY WELL: 00/06-32-076-11W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 236 ZONE: 6280 LIVINGSTONE FM

INTERVAL: 971.00 - 1108.00 METRES
KEY WELL: 00/08-20-014-15W4/0
LOG TYPE: DUAL INDUCTION SFL

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: 255 ZONE: 6440 BANFF FM

INTERVAL: 2690.00 - 2892.00 METRES
KEY WELL: 00/01-18-066-26W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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: 274 ZONE: 2030 FISH SCALE-WESTGATE

INTERVAL: 1420.00 - 1594.00 FEET
KEY WELL: 00/11-05-045-01W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

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 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0205
LEASE A0206

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

ADM011601 ATHABASCA OIL SANDS DESIGNATED AREA

LEASE A0199
LEASE A0200

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

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

GZR000201 TWIN RIVER

LEASE A0152

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

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

APPENDIX 3

PAGE 2

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

IR2000702 **COAL BRANCH**
 LAND DESCRIPTION
LICENCE B0210 5-23-052: 33NP,SWP
 5-23-052: 36NP,SE,SWP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:
JEFF KNETEMAN
SENIOR WILDLIFE BIOLOGIST
HINTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
131 CIVIC CENTRE RD FLOOR 3
HINTON AB T7V 1E6 (780) 865-8264

PDM001401 **COAL VALLEY RESOURCES INC OBED MINE #1791**
 LAND DESCRIPTION
LICENCE B0210 5-23-052: 28N,SW; 33S

ALL LAND(S) IS/ARE WITHIN A PERMIT TO DEVELOP A COAL MINE, GRANTED UNDER THE COAL CONSERVATION ACT. PROSPECTIVE PURCHASERS ARE ADVISED THAT LAND USE PROBLEMS RELATING TO THE MINE OPERATIONS MAY ARISE.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:
BRENDA MASON
MANAGER, LAND ADMINISTRATION
COAL VALLEY RESOURCES INC.
10123 99 ST NW SUITE 1100
EDMONTON AB T5J 3H1 (780) 420-4092

PDR000501 **CLEAR LAKE**
LEASE A0156

ALL LAND(S) 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

FOR FURTHER INFORMATION, PLEASE CONTACT:
OWEN GIBSON
LAND & CONTRACT MANAGEMENT
ENVIRONMENT AND WATER, DEPARTMENT OF
WATER MANAGEMENT OPERATIONS
4920 51 ST SUITE 304
RED DEER AB T4N 6K8 (403) 381-5298

PRA010801 **WEALD**
 LAND DESCRIPTION
LICENCE B0209 5-19-051: 6NEP

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
PROVINCIAL BUILDING FLOOR 2
9503 BEAVERHILL ROAD
PO BOX 1019
LAC LA BICHE AB T0A 2C0 (780) 644-5357

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

SHA003501 UNGULATE MIGRATION CORRIDOR

LAND DESCRIPTION
LICENCE B0215 5-16-060: 28NP

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

CURTIS STAMBAUGH
AREA WILDLIFE BIOLOGIST
WHITECOURT OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
PROVINCIAL BUILDING
5020 52 AVE
WHITECOURT AB T7S 1N2 (780) 778-7119

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

LAND DESCRIPTION
LEASE A0197 6-05-069: 23SEP
6-05-069: 23N,SW
LEASE A0198
LICENCE B0210 5-23-052: 28NWP; 33SP
5-23-052: 33NW,NEP; 34NWP
LICENCE B0211 5-13-059: 35NEP; 36NP
5-13-060: 1; 2SP,NWP
5-13-060: 2NE; 3NP; 4NWP; 7SEP
5-13-060: 7N,SW; 8SP
5-13-060: 8N; 9SP
5-13-060: 9N; 10SE,SWP
5-13-060: 10N; 11; 12; 13S,NP
5-13-060: 14S,NP
5-14-060: 12SE,SWP
5-14-060: 12N; 13
LICENCE B0212 5-13-059: 35NEP; 36NP
5-13-060: 1; 2SP,NWP
5-13-060: 2NE; 3NP; 4NWP; 7SEP
5-13-060: 7N,SW; 8SP
5-13-060: 8N; 9SP
5-13-060: 9N; 10SE,SWP
5-13-060: 10N; 11; 12; 13S,NP
5-13-060: 14S,NP
5-14-060: 12SE,SWP
5-14-060: 12N; 13
LICENCE B0215 5-16-060: 20SP
5-16-060: 20N; 28
LICENCE B0221

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

LAND DESCRIPTION
LEASE A0197 6-05-069: 23SEP
LICENCE B0210 5-23-052: 35SEP
5-23-052: 36WP,SE
5-23-052: 36NE
LICENCE B0220

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

SHA007201 PIPING PLOVER

LAND DESCRIPTION
LEASE A0182 4-02-039: 36SP
LEASE A0186 4-02-040: 1SWP

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

SHA007901 YELLOWHEAD GRIZZLY BEAR ZONE

LAND DESCRIPTION
LEASE A0193
LICENCE B0209 5-19-050: 18P; 30P
5-19-050: 31; 34P
5-19-051: 5; 6; 8; 17; 20P
5-20-050: 13P
5-20-050: 23-26; 36

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 2016 SEPTEMBER 28 PUBLIC OFFERING NOTICE

SHA008001 SWAN HILLS GRIZZLY BEAR ZONE

LAND DESCRIPTION

LEASE A0194
LEASE A0201 5-14-072: 3P
LICENCE B0211 5-13-060: 13SWP,NEP; 14SEP,NWP
LICENCE B0212 5-13-060: 13SP; 14EP
LICENCE B0216 5-14-061: 4; 7P
5-14-061: 18-23; 27-34
LICENCE B0217 5-14-061: 4; 7P
5-14-061: 18-23; 27-34

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

SHA008201 GRANDE CACHE GRIZZLY BEAR ZONE

LAND DESCRIPTION

LEASE A0195
LICENCE B0210 5-23-052: 28P
5-23-052: 33; 34P
LICENCE B0213
LICENCE B0214
LICENCE B0215

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

TSH003301 TRUMPETER SWAN HABITAT

LAND DESCRIPTION

LICENCE B0211 5-13-060: 1SP
5-13-060: 1NW,NEP; 2NP,SEP; 3NEP; 10EP; 11SEP
5-13-060: 11NP,SW; 12SP
LICENCE B0212 5-13-060: 1SP
5-13-060: 1NW,NEP; 2NP,SEP; 3NEP; 10EP; 11SEP
5-13-060: 11NP,SW; 12SP

ALL LAND(S) IS/ARE WITHIN AN IMPORTANT TRUMPETER SWAN HABITAT. Specific area biologist contact information can be found at www.esrd.alberta.ca and then searching for 'Wildlife Management Area Contacts'.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

END