

2015 OCTOBER 14

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta 
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2015.10.14

From	To	Total	Area
LEASES: A0112	A0190	79	19,024.0000 ha.
LICENCES: B0191	B0202	12	7,744.0000 ha.

		91	26,768.0000 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 2015 October 14**.

HOW TO SUBMIT BIDS

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

AMOUNT OF PAYMENT

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

FORM OF PAYMENT

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

REMEMBER

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

RESULTS OF THE PUBLIC OFFERING

1. The accepted bids information will be available on **2015 August 19** 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 ---			
A0112	768		(ESA000502) (SHA005101) (SHA005601) (SHA005701) (SHA007601)
	TRACT ONE	4-05-002: 9 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-05-002: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT THREE	4-05-002: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0113	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-002: 25 PETROLEUM AND NATURAL GAS	
A0114	64		(SHA005601) (SHA005701) (SHA007601)
		4-05-002: 26NE PETROLEUM AND NATURAL GAS	
A0115	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-002: 35 PETROLEUM AND NATURAL GAS	
A0116	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-002: 36 PETROLEUM AND NATURAL GAS	
A0117	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-003: 1 PETROLEUM AND NATURAL GAS	
A0118	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-003: 2 PETROLEUM AND NATURAL GAS	
A0119	256		(SHA005601) (SHA005701) (SHA007601)
		4-05-003: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0120	256		(GZR000101) (SHA005601) (SHA005701) (SHA007601)
		4-05-003: 12 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0121	256	4-16-026: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0122	256	4-12-028: 35 PETROLEUM AND NATURAL GAS	
A0123	256	4-01-031: 22 PETROLEUM AND NATURAL GAS	
A0124	256	4-09-033: 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 6) (DRRZD 4)
A0125	256	4-09-033: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0126	256	TRACT ONE 4-09-033: 32S,NW 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 MANNVILLE GRP TRACT TWO 4-09-033: 32NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 13) (DRRZD 6) (DRRZD 4) (DRRZD 4)
A0127	192	4-17-033: 13N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0128	256	4-05-034: 28 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0129	256	4-05-034: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0130	256	4-12-034: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
A0131	256	4-17-034: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0132	320	TRACT ONE 4-18-034: 26NE PETROLEUM AND NATURAL GAS TRACT TWO 4-18-034: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)

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LEASE	HECTARES	LAND DESCRIPTION	
A0133	256	4-11-035: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0134	256	4-12-035: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0135	256	4-11-036: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0136	256	4-11-036: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0137	64	5-03-036: 36SW PETROLEUM AND NATURAL GAS	
A0138	256	TRACT ONE 4-22-038: 2SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE GLAUCONITIC SS	(ZD 3064)
		TRACT TWO 4-22-038: 2N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)
A0139	128	4-22-038: 2E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0140	64	4-01-039: 20SE PETROLEUM AND NATURAL GAS	
A0141	64	4-01-039: 20SW PETROLEUM AND NATURAL GAS	
A0142	64	4-01-039: 20NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0143	64	4-01-039: 20NE PETROLEUM AND NATURAL GAS	
A0144	256	4-04-040: 3 PETROLEUM AND NATURAL GAS	
A0145	144	4-04-040: 4NE, L7, L8, L11, L13, L14 PETROLEUM AND NATURAL GAS	
A0146	256	4-11-047: 36 PETROLEUM	
A0147	256	4-20-047: 16 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0148	64	4-17-049: 34SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0149	256	4-25-049: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE MANNVILLE GRP	(DRRZD 39) (DRRZD 4)
A0150	256	4-10-051: 22 PETROLEUM AND NATURAL GAS	
A0151	256	4-12-054: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0152	256	4-13-054: 12 PETROLEUM AND NATURAL GAS	
A0153	256	4-16-062: 9 PETROLEUM AND NATURAL GAS	
A0154	256	4-16-062: 11 PETROLEUM AND NATURAL GAS	
--- NORTHERN REGION ---			
A0155	256		(SHA006701)
	TRACT ONE	5-10-047: 31L4,L5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP TO THE BASE OF THE NISKU FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE CARDIUM FM	(DRRZD 280) (DRRZD 79) (DRRZD 3)
	TRACT TWO	5-10-047: 31N,SE,L3,L6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR TO THE BASE OF THE NISKU FM	(DRRZD 66) (DRRZD 79)
A0156	256	5-10-047: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
A0157	256	5-16-052: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
A0158	256	5-16-052: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
A0159	256		(ES2000103) (SHA006501) (SHA006701)
		6-01-063: 21 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(DRRZD 40)

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LEASE	HECTARES	LAND DESCRIPTION	
A0160	256	6-01-064: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE FERNIE GRP	(DRRZD 51) (DRRZD 276)
A0161	256	6-02-066: 4 PETROLEUM AND NATURAL GAS	(SHA006701)
A0162	256	4-17-067: 19 PETROLEUM AND NATURAL GAS	
A0163	256	4-17-067: 20 PETROLEUM AND NATURAL GAS	
A0164	256	4-17-067: 21 PETROLEUM AND NATURAL GAS	
A0165	256	4-17-067: 29 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW MBR EXCEPTING NATURAL GAS IN THE NISKU FM	(ZD 2514) (ZD 2514-A)
A0166	256	4-17-067: 30 PETROLEUM AND NATURAL GAS	
A0167	256	4-17-067: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 23)
A0168	256	4-17-067: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP EXCEPTING NATURAL GAS IN THE NISKU FM	(DRRZD 4) (ZD 2514-A)
A0169	256	4-17-067: 33 PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE WABISKAW MBR EXCEPTING NATURAL GAS IN THE NISKU FM	(ZD 2514) (ZD 2514-A)
A0170	256	4-18-067: 36 PETROLEUM AND NATURAL GAS	
A0171	256	6-05-067: 29 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(SHA006701) (DRRZD 277)
A0172	256	6-08-067: 5 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
A0173	256	4-17-068: 5 PETROLEUM AND NATURAL GAS	
A0174	256	4-17-068: 6 PETROLEUM AND NATURAL GAS	

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LEASE	HECTARES	LAND DESCRIPTION	
A0175	256	6-04-069: 33 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (SHA007001) (DRRZD 21)
A0176	256	6-01-075: 10 PETROLEUM AND NATURAL GAS	
A0177	256	6-06-075: 33 PETROLEUM AND NATURAL GAS	(SHA007001)
A0178	256	6-06-077: 16 PETROLEUM AND NATURAL GAS	
A0179	256	5-20-078: 12 PETROLEUM AND NATURAL GAS	(ADM001901) (PNA016801)
A0180	256	5-20-078: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEACE RIVER FM	(ADM001901) (DRRZD 40)
A0181	64	6-07-078: 28SW PETROLEUM AND NATURAL GAS	
A0182	320	TRACT ONE 6-09-078: 31E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
		TRACT TWO 6-09-078: 29N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM TO THE BASE OF THE MONTNEY FM	(DRRZD 247) (DRRZD 264)
A0183	256	5-17-079: 32 PETROLEUM AND NATURAL GAS	(ADM001901)
A0184	256	5-17-080: 4 PETROLEUM AND NATURAL GAS	(ADM011501) (SHA007001)
A0185	256	5-17-080: 5 PETROLEUM AND NATURAL GAS	(ADM011501) (SHA007001)
A0186	256	5-21-080: 18 PETROLEUM AND NATURAL GAS	(ADM001901)
A0187	256	5-22-080: 24 PETROLEUM AND NATURAL GAS	(ADM001901)

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LEASE	HECTARES	LAND DESCRIPTION	
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A0188	256		
	TRACT ONE	6-09-086: 18S,NW PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-09-086: 18NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE WABAMUN GRP	(DRRZD 277)

A0189	256		(ADM011501)
		5-15-090: 2 PETROLEUM AND NATURAL GAS	(TSH003301)

--- Foothills Region ---			
A0190	256		(IR2000201)
		5-11-039: 36 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(SHA006501) (SHA006701)
			(DRRZD 6)

79	19,024.00	HA TOTALS	END

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LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0191	3136		
	TRACT ONE	4-22-001: 15;22;23;26NE;27;36 4-22-002: 1-3;11 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-22-001: 34 PETROLEUM AND NATURAL GAS TO THE BASE OF THE WABAMUN GRP	(DRRZD 277)
	TRACT THREE	4-22-001: 14;25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE RUNDLE GRP	(DRRZD 27)
--- NORTHERN REGION ---			
B0192	768		
		5-18-051: 31;32 5-18-052: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE BASE OF THE NORDEGG MBR	(DRRZD 22) (DRRZD 66)
B0193	256		(SHA006501) (SHA006701)
	TRACT ONE	5-22-059: 2S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE NORDEGG MBR EXCEPTING NATURAL GAS IN THE BLUESKY-BULLHEAD	(DRRZD 51) (DRRZD 66) (ZD 2748-1)
	TRACT TWO	5-22-059: 2NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE NORDEGG MBR	(DRRZD 21) (DRRZD 66)
B0194	256		(ES2000103) (SHA006501) (SHA006701)
		6-01-063: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEACE RIVER FM TO THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 40) (DRRZD 21)
B0195	512		
	TRACT ONE	5-18-064: 16 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM EXCEPTING NATURAL GAS IN THE NOTIKWIN MBR	(DRRZD 21) (DRRZD 37) (ZD 191)
	TRACT TWO	5-18-064: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0196	256		(SHA006501)
		5-24-064: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BEAVERHILL LAKE GRP	(DRRZD 5)
B0197	256		(SHA006501)
		5-24-064: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM TO THE BASE OF THE BEAVERHILL LAKE GRP	(DRRZD 37) (DRRZD 5)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0198	256	5-18-069: 29 PETROLEUM AND NATURAL GAS	(SHA006501) (SHA007001)
B0199	512	5-25-073: 28;29 PETROLEUM AND NATURAL GAS	(SHA007001) (TSH003301)
B0200	512	5-25-073: 31;32 PETROLEUM AND NATURAL GAS	(SHA007001) (TSH003301)
B0201	768	5-25-074: 5-7 PETROLEUM AND NATURAL GAS	(SHA007001) (TSH003301)
--- FOOTHILLS REGION ---			
B0202	256	6-06-057: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE PEACE RIVER FM EXCEPTING NATURAL GAS IN THE CADOMIN FM EXCEPTING NATURAL GAS IN THE JURASSIC-TRIASSIC EXCEPTING NATURAL GAS IN THE RUNDLE GRP	(SHA006501) (DRRZD 40) (ZD 3018-2) (ZD 3000) (ZD 3000)
12	7,744.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

ZD: 191 ZONE: 2660 NOTIKWIN MBR

INTERVAL: 4844.00 - 4853.00 FEET
KEY WELL: 00/05-05-064-18W5/0
LOG TYPE: ELECTRICAL

ZD: 2514-A ZONE: 6960 NISKU FM

INTERVAL: 1650.00 - 1708.00 FEET
KEY WELL: 00/11-33-067-17W4/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 2514 ZONE: 3060 WABISKAW MBR

INTERVAL: 1620.00 - 1650.00 FEET
KEY WELL: 00/11-33-067-17W4/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 2748-1 ZONE: 3052 BLUESKY-BULLHEAD

INTERVAL: 8530.00 - 8926.00 FEET
KEY WELL: 00/11-14-059-22W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 3000 ZONE: 4010 JURASSIC-TRIASSIC

INTERVAL: 6518.00 - 8836.00 FEET
KEY WELL: 00/11-26-057-06W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZONE: 6100 RUNDLE GRP

INTERVAL: 8836.00 - 9530.00 FEET
KEY WELL: 00/11-26-057-06W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 3018-2 ZONE: 3480 CADOMIN FM

INTERVAL: 6284.00 - 6356.00 FEET
KEY WELL: 00/11-26-057-06W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 3064 ZONE: 3000 GLAUCONITIC SS

INTERVAL: 4616.00 - 4644.00 FEET
KEY WELL: 00/01-02-038-22W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

DRRZD: 3 ZONE: 1700 CARDIUM FM

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

DRRZD: 4 ZONE: 2480 MANNVILLE GRP

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

DRRZD: 5 ZONE: 7440 BEAVERHILL LAKE GRP

INTERVAL: 8645.00 - 9118.00 FEET
KEY WELL: 00/10-22-068-11W5/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 6 ZONE: 2140 VIKING FM

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

DRRZD: 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: 20 ZONE: 4280 SAWTOOTH FM

INTERVAL: 3109.00 - 3176.00 FEET
KEY WELL: 00/10-02-006-14W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DRRZD: 21 ZONE: 3052 BLUESKY-BULLHEAD

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

DRRZD: 22 ZONE: 2640 SPIRIT RIVER FM

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

DRRZD: 23 ZONE: 6960 NISKU FM

INTERVAL: 5023.00 - 5190.00 FEET
KEY WELL: 00/06-24-050-26W4/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

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DRRZD: 27 ZONE: 6100 RUNDLE GRP

INTERVAL: 9040.00 - 9990.00 FEET
KEY WELL: 00/05-25-029-09W5/0
LOG TYPE: GAMMA RAY NEUTRON

DRRZD: 37 ZONE: 5000 TRIASSIC SYSTEM

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

DRRZD: 38 ZONE: 1920 DUNVEGAN FM

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

DRRZD: 39 ZONE: 1260 BELLY RIVER GRP

INTERVAL: 1688.00 - 2453.00 FEET
KEY WELL: 00/07-18-032-22W4/0
LOG TYPE: INDUCTION ELECTRICAL

DRRZD: 40 ZONE: 2280 PEACE RIVER FM

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

DRRZD: 51 ZONE: 1700 CARDIUM FM

INTERVAL: 2350.40 - 2415.70 METRES
KEY WELL: 00/07-36-058-03W6/0
LOG TYPE: DUAL INDUCTION SFL

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: 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: 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: 264 ZONE: 5240 MONTNEY FM

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

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

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

ADM001901 PEACE RIVER OIL SANDS DESIGNATED AREA #1

LEASE A0179
 LEASE A0180
 LEASE A0183
 LEASE A0186
 LEASE A0187

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

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0184
 LEASE A0185
 LEASE A0189

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

ES2000103 EASTERN SLOPES POLICY

LAND DESCRIPTION
 LEASE A0159 6-01-063: 21SEP
 LICENCE B0194 6-01-063: 21SEP

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

APPENDIX 3

PAGE 2

ADDENDA AND CONTACTS APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

ESA000502 LOST RIVER

LAND DESCRIPTION
LEASE A0112 4-05-002: 9N

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

GZR000101 SAGE CREEK

LEASE A0120

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

IR2000201 ROCKY-NORTH SASKATCHEWAN

LEASE A0190

ALL LAND(S) IS/ARE WITHIN ZONE 2 (CRITICAL WILDLIFE) OF THE ROCKY-NORTH SASKATCHEWAN 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

PNA016801 KIMIWAN LAKE

LAND DESCRIPTION
LEASE A0179 5-20-078: 12E

ALL LAND(S) IS/ARE RESERVED FOR A PROPOSED NATURAL AREA, UNDER THE PUBLIC LANDS ACT.

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 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

SHA005101 MILK RIVER VALLEY - EAST

LAND DESCRIPTION
LEASE A0112 4-05-002: 5;6S,NE

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

SHA005601 GREATER SAGE GROUSE HABITAT

LAND DESCRIPTION
LEASE A0112 4-05-002: 6L14, L15, L16P; 9L16P
LEASE A0113 4-05-002: 25L1P-L8P
LEASE A0114 4-05-002: 26L15P
LEASE A0115 4-05-002: 35L1, L2, L5, L8, L12, L13
LEASE A0116 4-05-002: 36NE, L1P-L4P, L5-L8, L11, L12
LEASE A0117 4-05-003: 1NE, L3P, L6-L8, L11, L12P, L13P, L14
LEASE A0118 4-05-003: 2L3P, L4, L5, L10, L11, L14, L15, L16P
LEASE A0119 4-05-003: 11L1-L5, L7, L8P, L9P, L10, L12, L14-L16
LEASE A0120 4-05-003: 12L1P, L2P, L3, L4, L5P, L6-L10, L12P, L13P

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

SHA005701 SWIFT FOX RANGE

LEASE A0112
LEASE A0113
LEASE A0114
LEASE A0115
LEASE A0116
LEASE A0117
LEASE A0118
LEASE A0119
LEASE A0120

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

SHA006501 GRIZZLY BEAR ZONE

LAND DESCRIPTION
LEASE A0159 6-01-063: 21SP, NEP
LEASE A0190
LICENCE B0193 5-22-059: 2S, NW, NEP
LICENCE B0194 6-01-063: 21SP, NEP
LICENCE B0196 5-24-064: 18S, NP
LICENCE B0197 5-24-064: 18S, NP
LICENCE B0198
LICENCE B0202

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

		LAND DESCRIPTION	
LEASE	A0155	5-10-047:	31NP
LEASE	A0159	6-01-063:	21SP,NEP
LEASE	A0161	6-02-066:	4NP,SE,SWP
LEASE	A0171	6-05-067:	29WP
LEASE	A0175	6-04-069:	33NP,SE,SWP
LEASE	A0190	5-11-039:	36NP,SEP,SW
LICENCE	B0193	5-22-059:	2NP,SEP,SW
LICENCE	B0194	6-01-063:	21SP,NEP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA007001 SPECIAL ACCESS ZONE

		LAND DESCRIPTION	
LEASE	A0175	6-04-069:	33NP,SWP
LEASE	A0177		
LEASE	A0184	5-17-080:	4NP
LEASE	A0185	5-17-080:	5NP
LICENCE	B0198		
LICENCE	B0199		
LICENCE	B0200	5-25-073:	31;32S,NP
LICENCE	B0201	5-25-074:	5SWP;6SP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

SHA007601 GREATER SAGE GROUSE HABITAT

		LAND DESCRIPTION	
LEASE	A0112	4-05-002:	5NW,L3P,L4P,L5,L6P,L7P,L9P,L10P,L15,L16P;6N, L1P-L3P,L4-L8;9N,L1,L2P-L4P,L5-L8
LEASE	A0113	4-05-002:	25N,SE,L3,L4P,L5,L6
LEASE	A0114		
LEASE	A0115		
LEASE	A0116		
LEASE	A0117		
LEASE	A0118		
LEASE	A0119		
LEASE	A0120		

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

ADDENDA AND CONTACTS APPLICABLE TO THE 2015 OCTOBER 14 PUBLIC OFFERING NOTICE

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

TSH003301 TRUMPETER SWAN HABITAT

	LAND DESCRIPTION
LEASE A0189	5-15-090: 2E,WP
LICENCE B0199	5-25-073: 28NEP
LICENCE B0200	5-25-073: 32NEP
LICENCE B0201	5-25-074: 5NP,SEP;6NP;7N,SEP,SW

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE STEPNIISKY
WILDLIFE HABITAT SPECIALIST
EDMONTON OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9920 108 ST NW FLOOR 2
EDMONTON AB T5K 2M4 (780) 427-3029

END