

2016 NOVEMBER 23

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



Alberta
Government

PUBLIC OFFERING CONTROL COUNTS FOR 2016.11.23

From	To	Total	Area
LEASES: A0104	A0133	30	8,184.3000 ha.
LICENCES: B0134	B0143	10	13,696.0000 ha.

		40	21,880.3000 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 November 23**.

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 November 23** 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 ---			
A0104	256		
	TRACT ONE	4-10-014: 33N, SW, L7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
	TRACT TWO	4-10-014: 33L1, L2, L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

A0105	256		
	TRACT ONE	4-10-015: 4S, NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
	TRACT TWO	4-10-015: 4NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

A0106	256		(ESA001401)
	TRACT ONE	4-03-023: 5N, SE PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2028)
	TRACT TWO	4-03-023: 5SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

A0107	256		(ESA001401)
	TRACT ONE	4-03-023: 6S, NE PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2028)
	TRACT TWO	4-03-023: 6NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

A0108	256		(ESA001401)
	TRACT ONE	4-03-023: 7N, SE PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2028)
	TRACT TWO	4-03-023: 7SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

A0109	256		(ESA001401)
	TRACT ONE	4-04-023: 12E PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE VIKING FM	(ZD 2028)
	TRACT TWO	4-04-023: 12W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)

A0110	63.7		
		4-29-028: 34SEF PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
		TO THE BASE OF THE BANFF FM	(DRRZD 57)
		EXCEPTING PETROLEUM AND NATURAL GAS IN THE ELKTON MBR	(ZD 200)

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LEASE	HECTARES	LAND DESCRIPTION	
A0111	256		
	TRACT ONE	4-13-034: 28N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
	TRACT TWO	4-13-034: 28SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 9)
A0112	256	5-03-034: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0113	256	4-11-035: 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0114	256	4-11-035: 12 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0115	256	4-11-035: 14 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0116	158.4	4-25-046: 5WP PORTION(S) DESIGNATED AS BEARHILLS LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1895/12/20. 5NE PETROLEUM AND NATURAL GAS	
A0117	154.2	4-25-046: 7SP,NWP PORTION(S) DESIGNATED AS BEARHILLS LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1895/12/20. PETROLEUM AND NATURAL GAS	
A0118	256	4-25-046: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0119	256	4-26-046: 10 PETROLEUM AND NATURAL GAS	
A0120	64	4-27-047: 13NW PETROLEUM	
A0121	256		(ADM001801) (SHA006701)
		4-07-060: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0122	256		(ADM001801)
		4-10-060: 2 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

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LEASE	HECTARES	LAND DESCRIPTION
--- NORTHERN REGION ---		
A0123	1280	
TRACT ONE		6-08-067: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM (DRRZD 51) TO THE BASE OF THE FERNIE GRP (DRRZD 276)
TRACT TWO		6-08-067: 14; 22S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM (DRRZD 51) TO THE BASE OF THE BLUESKY-BULLHEAD (DRRZD 21) EXCEPTING NATURAL GAS IN THE SPIRIT RIVER FM (ZD 3309-1) EXCEPTING NATURAL GAS IN THE CADOMIN FM (ZD 3309-1-B)
TRACT THREE		6-08-066: 34N 6-08-067: 3E; 11; 12W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM (DRRZD 51) TO THE BASE OF THE DUNVEGAN FM (DRRZD 38)

A0124	768	
TRACT ONE		6-08-067: 25E PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP (DRRZD 276)
TRACT TWO		6-07-067: 19N PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD (DRRZD 21) EXCEPTING NATURAL GAS IN THE SPIRIT RIVER FM (ZD 3309-1) EXCEPTING NATURAL GAS IN THE CADOMIN FM (ZD 3309-1-B)
TRACT THREE		6-08-067: 25W; 36W PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM (DRRZD 22)
TRACT FOUR		6-08-067: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM (DRRZD 51) TO THE BASE OF THE BLUESKY-BULLHEAD (DRRZD 21)

A0125	256	
		6-13-074: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM (DRRZD 38)

A0126	128	
		6-08-078: 15SE,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM (DRRZD 247)

A0127	256	
		6-07-079: 7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD (DRRZD 21)

A0128	256	
		6-09-079: 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD (DRRZD 21)

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LEASE	HECTARES	LAND DESCRIPTION	
A0129	256		
TRACT ONE		6-10-079: 11SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
TRACT TWO		6-10-079: 11N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
TRACT THREE		6-10-079: 11SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE HALFWAY FM	(DRRZD 246)
A0130	256		
		6-10-079: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
A0131	128		
		6-10-079: 20W PETROLEUM AND NATURAL GAS EXCEPTING NATURAL GAS IN THE CADOTTE MBR	(ZD 2609)
		EXCEPTING NATURAL GAS IN THE NOTIKWIN MBR	(ZD 2609)
		EXCEPTING NATURAL GAS IN THE GETHING FM	(ZD 2609)
A0132	64		(ADM011501)
		5-14-083: 9NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
A0133	256		(SHA000701)
			(TSH003401)
			(TSH003501)
TRACT ONE		6-06-111: 31SW PETROLEUM AND NATURAL GAS	
TRACT TWO		6-06-111: 31NW PETROLEUM AND NATURAL GAS TO THE BASE OF THE BANFF FM	(DRRZD 255)
TRACT THREE		6-06-111: 31E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE KEG RIVER FM	(DRRZD 16)
30	8,184.30	HA TOTALS	END

2016 NOVEMBER 23

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0134	1536	4-05-021: 31; 32 4-05-022: 5; 6 4-06-021: 36 4-06-022: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(HRV000401) (HRV003201) (DRRZD 12)
B0135	3072	TRACT ONE 4-06-022: 10; 12E PETROLEUM AND NATURAL GAS TRACT TWO 4-06-022: 12SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MILK RIVER FM TRACT THREE 4-05-022: 7S PETROLEUM AND NATURAL GAS TO THE BASE OF THE MEDICINE HAT SD PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD TRACT FOUR 4-06-022: 11; 12NW; 13-16; 21-24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD TRACT FIVE 4-05-022: 7N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	 (DRRZD 11) (DRRZD 12) (DRRZD 8) (DRRZD 12) (DRRZD 8)
--- NORTHERN REGION ---			
B0136	960	5-05-074: 1NW; 2N,SE; 3NE; 10E; 11; 12 PETROLEUM AND NATURAL GAS	
B0137	768	TRACT ONE 6-09-080: 13; 14 PETROLEUM AND NATURAL GAS TRACT TWO 6-09-080: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BALDONNEL FM	 (DRRZD 84)
B0138	1024	TRACT ONE 6-07-082: 8 PETROLEUM AND NATURAL GAS TRACT TWO 6-07-082: 7 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM TRACT THREE 6-07-082: 5; 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE STODDART GRP	 (DRRZD 21) (DRRZD 247) (DRRZD 271)

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LICENCE	HECTARES	LAND DESCRIPTION	
B0139	1024		
	TRACT ONE	6-08-082: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
	TRACT TWO	6-08-082: 2; 11; 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE STODDART GRP	(DRRZD 271)
B0140	1216		
	TRACT ONE	6-10-082: 5 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-10-082: 3; 4; 9; 10N,SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BALDONNEL FM	(DRRZD 84)
B0141	2560		(SHA006701)
	TRACT ONE	6-11-083: 8-11; 13; 15; 16; 21; 24 PETROLEUM AND NATURAL GAS	
	TRACT TWO	6-11-083: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BALDONNEL FM	(DRRZD 84)
B0142	1024		(SHA006701)
		6-10-086: 1; 2; 11; 12 PETROLEUM AND NATURAL GAS	
B0143	512		
		6-10-087: 11; 12 PETROLEUM AND NATURAL GAS	
10	13,696.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

ZD: 200 ZONE: 6380 ELKTON MBR
INTERVAL: 8130.00 - 8260.00 FEET
KEY WELL: 00/11-24-028-02W5/0
LOG TYPE: INDUCTION ELECTRIC

ZD: 2028 ZONE: 2140 VIKING FM
INTERVAL: 2014.00 - 2120.00 FEET
KEY WELL: 00/10-01-023-04W4/0
LOG TYPE: ELECTRICAL

ZD: 2609 ZONE: 2320 CADOTTE MBR
INTERVAL: 2683.00 - 2890.00 FEET
KEY WELL: 00/11-17-079-10W6/0
LOG TYPE: ELECTRICAL

 ZONE: 2660 NOTIKEWIN MBR

INTERVAL: 2976.00 - 3105.00 FEET
KEY WELL: 00/11-17-079-10W6/0
LOG TYPE: ELECTRICAL

 ZONE: 3260 GETHING FM

INTERVAL: 4178.00 - 4616.00 FEET
KEY WELL: 00/11-17-079-10W6/0
LOG TYPE: ELECTRICAL

ZD: 3309-1 ZONE: 2640 SPIRIT RIVER FM
INTERVAL: 6986.00 - 8010.00 FEET
KEY WELL: 00/07-05-067-07W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

 ZONE: 4080 NIKANASSIN FM

INTERVAL: 8478.00 - 8808.00 FEET
KEY WELL: 00/07-05-067-07W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

 ZONE: 5560 BELLOY FM

INTERVAL: 10316.00 - 10404.00 FEET
KEY WELL: 00/07-05-067-07W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

ZD: 3309-1-B ZONE: 3480 CADOMIN FM
INTERVAL: 2827.00 - 2831.30 METRES
KEY WELL: 00/11-13-066-08W6/0
LOG TYPE: COMPENSATED DENSILOG COMPENSATED NEUTRON

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

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: 9 ZONE: 6440 BANFF FM

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

DRRZD: 11 ZONE: 1580 MILK RIVER FM

INTERVAL: 677.00 - 972.00 FEET
KEY WELL: 00/15-02-014-05W4/0
LOG TYPE: 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: 16 ZONE: 7721 KEG RIVER FM

INTERVAL: 5866.00 - 6772.00 FEET
KEY WELL: 00/07-32-109-08W6/0
LOG TYPE: GAMMA RAY NEUTRON

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: 38 ZONE: 1920 DUNVEGAN FM

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

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: 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: 57 ZONE: 6440 BANFF FM

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

DRRZD: 84 ZONE: 5060 BALDONNEL FM

INTERVAL: 5728.00 - 5764.00 FEET
KEY WELL: 00/11-21-077-10W6/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

DRRZD: 246 ZONE: 5160 HALFWAY FM

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

DRRZD: 247 ZONE: 5080 CHARLIE LAKE FM

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

DRRZD: 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: 271 ZONE: 6040 STODDART GRP

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

DRRZD: 276 ZONE: 4140 FERNIE GRP

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

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA

LEASE A0121
LEASE A0122

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

ADM011501 PEACE RIVER OIL SANDS DESIGNATED AREA #2

LEASE A0132

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

SURFACE ACCESS IS NOT AFFECTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

ESA001401 ENVIRONMENTALLY SENSITIVE AREA WITHIN SPECIAL AREA

LAND DESCRIPTION
LEASE A0106 4-03-023: 5S,NW,L9,L10
LEASE A0107
LEASE A0108
LEASE A0109 4-04-023: 12N,SE

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

DUG O. MAJOR
DIRECTOR, PROPERTIES MANAGEMENT
MUNICIPAL AFFAIRS, DEPARTMENT OF
MUNICIPAL ADMIN SERVICES DIVISION
TAX RECOVERY AND PROPERTY ADMIN
REAL ESTATE MANAGER
JARVIS BUILDING
9925 107 ST NW 12 FLOOR
EDMONTON AB T5K 2H9 (403) 854-5614

HRV000401 ARCHAEOLOGICAL SITE

LAND DESCRIPTION
LICENCE B0134 4-05-022: 5L1

ALL LAND(S) IS/ARE WITHIN AN HISTORICAL RESOURCES MANAGEMENT AREA. PURSUANT TO SEC. 37(2) OF THE HISTORICAL RESOURCES ACT, AN HISTORICAL RESOURCES IMPACT ASSESSMENT MAY BE REQUIRED PRIOR TO CONDUCTING ANY SURFACE DISTURBANCE.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

HRV003201 HISTORICAL RESOURCE MANAGEMENT AREA

LAND DESCRIPTION
LICENCE B0134 4-05-022: 5SEP

ALL LAND(S) IS/ARE WITHIN AN HISTORICAL RESOURCES MANAGEMENT AREA. PURSUANT TO SEC. 37(2) OF THE HISTORICAL RESOURCES ACT, AN HISTORICAL RESOURCES IMPACT ASSESSMENT MAY BE REQUIRED PRIOR TO CONDUCTING ANY SURFACE DISTURBANCE.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

REBECCA TRAQUAIR
ADMINISTRATIVE COORDINATOR
CULTURE, DEPARTMENT OF
HISTORIC RESOURCE MANAGEMENT BRANCH
LAND USE PLANNING SECTION
OLD ST STEPHEN'S COLLEGE
8820 112 ST NW
EDMONTON AB T6G 2P8 (780) 431-2373

ADDENDA AND CONTACTS APPLICABLE TO THE 2016 NOVEMBER 23 PUBLIC OFFERING NOTICE

SHA000701 HAY-ZAMA LAKE COMPLEX

LAND DESCRIPTION
LEASE A0133 6-06-111: 31NWP

ALL LAND(S) IS/ARE WITHIN THE HAY-ZAMA LAKE COMPLEX.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

RON MILLSON
WILDLIFE BIOLOGIST
PEACE RIVER OFFICE - FISH AND WILDLIFE DEPT. OF SUSTAINABLE RESOURCE DEV
9621 96 AVE
PO BAG 900 26
PEACE RIVER AB T8S 1T4 (780) 624-6405

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

LAND DESCRIPTION
LEASE A0121 4-07-060: 17NWP
LICENCE B0141 6-11-083: 8-11; 13; 15S,NP
6-11-083: 16; 21; 23SP,NEP
6-11-083: 24S,NP
LICENCE B0142 6-10-086: 1S,NP
6-10-086: 2; 11; 12WP

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

TSH003401 TRUMPETER SWAN HABITAT 500m BUFFER

LAND DESCRIPTION
LEASE A0133 6-06-111: 31NEP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

LAND DESCRIPTION
LEASE A0133 6-06-111: 31NP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

END