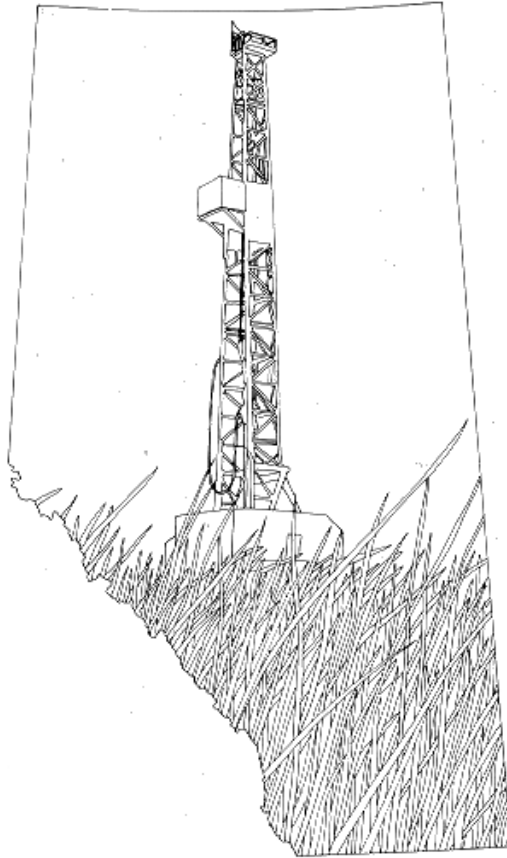


2019 JULY 03

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2019.07.03

From	To	Total	Area
LEASES: A0001	A0033	33	7,770.5300 ha.
LICENCES: B0034	B0057	24	24,397.6000 ha.

		57	32,168.1300 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 2019 July 03**.

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 **2019 July 03** 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.

2019 JULY 03

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0001	128	4-15-004: 36E PETROLEUM AND NATURAL GAS TO THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0002	128	4-15-005: 1E PETROLEUM AND NATURAL GAS TO THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0003	256	4-27-021: 2 PETROLEUM AND NATURAL GAS	
A0004	192	4-27-021: 16S,NE PETROLEUM AND NATURAL GAS	
A0005	256	4-27-021: 22 PETROLEUM AND NATURAL GAS	(SHA006701)
A0006	128.03		(HRV003502) (HRV003602)
TRACT ONE		4-23-022: 13SEP PORTION(S) SHOWN AS LOT 6 BLOCK 7 ON PLAN 752N. PETROLEUM AND NATURAL GAS TO THE TOP OF THE EDMONTON GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 280) (DRRZD 12)
TRACT TWO		4-23-022: 24SW,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0007	191.54		
TRACT ONE		4-23-022: 28SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
TRACT TWO		4-23-022: 32SEP,NE PORTION(S) LYING OUTSIDE THE RAILWAY RIGHT OF WAY AS SHOWN ON PLAN RY11. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0008	13.76		(SHA006801)
TRACT ONE		4-24-022: 29NP,SWP; 32EP PORTION(S) DESCRIBED AS A SURVEYED ROADWAY ADJOINING THE SIKSIKA INDIAN RESERVE NO. 146 AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
TRACT TWO		4-24-022: 30NEP PORTION(S) DESIGNATED AS ALKALINE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1899/09/22. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)

2019 JULY 03

LEASE	HECTARES	LAND DESCRIPTION	
A0009	384		
	TRACT ONE	4-24-023: 14S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
	TRACT TWO	4-23-023: 18SE 4-24-023: 24S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
A0010	177.2		(SHA007201)
	TRACT ONE	4-24-023: 33NWP PORTION(S) DESIGNATED AS EAGLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/30. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE EDMONTON GRP	(DRRZD 280)
	TRACT TWO	4-24-023: 28NP,SWP; 31EP; 33SWP PORTION(S) DESIGNATED AS EAGLE LAKE ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1898/12/30. PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0011	256	4-17-029: 27 PETROLEUM AND NATURAL GAS	
A0012	128	4-22-044: 6W PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(DRRZD 39)
A0013	192	4-27-048: 28N,SW PETROLEUM AND NATURAL GAS TO THE BASE OF THE NISKU FM	(DRRZD 23)
A0014	256	5-02-050: 14 PETROLEUM AND NATURAL GAS IN THE BANFF FM	(PDM001501) (DRRZD 57)
A0015	256	4-26-055: 34 PETROLEUM AND NATURAL GAS	
A0016	512	4-03-058: 13; 14 PETROLEUM AND NATURAL GAS	(ADM001801)
A0017	256	4-19-059: 10 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0018	256	4-19-059: 14 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0019	256	4-21-063: 1 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0020	256	4-21-063: 5 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(DRRZD 4)

2019 JULY 03

LEASE	HECTARES	LAND DESCRIPTION	
A0021	256	4-22-063: 35 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(SHA006701) (DRRZD 4)
A0022	256	4-20-064: 4 PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0023	256	4-20-064: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM	(DRRZD 6)
--- NORTHERN REGION ---			
A0024	256	5-14-054: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
A0025	320	5-07-055: 9; 16SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(SHA006701) (DRRZD 66)
A0026	256	5-18-055: 23 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(ESZ000101) (SHA006701) (DRRZD 22)
A0027	256	5-18-055: 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(ESZ000101) (SHA006701) (DRRZD 22)
A0028	256	6-04-061: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(SHA008201) (DRRZD 264)
A0029	256	6-04-062: 4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(SHA008201) (DRRZD 264)
A0030	256	5-18-064: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE VIKING FM TO THE TOP OF THE TRIASSIC SYSTEM EXCEPTING NATURAL GAS IN THE NOTIKEWIN MBR	(DRRZD 6) (DRRZD 37) (ZD 191)
A0031	256	6-08-074: 11 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
A0032	256	6-01-084: 36 PETROLEUM AND NATURAL GAS	(SHA007001) (SHA008401)
A0033	156	6-13-085: 21E,WF PETROLEUM AND NATURAL GAS TO THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
33	7,770.53	HA TOTALS	END

2019 JULY 03

LEASE	HECTARES	LAND DESCRIPTION
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2019 JULY 03

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0034	256	5-05-038: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0035	256	5-08-047: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE JURASSIC SYSTEM	(IRZ004401) (DRRZD 3) (DRRZD 90)
B0036	256	5-08-047: 34 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(IRZ004401) (DRRZD 90)
B0037	512	5-07-048: 27 5-07-049: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE JURASSIC SYSTEM	(IRZ003601) (PRA020101) (PRP009301) (DRRZD 3) (DRRZD 90)
B0038	512	5-07-048: 27 5-07-049: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(IRZ003601) (PRA020101) (PRP009301) (DRRZD 90)
B0039	512	5-07-048: 33 5-07-049: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE JURASSIC SYSTEM	(PRA020101) (DRRZD 3) (DRRZD 90)
B0040	512	5-07-048: 33 5-07-049: 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(PRA020101) (DRRZD 90)
B0041	1792	TRACT ONE 5-07-049: 6N; 18 5-08-049: 1N; 10; 11; 13; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE JURASSIC SYSTEM	(DRRZD 90)
		TRACT TWO 5-08-049: 1SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM	(DRRZD 57)
		TRACT THREE 5-07-049: 6S 5-08-049: 1SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)

2019 JULY 03

LICENCE	HECTARES	LAND DESCRIPTION	
B0042	1472		
	TRACT ONE	5-07-049: 6NW; 18S 5-08-049: 1N; 10E; 11; 13N; 14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE JURASSIC SYSTEM	(DRRZD 3) (DRRZD 90)
	TRACT TWO	5-08-049: 13S PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE JURASSIC SYSTEM EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 3) (DRRZD 90) (DRRZD 4)
	TRACT THREE	5-07-049: 18N PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE JURASSIC SYSTEM	(DRRZD 4) (DRRZD 90)
	TRACT FOUR	5-08-049: 10W PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE JURASSIC SYSTEM	(DRRZD 60) (DRRZD 90)
B0043	512		
	TRACT ONE	5-08-049: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT TWO	5-08-050: 1 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0044	512	5-09-050: 7 5-10-050: 13 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0045	512		(TSH003401) (TSH003501)
		5-09-050: 18; 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0046	512		
	TRACT ONE	5-10-050: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
	TRACT TWO	5-10-050: 11N,SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
	TRACT THREE	5-10-050: 11SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NISKU FM	(DRRZD 79)
B0047	1024		(TSH003401) (TSH003501)
		5-12-054: 29; 31 5-12-055: 5 5-13-054: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)

2019 JULY 03

LICENCE	HECTARES	LAND DESCRIPTION	
B0048	3072		(SHA008201)
	TRACT ONE	5-26-064: 31N,SW; 32; 33 5-26-065: 5-7 5-27-065: 1; 2 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-064: 31SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT THREE	5-26-065: 2-4; 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0049	256	6-02-064: 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE BELLOY FM	(DRRZD 264) (DRRZD 32)
B0050	256	6-02-064: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE BELLOY FM	(DRRZD 264) (DRRZD 32)
B0051	3328		(ESZ000101) (SHA006701)
	TRACT ONE	5-25-065: 31 5-26-065: 28; 32; 33 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-065: 14; 15; 22; 23; 26; 27; 34-36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0052	3142.8		(TSH003501)
	TRACT ONE	5-26-065: 29-31 5-27-065: 22E,WF; 23-26; 27E,WF; 35; 36 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-26-065: 19; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 21) (DRRZD 37)
B0053	582.8	5-27-065: 34E,WF 5-27-066: 3E,WF 6-01-065: 36 PETROLEUM AND NATURAL GAS	
B0054	256	6-01-065: 10 PETROLEUM AND NATURAL GAS TO THE BASE OF THE PEKISKO FM	(TSH003401) (TSH003501) (DRRZD 174)
B0055	256	6-02-065: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE BELLOY FM	(DRRZD 264) (DRRZD 32)
B0056	256	6-02-065: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM TO THE BASE OF THE BELLOY FM	(SHA006701) (DRRZD 264) (DRRZD 32)

2019 JULY 03

LICENCE	HECTARES	LAND DESCRIPTION	
B0057	3840		(ESZ000101) (SHA006701) (TSH003501)
TRACT ONE		5-25-066: 29; 30 5-26-066: 1; 12-16; 22; 24-27 PETROLEUM AND NATURAL GAS	
TRACT TWO		5-25-066: 31; 32 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
24	24,397.60	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2019 JULY 03 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

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 JULY 03 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: 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: 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

DRRZD: 32 ZONE: 5560 BELLOY FM

INTERVAL: 2883.00 - 3105.00 FEET
KEY WELL: 00/10-24-078-19W5/0
LOG TYPE: DUAL INDUCTION-LATEROLOG

DRRZD: 37 ZONE: 5000 TRIASSIC SYSTEM

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

DRRZD: 39 ZONE: 1260 BELLY RIVER GRP

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2019 JULY 03 PUBLIC OFFERING NOTICE

DRRZD: 57 ZONE: 6440 BANFF FM

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

DRRZD: 60 ZONE: 4320 ROCK CREEK MBR

INTERVAL: 2502.50 - 2531.50 METRES
KEY WELL: 00/10-35-049-13W5/2
LOG TYPE: DUAL LATEROLOG

DRRZD: 66 ZONE: 4440 NORDEGG MBR

INTERVAL: 5610.00 - 5670.00 FEET
KEY WELL: 00/10-12-055-09W5/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

DRRZD: 79 ZONE: 6960 NISKU FM

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

DRRZD: 90 ZONE: 4000 JURASSIC SYSTEM

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

DRRZD: 174 ZONE: 6420 PEKISKO FM

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

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

DRRZD: 280 ZONE: 1060 EDMONTON GRP

INTERVAL: 335.00 - 962.00 METRES
KEY WELL: 00/06-24-044-04W5/0
LOG TYPE: COMPENSATED NEUTRON-LITHO DENSITY

DRRZD: 284 ZONE: 7635 ELK POINT GRP

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

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 03 PUBLIC OFFERING NOTICE

ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA
LEASE A0016

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

ESZ000101 EASTERN SLOPES POLICY ZONE 2

LAND DESCRIPTION
LEASE A0026 5-18-055: 23P
LEASE A0027 5-18-055: 23P
LICENCE B0051 5-25-065: 31
5-26-065: 35P; 36P
LICENCE B0057 5-25-066: 29P; 30P; 32P
5-26-066: 1; 12P; 13P; 24P

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
GRANDE PRAIRIE OFFICE
GRANDE PRAIRIE OFFICE - LAND USE AREA-LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
10320 99 ST
GRANDE PRAIRIE AB T8V 6J4 (780) 538-5260

HRV003502 HISTORIC RESOURCES VALUE 1

LAND DESCRIPTION
LEASE A0006 4-23-022: 13L8

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 03 PUBLIC OFFERING NOTICE

HRV003602 HISTORIC RESOURCES VALUE 2

LAND DESCRIPTION
LEASE A0006 4-23-022: 13L1

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

IRZ003601 ROCKY-NORTH SASKATCHEWAN ZONE 3

LAND DESCRIPTION
LICENCE B0037 5-07-049: 3NEP
LICENCE B0038 5-07-049: 3NEP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

IRZ004401 BRAZEAU-PEMBINA ZONE 2

LAND DESCRIPTION
LICENCE B0035 5-08-047: 34P
LICENCE B0036 5-08-047: 34P

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

LANDS OFFICER
DRAYTON VALLEY OFFICE
DRAYTON VALLEY OFFICE-LAND USE AREA -LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
6521 50 AVE
PO BOX 6090
DRAYTON VALLEY AB T7A 1R6 (780) 542-6616

PDM001501 CAPITAL POWER GP HOLDINGS INC GENESEE MINE #1788

LAND DESCRIPTION
LEASE A0014 5-02-050: 14S

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:

NADIA HAIDER
LANDUSE OFFICER
ALBERTA ENERGY REGULATOR
250 5 ST SW SUITE 1000
CALGARY AB T2P 0R4 (403) 297-6844

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 JULY 03 PUBLIC OFFERING NOTICE

PRA020101 **BLUE RAPIDS**
 LAND DESCRIPTION
LICENCE B0037 5-07-048: 27E,WP
 5-07-049: 3EP
LICENCE B0038 5-07-048: 27E,WP
 5-07-049: 3EP
LICENCE B0039 5-07-048: 33SE
LICENCE B0040 5-07-048: 33SE

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:
DEBORAH JOHNSTONE
PLANNING AND LAND USE TECHNOLOGIST
TOURISM, PARKS AND RECREATION
PARKS AND PROTECTED AREAS DIVISION
9820 106 ST NW FLOOR 2
EDMONTON AB T5K 2J6 (780) 644-5357

PRP009301 **EAGLE POINT**
 LAND DESCRIPTION
LICENCE B0037 5-07-049: 3NEP
LICENCE B0038 5-07-049: 3NEP

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

SURFACE ACCESS IS NOT PERMITTED

FOR FURTHER INFORMATION, PLEASE CONTACT:
DEBORAH JOHNSTONE
PLANNING AND LAND USE TECHNOLOGIST
TOURISM, PARKS AND RECREATION
PARKS AND PROTECTED AREAS DIVISION
9820 106 ST NW FLOOR 2
EDMONTON AB T5K 2J6 (780) 644-5357

SHA006701 **KEY WILDLIFE AND BIODIVERSITY ZONES**
 LAND DESCRIPTION
LEASE A0005 4-27-021: 22P
LEASE A0021 4-22-063: 35N, SEP, SW
LEASE A0025 5-07-055: 16SEP
LEASE A0026
LEASE A0027
LICENCE B0051 5-25-065: 31
 5-26-065: 35NP, SEP; 36N, SE, SWP
LICENCE B0056 6-02-065: 10NP
LICENCE B0057 5-25-066: 29; 30E, WP; 31SP, NEP; 32
 5-26-066: 1; 12; 13S, NWP, NE; 14EP; 24NP, SE, SWP; 25SEP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

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

SHA006801 COLONIAL NESTING BIRDS

LAND DESCRIPTION
LEASE A0008 4-24-022: 30NEP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

SHA007001 SPECIAL ACCESS ZONE

LEASE A0032

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 A0010 4-24-023: 28SWP,NEP; 31EP; 33WP

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 A0028
LEASE A0029
LICENCE B0048 5-26-064: 31NEP; 32P; 33P

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 2019 JULY 03 PUBLIC OFFERING NOTICE

SHA008401 CHINCHAGA GRIZZLY BEAR ZONE

LAND DESCRIPTION
LEASE A0032 6-01-084: 36P

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
LICENCE B0045 5-09-050: 21P
LICENCE B0047 5-12-055: 5P
LICENCE B0054 6-01-065: 10P

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

TSH003501 TRUMPETER SWAN HABITAT 800m BUFFER

LAND DESCRIPTION
LICENCE B0045 5-09-050: 18P; 21P
LICENCE B0047 5-12-055: 5P
LICENCE B0052 5-26-065: 31P
LICENCE B0054 6-01-065: 10P
LICENCE B0057 5-25-066: 29P; 30P

ALL LAND(S) IS/ARE WITHIN TRUMPETER SWAN HABITAT 800 METRE BUFFER. ACTIVITIES SHALL NOT OCCUR WITHIN 800 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