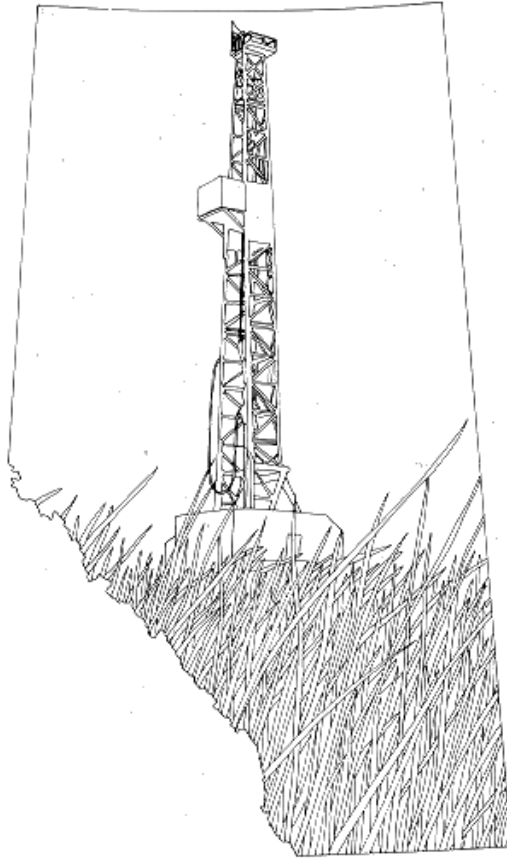


2019 MAY 22

PUBLIC OFFERING OF CROWN PETROLEUM AND NATURAL GAS RIGHTS



PUBLIC OFFERING CONTROL COUNTS FOR 2019.05.22

From	To	Total	Area
LEASES: A0073	A0109	37	11,184.8800 ha.
LICENCES: B0110	B0152	43	31,948.0000 ha.
		-----	-----
		80	43,132.8800 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 May 22**.

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 May 22** 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 MAY 22

LEASE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
A0073	384	4-17-003: 9E; 10 PETROLEUM AND NATURAL GAS TO THE TOP OF THE LWR BANFF-EXSHAW FM	(DRRZD 288)
A0074	256	4-14-013: 4 PETROLEUM AND NATURAL GAS	(SHA006801)
A0075	256	TRACT ONE 4-14-013: 5S,NW,L9 PETROLEUM AND NATURAL GAS	
		TRACT TWO 4-14-013: 5L10,L15,L16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0076	192	4-14-013: 8S,NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0077	256	TRACT ONE 4-14-013: 17N,L5-L7 PETROLEUM AND NATURAL GAS	
		TRACT TWO 4-14-013: 17L1-L4,L8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
A0078	256	4-14-013: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
A0079	256	4-14-013: 32 PETROLEUM AND NATURAL GAS	
A0080	64	4-05-021: 29SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MEDICINE HAT SD	(DRRZD 12)
A0081	256	4-27-021: 11 PETROLEUM AND NATURAL GAS	
A0082	192	TRACT ONE 5-03-029: 6E PETROLEUM AND NATURAL GAS	
		TRACT TWO 5-03-029: 6SW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
A0083	64	4-03-041: 29SW PETROLEUM AND NATURAL GAS	
A0084	128	4-20-046: 11S PETROLEUM AND NATURAL GAS	

2019 MAY 22

LEASE	HECTARES	LAND DESCRIPTION	
A0085	1024	4-27-051: 18-21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
A0086	176.88	4-06-054: 35P PORTION(S) DESIGNATED AS LAKE LOUISE AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1905/07/14. PETROLEUM AND NATURAL GAS	(ADM001801)
A0087	256	5-03-055: 16 PETROLEUM AND NATURAL GAS	
A0088	256	5-03-055: 21 PETROLEUM AND NATURAL GAS	
A0089	128	4-20-059: 4E PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0090	128	4-20-059: 10W PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0091	256	4-20-060: 11 PETROLEUM AND NATURAL GAS TO THE TOP OF THE ELK POINT GRP	(DRRZD 284)
A0092	128	4-25-063: 23E PETROLEUM AND NATURAL GAS TO THE BASE OF THE VIKING FM	(DRRZD 6)
A0093	256	4-20-064: 13 PETROLEUM AND NATURAL GAS	
A0094	256	4-21-064: 17 PETROLEUM AND NATURAL GAS	(SHA006701)
A0095	768	4-06-065: 2; 10; 11 PETROLEUM AND NATURAL GAS TO THE BASE OF THE MANNVILLE GRP	(ADM001801) (GZR002301) (IRS000602) (SHA006701) (DRRZD 4)
--- NORTHERN REGION ---			
A0096	256	5-14-046: 19 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BELLY RIVER GRP	(IRZ004401) (SHA006701) (SHA007901) (DRRZD 39)

PETROLEUM AND NATURAL GAS LEASES

LEASE SCHEDULE

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2019 MAY 22

LEASE	HECTARES	LAND DESCRIPTION	
A0097	256	5-14-046: 19 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLY RIVER GRP TO THE BASE OF THE SHUNDA FM	(IRZ004401) (SHA006701) (SHA007901) (DRRZD 39) (DRRZD 29)
A0098	896	TRACT ONE 5-12-050: 22 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
		TRACT TWO 5-12-050: 11; 14E; 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
A0099	512	TRACT ONE 5-12-050: 31 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 3) (DRRZD 60)
		TRACT TWO 5-12-051: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
A0100	768	5-12-051: 29; 30 5-13-051: 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
A0101	256	5-13-051: 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
A0102	128		(SHA007001)
		TRACT ONE 5-13-052: 9SE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE ROCK CREEK MBR EXCEPTING PETROLEUM AND NATURAL GAS IN THE MANNVILLE GRP	(DRRZD 3) (DRRZD 60) (DRRZD 4)
		TRACT TWO 5-13-052: 9NE PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP TO THE BASE OF THE ROCK CREEK MBR	(DRRZD 4) (DRRZD 60)
A0103	256	5-20-056: 16 PETROLEUM AND NATURAL GAS	(SHA008201)
A0104	256	5-09-057: 24 PETROLEUM AND NATURAL GAS TO THE BASE OF THE NORDEGG MBR	(DRRZD 66)
A0105	384	5-08-067: 26W; 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA008001) (DRRZD 21)

2019 MAY 22

LEASE	HECTARES	LAND DESCRIPTION	
A0106	256	5-25-075: 19 PETROLEUM AND NATURAL GAS	
A0107	256	5-26-075: 12 PETROLEUM AND NATURAL GAS	
A0108	256	5-23-076: 11 PETROLEUM AND NATURAL GAS	(IRS000201) (SHA006701) (SHA007001)
A0109	256	TRACT ONE 6-07-111: 26NE PETROLEUM AND NATURAL GAS	
		TRACT TWO 6-07-111: 26S,NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE KEG RIVER FM	(DRRZD 16)
37	11,184.88	HA TOTALS	END

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
--- PLAINS REGION ---			
B0110	1792		(GZR000701) (SHA006801)
	TRACT ONE	4-14-013: 11S,L11,L13,L14; 12N,SW; 13; 14; 23; 24 PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-14-013: 22E,L5,L6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
	TRACT THREE	4-14-013: 11NE; 12SE; 22NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT FOUR	4-14-013: 11L12; 22L3,L4 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)
<hr/>			
B0111	2892		
	TRACT ONE	4-14-013: 25; 28SW; 33L14; 34E,L13,L14; 35L13,L14; 36 4-14-014: 1SEP,SW PORTION(S) LYING TO THE WEST OF THE LEFT BANK OF THE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/07/08. 1NWP PORTION(S) LYING TO THE SOUTH OF THE LEFT BANK OF THE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/07/08. 1NEP; 2S PORTION(S) LYING TO THE WEST OF THE LEFT BANK OF THE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/07/08. 2NP; 3S,NP; 4S PORTION(S) LYING TO THE SOUTH OF THE LEFT BANK OF THE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/07/08. 4NEP PORTION(S) LYING TO THE WEST OF THE LEFT BANK OF THE BOW RIVER AS SHOWN ON A TOWNSHIP PLAN APPROVED AND CONFIRMED BY THE SURVEYOR GENERAL AT OTTAWA ON 1885/07/08. PETROLEUM AND NATURAL GAS	
	TRACT TWO	4-14-013: 26E,L3,L4,L13,L14 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SECOND WHITE SPECKS	(DRRZD 13)
	TRACT THREE	4-14-013: 27E PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BOW ISLAND SD	(DRRZD 8)
	TRACT FOUR	4-14-013: 27W; 28N,SE; 33S,NE,L11-L13; 34SW,L11,L12; 35SW,NE,L1,L2,L8,L11,L12 4-14-014: 4NW PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
	TRACT FIVE	4-14-013: 26L5,L6,L11,L12; 35L7 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SAWTOOTH FM	(DRRZD 20)

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
--- NORTHERN REGION ---			
B0112	256	5-06-037: 12 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MANNVILLE GRP	(DRRZD 4)
B0113	512	5-07-047: 19 5-08-047: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE NORDEGG MBR	(IRZ003601) (PPP001301) (PRA020101) (SHA006701) (DRRZD 3) (DRRZD 66)
B0114	512	5-07-047: 19 5-08-047: 25 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(IRZ003601) (PPP001301) (PRA020101) (SHA006701) (DRRZD 66)
B0115	512	5-08-048: 3; 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE NORDEGG MBR	(DRRZD 3) (DRRZD 66)
B0116	512	5-08-048: 3; 9 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE NORDEGG MBR	(DRRZD 66)
B0117	256	5-17-048: 17 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM TO THE BASE OF THE NORDEGG MBR	(SHA007901) (DRRZD 3) (DRRZD 66)
B0118	256	5-16-049: 35 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
B0119	256	5-16-049: 35 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM TO THE TOP OF THE ELKTON-SHUNDA	(DRRZD 22) (ZD 293-1)
B0120	256	5-16-049: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
B0121	1792	5-11-050: 7 5-12-050: 11; 12; 14; 15; 22; 23 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
B0122	1536	5-12-050: 31 5-12-051: 6 5-13-051: 2; 10; 12; 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0123	256	5-21-050: 34 PETROLEUM AND NATURAL GAS TO THE TOP OF THE SPIRIT RIVER FM	(SHA007901) (DRRZD 22)
B0124	256	5-21-050: 36 PETROLEUM AND NATURAL GAS TO THE BASE OF THE CARDIUM FM	(SHA007901) (DRRZD 3)
B0125	1536	5-12-051: 29; 30 5-13-051: 13; 15; 21; 24 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0126	512	5-12-051: 32; 33 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0127	1280	5-13-051: 7-9; 17; 18 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(DRRZD 60) (DRRZD 79)
B0128	1536	5-13-052: 5-10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR TO THE BASE OF THE NISKU FM	(ESZ000101) (SHA006701) (SHA007001) (DRRZD 60) (DRRZD 79)
B0129	256	5-19-052: 22 PETROLEUM AND NATURAL GAS TO THE BASE OF THE SPIRIT RIVER FM	(IRZ001901) (SHA006701) (DRRZD 22)
B0130	256	5-23-052: 9 PETROLEUM AND NATURAL GAS TO THE TOP OF THE SPIRIT RIVER FM	(SHA007901) (DRRZD 22)
B0131	1280	TRACT ONE 5-11-054: 1-4 PETROLEUM AND NATURAL GAS TRACT TWO 5-10-054: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE ROCK CREEK MBR	(DRRZD 60)
B0132	256	5-18-055: 3 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(ESZ000101) (SHA006701) (DRRZD 3)

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
B0133	256	5-18-055: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CARDIUM FM	(DRRZD 3)
B0134	512	5-22-057: 32 5-22-058: 6 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (SHA008201) (DRRZD 21)
B0135	768	5-23-057: 33 5-23-058: 5; 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA008201) (DRRZD 21)
B0136	512	5-23-058: 21; 27 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (SHA008201) (DRRZD 21)
B0137	256	5-23-058: 27 PETROLEUM AND NATURAL GAS TO THE BASE OF THE BLUESKY-BULLHEAD	(SHA006701) (SHA008201) (DRRZD 21)
B0138	768	TRACT ONE 5-24-064: 29; 30 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM TRACT TWO 5-24-064: 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BANFF FM EXCEPTING PETROLEUM AND NATURAL GAS IN THE BEAVERHILL LAKE GRP	(TSH003401) (TSH003501) (DRRZD 255) (DRRZD 255) (DRRZD 5)
B0139	512	5-25-064: 17; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(ESZ000101) (SHA006701) (SHA008201) (TSH003401) (TSH003501) (DRRZD 37)
B0140	512	TRACT ONE 5-23-065: 23NE PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM TRACT TWO 5-23-065: 23S,NW; 26 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 38) (DRRZD 37) (DRRZD 37)
B0141	512	5-24-065: 7; 8 PETROLEUM AND NATURAL GAS EXCEPTING PETROLEUM AND NATURAL GAS IN THE TRIASSIC SYSTEM	(DRRZD 37)

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
B0142	448	6-08-065: 31SE; 32S; 33 PETROLEUM AND NATURAL GAS TO THE BASE OF THE DUNVEGAN FM	(DRRZD 38)
B0143	2048		(SHA006701)
	TRACT ONE	5-20-066: 7; 17; 18 5-21-066: 12-15 PETROLEUM AND NATURAL GAS	
	TRACT TWO	5-20-066: 8 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0144	1280		(ESZ000101) (IRS000201) (SHA006701) (TSH003401) (TSH003501)
		5-26-067: 36 5-26-068: 1; 11; 12; 14 PETROLEUM AND NATURAL GAS	
B0145	1728		
	TRACT ONE	5-25-069: 30; 31 5-26-069: 36 5-26-070: 1; 10; 15N,SE PETROLEUM AND NATURAL GAS TO THE BASE OF THE FERNIE GRP PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 276) (DRRZD 37)
	TRACT TWO	5-25-069: 32 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0146	512		(IRS000201) (SHA006701)
		5-26-069: 17; 20 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0147	512		(IRS000201) (SHA006701)
		5-26-069: 17; 20 PETROLEUM AND NATURAL GAS TO THE BASE OF THE TRIASSIC SYSTEM	(DRRZD 37)
B0148	256		
		6-11-074: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BELLOY FM	(DRRZD 32)
B0149	256		
		6-11-074: 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE MONTNEY FM	(DRRZD 264)
B0150	768		(TSH003401) (TSH003501)
	TRACT ONE	6-13-074: 7; 15 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
	TRACT TWO	6-13-074: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE DOIG FM	(DRRZD 251)

2019 MAY 22

LICENCE	HECTARES	LAND DESCRIPTION	
B0151	512		
	TRACT ONE	6-09-079: 16 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE SPIRIT RIVER FM	(DRRZD 22)
	TRACT TWO	6-09-079: 21 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE CHARLIE LAKE FM	(DRRZD 247)
B0152	256	6-08-110: 10 PETROLEUM AND NATURAL GAS BELOW THE BASE OF THE BLUESKY-BULLHEAD	(DRRZD 21)
43	31,948.00	HA TOTALS	END

ZONE DESIGNATIONS APPLICABLE TO THE 2019 MAY 22 PUBLIC OFFERING NOTICE

ZD: 293-1

ZONE: 6390 ELKTON-SHUNDA

INTERVAL: 9865.00 - 9930.00 FEET

KEY WELL: 00/10-33-049-16W5/0

LOG TYPE: INDUCTION ELECTRIC

END

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 MAY 22 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: 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: 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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS
APPLICABLE TO THE 2019 MAY 22 PUBLIC OFFERING NOTICE

DRRZD: 29 ZONE: 6400 SHUNDA FM

INTERVAL: 11048.00 - 11229.00 FEET
KEY WELL: 00/07-24-041-12W5/0
LOG TYPE: BOREHOLE COMPENSATED SONIC

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: 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: 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: 251 ZONE: 5200 DOIG FM

INTERVAL: 1770.00 - 1853.00 METRES
KEY WELL: 00/03-22-078-10W6/0
LOG TYPE: DUAL INDUCTION SPHERICALLY FOCUSED

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

DEEPER RIGHTS REVERSION ZONE DESIGNATIONS

APPLICABLE TO THE 2019 MAY 22 PUBLIC OFFERING NOTICE

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: 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: 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

DRRZD: 288 ZONE: 6470 LWR BANFF-EXSHAW FM

INTERVAL: 1255.00 - 1284.00 METRES
KEY WELL: 00/08-24-003-17W4/0
LOG TYPE: COMPENSATED NEUTRON-FORMATION DENSITY

END

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 MAY 22 PUBLIC OFFERING NOTICE

ADM001801 COLD LAKE OIL SANDS DESIGNATED AREA

LEASE A0086
LEASE A0095

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
LICENCE B0128 5-13-052: 7P
LICENCE B0132 5-18-055: 3P
LICENCE B0139 5-25-064: 20P
LICENCE B0144 5-26-067: 36P

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

GZR000701 HAYS

LAND DESCRIPTION
LICENCE B0110 4-14-013: 12NEP; 13NWP; 24SP

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

ADDENDA AND CONTACTS APPLICABLE TO THE 2019 MAY 22 PUBLIC OFFERING NOTICE

GZR002301 WOLF LAKE

LAND DESCRIPTION
LEASE A0095 4-06-065: 2; 10; 11S,NWP

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

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

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

IRS000201 STURGEON LAKE-PUSKWASKAU EAST

LAND DESCRIPTION
LEASE A0108 5-23-076: 11P
LICENCE B0144 5-26-067: 36P
5-26-068: 1; 11P; 12; 14P
LICENCE B0146 5-26-069: 17P
LICENCE B0147 5-26-069: 17P

ALL LAND(S) IS/ARE WITHIN A INTEGRATED RESOURCE PLAN SPECIAL LAND USE AREA

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

IRS000602 COLD LAKE

LAND DESCRIPTION
LEASE A0095 4-06-065: 11L8,L9,L16

ALL LAND(S) IS/ARE WITHIN THE COLD LAKE SUBREGIONAL INTEGRATED RESOURCE PLAN.

SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS

FOR FURTHER INFORMATION, PLEASE CONTACT:

DAVE LIND
LAND MANAGEMENT SPECIALIST
LAC LA BICHE REGIONAL OFFICE - LAND AND FOREST SERVICE DEPT. OF
SUSTAINABLE RESOURCE DEV
PO BOX 450
LAC LA BICHE AB T0A 2C0 (780) 623-5240

IRZ001901 COAL BRANCH ZONE 2

LAND DESCRIPTION
LICENCE B0129 5-19-052: 22P

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
HINTON OFFICE
HINTON OFFICE - LAND USE AREA- LANDS DIVISION DEPT. OF SUSTAINABLE
RESOURCE DEV
131 CIVIC CENTRE RD FLOOR 3
HINTON AB T7V 2E6 (780) 865-8267

SHA006701 KEY WILDLIFE AND BIODIVERSITY ZONES

	LEASE	LICENCE	LAND DESCRIPTION
	A0094		4-21-064: 17N,SE,SWP
	A0095		4-06-065: 10WP
	A0096		
	A0097		
	A0108		5-23-076: 11E,WP
		B0113	
		B0114	
		B0128	5-13-052: 7NP,SWP; 8NWP
		B0129	5-19-052: 22SP,NWP,NE
		B0132	5-18-055: 3NEP
		B0134	5-22-058: 6P
		B0136	5-23-058: 21N,SEP,SW; 27P
		B0137	5-23-058: 27P
		B0139	5-25-064: 17SP,N; 20
		B0143	5-20-066: 7E,WP; 8; 17; 18
			5-21-066: 12NEP; 13SP,NWP,NE; 14NP
		B0144	
		B0146	5-26-069: 17SWP
		B0147	5-26-069: 17SWP

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

	LEASE	LICENCE	LAND DESCRIPTION
	A0074		4-14-013: 4EP
		B0110	4-14-013: 11SWP,L12P

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	LICENCE	LAND DESCRIPTION
	A0102		5-13-052: 9EP
	A0108		5-23-076: 11WP
		B0128	5-13-052: 5NP,SWP; 6SP,N; 7NP,SE,SWP; 8S,NWP,NE; 9SP,NW,NEP; 10NWP

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 MAY 22 PUBLIC OFFERING NOTICE

SHA007901 YELLOWHEAD GRIZZLY BEAR ZONE

LAND DESCRIPTION

LEASE A0096
LEASE A0097
LICENCE B0117 5-17-048: 17P
LICENCE B0123
LICENCE B0124
LICENCE B0130

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

SHA008001 SWAN HILLS GRIZZLY BEAR ZONE

LEASE A0105

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

LEASE A0103
LICENCE B0134
LICENCE B0135
LICENCE B0136
LICENCE B0137
LICENCE B0139

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 B0138 5-24-064: 20P
LICENCE B0139 5-25-064: 20P
LICENCE B0144 5-26-068: 11P; 12P; 14P
LICENCE B0150 6-13-074: 15P; 16P

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 B0138	5-24-064: 20P
LICENCE B0139	5-25-064: 20P
LICENCE B0144	5-26-068: 11P; 12P; 14P
LICENCE B0150	6-13-074: 15P; 16P

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