

MINERAL AGREEMENT SEARCH

Detailed Descriptions

TABLE OF CONTENTS

	<u>Page</u>
Introduction	3
Mineral Agreement Search	5
Mineral Agreement Search by Client ID	21
Mineral Resources Agreement Types Table AGRTYPE	25
Mineral Resources Unit Types Table UNITTYPE	27
Mineral Resources Addendum Text Table RESTAGCY	27
Mineral Resources Access/Rights Text Table RESTACCS	27
Mineral Resources Restriction Activity Text Table RESTACTV	28
Mineral Resources Security Level Text Table RESTSECR	28
Mineral Resources Restriction Types Table RESTTYP	28
Mineral Resources Entity Status Types Table ENSTATS	30
Abbreviations & Acronym's	30
Appendix 1 - LSAS Land Formats	31

LSAS - MINERAL RESOURCES SEARCHES

INTRODUCTION

The Land Status Automated System (LSAS) forms the official departmental record of all instruments recorded, pursuant to the Mines and Minerals Act, that grant or reserve rights to a crown mineral. The Mineral Subsystem of LSAS is maintained and administered by Alberta Department of Energy, Crown Land Data Support.

Land Status Automated System (LSAS) is a computerized database system that provides information on Public Lands (surface) and Crown Minerals in Alberta. This data is essential to the management of agreements that cover crown resources. Data is retrieved through computer terminals distributed throughout Energy, Sustainable Resource Development and other provincial Government departments. Crown Land Data Support is responsible for updating corporate data and training as well as system maintenance and development in conjunction with the system analysts. The powerful automated database of LSAS permits the departments using land data to better serve the needs of the public.

The primary applications of the system are: (a) to provide access to accurate and timely information relating to public land, and surface and mineral interests on crown land. This is provided through direct terminal access for government agencies. The Public sector can access this data by the provision of hard copy reports on request or access to the Electronic Transfer System (ETS) which provides search capabilities through the Internet. And (b) to support the data capture requirements of government departments through the input and maintenance of their data, e.g. all activities and land for Sustainable Resource Development, mineral agreements for Alberta Department of Energy.

Examples of the administrative processes supported by LSAS are access to land standing information, data recording and maintenance, application approval, disposition review and statistical/management reporting.

The data components include:

- (a) clients - all clients having an interest in Public Lands or Crown Minerals;
- (b) activities - all surface dispositions, mineral agreements, etc.
- (c) land - all Alberta township land and public subdivided land defined by a plan block lot reference
- (d) geo administrative areas - such as provincial parks, special areas, etc.

Searches described in this book.

- 1) Mineral Agreement Search
- 2) Mineral Agreement Search by Client ID

This publication provides samples of these search formats available from the Mineral subsystem, the applicable fees and explanations of the various data fields contained within each report.

All agreements and data displayed within these samples are for illustrative purposes only. All persons making use of this publication are advised that the material does not have any legislative or official government sanction, and accordingly is not binding in any way upon the Government of Alberta, and, in particular, ALBERTA DEPARTMENT OF ENERGY

For further information or to request searches, please contact

ALBERTA DEPARTMENT OF ENERGY /Crown Land Data Support

3rd Floor 9945 – 108 Street
Edmonton, Alberta, Canada T2P 3W2
TELEPHONE: (780) 422 - 5727
E-mail inquiries can be sent to:
crownlanddatasupport@gov.ab.ca

Or from the

Electronic Transfer System (ETS) at WWW.energy.gov.ab.ca

MINERAL AGREEMENT SEARCH

This report will provide agreement information which includes; the agreement status, agreement area, various dates, the term of the agreement, term adjustments, related agreements, service address, current participants, land/zone description, and production entity activity.

- 1) Request Requirements.
Agreement Type(s) and Agreement Number(s).
(see table AGRTYPE); e.g., 002 1234 or Natural Gas Lease 1234
- 2) Report Sort.
Sorted by Agreement Type/Number.
- 3) Fee.
\$6.00 per agreement.

LAND STATUS AUTOMATED SYSTEM
PARAMETERS FOR 042D MINERAL AGREEMENT SEARCH

REPORT DATE: 2005-01-01 TIME: 15:26:41

LSRCCBAN
PAGE = 1

----- ADHOC REPORT SUBMISSION OPTION PARAMETERS -----

JOB CREATION TIME: 15:26:24
REPORT TYPE: D

----- AGREEMENT KEYS -----

005 0592050234

*** END OF PARAMETER LIST ***

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

REPORT DATE: 2005-01-01 TIME: 15:26:49

LFAS0420
PAGE = 1

AGREEMENT TYPE	AGREEMENT NUMBER	STATUS	STATUS DESCRIPTION	TERM DATE	ORIGINAL EXPIRY DATE	CURRENT EXPIRY DATE	CANCELLATION REASON
005 5 YR NORTHERN PNG LEASE	0592050234	5	ACTIVE	1992-05-28	1997-05-28	MULTIPLE	
TOTAL NUMBER OF AGREEMENTS SELECTED:	1						

ABOVE TOTALS FOR THE SORT SEQUENCE:

1

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

LSMC0420
PAGE = 1

REPORT DATE: 2005-01-01 TIME: 15:26:52

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

-----2- C U R R E N T S T A T U S -----

STATUS:	ACTIVE	LAST UPDATE DATE:	2001-01-24
AGREEMENT AREA:	256.0000	TERM:	5 YRS 0 MTHS 0 DAYS
TERM DATE:	1992-05-28	CONTINUATION PENDING:	N
CONTINUED TO DATE:	MULTIPLE	CANCELLATION TYPE:	
CONTINUATION DATE:	1997-05-02	SECURITY DEPOSIT AMOUNT:	\$25,000.00
CANCELLATION DATE:		ENCUMBRANCE COUNT:	1
SECURITY TYPE:	PNG CONT-ACCEPTANCE FEE		
OFFSET COMPENSATION:	N		
WELL COUNT:	1		

-----3-- D E F A U L T N O T I C E -----

DEFAULT NOTICE DATE:	1999-05-19	TYPE:	ROYALTY
----------------------	------------	-------	---------

-----4-- T E R M A D J U S T M E N T S -----

ADJUSTMENT TYPE:	EXTENSION OF CONTINUATION ETC.	EXPIRY DATE:	2002-09-01
SECTION OF ACT/REGS:	16 (8)	TERM:	0 YRS 4 MTHS 6 DAYS
COUNT:	1	TRACT:	00
ADJUSTMENT TYPE:	EXTENSION OF CONTINUATION ETC.	EXPIRY DATE:	2003-01-01
SECTION OF ACT/REGS:	16 (8)	TERM:	0 YRS 4 MTHS 0 DAYS
COUNT:	2	TRACT:	00

-----5-- O R I G I N D A T A -----

SALE/ORDER IN COUNCIL DATE:	1992-05-27	ORIGINAL EXPIRY DATE:	1997-05-28
PAYMENT ORIGIN:	PUBLIC PNG LEASE SALE - BONUS	ORIGINAL AREA:	256.0000
		PAYMENT AMOUNT:	\$100,000.00

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

LSMC0420
PAGE = 2

REPORT DATE: 2005-01-01 TIME: 15:26:52

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

CONTINUED ...

-----6-- R E L A T E D A G R E E M E N T S / A M E N D M E N T S -----

DATE	DESCRIPTION	AGREEMENT TYPE NUMBER	TYPE DESCRIPTION
1997-05-28	PRIMARY CONTINUATION		

-----7-- D E S I G N A T E D R E P R E S E N T A T I V E -----

NAME AND ADDRESS	STATUS: ACTIVE
000-0631 KERR-MCGEE CORPORATION 001 2600 BOW VALLEY SQ IV 250 6 AVE SW CALGARY	ALBERTA T2P 3H7

-----8-- C U R R E N T P A R T I C I P A N T S -----

LAST TRANSFER DATE: 1992-06-01 TRANSFER PENDING: Y

CLIENT ID	RELATION	STATUS	INTEREST
000-0498 003	OWNER	ACTIVE	25.0000000
GRAND PRIX NATURAL GAS LTD.			
000-0631 001	OWNER	ACTIVE	75.0000000
KERR-MCGEE CORPORATION			

-----9-- L A N D / Z O N E D E S C R I P T I O N -----

TRACT NUMBER: 01

LAND DESCRIPTION:

5-07-020: 7NWFP PORTION LYING OUTSIDE LAKE,
L7SP PORTION EAST OF IR 123,

PETROLEUM AND NATURAL GAS:

IN ALL ZONES BELOW THE BASE OF THE VIKING FM
AS DESIGNATED IN DRRZD 00006
INTERVAL: 2600.00 - 2680.00 FEET
KEY WELL: 00/07-08-050-14W4/0
LOG TYPE: DIS SFE SP
OK TO GO OUT ON SEARCH

TO THE BASE OF THE MANNVILLE GRP

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

LSMC0420
PAGE = 3

REPORT DATE: 2005-01-01 TIME: 15:26:52

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

CONTINUED ...

AS DESIGNATED IN DRRZD 00004
INTERVAL: 2557.00 - 2985.00 FEET
KEY WELL: 00/11-16-050-08W4/0
LOG TYPE: SIMULTANEOUS TRIPLE INDUCTION

----- MULTIPLE CONTINUATION INFORMATION -----

LAND DESCRIPTION:
5-07-020: 7NWFP

CONTINUED TO: INDEFINITE SECTION OF ACT/REGS: 15

PETROLEUM AND NATURAL GAS
IN ALL ZONES BELOW THE BASE OF THE VIKING FM
TO THE BASE OF THE MANNVILLE GRP

LAND DESCRIPTION:
5-07-020: 7L7SP

CONTINUED TO: 1998-05-02 SECTION OF ACT/REGS: 17

PETROLEUM AND NATURAL GAS
IN ALL ZONES BELOW THE BASE OF THE VIKING FM
TO THE BASE OF THE MANNVILLE GRP

----- END OF MULTIPLE CONTINUATION INFORMATION -----

TRACT NUMBER: 02

LAND DESCRIPTION:
5-01-006: 2

PETROLEUM AND NATURAL GAS:
IN ALL ZONES TO BASEMENT

CONTINUED TO: INDEFINITE SECTION OF ACT/REGS: 15

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

LSMC0420
PAGE = 4

REPORT DATE: 2005-01-01 TIME: 15:26:52

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

CONTINUED ...

-----10-- S P E C I A L P R O V I S I O N S -----

BECAUSE A PORTION OF THE LOCATION OF THIS AGREEMENT IS WITHIN THE AREA OF A PROPOSED DAM AND RESERVOIR PROJECT, THIS AGREEMENT IS GRANTED UPON THE FOLLOWING CONDITIONS:

A) THAT ALL OPERATIONS SHALL CEASE ON THE LOCATION OF THE AGREEMENT AND THE HOLDER OF THE AGREEMENT SHALL SURRENDER THE AGREEMENT OR THE PART OF THE LOCATION SPECIFIED BY THE MINISTER WITHIN ONE YEAR AFTER THE GIVING BY THE MINISTER IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINES AND MINERALS ACT OF A NOTICE CONTAINING STIPULATIONS TO THAT EFFECT; AND

B) THAT A FAILURE BY THE HOLDER OF THE AGREEMENT TO COMPLY WITH THE NOTICE REFERRED TO IN CLAUSE (A) WILL BE CONSIDERED A BREACH OF THE CONDITIONS SET FORTH IN CLAUSE (A) FOR WHICH BREACH THE MINISTER MAY CANCEL THIS AGREEMENT WITHOUT PAYMENT OF COMPENSATION PURSUANT TO THE RELEVANT PROVISIONS OF THE MINES AND MINERALS ACT.

-----11-- P R O D U C T I O N E N T I T Y A C T I V I T Y -----

PRODC TN	TYPE	UNIT	FILE NUMBER/NAME/WELL
ENTITY	NAME	TYPE/NUMBER	
86401 0	UNIT	085 558	TIDE LAKE GAS UNIT NO. 2

-----12-- W E L L D A T A -----

WELL ID	STATUS	DESCRIPTION	DELIMITER
00/01-02-006-01W5/0	0202000000	GAS ABD	LOCATED/AGR

-----13-- R E N T A L I N F O R M A T I O N -----

REQUIRED RENTAL AMOUNT:	\$896.00	RENTAL PAID TO DATE:	1999-05-28
DEFAULT NOTICE ISSUED:	1996-12-03	MONTHLY INVOICE:	N

-----14-- E N C U M B R A N C E S -----

ENCUMBRANCE ID:	9201001	STATUS:	ACTIVE
NATURE:	BUILDERS LIEN		
REGISTRATION DATE:	1992-01-06		

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

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PAGE = 5

REPORT DATE: 2005-01-01 TIME: 15:26:52

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

CONTINUED ...

LIS PENDENS DOCUMENT NO: 9202001

LIS PENDENS REGISTRATION DATE:1992-07-08

ADDRESS FOR SERVICE (1) ROYAL TRUST CORPORATION OF CANADA ADDRESS FOR SERVICE (2)

700 THE DOME TOWER
TORONTO DOMINION SQ
PO BOX 2955
CALGARY
ALBERTA
CANADA
T2P 2Z3

INTEREST OF: CAM MINES LTD.

SECURED PARTIES: TORONTO BANK

LIEN HOLDER(S): RENAISSANCE ENERGY LTD.

LAND DESCRIPTION:
ALL LANDS; ALL ZONES

-----15-----

See Data Fields for Group Data - Licence only section 15

-----16-- G E N E R A L R E M A R K S -----

REMARK TYPE

REMARK

01 OSA1 - ATHABASCA

OIL SANDS AREA 1 - ATHABASCA - PETROLEUM IS DEEMED TO BE OIL SANDS BETWEEN THE TOP OF THE VIKING FORMATION AND THE BASE OF THE WOODBEND GROUP.

01 OSA1 - ATHABASCA

01 OSA1 - ATHABASCA

42 TRANSFER PENDING

2000/12/12 - 00120001 REGISTRATION NUMBER - TRANSFER PENDING

80 ULTIMATE HEIR/OTHER CROWN ACQUISITION

SUBJECT TO ULTIMATE HEIR

-----17-- A D D E N D U M D E T A I L -----

ADDENDUM NUMBER: BWP 0001 03

NAME: LAKE NEWELL PROJECT
BUCK FOR WILDLIFE PROJECT

ACCESS LEVEL: 2 SURFACE ACCESS HAS YET TO BE DETERMINED
SECURITY LEVEL: P PUBLIC INFORMATION

ACTIVITY TYPE: A ALL ACTIVITIES
EFFECTIVE DATE: 1901-01-01 EXPIRY DATE: 9999-99-99

LAND STATUS AUTOMATED SYSTEM
MINERAL AGREEMENT SEARCH

REPORT DATE: 2005-01-01 TIME: 15:26:52

LSMC0420
PAGE = 6

AGREEMENT TYPE/NUMBER: 005 0592050234 5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE

CONTINUED ...

-----18-- CONTACT CLIENT -----

CONTACT ID/NAME: EV13 MICHAEL MELNYK
PHONE NO: (403) 297 5934 TITLE: RECLAMATION INSPECTOR

CLIENT ID: 800-1028 001 STATUS 5 ACTIVE
ENVIRONMENTAL PROTECTION, DEPARTMENT OF
LAND RECLAMATION DIVISION
2 FLOOR, DEER FOOT SQUARE
2938 11 STR N E
CALGARY ALBERTA
CANADA T2E 7L7

-----19-- LAND / ZONE DESCRIPTION -----

LAND DESCRIPTION:
5-01-006: 2
5-07-020: 7NWFP PORTION LYING OUTSIDE LAKE
L7SP PORTION EAST OF IR 123

PETROLEUM AND NATURAL GAS

-----20-- ADDENDUM TEXT -----

TEXT ID: ENV 15 ENVIRONMENTAL PROTECTION

MAY BE REQUIRED FOR A PROPOSED DAMSITE AND/OR RESERVOIR PROJECT.

21 *****
* THIS SEARCH IS PROVIDED ON THE CONDITION AND UNDERSTANDING THAT HER MAJESTY THE QUEEN IN RIGHT OF ALBERTA IS IN *
* NO WAY RESPONSIBLE FOR LOSS OR DAMAGE ARISING FROM ANY ERRORS OR OMISSIONS IN THIS SEARCH AND ANY PERSON MAKING *
* USE OF OR RELYING IN ANY WAY ON THIS SEARCH HEREBY RELEASES HER MAJESTY THE QUEEN IN RIGHT OF ALBERTA FROM ANY *
* LIABILITY FOR SUCH LOSS OR DAMAGE. *

*** END OF AGREEMENT ***
*** END OF REPORT ***

Data Fields Within the Mineral Agreement Search

1 REPORT HEADING

REPORT DATE AND TIME: Date and time Mineral Agreement Search was generated by the Land Status Automated System (LSAS).

AGREEMENT TYPE / NUMBER

The first three characters identifies the agreement type, e.g., applications, postings or agreements (see table AGRTYPE).

The remaining characters are a unique agreement number assigned by the The Department of Energy.

For a 10 - Digit Agreement Number

1st and 2nd Digits	Equivalent to last two digits of the agreement type.
3rd and 4th Digits	Year in which term commences (last two digits only).
5th and 6th Digits	Month in which term commences.
7th Digit	0 (zero) to indicate original agreement; A, B, C, etc., to indicate a divided or partially transferred agreement prior to 1994.
8th, 9th, and 10th Digits	Sequence of agreements issued in month.

DESCRIPTION: Description of the agreement type (see table AGRTYPE).

2 CURRENT STATUS

STATUS: Describes the current standing of the agreement, e.g. active, cancelled (see table ENSTATS).

AGREEMENT AREA: Current agreement area in hectares.

LAST UPDATE DATE: Last date any data field was updated on the agreement.

TERM DATE: Commencement date of the agreement.

TERM: Describes the period of years stated in the agreement as its term.

CURRENT EXPIRY DATE / CONTINUED TO DATE

- 1 Date term expires or the date to which the agreement continues.
- 2 Indefinite signifies that the agreement is continuing indefinitely. Multiple signifies that more than one expiry date relates to lands and/or zones.

CONTINUATION DATE: For a continued petroleum and/or natural gas agreement, the date on which the continuation became effective.

CONTINUATION PENDING: Identifies that there is a Continuation Pending on a petroleum and/or natural gas agreement.

CANCELLATION DATE: Effective date of cancellation by The Department of Energy.

CANCELLATION TYPE: Describes the reason for cancellation of an agreement.

INTERMEDIATE TERM APPLICATIONS (licence only) Intermediate term applications has been applied for.

SECURITY TYPE: Describes the form of security deposits held by The Department of Energy.

SECURITY DEPOSIT AMOUNT: Amount of security deposit held.

OFFSET COMPENSATION:

If "Y", compensatory royalty is being paid to satisfy an offset requirement.

If "N", no compensatory royalty is being paid.

ENCUMBRANCE COUNT: Number of encumbrances registered against the agreement.

WELL COUNT: Number of wells in the agreement.

LICENCE VINTAGE (licence only): Indicates the term the licence is in: initial, intermediate or continued.

3 DEFAULT NOTICE

DEFAULT NOTICE DATE: Date the notice for a default of payment was issued.

TYPE: Describes the reason for the Default notice.

4 TERM ADJUSTMENTS

ADJUSTMENT TYPE: Describes the type of term adjustment, e.g., extension or renewal of same agreement.

EXPIRY DATE: Date term adjustment expires.

SECTION OF ACT / REGULATIONS: Section of Mines and Minerals Act or Regulations under which the term of the agreement is extended or renewed.

TERM: Describes the period of time for which the agreement is extended after original expiry.

COUNT: Number of times agreement is extended or renewed.

TRACT: A number assigned by The Department of Energy, when necessary, to differentiate lands / zones within an agreement. All lands in each tract will have common rights.

5 ORIGIN DATA

ORIGINAL EXPIRY DATE: Date original term expired.

SALE / ORDER IN COUNCIL DATE: Date agreement was purchased or authorised for issuance by the Lieutenant Governor through an Order in Council.

ORIGINAL AREA: Agreement area in hectares at the time the agreement was originally issued.

PAYMENT ORIGIN: Describes the type of payment to The Department of Energy by the lessee(s) to obtain the agreement.

PAYMENT AMOUNT: Amount of payment, e.g., bonus, purchase price.

6 RELATED AGREEMENTS/AMENDMENTS

DATE: Date amendment or relationship was effective.

DESCRIPTION: Identifies reason for amendment or related originating/resulting agreement(s).

AGREEMENT TYPE / NUMBER: See report heading.

TYPE DESCRIPTION: See report heading.

7 DESIGNATED REPRESENTATIVE

NAME AND ADDRESS: Name and postal address that has been submitted by the lessee(s) and registered in the Department of Energy as the address where all correspondence relating to an agreement is to be forwarded.

STATUS: Describes status of client, e.g., Active, Liable for Strike Off, Struck Off, In Receivership, In Liquidation.

8 CURRENT PARTICIPANTS

LAST TRANSFER DATE: Date last transfer of ownership was registered with The Department of Energy.

TRANSFER PENDING FLAG: Indicates if agreement has a transfer waiting to be registered.

CLIENT ID: Is the client identifier assigned to a unique company or individual name and their address which is stored in the LSAS client registry.

RELATION: Describes relationship of participant to the agreement, e.g., owner.

STATUS: Describes status of client, e.g., Active, Liable for Strike Off, Struck Off, In Receivership, In Liquidation.

INTEREST: Registered undivided interest in the agreement in percentages or fractions. This does not include working interest ownership, which is not recorded by the Department of Energy.

NAME: Name(s) of registered lessee(s).

9 LAND/ZONE DESCRIPTION

TRACT NUMBER: A number assigned by The Department of Energy, when necessary, to differentiate lands / zones within an agreement. All lands in each tract will have common rights.

LAND DESCRIPTION: Describes leased lands by meridian, range, township, section(s) and part of section(s) (See LSAS Land Formats).

SUBSTANCE / ZONES:

Describes substance(s) and zones(s) contained within the agreement, e.g. petroleum and natural gas in all zones to basement – where the lessee(s) has the right to drill for, win, work and recover petroleum and natural gas in all formations. e.g., petroleum and natural gas in all zones to above base Mannville – where the lessee(s) has the right to drill for, win, work and recover petroleum and natural gas in all formations down to and including Mannville.

DEEPER RIGHTS REVERSION ZONE DESIGNATION (DRRZD) / ZONE DESIGNATION (ZD):

A unique ID number assigned by the Energy and Utilities Board.

A Zone Designation (ZD) designates a lithostratigraphic zone described specifically by the depths identified in a particular well. ZDs are used, for instance, to describe the zones included in natural gas leases. When a ZD is being used the depths and the interval take precedence over the name given to the zone.

A Deeper Rights Reversion Zone Designation (DRRZD) identifies a zone by its name. As noted in EUB Decision 95-10, *historically the name of the zone identified within type wells takes precedence over the depths identified in terms of utilizing a DRRZD.*

STATUS OF CONTINUED LANDS (PNG or Oil Sands only).

- 1) CONTINUED TO: Date to which the specified lands/zones are continued.
- 2) CONTINUATION SECTION: Petroleum and Natural Gas Tenure Regulations that lands/zones are continued under, e.g., 15, 16, 17, 18.
- 3) MULTIPLE CONTINUATION INFORMATION: Describes when continuation applies to more than one section of the Petroleum and Natural Gas Tenure Regulations. A land/zone description, and continued to date appear with each continuation section for the specific tract and /or lands.

10 SPECIAL PROVISIONS

Unique terms, conditions or exceptions described as part of a mineral lease document.

11 PRODUCTION ENTITY ACTIVITY

PRODUCTION ENTITY: A unique number, for the purpose of collecting royalties, that has been assigned by Mineral Revenues to identify producing PNG wells that are within an approved operation, e.g., unit, project, block.

TYPE NAME: Describes the production entity type, e.g., production spacing unit (PSU), block, unit.

UNIT / TYPE NUMBER: The first three characters identifies the unit type (see table UNITYTYPE). The remaining characters are a unique unit number assigned by the Department of Energy.

FILE NUMBER / NAME / WELL: The literal name or well identifier for the production entity.

12 WELL DATA

WELL ID: A unique well identifier which provides the approximate geographical location of the bottom of a drill hole.

STATUS: Numeric status code of the well.

DESCRIPTION: Describes the current standing of the well.

DELIMITER: Define the relationship to the agreement.

13 RENTAL INFORMATION

REQUIRED RENTAL AMOUNT: Rental amount according to the Mines and Mineral Administration Regulation, pertinent regulation or as specified within the agreement.

RENTAL PAID TO DATE: Date on which the next rental payment is required.

DEFAULT NOTICE ISSUED: Date default notice was sent to designated representative when rent has not been paid.

MONTHLY INVOICE: If Y, the agreement is billed for rent as part of a combined invoice.
If N, the agreement receives a separate invoice.

14 ENCUMBRANCES

ENCUMBRANCE ID: Registration number assigned by The Department of Energy to the encumbrance.

STATUS: Describes the current standing of the encumbrance.

NATURE: Describes the type of encumbrance, e.g., security notice, builders lien.

REGISTRATION DATE: Date encumbrance was registered by The Department of Energy.

LIS PENDENS DOCUMENT No.: Registration number assigned by The Department to the Lis Pendens (only applicable to builders liens).

LIS PENDENS REGISTRATION DATE: Date Lis Pendens was registered by The Department.

ADDRESS FOR SERVICE (1) & (2): Name and postal address registered by The Department of Energy as the address to which all correspondence relating to an encumbrance is to be forwarded.

INTEREST OF: Direct or indirect lessee(s) offering all or part of the leased rights for collateral.

SECURED PARTIES: Individual or institution that holds a security interest.

LIEN HOLDER(S): A person(s) or corporation holding a lien under the Builder's Lien Act.

LAND DESCRIPTION: (occurs for builder's liens only.) Secured lands/zones pertaining to the agreement.

15 GROUP DATA Licence Only

GROUP NUMBER: Group id number.

GROUP TYPE: Identifies the type of group the agreement is on.

CREATION DATE: Creation date of the group.

STATUS: Status of the group.

LAST UPDATE DATE: Last date any data field was updated on the Group data.

EFFECTIVE DATE: Date that the Group Data detail became effective. Format YYYY/MM/DD

LAST UPDATE TIME: Last time any data field was updated on the Group data.

EARNED SECTIONS: The number of sections earned by the grouping well.

BALANCE UNVALIDATED SECTIONS: : Total number of sections earned or validated by the grouping well minus the validated sections for licences.

WELL ID: A unique well identifier which provides the approximate geographical location of the bottom of a drill hole.

WELL STATUS: Numeric status code of the well.

AGREEMENT TYPE / NUMBER: See report heading.

CALC AGREMNT SECTIONS: System calculation of the number of sections held by a licence to the nearest quarter section e.g. 3.75

STATUS: Describes the current standing of the agreement, e.g., active, cancelled (see table ENSTATS).

LICENCE VINTAGE: Indicates the term the licence is in: initial, intermediate or continued.

CURRENT EXPIRY: Date term expires or the date to which the agreement continues.

VALIDATED SECTIONS: Number of sections validated or earned by the grouping well for the licence.

16 GENERAL REMARKS

REMARK TYPE: Description of type of remark.

REMARK: Textual information on oil sands areas, mineral titles redemption, ultimate heir and ammonite shell exemption.

17 ADDENDUM DETAIL *

*An attachment to a mineral agreement that describes a surface access restriction or environmental/geologic concern for a parcel of land contained within the agreement.

ADDENDUM NUMBER: Key ID identifying the specific restriction detail, comprised of the classification type and number and a two digit numeric for each specific detail within the classification e.g. BSA 0001 01 Pakowki Lake Bird Sanctuary Detail 01 (see table RESTTYP5).

NAME: Identifies the restriction by name e.g. Pakowki Lake Bird Sanctuary.

ACCESS LEVEL: Describes the level of the restriction detail. e.g. surface access is not permitted. (see table RESTACCS)

SECURITY LEVEL: Describes the security level of the restriction detail e.g. public. (see table RESTSECR)

ACTIVITY TYPE: The type of activity that is restricted. e.g. PNG Drilling.

EFFECTIVE DATE: Date that the restriction detail became effective. Format YYYY/MM/DD

EXPIRY DATE: Date that the restriction detail expires. Format YYYY/MM/DD

18 CONTACT CLIENT

CONTACT ID / NAME: Is a four character code e.g. W001 which provides the contact name and their telephone number. This person is responsible for the addendum and a source of information on the exact nature of the addendum.

CLIENT ID: Is the client identifier stored in the LSAS client registry. It contains the company or governmental department name and address.

19 LAND / ZONE DESCRIPTION

LAND DESCRIPTION: Describes the restricted land by ATS land key(s) as well as the addendum land / zone description which intersects the agreement land.

20 ADDENDUM TEXT

TEXT ID: A five digit code e.g. ENR01 where the first three characters describe the Department of Energy or agency responsible for the restriction (see table RESTAGCY) followed by a two digit consecutive number.

TEXT: Written description of the specific restriction.

21 DISCLAIMER

MINERAL AGREEMENT SEARCH BY CLIENT ID

This report will provide all Mineral Agreement Information for the requested client id(s). The report information is the same as the Mineral Agreement Search

- 1) Request Requirements
 - A) Client Id(s). Maximum of 6 client Ids per request.
 - B) Summary or Detail Report.

A summary report will provide a listing of any agreement(s) found where the client is a participant, i.e., owner, designated representative or both.
A detail report will provide the same listing plus a Mineral Agreement Search for each agreement listed.
 - C) If only specific agreement types are required, the types must be specified; this will not apply to postings, (see table AGRTYPE).
- 2) Report Sort.

Each client Id will be reported separate.
- 3) Fee.

\$30.00 per request

----- ADHOC REPORT SUBMISSION OPTION PARAMETERS -----

REQUESTED BY USER: LSASI31 NOTIFY: SEARCH JOB CREATION TIME: 13:54:26

PRINTER: TERXXX
PRIORITY: HIGH (IMMEDIATE)
COPIES: 01
BURST: N
REPORT TYPE: S

----- PARAMETER SELECTION -----

CLIENT NAME I.XL INDUSTRIES LTD

----- SORT BREAK CRITERIA -----

ELEMENT NAME	SORT LEVEL
CLIENTS/CLIENT ADDRESSES	1
SORT LEVEL FROM WHICH TALLING BEGINS:	1
SORT LEVEL FROM WHICH BREAKS OCCUR:	1

*** END OF PARAMETER LIST ***

SUMMARY SHOWN

To see the detail information, Please see the Mineral Agreement Search

DRD-LSAS LAND STATUS AUTOMATED SYSTEM
 MINERAL AGREEMENT SEARCH BY CLIENT ID
 REPORT DATE: 2005-01-01 TIME: 13:56:05

PAGE = 1
 LFAS4300

AGREEMENT TYPE/NUMBER	STATUS	TERM DATE	CANCELLATION REASON	CANCEL/ --- EXPIRY	AGREEMENT AREA (HA) --- ORIGINAL CURRENT	CLIENT ID	CLIENT PARTCPTN	CLIENT HECTARES
001 7467	5 ACTIVE	1966-02-05		INDEFINITE	252.4680 252.4680	0000601 001	100.0000000	252.4680
001 18043	5 ACTIVE	1969-07-12		INDEFINITE	256.0000 256.0000	0000601 001	100.0000000	256.0000
001 22270	5 ACTIVE	1970-07-24		INDEFINITE	256.0000 256.0000	0000601 001	30.0000000	76.8000
001 22271	5 ACTIVE	1970-07-24		INDEFINITE	256.0000 256.0000	0000601 001	30.0000000	76.8000
004 0490030478	7 CANCELLED	1990-03-10	01 EXPIRY	1995-03-10	960.0000 960.0000	0000601 001	30.0000000	288.0000

4 <-- AGREEMENT COUNT 49,057.6800 48,993.6800 15,104.3064

ABOVE TOTALS FOR THE SORT SEQUENCE:

CLIENT ID # 0000218 001 CLIENT NAME : IXL INDUSTRIES LTD

4 <-- AGREEMENT COUNT 49,057.6800 48,993.6800 15,104.3064

1 <-- CLIENT COUNT

*** END OF REPORT ***

NOTE:

Client hectares equal the current area multiplied by client participation.
 If the client participation is blank, client is designated representative only
 and does not hold any specified interest in the agreement.

Data Fields Within the Mineral Resources Mineral Agreement Search by Client ID

REPORT HEADING

MINERAL AGREEMENT SUMMARY

REPORT DATE AND TIME

- Date and time Mineral Agreement Search was generated by the Land Status Automated System (LSAS).

AGREEMENT TYPE / NUMBER

- The first three characters identifies the agreement type, e.g., applications, postings or agreements (see table AGRTYPE).
- The remaining characters are a unique agreement number assigned by the The Department of Energy.
- For a 10 - Digit Agreement Number
 - 1st and 2nd Digits Equivalent to last two digits of the agreement type.
 - 3rd and 4th Digits Year in which term commences (last two digits only).
 - 5th and 6th Digits Month in which term commences.
 - 7th Digit 0 (zero) to indicate original agreement; A, B, C, etc., to indicate a divided or partially transferred agreement prior to 1994.
 - 8th, 9th, and 10th Digits Sequence of agreements issued in month.

STATUS: Describes status of client, e.g., Active, Liable for Strike Off, Struck Off, In Receivership, In Liquidation.

TERM DATE: Commencement date of the agreement.

CANCELLATION REASON: Describes the reason for cancellation of an agreement.

CANCEL / EXPIRY DATE: Date agreement expires or cancellation date.

AGREEMENT AREA (HA) ORIGINAL: Agreement area in hectares at the time the agreement was originally issued.

AGREEMENT AREA (HA) CURRENT : Agreement area in hectares at the time issued.

CLIENT ID: Is the client identifier assigned to a unique company, individual name and their address which is stored in LSAS client registry.

CLIENT PARTICIPATION: Specified undivided interest in the agreement in percentages or fractions.

CLIENT HECTARES: Current client area in hectares.

TABLE NAME: AGRTYPE DESCRIPTION: AGREEMENT TYPES

CODE VALUE	DECODE VALUE
AAZ	OIL OFFSET
AAZ	OIL OFFSET
A04	APPL-5 YEAR PLAINS PETROLEUM AND NATURAL GAS LEASE
A05	APPL-5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE
A06	APPL-5 YEAR FOOTHILLS PETROLEUM AND NATURAL GAS LEASE
A10	APPL-NATURAL GAS AND PETROLEUM LEASE
A13	APPL-COAL LEASE
A14	APPL-COAL ROAD ALLOWANCE LEASE
A19	APPL-QUARRYING LEASE/QUARRIABLE MINERAL LEASE
A25	APPL-SALT LEASE
A27	APPL-SODIUM SULPHATE LEASE
A28	APPL-QUARTZ MINERAL LEASE/METALLIC MINERAL LEASE
A36	APPL-NATURAL GAS STORAGE AGREEMENT
A37	APPL-SPECIAL MINERAL LEASE
A42	APPL-OTHER AGREEMENT
A66	APPL-OIL SANDS PROSPECTING PERMIT
A67	APPL-GOLD RECOVERY PERMIT
A68	APPL-QUARTZ/METALLIC MINERALS EXPLORATION PERMIT
A69	APPL-PHOSPHATE EXPLORATION AGREEMENT
A70	APPL-OIL SANDS PERMIT
A71	APPL-OIL SANDS LEASE
A72	APPL-OIL SANDS LEASE
A73	APPL-OIL SANDS LEASE
A74	APPL-OIL SANDS LEASE
A90	APPL-PLACER MINERAL LEASE
A91	APPL-AMMONITE SHELL AGREEMENT
A93	APPL-METALLIC AND INDUSTRIAL MINERALS PERMIT
A94	APPL-METALLIC AND INDUSTRIAL MINERALS LEASE
A95	APPL-CERTIFICATE OF RECORD-QUARTZ MINERALS
A96	APPL-METALLIC AND INDUSTRIAL MINERALS SECONDARY LEASE
P04	POST-5 YEAR PLAINS PETROLEUM AND NATURAL GAS LEASE
P05	POST-5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE
P06	POST-5 YEAR FOOTHILLS PETROLEUM AND NATURAL GAS LEASE
P13	POST-COAL LEASE
P53	POST-2 YEAR PLAINS PETROLEUM AND NATURAL GAS LICENCE
P54	POST-4 YEAR NORTHERN PETROLEUM AND NATURAL GAS LICENCE
P55	POST-5 YEAR FOOTHILLS PETROLEUM AND NATURAL GAS LICENCE
P70	POST-OIL SANDS PERMIT
P74	POST-OIL SANDS LEASE
P93	POST-METALLIC AND INDUSTRIAL MINERALS PERMIT
WAG	WELL ACID GAS
WDI	WELL DISPOSAL/INJECTION
WOB	WELL OBSERVATION
WOH	WELL OVER HOLE
WRD	WELL ROAD ALLOWANCE
WRE	WELL RE-ENTRY
WWS	WELL WATER SOURCE

CODE VALUE	DECODE VALUE
001	PETROLEUM AND NATURAL GAS LEASE
002	NATURAL GAS LEASE
003	PETROLEUM LEASE
004	5 YEAR PLAINS PETROLEUM AND NATURAL GAS LEASE
005	5 YEAR NORTHERN PETROLEUM AND NATURAL GAS LEASE
006	5 YEAR FOOTHILLS PETROLEUM AND NATURAL GAS LEASE
008	BITUMINOUS SANDS LEASE
009	OIL SANDS LEASE
010	NATURAL GAS AND PETROLEUM LEASE
013	COAL LEASE
014	COAL ROAD ALLOWANCE LEASE
019	QUARRYING/QUARRIABLE MINERAL LEASE
025	SALT LEASE
026	IRON LEASE
027	SODIUM SULPHATE LEASE
028	QUARTZ MINERAL LEASE/METALLIC MINERAL LEASE
036	NATURAL GAS STORAGE AGREEMENT
037	SPECIAL MINERAL LEASE
042	OTHER AGREEMENT
045	PETROLEUM AND NATURAL GAS RESERVATION
046	CROWN RESERVE DRILLING RESERVATION
047	COAL EXPLORATION RESERVATION
053	2 YEAR PLAINS PETROLEUM AND NATURAL GAS LICENCE
054	4 YEAR NORTHERN PETROLEUM AND NATURAL GAS LICENCE
055	5 YEAR FOOTHILLS PETROLEUM AND NATURAL GAS LICENCE
056	NATURAL GAS LICENCE
057	CROWN RESERVE NATURAL GAS LICENCE
064	PETROLEUM AND NATURAL GAS PERMIT
065	BITUMINOUS SANDS PROSPECTING PERMIT
066	OIL SANDS PROSPECTING PERMIT
067	GOLD RECOVERY PERMIT
068	QUARTZ/METALLIC MINERALS EXPLORATION PERMIT
069	PHOSPHATE EXPLORATION AGREEMENT
070	OIL SANDS PERMIT
071	OIL SANDS LEASE
072	OIL SANDS LEASE
073	OIL SANDS LEASE
074	OIL SANDS LEASE
075	OIL SANDS LEASE
080	PLACER MINING PERMIT
081	AMMONITE SHELL COLLECTORS PERMIT
090	PLACER MINERAL LEASE
091	AMMONITE SHELL AGREEMENT
092	METALLIC AND INDUSTRIAL MINERALS LICENCE
093	METALLIC AND INDUSTRIAL MINERALS PERMIT
094	METALLIC AND INDUSTRIAL MINERALS LEASE
095	CERTIFICATE OF RECORD - QUARTZ MINERALS
096	METALLIC AND INDUSTRIAL MINERALS SECONDARY LEASE

TABLE NAME: UNITTYPE DESCRIPTION: UNIT TYPES

CODE VALUE	DECODE VALUE
A85	APPL-PETROLEUM AND NATURAL GAS UNIT
A86	APPL-PETROLEUM UNIT
A87	APPL-NATURAL GAS UNIT
A88	APPL-PRODUCTION ALLOCATION UNIT
A89	APPL-NATURAL GAS STORAGE UNIT
085	PETROLEUM AND NATURAL GAS UNIT
086	PETROLEUM UNIT
087	NATURAL GAS UNIT
088	PRODUCTION ALLOCATION UNIT
089	NATURAL GAS STORAGE UNIT

TABLE NAME: RESTAGCY DESCRIPTION: ADDENDUM TEXT

ADDENDUM TYPE	DESCRIPTION
CLM	COAL MINING COMPANIES
CLT	COMMUNITY DEVELOPMENT
ENR	ENERGY
ENV	ENVIRONMENTAL PROTECTION
FDR	FEDERAL GOVERNMENT
FHD	OFFSET
FRS	LAND & FOREST SERVICES
HMA	HER MAJESTY/ALBERTA
HMC	HER MAJESTY/CANADA
IFS	INFRASTRUCTURE
ILC	INDIAN LAND CLAIMS
LND	PUBLIC LANDS
MET	METIS
MIS	MISCELLANEOUS
MTR	MINERAL TITLES REDEMPTION ACT
MUN	MUNICIPAL AFFAIRS
OSG	OIL SANDS AGREEMENT AREA
PRK	ALBERTA PARKS SERVICE
UHA	ULTIMATE HEIR ACT
WLF	FISH AND WILDLIFE SERVICES

TABLE NAME: RESTACCS DESCRIPTION: ACCESS/RIGHTS

ACCESS/RIGHTS TYPE	DESCRIPTION
A	WITHDRAWN FROM DISPOSITION
0	ACCESS RESTRICTIONS DO NOT APPLY
1	SURFACE ACCESS IS NOT PERMITTED
2	SURFACE ACCESS HAS YET TO BE DETERMINED
3	SURFACE ACCESS IS SUBJECT TO SPECIFIC RESTRICTIONS
4	RESERVED FROM DISPOSITION
5	SUBSTANCE/ZONE CONCERN
6	AVAILABILITY CONCERN
7	SURFACE ACCESS NOT AFFECTED

TABLE NAME: RESTACTV DESCRIPTION: RESTRICTION ACTIVITY

TYPE	DESCRIPTION
A	ALL ACTIVITIES
C	ALL MINING
D	REGULAR DRILLING (NON PNG)
I	INTENSIVE DRILLING (IN SITU, HIGH DENSITY)
P	PNG DRILLING
S	SURFACE MINING
U	UNDERGROUND MINING

TABLE NAME: RESTSECR DESCRIPTION: SECURITY LEVEL

SECURITY TYPE	DESCRIPTION
A	ADMINISTRATIVE BRANCH
G	GOVERNMENT AGENCY
P	PUBLIC INFORMATION

TABLE NAME: RESTTYP5 DESCRIPTION: RESTRICTION TYPES

CODE VALUE	DECODE VALUE
ACC	ABORIGINAL COMMUNITIES ON CROWN LAND
ADM	ADMINISTRATIVE RESERVATION
AIR	AIRPORT
AMA	ACCESS MONITORING AREA
AOS	AOSTRA LANDS
ARC	ARCHAEOLOGICAL SITE
ASQ	AIR/SOIL QUALITY STUDY SITE
BSA	BIRD SANCTUARY
BWP	BUCK FOR WILDLIFE PROJECT
CDP	COAL DEVELOPMENT POLICY
CER	CANDIDATE ECOLOGICAL RESERVE
CFB	CANADIAN FORCES BASE
CHR	CANADIAN HERITAGE RIVER
CMF	COMMUNITY FOREST
CML	COAL MINE LICENCE AREA
CMP	CAMPGROUND
CRG	CARIBOU RANGE
DMR	DAM AND RESERVOIR
DND	DEPT. OF NATIONAL DEFENSE SITE
ECR	ECOLOGICAL RESERVE
ERA	EXPLORATION RESTRICTED AREA
ESA	ENVIRONMENTALLY SENSITIVE AREA
ES1	EASTERN SLOPES POLICY LAND USE ZONE 1
ES2	EASTERN SLOPES POLICY LAND USE ZONE 2
ES3	EASTERN SLOPES POLICY LAND USE ZONE 3
ES4	EASTERN SLOPES POLICY LAND USE ZONE 4
ES8	EASTERN SLOPES POLICY LAND USE ZONE 8
FLD	FLOOD CONTROL PROJECT
FRA	FOREST RECREATION AREA
FRP	FOREST RESEARCH PLOT
GEC	GEOLOGY CONCERN
GSO	GEOMAGNETIC SURVEY OBSERVATORY
GZR	GRAZING RESERVE
HIS	HISTORIC SITE

CODE VALUE	DECODE VALUE
HRM	HISTORICAL RESOURCES MANAGEMENT AREA
IFS	INFRASTRUCTURE
ILC	INDIAN LAND CLAIM
IRA	INTEGRATED RESOURCE PLAN LAND USE ZONE 3A
IRD	INTEGRATED RESOURCE PLAN RESERVED AREA
IRF	INTEGRATED RESOURCE PLAN LAND USE ZONE 5
IRS	INTEGRATED RESOURCE PLAN SPECIAL LAND USE
IR1	INTEGRATED RESOURCE PLAN LAND USE ZONE 1
IR2	INTEGRATED RESOURCE PLAN LAND USE ZONE 2
IR3	INTEGRATED RESOURCE PLAN LAND USE ZONE 3
IR4	INTEGRATED RESOURCE PLAN LAND USE ZONE 4
IR5	INTEGRATED RESOURCE PLAN LAND USE ZONE 5A
IR8	INTEGRATED RESOURCE PLAN LAND USE ZONE 8
LNT	LAND TRANSFER AREA
MAA	MINERAL ACCRETION APPLICATION
MTR	MINERAL TITLES REDEMPTION ACT
MTS	METIS SETTLEMENT
NAT	NATURAL AREA
NGS	NATURAL GAS STORAGE
OSG	OIL SANDS AGREEMENT AREA
PCM	PROPOSED CAMPGROUND
PDM	PERMIT TO DEVELOP A COAL MINE
PDR	PROPOSED DAM & RESERVOIR
PFC	PROPOSED FLOOD CONTROL PROJECT
PFR	PROPOSED FOREST RECREATION AREA
PNA	PROPOSED NATURAL AREA
POW	POWER DEVELOPMENT
PPP	PROPOSED PROVINCIAL PARK
PPR	PROPOSED PROVINCIAL RECREATION AREA
PRA	PROVINCIAL RECREATION AREA
PRP	PROVINCIAL PARK
PRS	PROPOSED RESERVOIR
RCL	RECLAMATION PROJECT
RDA	RESTRICTED DEVELOPMENT AREA
RES	RESERVOIR
RFR	RIGHT OF FIRST REFUSAL
RPW	RECREATION, PARKS, AND WILDLIFE FOUNDATION LANDS
RSA	RECREATION STAGING AREA
RUS	RESIDENTIAL/URBAN SUBDIVISION
RZR	RESERVATION OF ZONE RIGHTS
SHA	SENSITIVE HABITAT AREA
SIP	SPECIAL INTEGRATED PLAN
SMA	SURFACE MINEABLE AREA FOR OILSANDS
SMP	SURFACE MATERIALS POTENTIAL
SPA	SPECIAL PLACES 2000 AREA
SPN	SPECIAL PLACES 2000 NOMINATED SITE
SPS	SPECIAL PLACES 2000 SITE
TEN	TENURE SALES NOTATION
TPG	TOPOGRAPHIC/GROUND CONDITIONS
TSH	TRUMPETER SWAN HABITAT
UNT	UNIT CONCERN
WDA	WILDERNESS AREA
WHS	WORLD HERITAGE SITE
WLS	WILDLIFE SANCTUARY
WLT	WETLANDS FOR TOMORROW PROJECT
WPP	WILDLAND PROVINCIAL PARK
WRA	WATERSHED RESEARCH AREA

TABLE NAME: ENSTATS DESCRIPTION: ENTITY STATUS

<u>STATUS TYPE</u>	<u>DESCRIPTION</u>
A	Application
I	Inactive
R	EUB reference
U	Unit draft
1	Well added by LSAS
2	EUB Interim delete
3	Encumbrance interim complete discharge
4	Encumbrance confirmed complete discharge
5	Active
6	Expired/Terminated
7	Cancelled
8	Interim delete
9	Deleted

Abbreviations & Acronym's

AEUB	Alberta Energy and Utilities Board (also EUB)
CORES	Corporate Registry
DOE	Department of Energy
DRRZD	Deeper Rights Reversion Zone Designation
ETS	Electronic Transfer System
EUB	Energy and Utilities Board (also AEUB)
GEO	Geophysical
GLC	General Land Classification
LE LS SC TWP RG M E	legal event-legal-section-township-range-meridian-event sequence
LSAS	Land Status Automated System
LSD	legal subdivision (also LS)
LTO	Land Titles Office
M	Meridian
PBL	Plan Block Lot
PNG/P&NG	Petroleum and Natural Gas
PRA	Petroleum Registry of Alberta
R	Range
SEC	Section
SU	Spacing Unit
TWP	Township
ZD	Zone Designation

LSAS LAND FORMATS

MERIDIAN-RANGE-TOWNSHIP:SECTION (S)

5 - 1 - 67

TOWNSHIP

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

5 - 1 - 67

OR

5 - 1 - 67 : 1 - 36

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

5 - 1 - 67 : 1 - 4; 15; 20

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

5 - 1 - 67 : 1

LSAS LAND FORMATS

TOWNSHIP

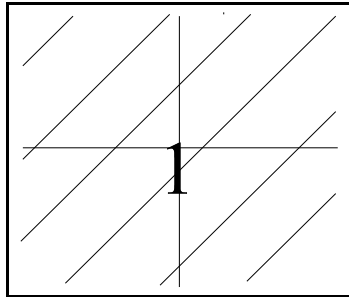
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MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

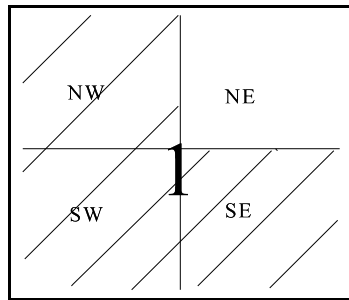
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SECTION

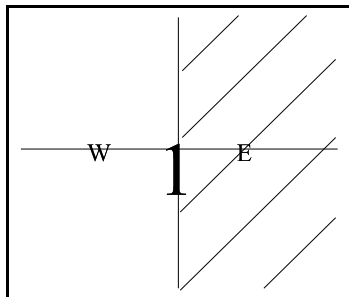
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30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1



**5 - 1 - 67
(256 HECTARES)**



**5 - 1 - 67 : 1S,NW
(192 HECTARES)**



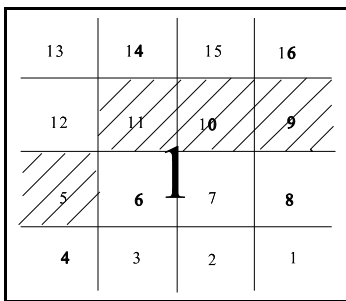
**5 - 1 - 67 : 1E
(128 HECTARES)**

LSAS LAND FORMATS

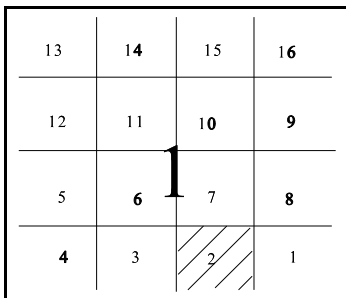
MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

5 - 1 - 67 : 1

5 - 1 - 67 : 1
SECTION



5 - 1 - 67 : 1L5, L9-11
(64 HECTARES)
4 LEGAL SUBDIVISIONS



5 - 1 - 67 : 1L2
(16 HECTARES)

LSAS LAND FORMATS

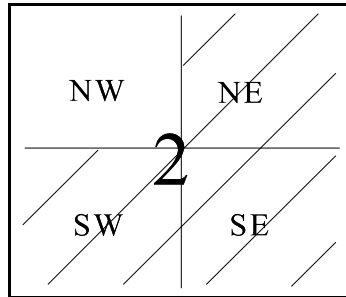
MERIDIAN-RANGE-TOWNSHIP : SECTION LEGAL

5 - 1 - 67 : 1 L2

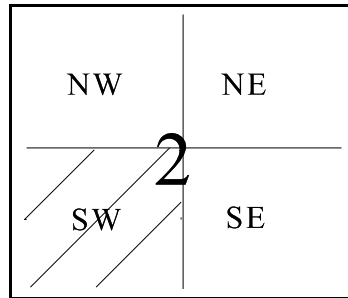
SECTION

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

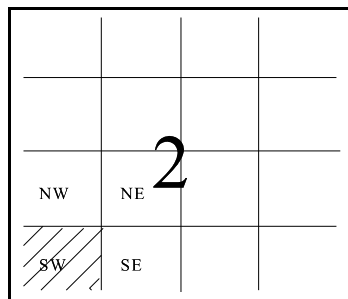
LEGAL SUBDIVISION



5 - 1 - 67 : 1L2S,L2NE
(12 HECTARES)



5 - 1 - 67 : 1L2SW
(4 HECTARES)
QUADRANT



5 - 1 - 67 : 1LSWSW
(1 HECTARE)
QUARTER QUADRANT

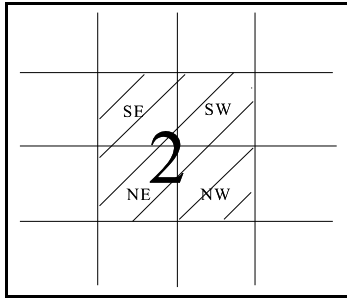
LSAS LAND FORMATS

MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

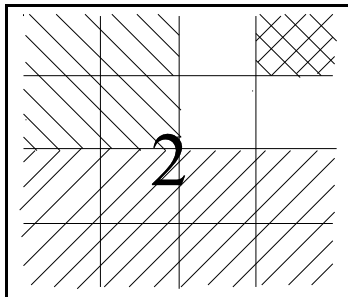
5 - 1 - 67 : 1 L2

5 - 1 - 67 : 1L2

SECTION



5 - 1 - 67 : 1L2SE, L2SW, L2NE, L2NW



5 - 1 - 67 : 1L2S, L2NW, L2NENE