

# **WELL SPACING UNITS SEARCH**

## **Detailed Descriptions**

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# 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, minerals 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.

This publication provides samples of 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**

These searches are available upon request from:

ALBERTA DEPARTMENT OF ENERGY /Crown Land Data Support

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

Or from the

Electronic Transfer System (ETS) at [WWW.energy.gov.ab.ca](http://WWW.energy.gov.ab.ca)

## WELL SPACING UNIT SEARCH

Well spacing unit (SU order) is a specific area allocated by the EUB for the purpose of drilling for and producing oil or gas. Which is not a standard spacing unit. The standard spacing units are one section for gas and a quarter-section for oil.

1) A report will be provided when a Well Spacing Unit Appendix Id is supplied.

2) Report sort

By Well Spacing Unit

3) Fee

\$6.00 per Well Spacing Unit

A maximum of 10 Well Spacing Units can be entered per request.

LAND STATUS AUTOMATED SYSTEM

REQ: R0466746 ACCT: EN0166 PARAMETERS FOR 851D WELL SPACING UNIT SEARCH  
REPORT DATE: 2005-01-01 TIME: 14:29:45

LSRCCBAN  
PAGE = 1

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

JOB CREATION TIME: 14:29:28  
REPORT TYPE: S

----- WELL SPACING/APPENDIX KEYS -----

SU 2369 A1 01

\*\*\* END OF PARAMETER LIST \*\*\*

REQ: R0466746 ACCT: EN0166  
REPORT DATE: 2005-01-01 TIME: 14:29:50

LAND STATUS AUTOMATED SYSTEM  
WELL SPACING UNIT SEARCH

LFAS851S  
PAGE = 1

WELL SPACING ---- WELL SPACING DETAIL ----- WELL SPACING APPENDIX -----  
APPENDIX ID NAME EFFECTIVE DATE TYPE SPACING SUB POOL/FORMATION NAME

SU2369 A1 01 KILLAM 1995-11-07 SPACING UNIT 2 LEGALS - E/W O PET VIKING FM

TOTAL NUMBER OF WELL SPACING DETAILS SELECTED: 1

TOTAL NUMBER OF WELL SPACING APPENDIX(S) SELECTED: 1





WELL SPACING APPENDIX ID: SU2369 A1 01 KILLAM

10-----LAND / ZONE DESCRIPTION-----

LAND DESCRIPTION:  
4-13-041: 19-22;27-34  
4-13-042: 3-6

PETROLEUM IN THE VIKING FM

11\*\*\*\*\*  
\*\*\*\*

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 WELL SPACING APPENDIX \*\*\*

\*\*\* END OF REPORT \*\*\*

# **Data Fields Within the Well Spacing Unit Search**

## **1 REPORT HEADING**

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

WELL SPACING UNIT APPENDIX ID: Key id assigned by the Energy and Utilities Board for the area allocated to a special spacing. It is comprised of the SU order number, appendix id and reference id e.g. SU 2987 A1 01.

## **2 WELL SPACING DETAIL**

STATUS: Code used to indicate the current stage in the life of the well spacing unit.

CREATION DATE: Date the well spacing unit was created in LSAS.

EFFECTIVE DATE: Date the well spacing unit became effective.

LAST UPDATE DATE: Last date any data field was updated on the well spacing unit.

NAME Name of the well spacing unit.

RESOLUTION REQUIRED: Indicates if the Well Spacing Appendix has information that is incorrect and requires analysis by the Energy and Utilities Board. (EUB)

## **3 FIELD(S) / AREA(S)**

FIELD / AREA CODE: A geographical area in which a number of oil or gas wells produce from a continuous reservoir.

NAME: Name of the field.

## **4 AMENDED / PREVIOUS SU ORDER NUMBER(S)**

SU ORDER NUMBER: Number of the amendment or previous SU order. e.g. SU 2369J & SU 2000.

TYPE: Describes whether the well spacing unit number is an amendment or historical.

AMENDED / RESCINDED DATE: Date of the amendment or rescinded date.

TEXT: Text regarding the spacing unit appendix explaining what was amended.

## **5 WELL EXEMPTIONS**

LE LS SC TWP RG M E: Unique well identifier which provides the approximate geographical location of the well.

STATUS: Status of the well.

DESCRIPTION: Describes the status of the well.

EXEMPTION: Describes the type of exemption for the well.

## **6 WELL SPACING APPENDIX DETAIL**

STATUS: Status of the well spacing unit appendix e.g. active.

CREATION DATE: Date the well spacing appendix was created within LSAS.

APPENDIX TYPE: Describes the type of well spacing appendix e.g. holding, spacing unit or unit.

LAST UPDATE DATE: Date the well spacing appendix was last updated.

RESOLUTION REQUIRED: Indicates if the Well Spacing Appendix has information that is incorrect and requires analysis by the Energy and Utilities Board. (EUB)

EFFECTIVE DATE: Date that the well spacing appendix detail became effective.

REFERENCE WELL: Well that caused the spacing.

AMENDMENT DATE: Date that a change/amendment effected the Well spacing appendix.

SPACING: Indicates what land area is subject to the special spacing and the orientation e.g. ½ section E/W orientation.

TARGET AREA: Drilling must be completed within a set target area e.g. NE quadrant LSD.

BUFFER: Indicates how many metres a well must be drilled from the survey lines of the land description.

WELL DENSITY: Indicates how many wells can be drilled per pool and their orientation.

INTERWELL DISTANCE: Indicates the minimal distance between two wells within the spacing.

## **7 SPECIAL PROVISIONS**

Unique terms, conditions or exceptions described as part of a well spacing unit appendix.

## **8 RESOLUTION TEXT**

Description of the resolution required.

## **9 WELL SPACING APPENDIX – CLIENT**

**UNIT ID:** The first three characters identifies the unit type. The remaining characters are a unique unit number assigned by the Department of Energy.

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

## **10 LAND / ZONE DESCRIPTION**

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

**SUBSTANCE / ZONES:** Describes substance(s) and zone(s), which are unitized.  
e.g. petroleum and natural gas in Mannville.

## **11 DISCLAIMER**

**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	<del>20</del>	21	22	23	24
18	17	16	<del>15</del>	14	13
7	8	9	10	11	12
6	5	<del>4</del>	<del>3</del>	<del>2</del>	<del>1</del>

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	<del>1</del>

5 - 1 - 67 : 1

# LSAS LAND FORMATS

TOWNSHIP

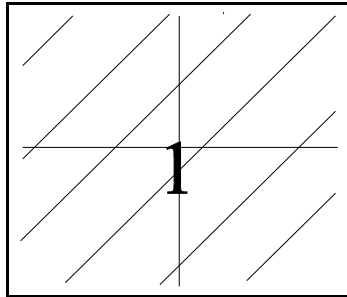
MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

5 - 1 - 67 : 1

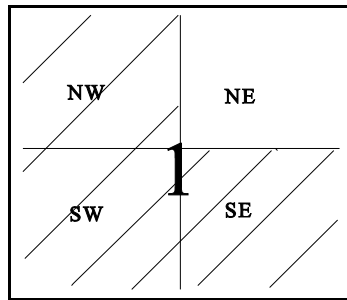
31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

5 - 1 - 67 : 1

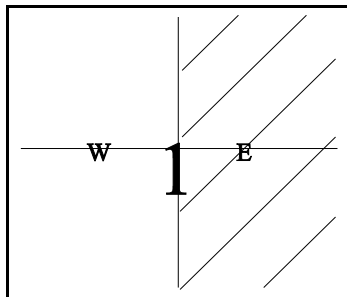
SECTION



5 - 1 - 67  
(256 HECTARES)



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



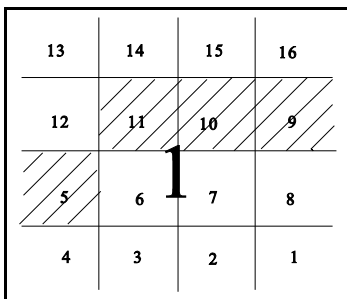
5 - 1 - 67 : 1E  
(128 HECTARES)

# LSAS LAND FORMATS

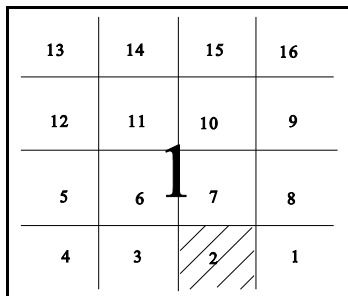
MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

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

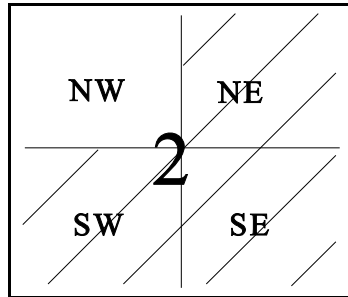
MERIDIAN-RANGE-TOWNSHIP : SECTION LEGAL

5 - 1 - 67 : 1 L2

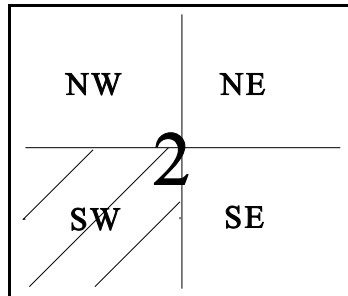
SECTION

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

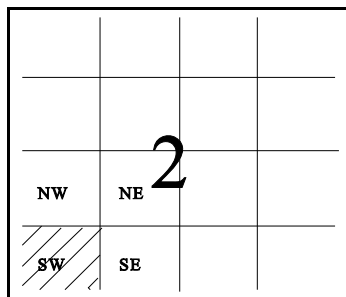
LEGAL SUBDIVISION



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



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



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

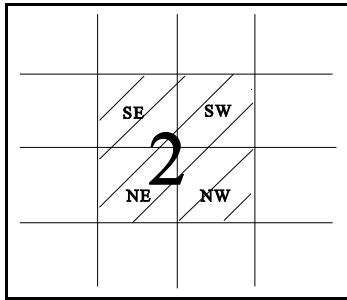
# LSAS LAND FORMATS

MERIDIAN-RANGE-TOWNSHIP:SECTION LEGAL

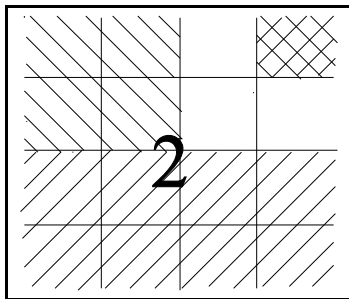
5 - 1 - 67 : 1 L2

5 - 1 - 67 : 1L2

SECTION



5 - 1 - 67 : 1L2SE, L2SWNE  
L2NWSE, L2NESW



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