

Mineral Well Spacing File
PHYSICAL ATTRIBUTES OF MINERAL WELL SPACING FILE

The Mineral Well Spacing File contains all Mineral well spacing and well spacing appendix information contained on the Land Status Automated System (LSAS). LSAS is maintained by the Department of Energy to record all interests in Crown Mineral Agreements.

This data 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 data and any person making use of or relying in any way on this data hereby releases Her Majesty The Queen In Right of Alberta from any liability for such loss or damage.

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The data is organized into record types of variable length within the file. Record types distinguish various occurrences of data elements for one entity and line numbers distinguish multiple occurrences of a particular element within one entity. The following is the file organization:

FILE NAME:	LFAS.WSPDATA	(COMPLETE)
	OR	
	LFAS.WSPDATMX	(UPDATE)
MINERAL RESOURCES	LFAS.PROD.COMP.WSPTAPE	(COMPLETE)
DATASET NAME:	OR	
	LFAS.PROD.CHNG.DAILY.WSPTAPE	(UPDATE)

*RECORD LENGTH: Variable - *398 maximum bytes, 30 minimum bytes

GENERAL RECORD LAYOUT:

01 - 02 ENTITY TYPE CODE (ALPHANUMERIC)
 AA - Run Control Record
 AB - Disclaimer
 AP - Well Spacing Appendix Key
 CL - Client / Address Numbers
 DW - Deleted Well Spacing
 DX - Deleted Well Spacing Appendix Key
 SU - Well Spacing
 TA - Table Name

03 - 16 ENTITY KEY (ALPHANUMERIC)
 03 - 16 Well Spacing Appendix Key
 03 - 12 Client / Address Numbers
 03 - 15 Group Entity Key
 03 - 08 Well Spacing Key
 03 - 10 Table Name

17 - 18 RECORD CODE (NUMERIC)

19 FILLER

20 - 24 LINE NUMBER (NUMERIC)

25 - 29 RELATION NUMBER (NUMERIC)

30 - *398 DATA (ALPHANUMERIC)

SORT SEQUENCE: Major Sort Key 01 to 24

RELATION NUMBER

Unique number assigned to related items within a certain record code.

e.g. ag004049401000113010000100001L land description 1
ag004049401000113010000200001M metes & bounds 1 line 1
ag004049401000113010000300001M metes & bounds 1 line 2
ag004049401000113010000400002L land description 2
ag004049401000113010000500002M metes & bounds 2 line 1
ag004049401000113010000600002M metes & bounds 2 line 2
uuvvvvvvvvvvvvvvvvwwxyyyzzzzz

where uu ----- > entity type code
vvvvvvvvvvvvvv ----- > entity key
ww ----- > record code
xx ----- > tract id
yyyyy ----- > line number
zzzz -- > relation number

OCCURS COUNT

The occurs count indicates for each applicable record, the number of AREPEATS for each group of data to the maximum indicated. If more occurrences exist than are allowed on one output record, multiple record types for that record will be created.

- The occurs - count always precedes the occurrence data group.
- Process up to the number of occurrences only.

RECORD CODES AND DESCRIPTIONS**NOTE: * Denotes change from previous layout.**

<u>Record Code</u>	<u>Name</u>	<u>Description</u>
00	Run Control Record	File creation date, updates from but not including this date (complete file will be zero filled), number of well spacing units, number of well spacing appendices, number of clients, number of deleted well spacing units, number of deleted well spacing appendices, number of tables and number of records.
01	Update flag, update date, status code	Update flag for update file, blank for a complete file, date entity was last updated or deleted, status code.
02	Client Identifier (Id)	Well Spacing Appendix Related client.
03	Transaction Codes	Transaction codes applied against entity for the period of the file (only exists in update file).
11	Land Information Updated	One or more land keys/information updated on record type 13 (only exists in update file) Y/N (Yes/No)
13	Land description, metes & bounds	Complete land description, land specific metes and bounds
14	Formation and Pool Data	Identifies formations, qualifiers, substances and pools
16	Well Identifier, Well Status, Well Substance Code Well Zone Code and Well Exemption Type Code	Unique Well Identifier (Id), Well Status (spacing unit exemption wells have Entity Type Code of 'SU', appendix exemption wells have Entity Type Code of 'AP'), Well Substance Code, Well Zone Code and Well Exemption Type code.
33	Unit Information	Unit type and number, Unit name.
35	Text Type Code, General Remarks	Remark code, remark description.
36	Special Provisions	Well Spacing Appendix Special Provisions
37	Resolution Text	Well Spacing /Well Spacing Appendix Resolution Text
49	Client Processed & Effective Date	Name, Merger, Amalgamation and Address
*50	Client Id, Name, Address and Status	Client name, address and status

<u>Record Code</u>	<u>Name</u>	<u>Description</u>
60	Table Description	Description of table purpose.
61	Code Value, Decode Value	Table codes and decoded values.
80	Well Spacing Unit Data	Creation Date, Effective Date, Name, Split ID Resolution Required Flag
81	Well Spacing History Data	Amended/Previous Well Spacing Unit ID, History Type Code, Amendment Date, Comment Flag
82	Well Spacing Related Field Data	Field ID, Status Code, Type Code, Field Name
83	Well Spacing History Text	Well Spacing History Text
85	Well Spacing Appendix Data	Creation Date, Type Code, Resolution Required Flag, Well Spacing Code, Buffer Amount (in metres), Well Density Code, Interwell Distance Amount (in metres), Split ID, Reference Well
86	Well Spacing Appendix Target Data	Target Area Code, Spacing/Target Description
97	Warning Messages	Warning codes for Well Spacing & Well Spacing Appendix
98	Disclaimer	LSAS Data Disclaimer
99	Deletion Date	Activity Deletion Date

RECORD LAYOUTS

<u>Code</u>	<u>Position</u>	<u>Element</u>	<u>Picture Clause</u>	<u>Table Record ID</u>
ALL	01-02	ENTITY TYPE CODE	X(02)	
	03-16	ENTITY KEY	X(14)	
	17-18	RECORD TYPE	X(02)	
	19	FILLER	X(01)	
	20-24	LINE NUMBER	9(05)	
	25-29	RELATION NUMBER	9(05)	
00	30-37	FILE CREATION DATE	9(08)	
	38-45	UPDATES FROM DATE	9(08)	
	46-53	WELL SPACING UNITS WRITTEN	9(08)	
	54-61	WELL SPACING APPENDICES WRITTEN	9(08)	
	62-69	CLIENTS WRITTEN	9(08)	
	70-77	DELETED WELL SPACING UNITS WRITTEN	9(08)	
	78-85	DELETED WELL SPACING APPENDICES WRITTEN	9(08)	
	*86-93	FILLER	X(08)	
	94-101	TABLES WRITTEN	9(08)	
	102-109	RECORDS WRITTEN	9(08)	
01	30-30	UPDATE FLAG (A=ADDED, M=MODIFIED, COMPLETE FILE=BLANK)	X(01)	
	31-38	LAST UPDATE DATE	9(08)	
	39-40	STATUS CODE	X(02)	ENSTATS
02	30-36	CLIENT ID	9(07)	

<u>Code</u>	<u>Position</u>	<u>Element</u>	<u>Picture Clause</u>	<u>Table Record ID</u>
	37-39	CLIENT ADDRESS	9(03)	
	40-82	FILLER	X(43)	
03	30-31	OCCURS COUNT (MAX. 65)	9(02)	
	32-291	TRANSACTION CODE OCCURS 65 TIMES	X(04)	MTRNSTYP
11	30	LAND INFORMATION UPDATE	X(01)	
13	30	RECORD TYPE - 'L'	X(01)	
	31-40	LAND KEY INDEX	X(10)	
	41-46	TO TOWNSHIP	X(06)	
	47-91	LAND DESCRIPTION<5-X(9)>	X(45)	
	92	METES AND BOUNDS FLAG	X(01)	
	93-112	FILLER	X(20)	
13	30	RECORD TYPE - 'M'	X(01)	
	31-105	METES & BOUNDS DESCRIPTION	X(75)	
14	30	RECORD TYPE - 'T'	X(01)	
	31-34	FORMATION CODE	X(04)	FORMNCD
	35-36	QUALIFIER TYPE CODE	X(02)	ZONEQUAL
	37-38	SUBSTANCE TYPE CODE	X(02)	SUBSTNCE
	39-45	POOL ID	X(07)	
	46-66	POOL DESCRIPTION	X(21)	
	67-70	FILLER	X(04)	
16	30-43	WELL IDENTIFIER	X(14)	
	44	FILLER	X(01)	

<u>Code</u>	<u>Position</u>	<u>Element</u>	<u>Picture Clause</u>	<u>Table Record ID</u>
	45-46	FLUID	X(02)	WLFLUID
	47-48	MODE	X(02)	WLMODE
	49-50	TYPE	X(02)	WLTYPE
	51-52	STRUCTURE	X(02)	WLSTRUCT
	53-54	FILLER	X(02)	
	55-56	SUBSTANCE TYPE CODE	X(02)	SUBSTNAB
	57-60	ZONE CODE	X(04)	ZONECDAB
	61-62	WELL EXEMPTION TYPE CODE	X(02)	WSEXEMPT
33	30-37	UNIT ID	X(08)	UNITTYAB
	38-44	FILLER	X(07)	
	45-104	UNIT NAME	X(60)	
35	30-31	REMARK TEXT TYPE CODE	X(02)	RMKTYPES
	32-106	REMARK TEXT	X(75)	
36	30-104	SPECIAL PROVISIONS TEXT	X(75)	
37	30-104	RESOLUTION TEXT	X(75)	
49	30-37	NAME CHANGE PROCESSED DATE	9(08)	
	38-45	NAME CHANGE EFFECTIVE DATE	9(08)	
	46-53	ADDRESS CHANGE PROCESSED DATE	9(08)	
	54-61	ADDRESS CHANGE EFFECTIVE DATE	9(08)	
	62-69	MERGER/AMALGAMATION PROCESSED DATE	9(08)	
	70-77	MERGER/AMALGAMATION EFFECTIVE DATE	9(08)	

<u>Code</u>	<u>Position</u>	<u>Element</u>	<u>Picture Clause</u>	<u>Table Record ID</u>
*50	30-134	CLIENT NAME	X(105)	
	135-309	CLIENT ADDRESS <5-X(35)>	X(175)	
	310-344	CLIENT CITY	X(35)	
	345-368	CLIENT PROVINCE	X(24)	
	369-388	CLIENT COUNTRY	X(20)	
	389-397	CLIENT POSTAL CODE	X(09)	
	*398	CLIENT ADDRESS STATUS CODE	X(01)	CLTADDST
60	30-89	TABLE DESCRIPTION	X(60)	
61	30-35	TABLE CODE VALUE	X(06)	
	36-97	TABLE DECODE VALUE	X(62)	
80	30-37	CREATION DATE	9(08)	
	38-45	EFFECTIVE DATE	9(08)	
	46-105	WELL SPACING NAME	X(60)	
	106-108	SPLIT ID	9(03)	
	109	RESOLUTION REQUIRED FLAG	X(01)	
81	30-38	AMENDED/PREVIOUS WELL SPACING UNIT ID	X(09)	
	39	HISTORY TYPE CODE	X(01)	WSHISTRY
	40-47	AMENDMENT/RESCINDED DATE	9(08)	
	48	COMMENT FLAG	X(01)	Y/N
82	30-33	FIELD ID	X(04)	
	34-35	STATUS CODE	X(02)	ENSTATS
	36-37	TYPE CODE	X(02)	FIELDTYP
	38-61	FIELD NAME	X(24)	

<u>Code</u>	<u>Position</u>	<u>Element</u>	<u>Picture Clause</u>	<u>Table Record ID</u>
83	30-104	WELL SPACING HISTORY TEXT	X(75)	
85	30-37	CREATION DATE	9(08)	
	38	TYPE CODE	X(01)	WSAPPTYP
	39	RESOLUTION REQUIRED FLAG	X(01)	Y/N
	40-41	WELL SPACING CODE	X(02)	WSUNITCD
	42-45	BUFFER AMOUNT	9(04)	
	46-47	WELL DENSITY CODE	X(02)	WSDENSTY
	48-51	INTERWELL DISTANCE AMOUNT	9(04)	
	52-54	SPLIT ID	9(03)	
	55-68	REFERENCE WELL ID	X(14)	
86	30-32	TARGET AREA CODE	X(03)	WSTARGET
	33-111	SPACING / TARGET DESCRIPTION	X(79)	
97	30-31	OCCURS COUNT (MAX 15)	9(02)	
	32-391	EXTRA TEXT GROUP OCCURS 15 TIMES. EACH OCCURRENCE CONSISTS OF:	X(360)	MWARNING
		WARNING CODE	X(04)	MWARNING
		EXTRA TEXT	X(20)	
98	30-109	DISCLAIMER	X(80)	
99	30-37	DELETION DATE	9(08)	