General Well Data File – All Alberta

Layout Document

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Alberta Energy Regulator
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Contents

1 Introduction

1.1 Overview

This document describes the data and layout of records regarding basic drilling data oil, gas, oil sands, and water wells in Alberta. This file, which is updated weekly, contains licensing data, drilling occurrence data, tops & markers data, log data, stem tests/wireline/CR sampler data, tour occurrence data, tour – directional drilling data, tour – casing data, tour – cementing data, tour – cores cut data, tour – perforation/treatment data, tour – plug back and abandonment data, well status history data, and well completion data.

Information regarding drilling and completion, can be found on Manual027: Well Drilling and Completion Data Submission System Guidance (aer.ca)

1.2 Problem Resolution

If you encounter problems with this product, please email informationrequest@aer.ca. Please identify the problem as one or more of the following:

- Problems related to the distribution of data
- Problems related to data
- Other problems

1.3 Available Formats

This product is available as a TXT file. Products are zipped prior to being uploaded to FTP site.

1.4 Rights

The AER retains the proprietary rights on all data sold.

Purchasers and subscribers of this product are permitted to use the data file to select and process data for internal or client use and to release to their clients copies of small portions of the file that result from specialized data retrievals. Copying an entire file or a large portion of a file for resale is not permitted.

Arrangements may be made to obtain a copy or an update service for an entire file or a large portion of a file from another subscriber, provided the supplier receives approval from Information Services at the AER (informationrequest@aer.ca) before data are transferred. The fee for granting this service will be a maximum of 75 per cent of the current rate for purchasing the file directly from the AER.

1.5 Confidentiality

All files and programs are processed to exclude confidential data. Data are made available once they have been released from confidential status.

1.6 Disclaimer

The AER

- Makes no representation, warranties, or guarantees, expressed or implied, for the fitness of the data file with respect to intended use;
- Accepts no responsibility for any inaccuracies, errors, or omissions in the data file;
- Accepts no responsibility for any costs incurred by a company to convert, install, or improve the data file; and
- Makes no guarantee to the continuing availability of any data or the consistency of the format of transferred data.

2 File Specification

2.1 General File Description

Availability	Weekly
Sort sequence	Ascending order by LOC-DESC/RECORD TYPE
File key	LOC-DESC - TOWNSHIP - MERIDIAN - RANGE - SECTION - LEGAL SUBDIVISION - LOCATION EXCEPTION - EVENT SEQUENCE UPDATE FLAG RECORD TYPE

Notes:

For wells classified as “confidential” or “confidential below a formation,” only record types 005, 010, 035, 040, 045, and 070 will be released.

Record type 025 will contain only the six most current DST-FLUID-CODE, DST-FLUID-RECOVRD, and DST-FLUID-UNITS.

Record type 010 cannot contain both a field/pool and an oil sands area/deposit

Record type 005 is mandatory and will always exist; all other record types are optional and will only exist if data was submitted in the past week.

3 Record Types, Elements and Descriptions

Record Type	Element name	Element description
Appears in all record types	CPA-ID / UWI ID - Loc-Desc - Township - Meridian - Range - Section - LSD - Loc-Exception - Event-Sequence	Unique identifier for the well assigned by the AER to a licensed well event.
Appears in all record types	Record-Code	A number that uniquely identifies the type of information within this file.
005	Licence-No - Licence-Prefix - Licence-Sequence - Licence-Suffix	Unique number identifying the licence.
005	Licence-Sec-Code	The section of oil and gas regulation under which the application for a well licence was made.
005	Licence –Date	Date licence was issued.
005	SH-Loc-Desc - SH-Township - SH-Meridian - SH-Range - SH-Sec - SH-LSD	Identifies the surface hole location.

005	SH-North-South-Code	Indicates the north-south direction from the surface hole to the location of the start of the current interval. Examples are: 'N' - North (from south boundary) 'S' - South (from north boundary)
005	SH-North-South-Dist	The distance from the reference section boundary to the surface location.
005	SH-East-West-Code	Indicates the direction from the reference section boundary to the surface location. Examples are: 'E' - East (from west boundary) 'W' - West (from east boundary)
005	SH-East-West-Dist	The distance from the reference section boundary to the surface location (metres).
005	SH-Actual-Latitude	The actual latitude of the surface hole.
005	SH-Actual-Longitude	The actual longitude of the surface hole.
005	Area-Office-Code	The code used to identify field centres, formerly known as area offices.
005	Licence	Unique number identifying the licence.
005	Agent-Code	A code which uniquely identifies another business associate that has been named in accordance with the Oil and Gas Conservation Act (OGCA) to act as an agent of the current licensee. If a licensee is not a resident within the Province of Alberta an agent who is a resident within the province of Alberta is required. The agent will be held accountable if the licensee is unable or unwilling to fulfill its responsibilities.
005	Licence-Proj-Frmtn-Code	The formation code of the projected terminating formation for the well.
005	AER -Class-Code	The AER Classification of the proposed well.
005	Conf-Flag	The appropriate confidential code of the proposed well.
005	Well-Conf-Form-Depth	Depth of the formation below which the well is confidential (meters).
005	Conf-Form-Code	The formation below which a well is initially confidential.
005	Conf-Rel-Date	Date confidential information can be released to the general public.
005	Surf-Rgt-Owner-Ind	Indicates the type of surface rights ownership.
005	Head-Lessor-Mnl-Right-Ind	Indicates the type of head lessor for the mineral rights (eg. crown, freehold).

005	Agreement-No	The DOE identifier for the mineral lease agreement.
005	Agreement-Exp-Date	Date that the approval will expire if certain conditions are not met. For instance, a well licence will expire if the well has not been spudded within one year of approval date.
005	Scheme-Appr-No	The scheme approval number of the experimental, primary, or commercial crude bitumen scheme that the proposed facility is part of.
005	Scheme-Expiry-Date	The expiry date for the approved scheme. This date is only required for experimental schemes.
005	Surf-Aband-Code	Indicates whether the well licence surface abandonment data record has been inactivated (Y) or not (N). Inactivation is equivalent to a logical delete.
005	Surf-Aband-Date	The date that this set of abandonment and reclamation cost estimates became effective. -47000 wells in our General Well Data file have a recertified date of 1998 12 31. The reclamation status of “rec-exempt” and date of 1998 was a business decision made and applied by Alberta Environment years prior to the 2013 standing of AER. If and official record for reclamation is required , please submit a routine disclosure request as the information is in EMS and GLIMPS.
005	Licence-Status	Current status of the licence. Reflects the administrative process of the licence such as Issued, amended, cancelled, abandoned, etc.
005	Licence-Status-Date	Date the current licence status took effect.
005	Operator-BA-ID	A code which uniquely identifies a business associate.
010	Well-Name	The official well name as it appears on the well licence or an amendment thereof.
010	Field Code	Unique identifier for the field.
010	Field Name	The official field name as it appears on the well licence or an amendment thereof.
010	Pool Code	Unique identifier for the field
010	Pool Name	Pool name as it appears on the well licence or an amendment thereof.
010	OS-Area- Code	Unique identifier for the oil sands area.

010	OS-Dep- Code	Unique identifier for the oil sands deposit.
010	BH-North-South-Code	Indicates the direction from the reference section boundary to the bottom hole location. 'N' – North (from south boundary) 'S' – South (from north boundary)
010	BH-North-South-Dist	The distance from the reference section boundary to the bottom hole location (metres).
010	BH-East-West-Code	Indicates the direction from the reference section boundary to the bottom hole location. 'W' – West (from east boundary) 'E' – East (from west boundary)
010	BH-East-West-Dist	The distance from the reference section boundary to the bottom hole location (meters).
010	BH-Actual-Latitude	The actual latitude of the bottom hole.
010	BH-Actual-Longitude	The actual longitude of the bottom hole.
010	Ground Elevation	The elevation above sea level at which point the hole was drilled.
010	KB-Elev	The elevation of the kelly bushing measured as meters above mean sea level.
010	Well-Total-Depth	The original measurement system for the total depth measurement.
010	TV-Depth	The approved projected true vertical depth (TVD) to the nearest meter if the well is expected to deviate from vertical as specified on the licence application.
010	PB-Depth	Depth of the point that the well was plugged back to when setting the casing or completing the well. Measured as meters from the kelly bushing.
010	Spud-Date	Date drilling operations commence for the well.
010	Fin-Drl-Date	Date that the drilling operations to reach total depth for the well were completed.
010	Rig-Rlse-Date	Date the drilling rig was released from operations at the well site.
010	On-Prod-Date	Date that production was first reported for the production string.
010	Drill-Contr-Code	A code which uniquely identifies the business associate who is the contractor responsible for drilling the well.
010	Rig-No	A name or number which identifies the contractors rig that has been or will be used to drill the well.
010	On-Inj-Date	Date that injection was first reported for the production string.
015	GEO-Revised-Date	The date this geological pool was last updated.

015	Log-TVD-Code	Indicates whether depth measurements for the log have been corrected to true vertical depth (TVD).
015	Frrmtn-Code	A numerical formation code of the well.
015	Frmtn-Depth	The formation depth of the well.
015	Qual-Code	Code indicating quality of data and evaluation.
015	Desc-Code	The full description of a particular reference value.
20	Log-Run-Number	Unique run number for each Log Type as assigned by the licensee. These numbers are not necessarily sequential. Odd values (1,3,5...) are used for logs indicating measured depth. Even numbers (2,4,6...) are used for logs adjusted to true vertical depth.
20	Log-Run-Date	The date the log run occurred.
20	Log-Type-Code	The type of well log. A well log is the product of a survey operation consisting of one or more curves characterizing the properties of the subsurface strata.
20	Log-Intrvl-Top	The top of the logged interval contained within the file. This measurement is taken along the well path.
20	Log-Intrvl-Base	The base of the logged interval contained within the file. This measurement is taken along the well path.
25	DST-Test-Code	Indicates the test code.
25	DST-Test-No	A sequential number that uniquely identifies the different instances of drill stem fluids recovered from a DST test.
25	DST-Test-Sub-Code	Uniquely identifies a specific well test submission for a specific interval within a well.
25	DST-Test-Company	Code identifying the service company that performed the test.
25	DST-Date	The Original_Test_Due_Date is the date the test is due. This date is checked as well as the fulfillment status to determine if compliance enforcement is required.

25	DST-Misrun-Flag	Indicates whether the test succeeded or the reason for failure of the test.
25	Intrvl-Top	The True Vertical Midpoint Depth between the Resource Interval Top Depth and Resource Interval Base Depth to the nearest metre.
25	DST-Intrvl-Base	The measured distance from the surface to the bottom of an interpreted interval. Bottom depth must be greater to the Top Depth. Bottom depth can be the same as the next interval's top depth. Bottom depth cannot overlap any other interval.
25	Record-Depth	Measured depth of the test recorder.
25	DST-Stat-Press	The status of the reference value, where applicable.
25	Fin-Flow-Press	Measured final flowing pressure at wellhead.
25	Valve-Open-Time	The time interval valve was open.
25	Gas-Surface-Time	Time required for gas to flow to the surface once well started flowing during test. Immediate flow to surface = 0 minutes.
25	Max-Gas-Flow	The maximum gas flow rate during the test (usually a one hour flow rate converted to a daily gas flow rate).
25	Fin-Gas-Flow	The final gas flow rate during the test (usually a one hour flow rate converted to a daily gas flow rate).
25	Oil-Surface-Time	Length of time for oil to flow to the surface once well started flowing during test. Zero means immediate flow.
25	Max-Oil-Flow	The maximum oil flow rate during the test (usually a one hour flow rate converted to a daily oil flow rate).
25	Wtr-Surface-Time	Length of time required for water to flow to the surface once well started flowing during test. Zero means immediate flow.
25	Max-Wtr-Flow	The maximum water flow rate during the test (usually a one hour flow rate converted to a daily oil

		flow rate).
25	Pipe-Int-Diam	Diameter of the borehole or inside diameter of the drill pipe.
25	Cushion-Length	The length of cushion present during the drill stem test.
25	Cushion-Type-Code	Type of cushion used during the drill stem test.
25	DST-Fluid	A type of fluid recovered as part of the drill stem test per sequence
25	DST-Fluid-Record	Units of measurement used to record the volume of the fluid recovered from the drill stem test.
25	DST-Fluid-Units	Units of measurement used to record the volume of the fluid recovered from the drill stem test.
30	Obs-No	A sequential observation number used to uniquely identify each drill stem test within a given time period.
30	Occ-Type-Code	When the Occurrence Type is 'Lost Circulation', the estimate of the volume of fluid lost during the incident in cubic metres (m3).
30	Occ-Opr-Prog-Code	DDS entry code for operation in progress when incident began.
30	Occ-Date	Date that the occurrence (event) occurred.
30	Occ-Depth	The total well depth or the depth in mKb of the tool when the event or problem began.
30	Occ-Mud-Density	The density of the fluid in the wellbore when the event began in kilograms per cubic metre (Kg/m3).
30	Occ-Cntrl-Date	The date the event or problem was brought under control.
30	Occ-Cntrl-Depth	The total well depth or the depth in mKb of the tool when the event was controlled.
30	Occ-Fnl-Mud-Density	When the Control Method is 'Mud', the density of the

		fluid in the wellbore when the event was controlled in kilograms per cubic metre (Kg/m3). (Final mud density n/a. Found control mud density.
30	Occ-Water-Flow-Rate	When the Occurrence Type is 'Water Flow', the estimate of the volume of water lost during the incident in cubic metres (m3) per day.
30	Occ-Lost-Circln-Vol	When the Occurrence Type is 'Lost Circulation', the estimate of the volume of fluid lost during the incident in cubic metres (m3).
35	Dir-Drill-Start-Date	Date when directional drilling operation started.
35	Dir-Drill-Depth	The depth at which directional drilling commenced.
35	Dir-Drill-Reason-Code	The reason that the well was directionally drilled.
40	Casing-Date	The date that casing is set (finished cementing).
40	Casing-Code	Casing code being reported as described in Directive 59 for data submission purposed through DDS.
40	Casing-Size	Number identifying, in chronological sequence, each change in casing size from larger to smaller. Each additional string of casing or liners is nested inside the previous string.
40	Shoe-Set-Depth	Depth of the casing shoe measured from the kelly bushing. That is, the depth at which the bottom of the casing was landed.
40	Liner-Top-Depth	The top depth of the liner measured in metres from the kelly bushing and the depth at which the liner was hung. Field will have a value greater than 0 only when there is a liner in the wellbore.
40	Casing-Density	The linear density of the casing string or liner measured in Kilograms per metre.
40	Casing-Steel-Process	A 3-character string that describes the steel processes. If mutliple grades are run on the same

		casing string, the steel process of the highest grade is reported.
40	Casing-Yield-Strength	A 3-character string that describes the yield strength of the casing. If multiple grades are run on the same casing string, the yield strength of the highest grade is reported.
45	Cement-Obs-No	A sequential number that identifies each cementing operation in chronological order.
45	Cement-Stage-No	Sequential number assigned to each application (stage) of cement supplied to secure the casing.
45	Cement-Unit-Code	The unit of measure used for the cement volume.
45	Cement-Amount	The volume of cement pumped into the well for each cementing job.
45	Cement-Type-Code	Identifies the particular type of cement and additives used during the cementing operation.
45	Cement-Top-Depth	The measured depth from the surface to the cementing operation.
45	Cement-Base-Depth	Base of the cement used for abandonment in m below kelly bushing (mkb)
50	Core-No	A sequential number assigned to each core cut from the well, in the chronological order that they are cut.
50	Core-Date	Date interval was cored or date of coring operation.
50	Core-Interval-Top	Top of interval analyzed for a core analysis / sieve analysis report.
50	Core-Interval-Base	Base of interval analyzed for a core analysis / sieve analysis report.
50	Core-Fluid-Code	Fluid code indicating what fluid was present during the cutting operation for the core.
50	Core-Code	Code identifying the type of coring procedure used

		to extract the core.
50	Core-Length	Describes the length of the plug samples taken
55	Packer-Ind	Indicates the date by which an Annual Packer Test must be submitted in accordance with Directive 051: Injection and Disposal Wells - Well Classifications, Completion, Logging, and Testing Requirements.
55	Obs-No	A sequential number identifying each perforation or treatment operation which occurred for the well in chronological order.
55	PT-Date	Date the packer test was performed.
55	PT-Code	Production tubing code.
55	Intrvl-Top (perf/treatment record)	The measured depth from the surface to the top of the interval for which well fracture or treatment operation has occurred.
55	Intrvl-Base (perf/treatment record)	The measured depth from the surface to the base on the interval for which well fracture or treatment operation has occurred.
55	PT-Shots	Number of perforation shots - holes shot through the casing - per metre.
65	Pba-Date	Date that plugback operations occurred
65	Pba-Run-Type	Type of plug used in plugback operation.
65	Data-Ind-Intrvl-Top	Indicates whether the top depth of the plugback was actually measured or was estimated.
65	Intrvl-Top (plug/abandonement record)	Measured depth from the kelly bushing to the top of the plugback interval.
65	Intrvl-Base (plug/abandonement record)	Measured depth from the kelly bushing to the base of the plugback interval.
65	Pba-Cement-Amt	The volume of cement pumped into the well to complete the plugback.

65	Surface Abandonment Method	Method for surface abandonment used in the well.
65	Plug Type	Type of plug used for downhole abandonment.
65	Plugback Purpose	Reason for the abandonment.
70	Well-Stat-Date	The effective date of the status.
70	Well-Stat-Code	The current status of the order.
75	Initial-Compl-Intrvl-Top	Start or effective date of the net completion interval. An interval where a well open perforations for production. Usually there is one set of open perforations for a production string that penetrate one zone. However, a single production string can have many completion intervals and a completion interval can span many formations.
75	Initial-Compl-Intrvl-Bot	Start or effective date of the net completion interval. An interval where a well open perforations for production. Usually there is one set of open perforations for a production string that penetrate one zone. However, a single production string can have many completion intervals and a completion interval can span many formations.
80	Update-Flag	Will always contain a ‘D’ for deletion

3.1 Record Elements

3.1.1 Record Type: 005 (Licensing-Data)

Information about the licensee. The licensee is the holder of a facility, pipeline, or well licence in the AER's records and includes a trustee or receiver-manager of property of a licensee.

Record length: 228

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	LICENCE-NO				
	LICENCE -PREF	19	1	X	
	LICENCE -SEQ	20	7	9(7)	
	LICENCE -SUFF	27	1	X	
	TAB-FILLER	28	1	X	
4	LICENCE -SEC-CODE	29	7	9(3).9(3)	
	TAB-FILLER	36	1	X	

Element number	Element name	Starting position	Length	Format	Comments
5	LICENCE -DATE	37	8	9(8)	
	TAB-FILLER	45	1	X	
6	SH-LOC-DESC				
	SH-TOWNSHIP	46	3	9(3)	
	SH-MERIDIAN	49	1	9	
	SH-RANGE	50	2	9(2)	
	SH-SEC	52	2	9(2)	
	SH-LSD	54	2	9(2)	
	TAB-FILLER	56	1	X	
7	SH-NORTH-SOUTH-CODE	57	1	X	
	TAB-FILLER	58	1	X	
8	SH-NORTH-SOUTH-DIST	59	6	9(4).9	
	TAB-FILLER	65	1	X	
9	SH-EAST-WEST-CODE	66	1	X	
	TAB-FILLER	67	1	X	
10	SH-EAST-WEST-DIST	68	6	9(4).9	
	TAB-FILLER	74	1	X	
11	SH-ACTUAL-LATITUDE	75	10	S9(2).9(6)	Always a positive number, zero filled
	TAB-FILLER	85	1	X	
12	SH-ACTUAL-LONGITUDE	86	11	S9(3).9(6)	Always a negative number
	TAB-FILLER	97	1	X	

Element number	Element name	Starting position	Length	Format	Comments
13	AREA-OFFICE-CODE	98	2	9(2)	
	TAB-FILLER	100	1	X	
14	LICENCE	101	5	X(5)	
	TAB-FILLER	106	1	X	
15	AGENT-CODE	107	5	X(5)	
	TAB-FILLER	112	1	X	
16	LICENCE -PROJ-FRMTN-CODE	113	4	9(4)	
	TAB-FILLER	117	1	X	
17	AER -CLASS-CODE	118	2	9(2)	See appendix 4 for AER descriptions.
	TAB-FILLER	120	1	X	
18	CONF-FLAG	121	1	9	See appendix 6 for Confidential Flag status
	TAB-FILLER	122	1	X	
19	WELL-CONF-FORM-DEPTH	123	7	9999.99	
	TAB-FILLER	130	1	X	
20	CONF-FORM-CODE	131	4	9(4)	
	TAB-FILLER	135	1	X	
21	CONF-REL-DATE	136	8	9(8)	
	TAB-FILLER	144	1	X	
22	SURF-RGT-OWNER-IND	145	1	9	
	TAB-FILLER	146	1	X	

Element number	Element name	Starting position	Length	Format	Comments
23	HEAD-LESSOR-MNL-RIGHT-IND	147	1	9	See appendix 11 for value descriptions.
	TAB-FILLER	148	1	X	
24	AGREEMENT-NO	149	15	X(15)	If multiple exist, most recent is displayed.
	TAB-FILLER	164	1	X	
25	AGREEMENT-EXP-DATE	165	8	9(8)	If multiple exist, most recent is displayed.
	TAB-FILLER	173	1	X(1)	
26	SCHEME-APPR-NO	174	6	X(6)	
	TAB-FILLER	180	1	X	
27	SCHEME-EXPIRY-DATE	181	8	9(8)	In YYYYMMDD format
	TAB-FILLER	189	1	X	
28	SURF-ABAND-CODE	190	2	9(2)	If multiple exist, most recent is displayed. See important note on page 7.
	TAB-FILLER	192	1	X	
29	SURF-ABAND-DATE	193	8	9(8)	If multiple exist, most recent is displayed. See important note on page 7.
	TAB-FILLER	201	1	X(1)	
30	LICENCE-STATUS	202	12	X(12)	See appendix 5.
	TAB-FILLER	214	1	X	
31	LICENCE-STATUS-DATE	215	8	9(8)	
	TAB-FILLER	223	1	X	
32	OPERATOR-BA-ID	224	4	X(4)	

3.1.2 Record Type: 010 (Drilling-Occurrence-Data)

Lost circulation: depth and interval, density and volume of fluid lost, and amount and types of materials used. Water, gas, or oil kick: depths, shut-in and circulating pressures, influx volume, and control procedures.

Record length: 264
Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
2	WELL-NAME	19	36	X(36)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	55	1	X	
3	FIELD-CODE	56	4	9(4)	
	TAB-FILLER	60	1	X	
4	POOL-CODE	61	7	9(7)	
	TAB-FILLER	68	1	X	
5	OS-AREA-CODE	69	4	X(4)	
	TAB-FILLER	73	1	X	
6	OS-DEP-CODE	74	7	9(7)	
	TAB-FILLER	81	1	X	
7	BH-NORTH-SOUTH-CODE	82	1	X	
	TAB-FILLER	83	1	X	
8	BH-NORTH-SOUTH-DIST	84	7	S9(4).9	
	TAB-FILLER	91	1	X	
9	BH-EAST-WEST-CODE	92	1	X	
	TAB-FILLER	93	1	X	
10	BH-EAST-WEST-DIST	94	7	S9(4).9	
	TAB-FILLER	101	1	X	
11	BH-ACTUAL-LATITUDE	102	9	9(2).9(6)	Always a positive number.

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	111	1	X	
12	BH-ACTUAL-LONGITUDE	112	11	9(4).9(6)	Always a negative number.
	TAB-FILLER	123	1	X	
13	GROUND-ELEVATION	124	6	9(4).9	
	TAB-FILLER	130	1	X	
14	KB-ELEV	131	8	S9(4).99	Always a positive value, zero filled.
	TAB-FILLER	139	1	X	
15	WELL-TOTAL-DEPTH	140	8	S9(4).99	Always a positive value, zero filled.
	TAB-FILLER	148	1	X	
16	TV-DEPTH	149	7	9(4).99	
	TAB-FILLER	156	1	X	
17	PB-DEPTH	157	8	S9(4).99	Always a positive value, zero filled.
	TAB-FILLER	165	1	X	
18	SPUD-DATE	166	8	9(8)	
	TAB-FILLER	174	1	X	
19	FIN-DRL-DATE	175	8	9(8)	
	TAB-FILLER	183	1	X	
20	RIG-RLSE-DATE	184	8	9(8)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	192	1	X	
21	ON-PROD-DATE	193	8	9(8)	
	TAB-FILLER	201	1	X	
22	DRILL-CONTR-CODE	202	5	X(5)	
	TAB-FILLER	207	1	X	
23	RIG-NO	208	4	X(4)	
	TAB-FILLER	212	1	X	
24	ON-INJ-DATE	213	8	X(8)	
	TAB-FILLER	221	1		
25	FIELD-NAME	222	20		
	TAB-FILLER	242	1		
26	POOL-NAME	243	21		

3.1.3 Record Type: 015 (Tops & Markers-Data)

The formation markers interpreted for a specific well.

Record length: 48

Estimated number of records: 2

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
	GEO-REVISED-DATE	19	8	9(8)	
	TAB-FILLER	27	1	X	

Element number	Element name	Starting position	Length	Format	Comments
2	LOG-TVD-CODE	28	1	9	
	TAB-FILLER	29	1	X	
3	FRMTN-CODE	30	4	9(4)	
	TAB-FILLER	34	1	X	
4	FRMTN-DEPTH	35	7	9(4).9(2)	
	TAB-FILLER	42	1	X	
5	QUAL-CODE	43	2	9(2)	
	TAB-FILLER	45	1	X	
6	DESC-CODE	46	2	9(2)	

3.1.4 Record Type: 020 (Log-Data)

Well log data is used for quantitative and qualitative analysis of the rocks and fluids traversed by the log. These data can then be used to determine the petrophysical properties and reservoir properties of those rocks and fluids.

Record length: 53

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	LOG-RUN-NUMBER	19	2	9(2)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	21	1	X	
4	LOG-RUN-DATE	22	8	9(8)	
	TAB-FILLER	30	1	X	
5	LOG-TYPE-CODE	31	4	9(4)	
	TAB-FILLER	35	1	X	
6	LOG-INTRVL-TOP	36	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	44	1	X	
7	LOG-INTRVL-BASE	45	8	S9(4).9(2)	Always a positive value, zero filled.

3.1.5 Record Type: 025 (DST/Wireline-Sampler Data)

Drill stem test: test number; interval; valve open time; gas, oil, or water to surface times and flow rates; recovered volumes; pressure data (chart and times). Wireline tests: test number, depth, duration, and recovery pressure data and times.

Record length: 179

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	DST-TEST-CODE	19	1	9	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	20	1	X	
4	DST-TEST-NO	21	2	9(2)	
	TAB-FILLER	23	1	X	
5	DST-TEST-SUB-CODE	24	1	9	
	TAB-FILLER	25	1	X	
6	DST-TEST-COMPANY	26	15	X(15)	
	TAB-FILLER	41	1	X	
7	DST-DATE	42	8	9(8)	
	TAB-FILLER	50	1	X	
8	DST-MISRUN-FLAG	51	1	9	
	TAB-FILLER	52	1	X	
9	INTRVL-TOP	53	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	61	1	X	
10	DST-INTRVL-BASE	62	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	70	1	X	
11	RECORD-DEPTH	71	7	9(4).9(2)	
	TAB-FILLER	78	1	X	
12	DST-STAT-PRESS	79	6	S9(5)	Always a positive value, zero filled.

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	85	1	X	
13	FIN-FLOW-PRESS	86	6	S9(5)	Always a positive value, zero filled.
	TAB-FILLER	92	1	X	
14	VALVE-OPEN-TIME	93	4	S9(3)	Always a positive value, zero filled.
	TAB-FILLER	97	1	X	
15	GAS-SURFACE-TIME	98	4	S9(3)	
	TAB-FILLER	102	1	X	
16	MAX-GAS-FLOW	103	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	110	1	X	
17	FIN-GAS-FLOW	111	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	118	1	X	
18	OIL-SURFACE-TIME	119	4	S9(3)	
	TAB-FILLER	123	1	X	
19	MAX-OIL-FLOW	124	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	131	1	X	
20	WTR-SURFACE-TIME	132	4	S9(3)	Always a positive value, zero filled.
	TAB-FILLER	136	1	X	
21	MAX-WTR-FLOW	137	7	S9(4).9	Always a positive value, zero filled.

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	144	1	X	
22	PIPE-INT-DIAM	145	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	152	1	X	
23	CUSHION-LENGTH	153	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	160	1	X	
24	CUSHION-TYPE-CODE	161	1	9	
	TAB-FILLER	162	1	X	
25	DST-FLUID	163	3	9(3)	
	TAB-FILLER	166	1	X	
26	DST-FLUID-RECOVRD	167	8	9(5).9(2)	
	TAB-FILLER	175	1	X	
27	DST-FLUID-UNITS	176	3	X(3)	

3.1.6 Record Type: 030 (Tour-Occurrence-Data)

This table contains occurrences of events that took place during the drilling process, such as, Loss of Circulation of fluid or other events.

Record length: 93

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	OBS-NO	19	2	9(2)	
	TAB-FILLER	21	1	X	
4	OCC-TYPE-CODE	22	2	9(2)	See appendix 1.
	TAB-FILLER	24	1	X	

Element number	Element name	Starting position	Length	Format	Comments
5	OCC-OPR-PROG-CODE	25	2	9(2)	
	TAB-FILLER	27	1	X	
6	OCC-DATE	28	8	9(8)	
	TAB-FILLER	36	1	X	
7	OCC-DEPTH	37	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	45	1	X	
8	OCC-MUD-DENSITY	46	5	S9(4)	
	TAB-FILLER	51	1	X	
9	OCC-CNTRL-DATE	52	8	9(8)	
	TAB-FILLER	60	1	X	
10	OCC-CNTRL-DEPTH	61	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	69	1	X	
11	OCC-FNL-MUD-DENSITY	70	5	S9(4)	Always a positive value, zero filled.
	TAB-FILLER	75	1	X	
12	OCC-WATER-FLOW-RATE	76	8	S9(4).99	Always a positive value, zero filled.
	TAB-FILLER	85	1	X	
13	OCC-LOST-CIRCLN-VOL	85	8	S9(4).99	Always a positive value, zero filled.

3.1.7 Record Type: 035 (Tour-Direction-Drilling-Data)

Provides information about directional drilling that took place with the start and end dates of each drilling event.

Record length: 42

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	OBS-NO	19	2	9(2)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	21	1	X	
4	DIR-DRILL-START-DATE	22	8	9(8)	
	TAB-FILLER	30	1	X	
5	DIR-DRILL-DEPTH	31	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	39	1	X	
6	DIR-DRILL-REASON-CODE	40	2	9(2)	

3.1.8 Record Type: 040 (Tour-Casing-Data)

Provides information about casing used in the well such as type, density, grade of steel, steel strength, etc

Record length: 73

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	OBS-NO	19	2	9(2)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	21	1	X	
4	CASING-DATE	22	8	9(8)	
	TAB-FILLER	30	1	X	
5	CASING-CODE	31	2	9(2)	
	TAB-FILLER	33	1	X	
6	CASING-SIZE	34	6	S9(3).9	Always a positive value, zero filled.
	TAB-FILLER	40	1	X	
7	SHOE-SET-DEPTH	41	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	49	1	X	
8	LINER-TOP-DEPTH	50	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	58	1	X	
9	CASING-DENSITY	59	6	S9(3).9	Always a positive value, zero filled.
	TAB-FILLER	65	1	X	
10	CASING-STEEL-PROCESS	66	3	X(3)	
	TAB-FILLER	69	1	X	
11	CASING-YIELD-STRENGTH	70	3	X(3)	

3.1.9 Record Type: 045 (Tour-Cementing-Data)

This data is related to the Casing information but provides information about the where the cementing was done and the amount of cement used.

Record length: 57

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-CEMENT-DATA				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	OBS-NO	19	2	9(2)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	21	1	X	
4	CEMENT-OBS-NO	22	1	9	
	TAB-FILLER	23	1	X	
5	CEMENT-STAGE-NO	24	1	9	
	TAB-FILLER	25	1	X	
6	CEMENT-UNIT-CODE	26	2	9(2)	
	TAB-FILLER	28	1	X	
7	CEMENT-AMOUNT	29	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	36	1	X	
8	CEMENT-TYPE-CODE	37	2	9(2)	
	TAB-FILLER	39	1		
9	CEMENT-TOP-DEPTH	40	8		
	TAB-FILLER	48	1		
10	CEMENT-BASE-DEPTH	49	8		

3.1.10 Record Type: 050 (Tour-Cores-Cut-Data)

The data provides information about the Cores that were cut during the drilling process at various intervals.

Record length: 62

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	CORE-NO	19	3	9(3)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	22	1	X	
4	CORE-DATE	23	8	9(8)	
	TAB-FILLER	31	1	X	
5	CORE-INTERVAL-TOP	32	7	9(4).9(2)	
	TAB-FILLER	39	1	X	
6	CORE-INTERVAL-BASE	40	7	9(4).9(2)	
	TAB-FILLER	47	1	X	
7	CORE-FLUID-CODE	48	2	9(2)	
	TAB-FILLER	50	1	X	
8	CORE-CODE	51	2	9(2)	
	TAB-FILLER	53	1	X	
9	CORE-LENGTH	54	8	S9(4).9(2)	Always a positive value, zero filled.

3.1.11 Record Type: 055 (Tour-Perforation/Treatment)

Data Interval, type, and number

Record length: 58

Estimated number of records: 2

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	

Element number	Element name	Starting position	Length	Format	Comments
3	PACKER-IND	19	1	9	1 = Perf & Treatment Data 2 = Packer Data
	TAB-FILLER	20	1	X	
4	OBS-NO	21	3	9(3)	
	TAB-FILLER	24	1	X	
5	PT-DATE	25	8	9(8)	
	TAB-FILLER	33	1	X	
6	PT-CODE	34	2	9(2)	If PACKER-IND = 1, see appendix 2 (operation type) If PACKER-IND = 2, see appendix 3 (packer codes)
	TAB-FILLER	36	1	X	
7	INTRVL-TOP	37	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	45	1	X	
8	INTRVL-BASE	46	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	54	1	X	
9	PT-SHOTS	55	3	S9(2)	Always a positive value, zero filled.

3.1.12 Record Type: 065 (Tour-Plug/Abandonment-Data)

Plug number, interval, plug setting, amount of cement and additives, slurry weights, time and depth the plug is felt, and drilled-out depth. Abandonment: details such as cutting of casing, cement cap, or welding on plate.

Record length: 136

Estimated number of records: 3

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	OBS-NO	19	2	9(2)	

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	21	1	X	
4	PBA-DATE	22	8	9(8)	
	TAB-FILLER	30	1	X	
5	PBA-RUN-TYPE	31	2	9(2)	
	TAB-FILLER	33	1	X	
6	DATA-IND-INTRVL-TOP	34	1	X	
	TAB-FILLER	35	1	X	
7	INTRVL-TOP	36	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	44	1	X	
8	INTRVL-BASE	45	8	S9(4).9(2)	Always a positive value, zero filled.
	TAB-FILLER	53	1	X	
9	CEMENT-UNIT-CODE	54	2	9(2)	
	TAB-FILLER	56	1	X	
10	PBA-CEMENT-AMT	57	7	S9(4).9	Always a positive value, zero filled.
	TAB-FILLER	63	1		
11	SURFACE-ABANDONMENT-METHOD	64	16		
	TAB-FILLER	80	1		
12	PLUG-TYPE	81	30		

Element number	Element name	Starting position	Length	Format	Comments
	TAB-FILLER	111	1		
13	PLUG-TYPE-PURPOSE	112	24		

3.1.13 Record Type: 070 (Well-Status-History-Data)

Previous well status; a combination of status elements: fluid, mode, type, and structure.

Record length: 37

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	WELL-STAT-DATE	19	8	9(8)	
	TAB-FILLER	27	1	X	
4	WELL-STAT-CODE	28	8	9(8)	See Appendix 7, 8, 9, 10 2017: removed the last 2 digits, which are obsolete and

now use the default 00

3.1.14 Record Type: 075 (Well-Completion-Data)

Completion data per well: packers, perforations, fracturing.

Record length: 33

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD-CODE`	15	3	9(3)	
	TAB-FILLER	18	1	X	
3	INITIAL-COMPL-INTRVL-TOP	19	7	9(4).99	
	TAB-FILLER	26	1	x	

4	INITIAL-COMPL-INTRVL-BOT	27	7	9(4).99				

3.1.15 Record Type: 080 (Wells-Deletion-Date)

Provides a list of wells that were deleted from our system; these UWI no longer exist and are usually as a result of a UWI change.

Record Length: 19

Estimated number of records: 1

Element number	Element name	Starting position	Length	Format	Comments
1	KEY-GENERAL				
	CPA-ID				
	LOC-DESC				
	TOWNSHIP	1	3	999	
	MERIDIAN	4	1	9	
	RNGE	5	2	99	
	SEC	7	2	99	
	LSD	9	2	99	
	LOC-EXCEPTION	11	2	XX	
	EVENT-SEQ	13	1	9	
	TAB-FILLER	14	1	X	
2	RECORD –CODE	15	3	X(3)	
	TAB-FILLER	18	1	X	

3	UPDATE-FLAG	19	1	X	D (delete)

Appendix 1 Occurrence (Incident) Type

Code	Description
10	Kick
20	Blow
30	Blowout
40	Lost Circulation
50	Water Flow
99	No Incident ENCT

Appendix 2 Operation Type

Code	Description
01	Bullet Perforation
02	Jet Perforation
03	Selective Bullet Perforation
04	Selective Jet Perforation
05	Abrasa-Jet Perforation
06	Permeator Perforation
07	Slotted Liner or Casing
08	Open-Hole Completion
09	Casing Vent Production
11	Acid Wash- No Pressure
12	Acid Squeeze - Press Used
21	Condensate Squeeze
22	Visqueeze
23	Chemical Squeeze
24	Alcohol Squeeze
31	Nitrogen Treatment
32	Steam Injection
33	Gravel Pack
41	Fractured
42	Multistage Fracture
43	Multistage Fracture – (port closed)
50	Resin-Gypsum Squeeze or Plug
51	Cement Plug
52	Cement Squeeze
53	Bridge Plug Capped W/Cement
54	Casing Patch (Over Perfs)
55	Bridge Plug No Cement Required
56	Remedial Casing
57	Packing Dev CPD W/Res-GYP CEM

Appendix 3 Packer Codes

Code	Description
01	Packer
02	Bridge plug
03	Cement retainer
04	Through tubing packer
05	Through tubing packing device
98	Historical

Appendix 4 AER Classification Codes

AER code	AER description
0	Development
01	Development Service
02	Outpost
03	Re-entry
04	Deeper Pool Test
05	New Pool Wildcat
06	New Field Wildcat
09	Other
10	Experimental
11	Evaluation (Oil Sands)
12	Test Hole
13	Evaluation
20	Development Incentive Exploratory Well (IEW)
21	Development Service IEW
22	Outpost IEW
24	Deeper Pool Test IEW
25	New Pool Wildcat IEW
26	New Field Wildcat IEW
29	Other IEW
30	Development Exploratory Gas Well (EGW)
31	Development Service EGW
32	Outpost EGW
34	Deeper Pool Test EGW
35	New Pool Wildcat EGW
36	New Field Wildcat EGW
39	Other EGW

Appendix 5 Licence Status

Licence status	Description
Abandoned	The well under this licence has been permanently dismantled in a manner prescribed by AER regulations.
Amended	A licence for which the terms or conditions have been updated at the licensee's request.
Cancelled	A licence for which construction or drilling has not commenced within a specific period, usually one year, of licence issuance.
Issued	A licence that has been granted for a specific site.
Re-entered	An abandoned well that a new licensee has taken over and plans to recomplete (the new licensee is issued a new well licence number for the same wellbore).
RecCertified	A licensed well that has been reclaimed according to the requirements of Alberta Environment and Parks.
RecExempt	A licensed well that Alberta Environment and Parks has exempted from meeting reclamation requirements (e.g., overlapping sites, "grandfathered" exemptions, sites not within Alberta Environment and Parks jurisdiction)
Rescinded	A well licence that has been made obsolete or removed.
Suspension	The temporary cessation of all operations and subsequent monitoring at a well in a manner prescribed by the AER.

Appendix 6 Confidential Flag

Confidential status	Description
1	Non-confidential
2	Confidential
3	Confidential Below

Appendix 7 Well Status Code 'Fluid' Table

Value	Short Description	Description
0	N/A	Not Applicable
1	CR-OIL	Crude Oil
2	GAS	*Gas*
3	OIL	Oil
4	G-W	Gas-Water
5	UND	Undesignated
6	WATER	Water
7	BRINE	Brine
8	WASTE	Waste
9	SOLV	Solvent
10	STEAM	Steam
11	AIR	Air
12	SYN-CR	Synthetic Crude
13	CO2	Carbon Dioxide
14	POLYM	Polymer
15	N2	Nitrogen
16	LPG	Liquid Petroleum Gas
17	CR-BIT	Crude Bitumen
18	COND	Condensate
19	OXYGEN	Oxygen
20	ACID-G	Acid Gas
22	CBMOT	Coalbed Methane-Coals & OTH Lith
23	CBMCLS	Coalbed Methane-Coals Only
24	SHGOT	Shale Gas & Other Sources
25	SHG	Shale Gas Only
26	CBMSOT	CBM & Shale & Other Sources
31	HELIUM	Helium
50	AN AMM	Anhydrous Ammonia
51	CR O/B	Crude Oil/BIT
52	NAPHTH	Naphtha
53	PROPNE	Propane
54	BUTANE	Butanes
55	ETHANE	Ethane
56	ETH +	Ethane Plus
57	PENT +	Pentanes Plus
58	DIESEL	Diesel Oil
59	ALKH2O	Alkaline Water
60	MICLAR	Micellar
61	SKIM O	Skim Oil
62	SK EM	Skim Emulsion
63	AMMNIT	Ammonium Nitrate
64	SRCWTE	Source Water
65	SAND	Sand

66	ENTGAS	Entrained Gas
98	MISC	Miscellaneous

Appendix 8 Well Status Code ‘Mode’ Table

Value	Description
0	Not Applicable
1	Suspended
2	Abandoned
3	Abandoned Zone
4	Abandoned & Re-Entered
5	Capped
6	Potential
7	Drilled and Cased
8	Junked & Abandoned
9	Closed
10	Flowing
11	Pumping
12	Gas Lift
13	Testing
14	Abandoned & Whipstocked
15	Drilling and Completing
16	Test Completed
17	Preset

Appendix 9 Well Status Code ‘Type’ Table

Value	Description
0	Not Applicable
1	Reproducer
2	Storage
3	Injection
4	Disposal
5	Observation
6	Training
7	Experimental
8	Farm
9	Industrial
10	Cyclical
11	Source
12	Steam Assis Gravity Drain
14	Linked to a Cavern

Appendix 10 Well Status Code ‘Structure’ Table

Value	Description
0	Not Applicable
2	Dual Zone
3	Triple Zone
4	Four Zone
5	Commingled
6	Drain

Appendix 11 Head-Lessor-MNL-Right-Ind

Value	Description
0	Null
1	Alberta Crown
2	Freehold
3	Both