Well Production Data

Detailed CSV Report Layout

November 2019

**Alberta Energy Regulator**Well Production Data

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# Introduction

## Overview

This document describes the file layout and contents of the Well Production Data detailed CSV product. The report provides basic well infrastructure information and volumetric information. The volumetric information can either be ordered as a summary or detailed report.

* Summary report provides annual and cumulative totals by well.
* Detailed report provides monthly and annual totals and ratios by well.

## Problem Resolution

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

* problems relating to distribution
* problems relating to data
* other problems

## Confidentiality

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

## Disclaimer

The AER

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

File Specification

|  |  |  |
| --- | --- | --- |
| Row 1 | Row 2 | Definitions |
| Textbox9 | Period of data provided in year range (yyyy to yyyy) |  |
| Textbox2 | Activity Type | Appendix 1 |
| Textbox4 | Product Type (by Activity Type) | Appendix 2 |

|  |  |  |
| --- | --- | --- |
| Row 4 | Row 5 | Definitions |
| tbxWellUWI | Well Id | Unique identifier for the well assigned by the AER to a licensed wellbore. This follows the format for Unique Well Identifiers in Alberta as defined by Appendix 2 of AER Directive 59. |
| tbxWellName | Well Name | The official well name as it appears on the well licence or an amendment thereof. |
| textbox5 | Licence Number | The pipeline licence number. |
| textbox10 | Field /Pool | Legal or common given name of the field. / The name of the pool. |
| textbox8 | Area/Deposit | Unique identifier for the oil sands area. Unique identifier for the oil sands deposit. |
| textbox11 | Operator code | A code which uniquely identifies the business associate that submits production data to the AER via Petrinex. All production data submitted to Petrinex is filed by the operator of the producing or injecting facility. |
| textbox31 | Allowable Type | Describes whether the well is subject to restrictions on the amount of production allowed within a month (allowable) and, if so, which type of allowable is used as the basis for allowable surveillance. |
| textbox35 | Recovery Mechanism Type | The recovery mechanism type used for production. |
| textbox37 | Block Number | The number that uniquely identifies a production block within a pool. Blocks are used for administering production allowable. |
| textbox33 | Approval Number | Board Approval Number associated to this production string. Normally this will only be one approval number, but it is possible to have multiple approval numbers due to overlapping schemes. If more than one approval Number exists for the Production String, this attribute will be populated with the text value "Multiple". |
| textbox19 | Well Status | The short description of the well status structure. This indicates if a well is capable of production from more than one zone, if more than one zone has been completed and if these zones have been commingled. |
| textbox21 | Well Status Date | The effective date for the status. |
| textbox40 | Production Status | A freeform description of the production string status that is based on values from the Status Mode and Status Fluid attributes.  The short description of the well status structure. This indicates if a well is capable of production from more than one zone, if more than one zone has been completed and if these zones have been commingled. |
| textbox16 | On Production Date | The date the production string came on production. |
| tbxWellConf | Well Confidentiality | Indicates that the well is confidential and some data (field, pool, depths, etc.) may only be available internally. |
| tbxExConf | Experimental confidentiality | Indicates that the reported activity is for an experimental scheme and that this data must be restricted to cleared personnel within the AER. |
| textbox18 | On Injection Date | Date that injection was first reported for the production string. |
| textbox13 | Well Confidentiality Release Date | Date that the current experimental confidential status is terminated. |
| textbox2 | Experimental Confidentiality Effect Date | Date that the current experimental confidential status is effective. Production and injection data reported for dates greater than or equal to this date are flagged with the current experimental confidential status. |
| textbox3 | Well ID | The Unique Sequence used to Identify a given production string on a target.  Unique Well Identifier (UWI) |
| textbox13 | Well Name | The official well name as it appears on the well licence or an amendment thereof. |
| textbox52 | Year | The calendar year, unless specified otherwise. |
| textbox30 | Activity Type | The type of volumetric activity reported. |
| textbox4 | Number of Hours | The number of hours for the given activity (Production or Injection) for the well in the time period. |
| textbox4 | Water volume | The volume of the water component within the reported waste stream. Volume is measure in M3. |
| textbox55 | Number of Hours | The number of hours for the given activity (Production or Injection) for the well in the time period. |
| textbox55 | Water volume | The total volume of the water component within the reported waste stream for a given activity. Volume is measure in M3. |
| textbox1 | January | Report category data for the month of January. |
| textbox57 | February | Report category data for the month of February. |
| textbox43 | March | Report category data for the month of March. |
| textbox44 | April | Report category data for the month of April. |
| textbox45 | May | Report category data for the month of May. |
| textbox31 | June | Report category data for the month of June. |
| textbox32 | July | Report category data for the month of July. |
| textbox33 | August | Report category data for the month of August. |
| textbox19 | September | Report category data for the month of September. |
| texbox20 | October | Report category data for the month of October. |
| textbox21 | November | Report category data for the month of November |
| ID12 | December | Report category data for the month of December. |

1. Activity Type

|  |  |
| --- | --- |
| Activity Type | Comment |
| All | (includes all Activity Types and all product type by activity type) |
| Disposition |  |
| Flare |  |
| Injection |  |
| Production |  |

1. Product Types by Activity Type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Disposition | Flare | Injection | Production | Receipt |
| Acid Gas | Butane Mix | Acid Gas | Brackish Water | Acid Gas |
| Brackish Water | Butane Spec | Air | Condensate | Brackish Water |
| Butane Mix | Entrained Gas | Brackish Water | Fresh Water | Butane Mix |
| Butane Spec | Ethane Mix | Butane Spec | Gas | Butane Spec |
| Carbon Dioxide | Ethane Spec | Carbon Dioxide | Oil | Carbon Dioxide |
| Carbon Dioxide Mix | Gas | Condensate | Sulphur | Carbon Dioxide Mix |
| Condensate | Pentane Mix | Entrained Gas | Synthetic Crude Oil | Condensate |
| Ethane Mix | Pentane Spec | Ethane | Water | Ethane Mix |
| Ethane Spec | Propane Mix | Fresh Water |  | Ethane Spec |
| Fresh Water | Propane Spec | Gas |  | Fresh Water |
| Gas | Sulphur | Nitrogen |  | Gas |
| Hexane Mix | Synthetic Crude Oil | Oil |  | Gas-Water |
| Hexane Spex |  | Propane Spec |  | Hexane Mix |
| Pentane Spec |  | Solvent Steam |  | Hexane Spex |
| Isobutane Mix |  | Waste |  | Isobutane Mix |
| Isobutane Spec |  | Water |  | Isobutane Spec |
| Isopentane Mix |  |  |  | Isopentane Mix |
| Lite Mix |  |  |  | Lite Mix |
| Methane Mix |  |  |  | Methane Mix |
| Nitrogen |  |  |  | Nitrogen |
| Normal Butane Mix |  |  |  | Normal Butane Mix |
| Normal Butane Spec |  |  |  | Normal Butane Spec |
| Normal Pentane Mix |  |  |  | Normal Pentane Mix |
| Oil |  |  |  | Oil |
| Pentane Mix |  |  |  | Pentane Mix |
| Pentane Spec |  |  |  | Pentane Spec |
| Propane Mix |  |  |  | Propane Mix |
| Propane Spec |  |  |  | Propane Spec |
| Solvent |  |  |  | Solvent |
| Steam |  |  |  | Steam |
| Sulphur |  |  |  | Sulphur |
| Sulphur Basepad |  |  |  | Synthetic Crude Oil |
| Sulphur Block |  |  |  | Waste |
| Sulphur Molten |  |  |  | Water |
| Sulphur Slate |  |  |  |  |
| Sulphur Spill |  |  |  |  |
| Synthetic Crude Oil |  |  |  |  |
| Waste |  |  |  |  |
| Water |  |  |  |  |