Well Production Data File

All Alberta

Layout Document

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**Alberta Energy Regulator**Well Production Data File – All Alberta

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# Introduction

## Overview

This document describes the physical characteristics and data contents of the Well Production Data File- All Alberta file. The files include all production and injection data by month for all Alberta wells from 1962 to present. Amendments are applied as they occur. Control data are current. Control data file includes selected control data (well name, field and pool codes interpretation etc.).

## New Subscribers

To become a subscriber of this product please email your request specifying product name and subscription frequency to informationrequest@aer.ca you will be asked to provide a letter of intent at the time of order.

## 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 relating to the subscription or distribution
* problems relating to data
* other problems

## Available Formats

This product is comprised of 2 TXT files (CONTROL.TXT and PRDHIST.TXT). Product is zipped prior to being uploaded to FTP site.

## 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

|  |  |
| --- | --- |
| File | Well Control Data Detail File |
| Availability | Monthly |
| Sort Sequence | Ascending Order by Record Type and Well Identifier |
| File Key | - Record Type- Well Identifier- Township- Meridian- Range- Section- Legal Subdivision- Location Exception- Event Sequence |

**Notes:**

This file provides current control data for any well that has ever reported production or injection volumes. All wells that are on the historical production/injection fluid data file will have control data on this file.

Some control data is represented by 'code tables'. Notes in the comments column of the record description will refer the user to the appendix section of the document, where the current valid values can be found.

Since tables are expected to be dynamic, updates to the appendices will be made as needed and will be forwarded to subscribers with the next update to the data files.

|  |  |
| --- | --- |
| File | Well Production/Injection History Detail File |
| Availability | Monthly |
| Sort Sequence | Ascending Order by Record Type and Well Identifier |
| File Key | - Record Type- Well Identifier- Township- Meridian- Range- Section- Legal Subdivision- Location Exception- Event Sequence |

**Notes:**

This file contains details of fluid production and/or injection activity (other activities such as flare, vent are not included in this product) for all wells in the Province of Alberta. Monthly and annual data are included for all wells operating since 1962 (see note in the introduction section of this manual).

This file contains data from 1962 to present.

Fluid data units of measurement depend on the fluid code:

* liquids are reported in cubic metres
* gases are reported in thousands of cubic metres

# Record Types

## Well Control Data Detail File- Well Control Data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Element Name | Start | Length | Format | Description |
| 1 | RECORD TYPE CODE | 1 | 1 | 9 | Value is '1' |
|  | TAB FILLER | 2 | 1 | X |  |
| 2 | WELL IDENTIFIER | 3 | 13 | X(13) | TWP-M-RG-SC-LS-LE-E |
|   | TAB FILLER | 16 | 1 | X |  |
| 3 | WELL NAME | 17 | 36 | X(36) | The official well name as it appears on the well licence or an amendment thereof. |
|   | TAB FILLER | 53 | 1 | X |  |
| 4 | UNIT CODE | 54 | 5 | X(5) | Mar 2012 - Element padded with blanks. DOE no longer provides data to AER. |
|   | TAB FILLER | 59 | 1 | X |  |
| 5 | UNIT NAME | 60 | 50 | X(50) | Mar 2012 - Element padded with blanks. DOE no longer provides data to AER. |
|   | TAB FILLER | 110 | 1 | X |  |
| 6 | UNIT PRODUCT CODE | 111 | 3 | X(3) | Mar 2012 - Element padded with 000.0000000. DOE no longer provides data to AER. |
|   | TAB FILLER | 114 | 1 | X |  |
| 7 | UNIT OIL INTEREST PERCENT | 115 | 11 | 9(3).9(7) | Mar 2012 - Element padded with 000.0000000. DOE no longer provides data to AER. |
|   | TAB FILLER | 126 | 1 | X |  |
| 8 | UNIT GAS INTEREST PERCENT | 127 | 11 | 9(3).9(7) | Mar 2012 - Element padded with 000.0000000. DOE no longer provides data to AER. |
|   | TAB FILLER | 138 | 1 | X |  |
| 9 | FIELD CODE | 139 | 4 | 9(4) | Unique identifier for the field. |
|   | TAB FILLER | 143 | 1 | X |   |
| 10 | FIELD NAME | 144 | 20 | X(20) | Legal or common given name of the field. |
|   | TAB FILLER | 164 | 1 | X |  |
| 11 | FIELD ABBREVIATION | 165 | 8 | X(8) | Common abbreviated field name.  |
|   | TAB FILLER | 173 | 1 |  X |  |
| 12 | POOL CODE | 174 | 7 | 9(7) | Unique identifier for the pool. |
|   | TAB FILLER | 181 | 1 | X |  |
| 13 | POOL NAME | 182 | 21 | X(21) | Legal or common given name of the pool.  |
|   | TAB FILLER | 203 | 1 | X |  |
| 14 | POOL ABBREVIATION | 204 | 13 | X(13) | Common abbreviated pool name. |
|  | TAB FILLER | 217 | 1 | X |  |
| 15  | BATTERY CODE | 218 | 11 | X(11) | Most current battery for well. A unique identifier for a battery or facility reporting production, injection or other volumetric activities |
|   | TAB FILLER | 229 | 1 | X |  |
| 16 | BATTERY TYPE CODE | 230 | 2 | X(2) | Type classifying the facility according to its physical equipment or principle service performed. See appendix #1 |
|  | TAB FILLER | 232 | 1 | X |  |
| 17 | BATTERY OPERATOR CODE | 233 | 4 | X(4) | A code which uniquely identifies the business associate that is identified as the operator for this facility. |
|  | TAB FILLER | 237 | 1 | X |  |
| 18 | AREA OFFICE OF BATTERY | 238 | 2 | 9(2) | The code used to identify the AER field centers or area offices. See appendix #2 |
|   | TAB FILLER | 240 | 1 | X |  |
| 19 | FIELD OR OS AREA OF BATTERY | 241 | 4 | X(4) | Field or area office code.  |
|   | TAB FILLER | 245 | 1 | X |  |
| 20 | FACILITY CODE | 246 | 11 | X(11) | Code to uniquely identifying the reporting facility. |
|   | TAB FILLER | 257 | 1 | X |  |
| 21 | FACILITY TYPE CODE | 258 | 2 | X(2) | Type classifying the facility according to its physical equipment or principle service performed. See appendix #3 |
|   | TAB FILLER | 260 | 1 | X |  |
| 22 | FACILITY OPERATOR CODE | 261 | 4 | X(4) | A code which uniquely identifies the business associate that submits production data to the AER. |
|  | TAB FILLER | 265 | 1 | X |  |
| 23 | AREA OFFICE OF FACILITY | 266 | 2 | 9(2) | The code used to identify the AER field centers or area offices. See appendix #2 |
|   | TAB FILLER | 268 | 1 | X |  |
| 24 | FIELD OR OS AREA OF FACILITY | 269 | 4 | X(4) | Field or area office code. |
|   | TAB FILLER | 273 | 1 | X |   |
| 25 | RECOVERY MECHANISM TYPE CODE | 274 | 2 | 9(2) | The recovery mechanism type used for production. See appendix #4 |
|   | TAB FILLER | 276 | 1 | X |  |
| 26 | PROJECT CODE | 277 | 3 | 9(3) |   |
|   | TAB FILLER | 280 | 1 | X |  |
| 27 | BLOCK CODE | 281 | 3 | 9(3) | The number that uniquely identifies a production block within a pool. Blocks are used for administering production allowable.  |
|   | TAB FILLER | 284 | 1 | X |  |
| 28 | PROD SPACING UNIT CODE | 285 | 3 | 9(3) | Defaulted to 000 |
|   | TAB FILLER | 288 | 1 | X |  |
| 29 | INTEGRATED SCHEME CODE | 289 | 3 | 9(3) | The type of scheme. Always 000 |
|  | TAB FILLER | 292 | 1 | X |  |
| 30 | WELL STATUS CODES |  |  |  | Comprised of fluid, mode, type and structure. |
|  | FLUID CODE | 293 | 2 | 9(2) | The primary fluid produced by the production string. See appendix #5 |
|   | TAB FILLER | 295 | 1 | X |  |
|   | MODE CODE | 296 | 2 | 9(2) | The mode of operation (status) of the production string. See appendix 6. |
|   | TAB FILLER | 298 | 1 | X |   |
|   | TYPE CODE | 299 | 2 | 9(2) | The purpose of the production string. See appendix 7. |
|  | TAB FILLER | 301 | 1 | X |  |
|   | STRUCTURE CODE | 302 | 2 | 9(2) | If a well is capable of production from more than one zone each production string will be assigned a structure code indicating that more than one zone has been completed and whether those zones have been commingled. See appendix 8. |
|  | TAB FILLER | 304 | 1 | X |  |
|   | FILLER | 305 | 22 | X(2) | Defaulted to 00. |
|  | TAB FILLER | 307 | 1 | X |  |
| 31 | WELL STATUS DATE | 308 | 8 | 9(8) | The effective date for the well status. |
|  | TAB FILLER | 316 | 1 | X |  |
| 32 | GAS WELL LIQUIDS CODE | 317 | 2 | 9(2) | The type of liquid hydrocarbon that is produced by this production string if it is classified as a gas well. These liquids are typically classified as either condensates or crude oil. See appendix 9. |
|  | TAB FILLER | 319 | 1 | X |  |
| 33 | GROUPED WELL FLAG | 320 | 1 | X | Defaulted to ‘N’ |
|  | TAB FILLER | 321 | 1 | X |  |
| 34 | PSEUDO WELL FLAG | 322 | 1 | X | Defaulted to ‘N’. |
|  | TAB FILLER | 323 | 1 | X |  |
| 35 | GROUPED TOTAL FLAG | 324 | 1 | X | Defaulted to ‘N’  |
|  | TAB FILLER | 325 | 1 | X |  |
| 36 | PENDING S-4 FLAG | 326 | 1 | X | Defaulted to ‘N’ |
|  | TAB FILLER | 327 | 1 | X |  |
| 37 | PA FLUID CODE | 328 | 2 | 9(2) | Defaulted to 00 |
|  | TAB FILLER | 330 | 1 | X |  |
| 38 | PA MODE CODE | 331 | 2 | 9(2) | Defaulted to 00 |
|  | TAB FILLER | 333 | 1 | X |  |
| 39 | PA TYPE CODE | 334 | 2 | 9(2) | Defaulted to 00 |
|  | TAB FILLER | 336 | 1 | X |  |
|  | FILLER | 337 | 6 | X(6) | Defaulted to six spaces |
|  | TAB FILLER | 343 | 1 | X |  |
| 40 | ALLOWABLE TYPE CODE | 344 | 2 | 9(2) | 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. See appendix #10 |
|  | TAB FILLER | 346 | 1 | X |  |
| 41 | CRUDE OIL DENSITY CODE | 347 | 2 | 9(2) | Density of crude oil produced by this production string. See appendix #11 |
|  | TAB FILLER | 349 | 1 | X |  |
| 42 | OFF TARGET FLAG | 350 | 1 | X | Indicates that the production string is subject to production penalties due to the fact that it is not in the correct location (target). |
|  | TAB FILLER | 351 | 1 | X |  |
| 43 | PENALTY RELIEF FLAG | 352 | 1 | X | A production string is subject to an allowable on their production will have the allowable production reduced further depending on the amount of gas and/or water produced but not conserved. If the gas and/or water are conserved, penalty relief will indicate that the allowable should not be further reduced (relief from the production penalty). See appendix 12. |
|  | TAB FILLER | 353 | 1 | X |  |
| 44 | SPECIAL PENALTY BASE FLAG | 354 | 1 | X | Defaulted to space |
|  | TAB FILLER | 355 | 1 | X |  |
| 45 | CONTROL WELL FLAG | 356 | 1 | X | Defaulted to ‘N’ |
|  | TAB FILLER | 357 | 1 | X |  |
| 46 | CONTROL WELL CREDITS FLAG | 358 | 1 | X | Defaulted to space |
|  | TAB FILLER | 359 | 1 | X |  |
| 47 | PSU SURPLUS FLAG | 360 | 1 | X | Production Spacing Unit FlagDefaulted to ‘N’ |
|  | TAB FILLER | 361 | 1 | X |  |
| 48 | SPECIAL PSU FLAG | 362 | 1 | X | Special Production Spacing Unit FlagDefaulted to ‘N’ |
|   | TAB FILLER | 363 | 1 | X |  |
| 48 | FILLER | 364 | 6 | X(6) | Defaulted to spaces |
|   | TAB FILLER | 370 | 1 | X |  |
| 49 | WELL CONFIDENTIALITY INDICATOR | 371 | 1 | 9 | Type of confidentiality assigned to the well. Non-Confidential, Confidential or Confidential below.  |
|   | TAB FILLER | 372 | 1 | X |   |
| 50 | ON PRODUCTION DATE | 373 | 8 | 9(8) | Date that production was first reported for the production string. |
|   | TAB FILLER | 381 | 1 | X |  |
| 51 | ON INJECTION DATE | 382 | 8 | 9(8) | Date that injection was first reported for the production string.  |
|   | TAB FILLER | 390 | 1 | X |  |
| 52 | DISPOSAL/INJECTION | 391 | 4 | 9(4) | The classification of an injection or disposal well. |
|   | DISPOSAL/INJECTION APPROV. AMEND. CODE | 395 | 1 | X | Number identifying the Disposal or Injection Approval assigned to this production string. |
|   | TAB FILLER | 396 | 1 | X |  |
| 53 | APPROVED WELLHEAD PRESSURE | 397 | 5 | 9(5) | Defaulted to 00000 |
|   | TAB FILLER | 402 | 1 | X |  |
| 54 | RATED WELLHEAD PRESSURE | 403 | 5 | 9(5) | Defaulted to 00000 |
|   | TAB FILLER | 408 | 1 | X |   |
| 55 | SET GAS/OIL RATIO | 409 | 5 | 9(5) | Derived Gas Oil Ratio (GOR).Defaulted to 00000 |
|   | TAB FILLER | 414 | 1 | X |  |
| 56 | SET GOR TEST DATE | 415 | 6 | 9(6) | Derived Gas Oil Ratio (GOR) test date.Defaulted to 000000 |
|  | TAB FILLER | 421 | 1 | X |  |
| 57 | SET GOR EXEMPTION CODE | 422 | 2 | X(2) | Defaulted to spaces |
|   | TAB FILLER | 424 | 1 | X |  |
| 58 | SATELLITE BATTERY LOCATION |   |   |   | An identifier for a satellite installation connected to a battery or facility. Defaulted to zeroes. |
|   | TOWNSHIP | 425 | 3 | 9(3) |  |
|   | MERIDIAN | 428 | 1 | 9 |  |
|   | RANGE | 429 | 2 | 9(2) |   |
|   | SECTION | 431 | 2 | 9(2) |  |
|   | LEGAL SUBDIVISION | 433 | 2 | X(2) |  |
|   | TAB FILLER | 435 | 1 | X |  |
| 59 | PRODUCTION TESTING FREQUENCY | 436 | 2 | X(2) | Mar 2012 – no longer populated. two spaces |

## Well Control Data Detail File- Control Audit Record

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Element Name | Start | Length | Format | Comments |
| 1 | RECORD TYPE | 1 | 1 | 9(1) | Value is '2' |
|  | TAB FILLER | 2 | 1 | X |  |
| 2 | RECORD COUNT | 3 | 5 | 9(5) | Total count of control records. |

## Well Production/Injection History Detail File- Injection History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Element Name | Start | Length | Format | Comments |
| 1 | RECORD TYPE CODE | 1 | 1 | 9 | Value is '1' |
|  | TAB FILLER | 2 | 1 | X |  |
| 2  | WELL IDENTIFIER | 3 | 13 | X(13) | TWP-M-RG-SC-LS-LE-E |
|  | TAB FILLER | 16 | 1 | X |  |
| 3  | FLUID YEAR | 17 | 4 | 9(4)  | The year production or injection was reported.  |
|  | TAB FILLER | 21 | 1 | X |   |
| 4  | PRODUCTION HOURS | 22 | 3 | 9(3) | Occurs 12 times – hours displayed for each month of the year |
|  | TAB FILLER |  | 1 | X |  |
| 5 | SEPARATOR PRESSURE  | 70 | 5 | 9(5) | Mar 2012 – no longer collected or populated.Occurs 12 times |
|  | TAB FILLER |  | 1 | X |  |
| 6  | INJECTION HOURS | 142 | 3 | 9(3) | Occurs 12 times – hours displayed for each month of the year |
|  | TAB FILLER |  | 1 | X |  |
| 7  | INJECTION PRESSURE  | 190 | 5 | 9(5) | Mar 2012 – no longer collected or populated.Occurs 12 times |
|  | TAB FILLER |  | 1 | X |  |
| 8  | SUB-RECORD-COUNT | 262 | 2 | 9(2) |  |
|  | TAB FILLER | 264 | 1 | X |  |
|  | Elements 9 through 13 occur up to 8 times, see note below. |  |  |  | Occurs 8 times |
| 9 | FLUID INJECTION OR PRODUCTION CODE | 237 | 1 | X |  |
|  | TAB FILLER |  | 1 | X |  |
| 10  | FLUID TYPE CODE |  | 2 | 9(2) | The type of fluid produced. See appendix 13. |
|  | TAB FILLER |  | 1 | X |  |
| 11  | FLUID ANNUAL VOLUME |  | 10 | 9(8).9 | The cumulative amount for the year up to and including the month for the prod string/activity type/fluid type. |
|  | TAB FILLER |  | 1 | X |   |
| 12  | FLUID CUMULATIVE VOLUME |  | 11 | 9(9).9 | The cumulative amount of fluid for the lifetime of the Field and Pool up to and including the given month/year. |
|  | TAB FILLER |  | 1 | X |  |
| 13 | FLUID VOLUME MONTH |  | 9 | 9(7).9 | The total quantity of the fluid produced for this month. Occurs 12 times |
|  | TAB FILLER |  | 1 | X |  |

Note: Elements numbered 9-13 occur up to 8 times, that is:

FLUID1 INJECTION OR PRODUCTION CODE, FLUID1 TYPE CODE, FLUID1 ANNUAL VOLUME, FLUID1 CUMULATIVE VOLUME, FLUID1 VOLUME MONTH 01…FLUID1 VOLUME MONTH 12 … up to… FLUID8 INJECTION OR PRODUCTION CODE, FLUID8 TYPE CODE, FLUID8 ANNUAL VOLUME, FLUID8 CUMULATIVE VOLUME, FLUID8 VOLUME MONTH 01…FLUID8 VOLUME MONTH 12)

## Well Production/Injection History Detail File- Fluid Audit Record

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Element Name | Start | Length | Format | Comments |
| 1 | RECORD TYPE | 1 | 1 | 9 | Value is '2' |
|  | TAB FILLER | 2 | 1 | X |  |
| 2 | RECORD COUNT | 3 | 7 | 9(7) | Total count of record type ‘2’ records. |

1. Battery Type Code Table

|  |  |
| --- | --- |
| Value | Description |
| 1 | Crude oil - Test |
| 2 | Crude oil - Group |
| 3 | Crude oil - Temporary |
| 4 | Crude oil - Proration |
| 5 | Crude oil - Permanent Single |
| 6 | Crude oil - Fieldgate/Satellite |
| 7 | Gas - Test |
| 8 | Gas - Group |
| 9 | Gas - Proration - SE Alta only |
| 10 | Gas - Proration - Effluent Measurement |
| 11 | Gas - Single |
| 12 | Crude bitumen - Group |
| 13 | Crude bitumen - Proration |
| 14 | Crude bitumen - Single |
| 15 | Crude bitumen - Temporary |

1. AER Area Office Code Table

|  |  |
| --- | --- |
| Value | Description |
| 02 | Whitecourt |
| 03 | Wainwright |
| 04 | Calgary |
| 05 | Bonnyville |
| 06 | Drayton Valley |
| 07 | Edmonton |
| 08 | Medicine Hat |
| 09 | Red Deer |
| 10 | Grande Prairie |

1. Facility Type Code Table

|  |  |
| --- | --- |
| Value  | Description |
| CP | Crude Pipeline |
| CT | Central Treating Plant |
| D | Distributors |
| GP | Gas Plants |
| IN | Injection |
| NP | NGL Pipeline |
| R | Refinery |
| SC | Sulphur Consignee |
| TE | Terminals |
| TR | Transporters |
| WP | Waste Plants |

1. Recovery Mechanism Type Code Table

|  |  |
| --- | --- |
| Value  | Description |
| 00 | Natural Depletion |
| 10 | Solvent Food |
| 20 | Water Flood |
| 21 | Water Flood Historical |
| 22 | Water Flood Historical |
| 23 | Water Flood Historical |
| 24 | Water Flood Historical |
| 25 | Water Flood Historical |
| 26 | Water Flood Historical |
| 27 | Water Flood Historical |
| 40 | Gas Flood |
| 50 | Partial Gas Flood  |
| 70 | Water & Solvent Flood  |

1. Well Status Code ‘Fluid’ Table

|  |  |
| --- | --- |
| Value | Description |
| 00 | Not Applicable |
| 01 | Crude Oil |
| 02 | Gas |
| 06 | Water |
| 07 | Brine |
| 08 | Waste |
| 09 | Solvent |
| 10 | Steam |
| 11 | Air |
| 13 | Carbon Dioxide |
| 15 | Nitrogen |
| 16 | Liquified Petroleum Gas |
| 17  | Crude Bitumen |
| 20 | Acid Gas |
| 22 | Coalbed Methane-Coals&Oth Lith |
| 23 | Coalbed Methane-Coals Only |
| 24 | Shale Gas & Other |
| 25 | Shale Gas Only |
| 26 | Cbm&Shale&Other Sources |

1. Well Status Code ‘Mode’ Table

|  |  |
| --- | --- |
| Value | Description |
| 00 | Not Applicable |
| 01 | Suspended |
| 02 | Abandoned |
| 03 | Abandoned Zone |
| 04 | Abandoned & Re-Entered |
| 06 | Potential |
| 07 | Drilling & Cased |
| 08 | Junked & Abandoned |
| 09 | Closed |
| 10 | Flowing |
| 11 | Pumping |
| 12 | Gas Lift |
| 13 | Testing |
| 14 | Abandoned & Whipstocked |
| 15 | Drilling & Completing |
| 16 | Test Completed |

1. Well Status Code ‘Type’ Table

|  |  |
| --- | --- |
| Value | Description |
| 00 | Not Applicable |
| 02 | Storage |
| 03 | Injection |
| 04 | Disposal |
| 05 | Observation |
| 06 | Training |
| 08 | Farm |
| 09 | Industrial |
| 10 | Cyclical |
| 11 | Source |
| 12 | Steam Assisted Gravity Drain |
| 14 | Linked To A Cavern |

1. Well Status Code ‘Structure’ Table

|  |  |
| --- | --- |
| Value | Description |
| 00 | Not Applicable |
| 05 | Commingled |
| 06 | Drain |

1. Gas Well Liquids Code Table

|  |  |
| --- | --- |
| Value | Description |
| 0 | Not applicable |
| 1 | Condensate |
| 2 | Oil |
| 3 | Condensate/Oil |
| 4 | Unconfirmed |

1. Allowable Type Code Table

|  |  |
| --- | --- |
| Value  | Description |
| 0 | Standard Allowable |
| 1 | Good Production Practice |
| 2 | Selective MRL |
| 3 | Special Allowable |
| 4  | Gas Allowable |
| 5 | Not Applicable |
| 6 | Special Rate Control Well |

1. Crude Oil Density Code Table

|  |  |
| --- | --- |
| Value | Description |
| 0 | Not applicable |
| 1 | Light-Medium Crude Oil |
| 2 | Heavy Crude |

1. Penalty Relief Flag

|  |  |
| --- | --- |
| Value | Description |
|  | Not applicable |
| B | Both Gas & Water Credits |
| G | Gas Credits |
| W | Water Credits |

1. Volumetric Fluid Code

|  |  |
| --- | --- |
| Value | Description |
| 02 | Gas |
| 03 | Oil |
| 05 | Undesignated |
| 06 | Water |
| 08 | Waste |
| 09  | Solvent |
| 10 | Steam |
| 11 | Air |
| 13 | Carbon Dioxide |
| 14 | Polymer |
| 15 | Nitrogen |
| 16 | Liquid Petroleum Gas |
| 18 | Condensate |
| 19 | Oxygen |
| 20 | Acid Gas |
| 50 | Anhydrous Ammonia |
| 51 | Crude Oil/Bitumen |
| 52 | Naphtha |
| 53 | Propane |
| 54 | Butane |
| 55 | Ethane |
| 56 | Ethane Plus |
| 57 | Pentane Plus |
| 60 | Micellar |
| 61 | Skim Oil |
| 62 | Skim Emulsion |
| 63 | Ammonium Nitrate |
| 64 | Source Water |
| 65 | Sand |
| 66 | Entrained Gas |
| 67 | Brackish Water |