



## **Completion Data Subscriptions**

Revised May 24, 2014

# Table of Contents

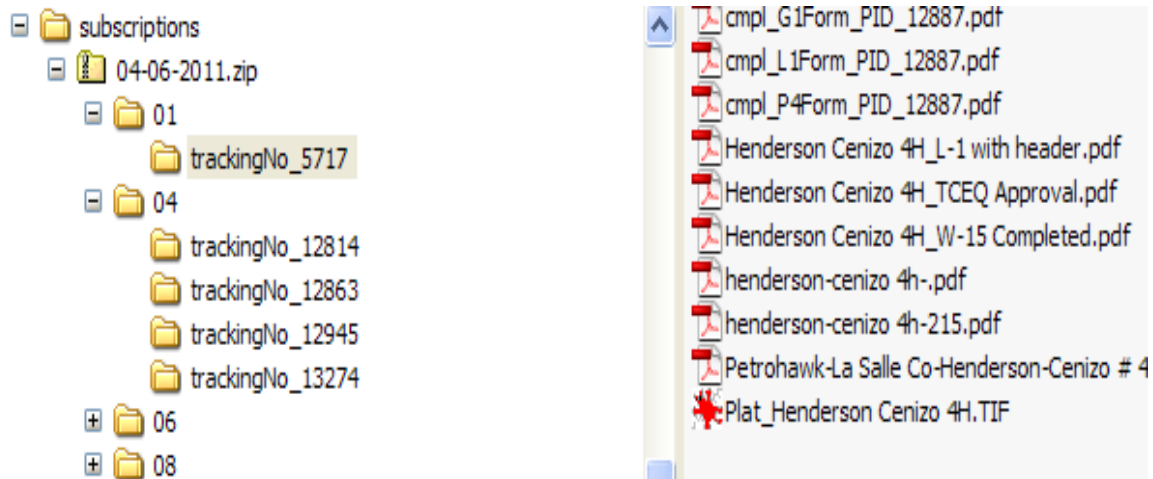
|  |    |
|--|----|
| Purpose  | 1  |
| Directory Hierarchy .....                            | 1  |
| Data Export Information                              | 2  |
| Data Definitions                                     | 3  |
| Header Line .....                                    | 3  |
| Packet Data .....                                    | 3  |
| Packet Workover or Reclass Data.....                 | 5  |
| G-1 Data .....                                       | 6  |
| Gas Measurement Data Table.....                      | 8  |
| G-1 Field Data and Pressure Calculations Table ..... | 9  |
| W-2 Data.....  | 9  |
| Amount and Kind of Material Used Table.....          | 11 |
| Multiple Completion Table .....                      | 12 |
| Liner Data Table .....                               | 12 |
| Casing Data Table.....                               | 13 |
| Production Interval Data Table .....                 | 13 |
| Tubing Data Table .....                              | 14 |
| Formation Data Table.....                            | 14 |
| P-4 Data.....  | 14 |
| P-4 Gas Gatherer Data Table.....                     | 15 |
| P-4 Oil Gatherer Data Table .....                    | 15 |
| L-1 Data.....  | 16 |
| P-15 Data .....                                      | 16 |
| G-5 Data .....                                       | 17 |
| G-10 Data .....                                      | 18 |
| W-12 Data.....                                       | 18 |
| Form / Attachment Types .....                        | 19 |

## Purpose

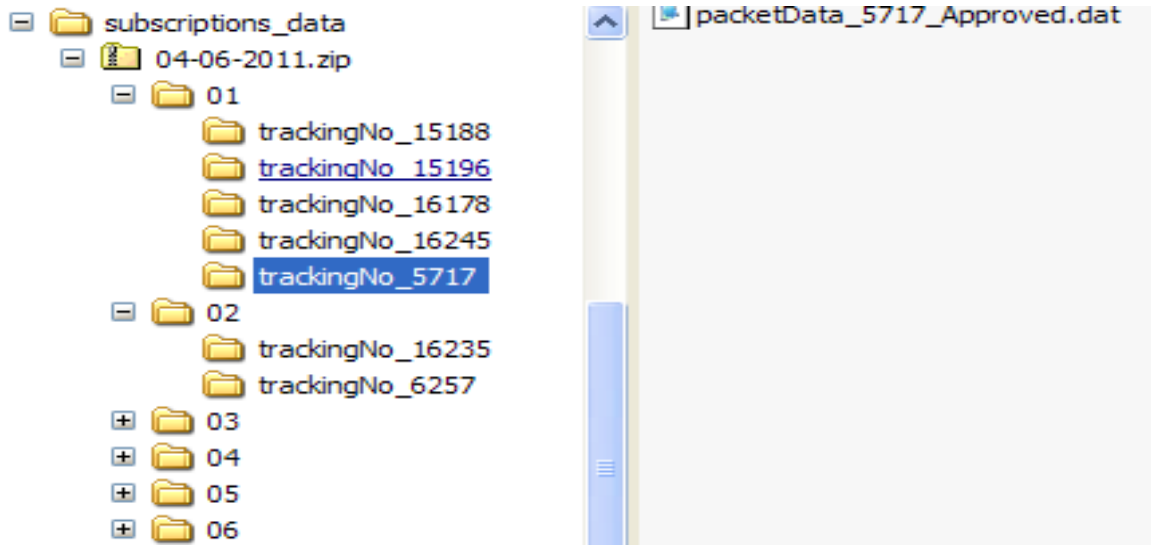
This document provides the directory structure, file format and data dictionary for Completions that are in a **Submitted** and **Approved** state. The image files are only for the Completions that were **Approved or Submitted** the previous day.

## Directory Hierarchy

Images reside in the same directory structure as before in the top-level directory called "**subscriptions**". The data for completions is found in the top-level directory called "**subscriptions\_data**". Each top-level directory contains a zip file. Within the zip file, the data is portioned by district. Some districts may not appear if no completions were submitted or approved for the process day. The following are examples of the contents of the zip files.



**This is an example of the expanded zip file 04-06-2011.zip. The files contained under the directory "subscriptions" contains only the images of the forms that make up an Approved completions along with any image attachments supplied by the filer. The image files can be of type TIF or PDF. Please note, "Submitted" images will be contained in folders named (with the template) trackingNo\_[number]\_submitted.**



**This is an example of the expanded zip file 04-06-2011.zip. The files contained under the directory "subscription\_data" contain only data files. All the data on the forms filed with the completion is contained in the data file. The data files can be of Approved or Submitted completions.**

## **Data Export Information**

|                 |  |
|-----------------|--|
| File Name(s)    | MM-DD-YYYY.zip ,<br>packetData_####_Approved.dat,<br>packetData_####_Submitted.dat |
| Export Format   | ASCII delimited file   |
| File Delimiter  | {  |
| Delivery Format | FTP  |

## Data Definitions

The following tables describe the type of data items that can be found in a data file.

### Header Line

| Column             | Description  |
|--------------------|--|
| Tracking Number    | Number used to track a Completion  |
| Form Listing       | Comma separated list of forms filed for the packet. See Forms/Attachments below for a full list.                       |
| Attachment Listing | Comma separated list of attachments and a count for each attachment type. See Forms/Attachments below for a full list. |

### Packet Data

| Column            | Type            | Definition  |
|-------------------|-----------------|---|
| PACKET            | String          | Tag describing the contents of the line.  |
| TRACKING_NO       | Long Int.       | Same for submitted and approved packets.  |
| PACKET_ID         | Long Int.       | Different for submitted and approved packets.   |
| SUBMIT_DT         | MM/DD/YYYY      | Date packet was submitted.  |
| APPROVED_DT       | MM/DD/YYYY      | Date packet was approved.   |
| OPERATOR_NO       | 6 Digit Integer | Filing operator.  |
| API_NO            | 8 Digit Integer |   |
| DP_NO             | 6 Digit Integer | Drilling Permit number.   |
| LEASE_NO          | 6 Digit Integer | 5 digits for Oil wells  |
| WELL_NO           | 6 Alphanumeric  |   |
| WELL_TYPE         | Integer         | Producing (1), Shut-In Producer (2), Active UIC (3), Shut-In UIC (4)  |
| PURPOSE_OF_FILING | Integer         | Initial Potential (1), Retest (2), Reclass Oil to Gas (3), Reclass Gas to Oil (4), Reclass Injection to Producing (5), Reclass Producing to Injection (6), Well Record Only (7) |
| COMPLETION_TYPE   | Integer         | New Well (1),   |

|                           |                    |   |
|---------------------------|--------------------|---|
|                           |                    | Deepening (2),<br>Plug Back (3),<br>Sidetrack (4),<br>Horizontal (5),<br>Reentry (6),<br>Other (7)  |
| RULE37_CASE_NO            | Integer            |   |
| WTR_INJCTN_PRMT_DT        | MM/DD/YYYY         | Water injection permit date   |
| WTR_INJCTN_PRMT_NO        | Integer            |   |
| SLTWTR_DSPSL_PRMT_DT      | MM/DD/YYYY         |   |
| SLTWTR_DSPSL_PRMT_NO      | Integer            |   |
| OTHER_PERMIT_DSCRPTN      | String             |   |
| OTHER_PERMIT_DATE         | MM/DD/YYYY         |   |
| OTHER_PERMIT_NO           | 8 digit<br>Integer |   |
| CMPL_OR_RECMPD_DATE       | MM/DD/YYYY         |   |
| FRMR_LEASE_NAME           | String             |   |
| FRMR_GAS_ID_OR_OIL_LSE_NO | 6 digit<br>Integer | 5 digits for Oil wells  |
| FRMR_GAS_ID_OR_OIL_LEASE  | String             |   |
| FIELD_NO                  | 8 digit<br>Integer |   |
| LEASE_NAME                | String             |   |
| DISTRICT                  | 2 characters       |   |
| COUNTY                    |                    | County FIPS Codes are shown.  |
| FIELD_NAME                | String             |   |
| SURVEY                    | String             |   |
| FRMR_WELL_NO              | String             |   |
| CMPL_PACKET_TYPE          | Integer            | G-1 (1) or W-2 (2)  |
| DIRECTION_NEAREST_TOWN    | String             |   |
| RULE37_CASE_DT            | MM/DD/YYYY         |   |
| FRMR_OPERATOR_NAME        | String             |   |
| LATITUDE                  | String             |   |
| LONGITUDE                 | String             |   |
| ELECTRIC_LOG_RUN          | Integer            | Induction only (1),<br>Resistivity only (2),<br>Acoustic logs (Sonic and Porosity logs) (3),<br>Neutron logs (4),<br>Density logs (5),<br>Neutron/Density logs (combo of tools) (6),<br>Acceptable cased hole logs (7),<br>Combo of<br>Induction/Neutron/Density (8),<br>Combo of<br>Induction/Neutron/Density/Sonic (9),<br>None (10), |

|                          |            |   |
|--------------------------|------------|---|
|                          |            | Gamma Ray (MWD) (11),<br>Other (99)   |
| DP_DT                    | MM/DD/YYYY |   |
| WELLBORE_PROFILE         | Integer    | Horizontal (1),<br>Directional (2),<br>Vertical (3),<br>Sidetrack (4),<br>Unknown (999) |
| TOTAL_ACRES              | Number     |   |
| NO_OF_PRODUCING_WELLS    | Integer    |   |
| NEAREST_WELL_DIST        | Number     |   |
| LATLONG_CODE             | Integer    | NAD 27 (1), NAD 83 (2),<br>WGS 84 (3), Other (4),<br>Unknown (5)                        |
| LATLONG_OTHER            | String     |   |
| OIL_GAS_TYPE_CODE        | Integer    | Gas Well (1), Oil Well (2)  |
| SURVEY_BLOCK             | String     |   |
| SURVEY_SECTION           | String     |   |
| SURVEY_ABSTRACT          | String     |   |
| UNIT_NO                  | Integer    |   |
| ELECTRIC_LOG_OTHER_DESC  | String     |   |
| FILING_METHOD_CODE       | Integer    | Online (1), Hardcopy (2)  |
| HORIZ_WELLBORE_TYPE_CODE | Number     | Production Sharing Agreement, (1)<br>Allocation, (2)<br>Stacked Lateral, (3)            |
| SPUD_DT                  | Date       | Added with SWR 13.  |
| DIST_DIRECTION_MILES     | Number     | Added with SWR 13.  |
| DIST_DIRECTION_DIRECTION | String     | Added with SWR 13.  |
| WORKOVER_ROW_COUNT       | Integer    |   |

### Packet Workover or Reclass Data

| Columns            | Type                 | Description   |
|--------------------|----------------------|---|
| PACKET_WORKOVER    | String               | Tag describing the contents of the line                       |
| TRACKING_NO        | Long Int.            | Same for submitted and approved packets.                      |
| PACKET_ID          | Long Int.            | Different for submitted and approved packets.                 |
| ROW_NO             | Integer              |   |
| FIELD_RESERVOIR    | String               |   |
| LEASE_NO           | 5 or 6 digit Integer |   |
| WELL_NO            | String               | Leading and trailing spaces are important.                    |
| WELL_TYPE          | Integer              | Gas Well (1) or Oil Well (2)                                  |
| DISTRICT           | String               |   |
| FIELD_NO           | 8 digit Integer      |   |
| PRIOR_SERVICE_CODE | Number               | Added with SWR 13.<br>Producing (1)<br>Injection/Disposal (2) |

|  |  |           |
|--|--|-----------|
|  |  | Other (3) |
|--|--|-----------|

### G-1 Data

| Column                    | Type       | Definition   |
|---------------------------|------------|--|
| G-1                       |            | Tag describing the contents of the line                                  |
| TRACKING_NO               | Long Int.  | Same for submitted and approved packets.                                 |
| PACKET_ID                 | Long Int.  | Different for submitted and approved packets.                            |
| G1_ID                     | Long Int.  |  |
| DATE_OF_TEST              | MM/DD/YYYY |  |
| TEST_GAS_PRODUCTION       |            |  |
| IS_DRY_GAS_WELL           | String     | Y, N   |
| GRAVITY_DRY_GAS           | Number     |  |
| GAS_HYDRO_RATIO           | Number     |  |
| AVG_SHUTIN_TEMP           | Number     |  |
| GRAVITY_HYDROCARBON       | Number     |  |
| GRAVITY_OF_MIXTURE        | Number     |  |
| BOTTOM_HOLE_TEMP          | Number     |  |
| BOTTOM_HOLE_DEPTH         | Number     |  |
| NOTICE_OF_INTENTION       | String     |  |
| NUMBER_OF_PRODUCING_WELLS | Integer    |  |
| ACRES_IN_LEASE            | Number     |  |
| WORK_COMMENCED_DT         | MM/DD/YYYY |  |
| WORK_COMPLETED_DT         | MM/DD/YYYY |  |
| DISTANCE_TO_NEAREST_WELL  | Number     |  |
| DISTANCE_TO_BNDRY_A       | Number     |  |
| DIRECTION_TO_BNDAY_A_CODE | Integer    | North (1), NE (2), NW (3), South (4), SE (5), SW (6), East (7), West (8) |
| DISTANCE_TO_BNDRY_B       | Number     |  |
| DIRECTION_TO_BNDRY_B_CODE | Integer    | North (1), NE (2), NW (3), South (4), SE (5), SW (6), East (7), West (8) |
| BOUNDARY_LEASE_NAME       | String     |  |
| ELEVATION                 | Number     |  |
| ELEVATION_CODE            | Integer    | GL(1),GR(2),DF(3), RT(4),RKB(5)  |
| WAS_DIRECT_SURVEY_MADE    | String     | Y, N   |



|                              |            |  |
|------------------------------|------------|--|
| TOP_OF_PAY                   | Number     |  |
| MEASURED_DEPTH               | Number     |  |
| VERTICAL_DEPTH               | Number     |  |
| PLUG_BACK_DEPTH              | Number     |  |
| CASING_DETR_FIELD_RULES      | String     | Y, N   |
| CASING_DETR_RECOMMEND_DT     | MM/DD/YYYY |  |
| CASING_DETR_RRC_DT           | MM/DD/YYYY |  |
| DRILLING_CONTRACTOR_NM       | String     |  |
| IS_MULTIPLE_COMPLETION       | String     | Y, N   |
| DID_PREFLOW_48_HOURS         | String     | Y, N   |
| PIPELINE_CONNECTION          | String     |  |
| ANY_CONDENSATE               | String     | Y, N   |
| REMARKS                      | String     |  |
| INTERVALS_DRILLED_BY_CODE    | Integer    | Rotary Tools (1), Cable Tools (2), Other (3) |
| SECTION_ONE_REMARKS          | String     |  |
| CEMENTING_AFFIDAVIT_ATTACHED | String     | Y, N   |
| AMOUNT_MATERIAL_REMARKS      | String     |  |
| FORM_CERTIFICATION           | String     | Y, N   |
| TESTER_NAME                  | String     |  |
| TESTER_COMPANY               | String     |  |
| INTERVALS_DRILLED_BY_OTHER   | String     |  |
| PROD_INTV_REMARK             | String     |  |
| TESTER_PHONE                 | String     |  |
| OP_IS_TESTER                 | String     | Y, N   |
| GMM_ORIFICE_METER            | String     | Y, N   |
| GMM_FLANGE_TAPS              | String     | Y, N   |
| GMM_POS_CHOKE                | String     | Y, N   |
| GMM_PIPE_TAPS                | String     | Y, N   |
| GMM_ORIFICE_VENT             | String     | Y, N   |
| GMM_PITOT_TUBE               | String     | Y, N   |
| GMM_CRITICAL_FLOW            | String     | Y, N   |
| BOTTOM_HOLE_PRESS            | Number     |  |
| IS_UNPERFORATED_CMPL         | String     | Y, N   |
| PLUG_BACK_DEPTH_TMD          | Number     |  |

|                                |         |  |
|--------------------------------|---------|--|
| TOP_OF_PAY_TMD                 | Number  |  |
| OFF_LEASE                      | String  | Y, N   |
| COMMINGLED                     | String  | Y, N   |
| INTERVAL_HYDROGEN_SULFIDE      | String  | Y, N   |
| HYDRAULIC_FRACKING_USED        | String  | Y, N   |
| HAS_FRACKING_DISCLOSURE        | String  | Y, N   |
| TUBING_REC_REMARKS             | String  | Added with SWR 13                            |
| SURFACE_CASING_ROTATION_TIME   | Integer | Added with SWR 13                            |
| CASING_DETR_RECOMMEND_DEPTH    | Number  | Added with SWR 13                            |
| CASING_DETR_SWR_13_DEPTH       | Number  | Added with SWR 13                            |
| IS_ACTUATION_VALVE_ON_WELL     | String  | Added with SWR 13. Y,N                       |
| PROD_CASE_PSIG_BEF_FRACK_TREAT | Integer | Added with SWR 13                            |
| HYDRAULIC_FRACKING_MAX_PSIG    | Integer | Added with SWR 13                            |
| CASING_DETR_SWR_13_EXCEP       | String  | Added with SWR 13. Y,N                       |
| CASING_DETR_RECOMMEND_GAU_GPD  | String  | Added with SWR 13. Y,N                       |
| ACTUATION_VALVE_ON_WELL_PSIG   | Number  | Added with SWR 13                            |
| GMM_MASS_FLOW_METER            | String  | Added with SWR 13. Y,N                       |
| GMM_OTHER                      | String  | Added with SWR 13. Y,N                       |
| MEASUREMENT_DATA_ROW_CNT       | Integer | Number of rows in Gas Measurement Table.     |
| AMOUNT_AND_MATERIAL_ROW_CNT    | Integer | Number of rows in Amount and Material Table. |
| FIELD_DATA_ROW_CNT             | Integer | Number of rows in Field Data Table.          |
| MULTI_CMPL_ROW_COUNT           | Integer | Number of rows in Multi-Completion Table.    |
| CASING_DATA_ROW_COUNT          | Integer | Number of rows in Casing Table               |
| LINER_DATA_ROW_COUNT           | Integer | Number of rows in Liner Table.               |
| TUBING_DATA_ROW_COUNT          | Integer | Number of rows in Tubing Table.              |
| PROD_INTRVL_DATA_ROW_CNT       | Integer | Number of rows in Producing Interval Table.  |
| FORMATION_DATA_ROW_CNT         | Integer | Number of rows in Formation Table.           |

### Gas Measurement Data Table

| Column               | Type      | Description                              |
|----------------------|-----------|--|
| G-1 Measurement Data | String    | Tag describing the contents of the line. |
| TRACKING_NO          | Long Int. | Same for submitted and approved packets. |
| PACKET_ID            | Long Int. | Different for submitted and approved     |

|                       |           |             |
|-----------------------|-----------|-------------|
|                       |           | packets.    |
| G1_ID                 | Long Int. | Parent Id.  |
| Row Number            | Integer   | Row number. |
| LINE_SIZE             | Number    |             |
| ORIFICE_CHOKE_SIZE    | Number    |             |
| TWENTYFOUR_HOUR_COEFF | Number    |             |
| STATIC_CHOKE_PRESS    | Number    |             |
| DIFF                  | Number    |             |
| FLOW_TEMP             | Number    |             |
| TEMP_FACTOR           | Number    |             |
| GRAVITY_FACTOR        | Number    |             |
| COMPRESS_FACTOR       | Number    |             |
| VOLUME                | Number    |             |

### G-1 Field Data and Pressure Calculations Table

| Columns            | Type      | Description                                   |
|--------------------|-----------|---|
| G-1 Field Data     | String    | Tag describing the contents of the line.      |
| TRACKING_NO        | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID          | Long Int. | Different for submitted and approved packets. |
| G1_ID              | Long Int. | Parent Id.                                    |
| ROW_NO             | String    | "SHUT-IN" or Integer                          |
| TIME_OF_RUN        | Integer   |   |
| CHOKE_SIZE         | String    | "OPEN", "ADJ", Number or fraction             |
| WELLHEAD_PRESS     | Integer   |   |
| WELLHEAD_FLOW_TEMP | Number    |   |

### W-2 Data

| Columns              | Type       | Description  |
|----------------------|------------|--|
| W-2                  |            | Tag describing the contents of the line.           |
| TRACKING_NO          | Long Int.  | Same for submitted and approved packets.           |
| PACKET_ID            | Long Int.  | Different for submitted and approved packets.      |
| W2_ID                | Long Int.  |  |
| DATE_OF_TEST         | MM/DD/YYYY |  |
| HOURS_TESTED         | Number     |  |
| PROD_METHOD          | Integer    | Flowing (1), Gas Lift(2), Jetting (3), Pumping (4) |
| PUMP_SIZE            | String     |  |
| PUMP_TYPE            | String     |  |
| CHOKE_SIZE           | String     |  |
| PROD_DURING_TEST_OIL | Number     |  |
| PROD_GAS             | Number     |  |
| PROD_FLOW_TUBE_PRESS | Number     |  |

|                           |                 |  |
|---------------------------|-----------------|--|
| PROD_WATER                | Number          |  |
| CALC_24HR_RATE_OIL        | Number          |  |
| CALC_GAS                  | Number          |  |
| CALC_CASING_PRESS         | Number          |  |
| CALC_WATER                | Number          |  |
| CALC_OIL_GRAVITY          | Number          |  |
| WAS_SWAB_USED             | String          | Y, N   |
| OIL_PROD_PRIOR_TEST       | Number          |  |
| INJECTION_RATIO           | Number          |  |
| REMARKS_PG1               | String          |  |
| NOTICE_OF_INTENTION       | String          |  |
| NUMBER_OF_PRODUCING_WELLS | Integer         |  |
| ACRES_IN_LEASE            | Number          |  |
| WORK_COMMENCED_DT         | MM/DD/YYYY<br>Y |  |
| WORK_COMPLETED_DT         | MM/DD/YYYY<br>Y |  |
| DISTANCE_TO_NEAREST_WELL  | Number          |  |
| DISTANCE_TO_BOUNDARY_A    | Number          |  |
| DIRECTION_TO_BNDRY_A_CODE | Integer         | North (1), NE (2), NW (3),<br>South (4), SE (5), SW (6),<br>East (7), West (8) |
| DISTANCE_TO_BOUNDARY_B    | Number          |  |
| DIRECTION_TO_BNDRY_B_CODE | Integer         | North (1), NE (2), NW (3),<br>South (4), SE (5), SW (6),<br>East (7), West (8) |
| BOUNDARY_LEASE_NAME       | String          |  |
| ELEVATION                 | Number          |  |
| ELEVATION_CODE            | Integer         | G L(1),GR (2),DF (3),RT (4),RKB<br>(5)   |
| WAS_DIRECT_SURVEY_MADE    | String          | Y, N   |
| TOP_OF_PAY                | Number          |  |
| MEASURED_DEPTH            | Number          |  |
| VERTICAL_DEPTH            | Number          |  |
| PLUG_BACK_DEPTH           | Number          |  |
| CASING_DETR_FIELD_RULES   | String          | Y, N   |
| CASING_DETR_RECOMMEND_DT  | MM/DD/YYYY<br>Y |  |
| CASING_DETR_RRC_DT        | MM/DD/YYYY<br>Y |  |
| DRILLING_CONTRACTOR_NM    | String          |  |
| IS_MULTIPLE_COMPLETION    | String          | Y, N   |
| CEMENTING_AFF_ATTACHED    | String          | Y, N   |
| REMARKS                   | String          |  |
| INTERVALS_DRILLED_BY_CODE | Integer         | Rotary Tools (1), Cable Tools (2),<br>Other (3)                                |
| AMOUNT_MATERIAL_REMARKS   | String          |  |
| FORM_CERTIFICATION_Y_N    | String          | Y, N   |

|                                |         |  |
|--------------------------------|---------|--|
| INTERVALS_DRILLED_BY_OTHER     | String  |  |
| PROD_INTV_REMARK               | String  |  |
| IS_UNPERFORATED_CMPL           | String  | Y, N   |
| PLUG_BACK_DEPTH_TMD            | Number  |  |
| TOP_OF_PAY_TMD                 | Number  |  |
| OFF_LEASE                      | String  | Y, N   |
| TESTER_NAME                    | String  |  |
| TESTER_COMPANY                 | String  |  |
| TESTER_PHONE                   | String  |  |
| OP_IS_TESTER                   | String  | Y, N   |
| COMMINGLED                     | String  | Y, N   |
| INTERVAL_HYDROGEN_SULFIDE      | String  | Y,N  |
| HYDRAULIC_FRACKING_USED        | String  | Y, N   |
| HAS_FRACKING_DISCLOSURE        | String  | Y, N   |
| TUBING_REC_REMARKS             | String  | Added with SWR 13.                                     |
| TUBING_REC_SWR13_EXCEPTION     | String  | Added with SWR 13. Y, N                                |
| SURFACE_CASING_ROTATION_TIME   | Number  | Added with SWR 13.                                     |
| CASING_DETR_RECOMMEND_DEPTH    | Number  | Added with SWR 13.                                     |
| CASING_DETR_SWR_13_DEPTH       | Number  | Added with SWR 13.                                     |
| IS_ACTUATION_VALVE_ON_WELL     | String  | Added with SWR 13. Y, N                                |
| PROD_CASE_PSIG_BEF_FRACK_TREAT | Integer | Added with SWR 13.                                     |
| HYDRAULIC_FRACKING_MAX_PSIG    | Integer | Added with SWR 13.                                     |
| CASING_DETR_SWR_13_EXCEP       | String  | Y, N   |
| CASING_DETR_RECOMMEND_GAU_GPD  | String  | Added with SWR 13. Y, N                                |
| ACTUATION_VALVE_ON_WELL_PSIG   | Number  | Added with SWR 13.                                     |
| AMOUNT_AND_MATERIAL_CNT        | Integer | Number of rows in the Amount and Materials Data Table. |
| MULTI_CMPL_ROW_COUNT           | Integer | Number of rows in the Multi-Completion Table.          |
| CASING_DATA_ROW_CNT            | Integer | Number of rows in the Casing Data Table.               |
| LINER_DATA_ROW_CNT             | Integer | Number of rows in the Liner Data Table.                |
| TUBING_DATA_ROW_CNT            | Integer | Number of rows in the Tubing Data Table                |
| PROD_INTERVAL_DATA_ROW_CNT     | Integer | Number of rows in the Production Interval Data Table.  |
| FORMATION_DATA_ROW_CNT         | Integer | Number of rows in Formation Table.                     |

### Amount and Kind of Material Used Table

| Columns  | Type      | Description                              |
|--|-----------|--|
| G-1 Amount And Material Data or W-2 Amount And Material Data | String    | Tag describing the contents of the line. |
| TRACKING_NO  | Long Int. | Same for submitted and approved          |

|                           |           |  |
|---------------------------|-----------|--|
|                           |           | packets.   |
| PACKET_ID                 | Long Int. | Different for submitted and approved packets.  |
| G1_ID or W2_ID            | Long Int. | Parent Id.   |
|                           |           |  |
| ROW_NO                    | Integer   |  |
| FROM                      | Number    |  |
| TO                        | Number    |  |
| MATERIAL_USED             | String    |  |
| AMT_MATERIAL_PROCESS_CODE |           | Added with SWR 13.<br>Acid (1)<br>Fracture (2)<br>Cement Squeeze (3)<br>Cast Iron Bridge Plug (4)<br>Retainer (5)<br>Other (6) |

### Multiple Completion Table

| Columns  | Type                    | Description                                |
|--|-------------------------|--|
| G-1 Multi-Completion Data<br>W-2 Multi-Completion Data | String                  | Tag describing the contents of the line.   |
| TRACKING_NO  | Long Int.               |  |
| PACKET_ID  | Long Int.               |  |
| G1_ID or W2_ID   | Long Int.               |  |
| ROW_NO   | Integer                 |  |
| FIELD_RESERVOIR  | String                  |  |
| LEASE_NO   | 5 or 6 Digit<br>Integer |  |
| WELL_TYPE  | Integer                 | Gas Well (1) or Oil Well (2)               |
| WELL_NO  | String                  | Leading and trailing spaces are important. |

### Liner Data Table

| Columns                             | Type      | Description                                   |
|-------------------------------------|-----------|---|
| G-1 Liner Data or<br>W-2 Liner Data | String    | Tag describing the contents of the line.      |
| TRACKING_NO                         | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID                           | Long Int. | Different for submitted and approved packets. |
| G1_ID                               | Long Int. |   |
| ROW_NO                              | Integer   |   |
| SIZE                                | String    | Inches and fractions                          |
| TOP                                 | Integer   |   |
| BOTTOM                              | Integer   |   |
| SACKS_OF_CEMENT                     | Integer   |   |
| SCREEN                              | String    |   |
| HOLE_SIZE                           | String    | Added with SWR 13. Inches and fractions       |

|                           |         |  |
|---------------------------|---------|--|
| TYPE_OF_CEMENT            | String  | Added with SWR 13.   |
| SLURRY_VOLUME             | Number  | Added with SWR 13.   |
| TOP_CEMENT_DETERMINE_CODE | Integer | Added with SWR 13.<br>Calculation (1)<br>Temperature Survey (2)<br>Cement Evaluation Log (3)<br>Circulated (4) |
| TOP_OF_CEMENT             | Integer | Added with SWR 13.   |

### Casing Data Table

| Columns                            | Type      | Description  |
|------------------------------------|-----------|--|
| G-1 Casing Data or W-2 Casing Data | String    | Tag describing the contents of the line.   |
| TRACKING_NO                        | Long Int. | Same for submitted and approved packets.   |
| PACKET_ID                          | Long Int. | Different for submitted and approved packets.  |
| G1_ID or W2_ID                     | Long Int. | Parent Id.   |
| ROW_NO                             | Integer   |  |
| CASING_SIZE                        | String    | Inches and fractions   |
| WEIGHT_LB_PER_FOOT                 | Number    |  |
| WEIGHT_LB_PER_FOOT2                | Number    |  |
| DEPTH_SET                          | Integer   |  |
| MULTISTAGE_TOOL_DEPTH              | Integer   |  |
| TYPE_OF_CEMENT                     | String    |  |
| AMOUNT_OF_CEMENT                   | Integer   |  |
| HOLE_SIZE                          | String    | Inches and fractions   |
| TOP_OF_CEMENT                      | String    |  |
| SLURRY_VOLUME                      | Number    |  |
| CASING_TYPE_CODE                   | Number    | Added with SWR 13.<br>Conductor (1)<br>Surface (2)<br>Intermediate (3)<br>Conventional Production (4)<br>Tapered Production (5)<br>Other (6) |
| MULTI_STAGE_SHOE_DEPTH             | Integer   | Added with SWR 13.   |
| TOP_CEMENT_DETERMINE_CODE          | Number    | Added with SWR 13.<br>Calculation (1)<br>Temperature Survey (2)<br>Cement Evaluation Log (3)<br>Circulated (4)                               |

### Production Interval Data Table

| Columns  | Type      | Description                              |
|--|-----------|--|
| G-1 Production Interval Data or W-2 Production Interval Data | String    | Tag describing the contents of the line. |
| TRACKING_NO  | Long Int. | Same for submitted and approved packets. |

|                   |           |  |
|-------------------|-----------|--|
| PACKET_ID         | Long Int. | Different for submitted and approved packets.  |
| G1_ID or W2_ID    | Long Int. | Parent Id.   |
| ROW_NO            | Integer   |  |
| FROM              | Integer   |  |
| TO                | Integer   |  |
| BOTTOM_HOLE_LABEL | Integer   | Vertical(1), Horizontal(2), Directional(3), Sidetrack(4), Ports(5), N/A(6)   |
| LATERAL_LABEL     | Integer   | Lateral 1(1), Lateral 2(2), Lateral 3(3), Lateral 4(4), Lateral 5(5), Lateral 6(6), Lateral 7(7), Lateral 8(8), Lateral 9(9) |
| OPEN_HOLE         | String    | Y, N   |

### Tubing Data Table

| Columns                            | Type      | Description                                   |
|------------------------------------|-----------|---|
| G-1 Tubing Data or W-2 Tubing Data | String    | Tag describing the contents of the line.      |
| TRACKING_NO                        | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID                          | Long Int. | Different for submitted and approved packets. |
| W2_ID                              | Long Int. | Parent Id.                                    |
| ROW_NO                             | Integer   |   |
| TUBING_SIZE                        | String    | Inches and fractions                          |
| DEPTH_SET                          | Integer   |   |
| PACKER_SET                         | Integer   |   |
| PACKER_TYPE                        | String    | Added with SWR 13.                            |

### Formation Data Table

| Columns                                  | Type      | Description                                   |
|--|-----------|---|
| G-1 Formation Data or W-2 Formation Data | String    | Tag describing the contents of the line.      |
| TRACKING_NO                              | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID                                | Long Int. | Different for submitted and approved packets. |
| W2_ID or G1_ID                           | Long Int. | Parent Id.                                    |
| ROW_NO                                   | Integer   |   |
| FORMATION                                | String    |   |
| DEPTH                                    | Integer   |   |
| DEPTH_TMD                                | Integer   | Horizontal wells only.                        |
| USER_ENCOUNTERED                         | String    | Added with SWR 13. Y, N                       |
| USER_REMARK                              | String    | Added with SWR 13.                            |
| USER_ISOLATED                            | String    | Added with SWR 13. Y, N                       |

### P-4 Data

| Columns     | Type      | Description                              |
|-------------|-----------|--|
| P-4         |           | Tag describing the contents of the line. |
| TRACKING_NO | Long Int. | Same for submitted and approved packets. |



|                            |            |  |
|----------------------------|------------|--|
| PACKET_ID                  | Long Int.  | Different for submitted and approved packets.  |
| P4_ID                      | Long Int.  |  |
| CLASSIFICATION             | String     | O=Oil, G=Gas, X=UIC or UIC Shut-in   |
| FILING_DUE_TO_CODE         | Integer    | New Completion or Recompletion (1),<br>Reclass oil to gas (2),<br>Reclass gas to oil (3),<br>"Consolidation, unitization, or subdivision" (4),<br>None (5) |
| OPERATOR_CERTIFICATION     | String     | Y, N   |
| EFFECTIVE_DT               | MM/DD/YYYY |  |
| TEMP_ABANDONED             | String     | Y, N   |
| UNPERFORATED_NOT_COMPLETED | String     | Y, N   |
| SERVICE_WELL               | String     | Y, N   |
| GAS_GATHERER_ROW_CNT       | Integer    | Number of rows in Gas Gatherer Table.  |
| OIL_GATHERER_ROW_CNT       | Integer    | Number of rows in Oil Gatherer Table.  |

#### **P-4 Gas Gatherer Data Table**

| <b>Columns</b>        | <b>Type</b>     | <b>Description</b>  |
|-----------------------|-----------------|---|
| P-4 Gas Gatherer Data | String          | Tag describing the contents of the line.  |
| TRACKING_NO           | Long Int.       | Same for submitted and approved packets.  |
| PACKET_ID             | Long Int.       | Different for submitted and approved packets.   |
| P4_ID                 | Long Int.       | Parent Id.  |
| ROW_NO                | Integer         |   |
| GATHERER              | String          | Y, N  |
| PURCHASER             | String          | Y, N  |
| OPERATOR_NAME         | String          |   |
| RRC_CODE              | String          | RRC System purchaser code.  |
| PERCENT_OF_TAKE       | Number          |   |
| FULL_WELL_STREAM      | String          | Y, N  |
| OPERATOR_NO           | 6 digit Integer |   |
| PRODUCT_CODE          | String          | FULL-WELL-STREAM (F)<br>GAS-WELL-GAS (G)<br>CONDENSATE (H)<br>OIL (O)<br>CASING-GAS (P) |

#### **P-4 Oil Gatherer Data Table**

| <b>Columns</b>        | <b>Type</b>  | <b>Description</b>                       |
|-----------------------|--------------|--|
| P-4 Oil Gatherer Data | String       | Tag describing the contents of the line. |
| TRACKING_NO           | Long Integer | Same for submitted and approved packets. |
| PACKET_ID             | Long Integer | Different for submitted and approved     |

|                 |                |   |
|-----------------|----------------|---|
|                 |                | packets.  |
| P4_ID           | Long Integer   | Parent Id.  |
| ROW_NO          | Integer        |   |
| OPERATOR_NAME   | String         |   |
| PERCENT_OF_TAKE | Number         |   |
| OPERATOR_NO     | 6 char Integer | Leading zeros.  |
| PRODUCT_CODE    | String         | FULL-WELL-STREAM (F)<br>GAS-WELL-GAS (G)<br>CONDENSATE (H)<br>OIL (O)<br>CASING-GAS (P) |

### L-1 Data

| Columns                         | Type      | Description                                   |
|---------------------------------|-----------|---|
| L-1                             | String    | Tag describing the contents of the line.      |
| TRACKING_NO                     | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID                       | Long Int. | Different for submitted and approved packets. |
| L1_ID                           | Long Int. |   |
| ELECTRIC_LOG_NOT_RUN            | String    | Y, N  |
| ELECTRIC_LOG_RUN                | String    | Y, N  |
| CONFIDENTIALITY_REQUESTED       | String    | Y, N  |
| CONFIDENTIALITY_ALREADY_GRANTED | String    | Y, N  |
| LOG_ON_FILE                     | String    | Y, N  |
| LOG_ATTACHED_TO                 | String    | Y, N  |
| TO_FORM_L1                      | String    | Y, N  |
| TO_FORM_P7                      | String    | Y, N  |
| TO_FORM_W4                      | String    | Y, N  |
| COMPANY_LEASE_NAME              | String    |   |
| LOG_WAS_HELD_CONFIDENTIAL       | String    | Y, N  |
| LEASE_NUMBERS                   | String    |   |
| WELL_NUMBERS                    | String    |   |
| FORM_CERTIFICATION              | String    | Y, N  |

### P-15 Data

| Columns                | Type      | Description                                   |
|------------------------|-----------|---|
| P-15                   | String    | Tag describing the contents of the line.      |
| TRACKING_NO            | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID              | Long Int. | Different for submitted and approved packets. |
| P15_ID                 | Long Int. |   |
| OPERATOR_CERTIFICATION | String    | Y, N  |
| FORM_CERTIFICATION     | String    | Y, N  |
| PLAT_ACRES             | Number    |   |

## G-5 Data

| Columns                 | Type       | Description   |
|-------------------------|------------|---|
| G-5                     | String     | Tag describing the contents of the line.  |
| TRACKING_NO             | Long Int.  | Same for submitted and approved packets.  |
| PACKET_ID               | Long Int.  | Different for submitted and approved packets.   |
| G5_ID                   | Long Int.  |   |
| OIL_COND_VOLUME         | Number     |   |
| WATER_VOLUME            | Number     |   |
| CASING_PRESSURE         | Number     |   |
| SEP_OP_PRESSURE         | Number     |   |
| COLOR_LIQUID_CODE       | Integer    | Clear (1), Straw (2), Dark Straw (3), Pale Yellow (4), Yellow (5), Brown (6), Black (7), Green (8), Light Straw (9), White (10) |
| GRAVITY_SEP_LIQUID      | Number     |   |
| GRAVITY_STK_LIQUID      | Number     |   |
| LIQUID_SAMPLE_DT        | MM/DD/YYYY |   |
| WHERE_OBTAINED_CODE     | Integer    | Separator (1), Stock Tank (2)   |
| INITIAL_BOILING_TEMP    | Number     |   |
| OVER_10P_TEMP           | Number     |   |
| OVER_20P_TEMP           | Number     |   |
| OVER_30P_TEMP           | Number     |   |
| OVER_40P_TEMP           | Number     |   |
| OVER_50P_TEMP           | Number     |   |
| OVER_60P_TEMP           | Number     |   |
| OVER_70P_TEMP           | Number     |   |
| OVER_80P_TEMP           | Number     |   |
| OVER_90P_TEMP           | Number     |   |
| OVER_95P_TEMP           | Number     |   |
| END_POINT_TEMP          | Number     |   |
| TOTAL_RECOVERY          | Number     |   |
| RESIDUE                 | Number     |   |
| LOSS                    | Number     |   |
| DATE_OF_TEST_DT         | MM/DD/YYYY |   |
| GAS_VOLUME              | Number     |   |
| GAS_HYDRO_RATIO         | Number     |   |
| FLOWING_TUBING_PRESSURE | Integer    |   |
| CHOKE_SIZE              | String     | Integer and fraction  |
| SI_WELLHEAD_PRESSURE    | Integer    |   |
| SPECIFIC_GRAVITY        | Number     |   |
| PIPELINE_CONNECTION     | String     |   |
| FORM_CERTIFICATION      | String     | Y, N  |

|                          |         |   |
|--------------------------|---------|---|
| PACKET_PURPOSE_OF_FILING | Integer | Initial Potential (1), Retest (2),<br>Reclass Oil to Gas (3) ,<br>Reclass Gas to Oil (4),<br>Reclass Injection to Producing (5),<br>Reclass Producing to Injection (6),<br>Well Record Only (7) |
| PVT                      | String  | Pressure, Volume, Temperature (Y, N)  |

### G-10 Data

| Columns              | Type       | Description   |
|----------------------|------------|---|
| G-10                 | String     | Tag describing the contents of the line.                    |
| TRACKING_NO          | Long Int.  | Same for submitted and approved packets.                    |
| PACKET_ID            | Long Int.  | Different for submitted and approved packets.               |
| G10_ID               | Long Int.  |   |
| REASON_CODE          | Integer    | Survey (1), Initial Test (2), Retest (3),<br>Correction (4) |
| DUE_DT               | MM/DD/YYYY |   |
| EFFECTIVE_DT         | MM/DD/YYYY |   |
| COND_PRODUCED        | Number     |   |
| COND_GRAVITY         | Number     |   |
| WATER_PRODUCED       | Number     |   |
| XBHOLE_PRESSURE      | Integer    |   |
| FORM_CERTIFICATION   | String     | Y, N  |
| DATE_TESTED          | MM/DD/YYYY |   |
| TESTER_NAME          | String     |   |
| TESTER_COMPANY       | String     |   |
| GAS_PROD_DURING_TEST | Integer    |   |
| GRAVITY_DRY_GAS      | Number     |   |
| SIWH_PRESSURE        | Integer    |   |
| FLOWING_PRESSURE     | Integer    |   |
| TESTER_PHONE         | String     |   |

### W-12 Data

| Columns                | Type      | Description                                   |
|------------------------|-----------|---|
| W-12                   | String    | Tag describing the contents of the line.      |
| TRACKING_NO            | Long Int. | Same for submitted and approved packets.      |
| PACKET_ID              | Long Int. | Different for submitted and approved packets. |
| W12_ID                 | Long Int. |   |
| SHOT_POINT_500FT       | String    | Y, N  |
| SHOT_POINTS_1000FT     | String    | Y, N  |
| LAST_SHOT_POINT_1000FT | String    | Y, N  |
| BORE_DISPLACEMENT_1    | Number    |   |
| BORE_DISPLACEMENT_2    | Number    |   |
| NEAREST_LEASE_LINE     | Number    |   |
| WAS_WELL_DEVIATED      | String    | Y,N   |

|                    |        |      |
|--------------------|--------|------|
| YES_REMARKS        | String |      |
| REMARKS            | String |      |
| FORM_CERTIFICATION | String | Y, N |

### Form / Attachment Types

| Name                               | Type       | Description  |
|------------------------------------|------------|--|
| Packet Data                        |            | Common data across all forms.  |
| G-1                                | Form       | G-1 Gas Well Back Pressure Test Completion or Re-completion Report and Log |
| G-5                                | Form       | G-5 Gas Well Classification Report   |
| G-10                               | Form       | G-10 Gas Well Status Report  |
| L-1                                | Form       | L-1 Electric Log Status Report   |
| P-4 Data                           | Form       | P-4 Certificate of Compliance and Transportation Authority                 |
| P-12                               | Attachment | P-12 Certificate of Pooling Authority                                      |
| P-15                               | Form       | P-15 Statement of Productivity of Acreage                                  |
| W-2                                | Form       | W-2 Oil Well Potential Test, Completion or Recompletion Report, and Log    |
| W-12                               | Form       | W-12 Inclination Report  |
| W-15                               | Attachment | W-15 Cementing Report  |
| Plat                               | Attachment | Plat/Survey  |
| W-4                                | Attachment | W-4 Application for Multiple Completion                                    |
| W-4A                               | Attachment | W-4A Sketch of Multiple Completion   |
| L-1 Header                         | Attachment | L-1 Electric Log Header  |
| L-1 Log                            | Attachment | L-1 Electric Log Report  |
| TCEQ                               | Attachment | TCEQ Water Board Letter  |
| W-5                                | Attachment | W-5 Packer Setting Report  |
| W-6                                | Attachment | W-6 Communication/Packer Leakage Test                                      |
| W-7                                | Attachment | W-7 Bottom-hole Pressure Report  |
| W-12                               | Attachment | W-12 Record of Inclination   |
| Circular Graph                     | Attachment | Circular Graph   |
| Wellbore Schematic                 | Attachment | Wellbore Schematic   |
| Other                              | Attachment | Any other miscellaneous attachment   |
| Proration Acreage List             | Attachment | Proration Acreage List   |
| SWR 5 Letter                       | Attachment | SWR 5 Letter   |
| SWR 13 Letter                      | Attachment | SWR 13 Letter  |
| Directional Survey - Gyro          | Attachment | Directional Survey - Gyro  |
| Directional Survey - MWD           | Attachment | Directional Survey - MWD   |
| Directional Survey - Other         | Attachment | Directional Survey - Other   |
| Directional Survey - Certification | Attachment | Directional Survey - Certification   |
| SWR 10 Letter                      | Attachment | SWR 10 Letter  |

|                      |            |  |
|----------------------|------------|--|
| PVT Analysis         | Attachment | Pressure-Volume-Temperature (PVT) Analysis |
| Hardcopy Form        | Attachment | Hardcopy Form                              |
| Sharing Agreement    | Attachment | Sharing Agreement                          |
| H-9 Hydrogen Sulfide | Attachment | H-9 Hydrogen Sulfide                       |

## Version

| <b>V</b> | <b>Revision Date</b> | <b>Author</b>       | <b>Review Date</b> | <b>Reviewer</b> | <b>Reason for Create or Update</b>                                |
|----------|----------------------|---------------------|--------------------|-----------------|---|
| 1.0      |                      |                     |                    |                 | 1 <sup>st</sup> Documented Version                                |
| 1.1      | 5/23/2014            | App Dev – Reporting |                    |                 | Revision to note addition of Submitted Images to the subscription |
|          |                      |                     |                    |                 |   |
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