

| Group                  | Column Header           | Description  |
|------------------------|-------------------------|--|
| Basic Data             | Beg Station             | Begin Station for this feature   |
|                        | End Station             | End Station for this feature.  |
|                        | GiS Pipe Segment Id     | Pipe Segment - As listed in Gas view (GIS).  |
|                        | Class Loc               | Current Class Location - As listed in the current version of the class location spreadsheet.   |
|                        | Job Number              | PG&E Job Number  |
|                        | Install Date            | Install Date   |
|                        | Feature Number          | PFL unique identification number (row number)  |
|                        | Feature                 | Defines the Feature or characteristics of this row of data.  |
|                        | Type                    | Given a Feature, this defines a sub-category that details more information about that particular Feature.                            |
|                        | Length                  | Pipe length in feet.   |
| Reference only Columns | Notes Comments          | General notes and comments related to the features identified on the row.  |
|                        | Milepoint               | Feature milepoint, determined by stationing/GIS.   |
|                        | Field Station           | Field Station - determined by plan and profile station points / transmission plats   |
|                        | Pipe Station            | Pipe Station - Stationing based on actual length of pipe installed (includes changes in elevation). This is not a strict definition. |
| MAOP Specifications    | O.D. 1                  | Size of the feature for this row. This is the major or most important outside diameter.  |
|                        | W.T. 1                  | Wall Thickness in inches.  |
|                        | O.D. 2                  | Size of the feature in inches.   |
|                        | W.T. 2                  | Wall Thickness in inches.  |
|                        | Seam Type               | Feature Long Seam Type   |
|                        | Specification or Rating | The specification or rating of the pipe or fitting or other gas containing device.   |
|                        | SMYS                    | Pipe Grade - As specified in as-builts   |
|                        | ANSI - WOG Rating       | ANSI or WOG Pressure Rating  |
|                        | Actual Size or Opening  | The actual size or opening of the feature on this row.   |
|                        | Max Working Pressure    | Maximum working pressure as defined by manufacturer  |
| Feature Specifications | Name                    | The name or number of the valve or feature.  |
|                        | Serial Number           | Serial number of this feature.   |
|                        | Figure or Model #       | Figure or Model number of this feature.  |
|                        | End Connect             | Type of end connection   |
|                        | Material Type           | Reinforcement material   |

|                           |                              |   |
|---------------------------|------------------------------|---|
| Bend Data                 | Angle                        | Angle of bend   |
|                           | Radius (ft)                  | Radius of the bend, found in PLSS, Plats, As builts, etc.   |
|                           | Orient                       | Orientation of bend.  |
| Tee Data                  | Barred                       | Are there scraper bars in the Tee?  |
| Tap Data                  | Method                       | Method of tap creation  |
|                           | Insertion                    | Is anything penetrating the pipe?   |
| Valve Data                | Shell Test Pressure          | Max allowable test pressure of valve in open position.  |
|                           | Operator Type                | Type of valve operator  |
| Casing Data               | Vented                       | Vented or not   |
|                           | Seal Type                    | End Seal Type   |
|                           | Type                         | Type of casing  |
|                           | Insulator Type               | Insulator Type  |
| External Coating          | Coating Type                 | Coating Type  |
|                           | DESC                         | Description of the Coating  |
|                           | Install Date                 | Install Date  |
| Purchase Data             | MFG                          | Manufacturer of this feature  |
|                           | Material Code                | The PG&E Material code for this feature   |
|                           | Purchase Doc #               | Purchasing document numbers or codes  |
|                           | Purchase Date of Feature     | The date this feature was actually purchased from a supplier.   |
|                           | Purchased from Other Company | Yes or No value   |
|                           | Pre-fab Feature              | A Pre-fabricated feature built in a shop that contains more then girth welds connecting standard pipeline components. |
|                           | Fabricated Assembly          | Fabricated Assembly that is assembled in the field. May contain pre-fabricated features or components.                |
|                           | Reconditioned or Salvaged    | Answer Yes if the material being placed in service was reconditioned or salvaged from another project.                |
| Reference Drawing Images  | Drawing Number 1             | Document Number 1   |
|                           | Drawing Quality 1            | Document Quality 1  |
|                           | Drawing Number 2             | Document Number 2   |
|                           | Drawing Quality 2            | Document Quality 2  |
| Reference Document Images | Image Name 1                 | Image Name 1  |
|                           | Image 1 Quality              | Image 1 Quality   |
|                           | Image Name 2                 | Image Name 2  |
|                           | Image 2 Quality              | Image 2 Quality   |
|                           | Image Name 3                 | Image Name 3  |
|                           | Image 3 Quality              | Image 3 Quality   |
|                           | Image Name 4                 | Image Name 3  |
|                           | Image 4 Quality              | Image 3 Quality   |
| Reference Maps            | Operating Map or Diagram     | Operating Map or Diagram drawing number   |

|   |                                      |   |
|---|--------------------------------------|---|
| Reference Maps                              | Distribution Wall Map and Plat Sheet | The wall map and plat sheet numbers   |
| Strength Test Information                   | Type                                 | Type of test  |
|   | Test Job Number                      | Job number that did the test  |
|   | Media                                | Medium used as for testing.   |
|   | Test Pressure                        | Actual measured test pressure   |
|   | Duration (hrs)                       | Duration of the test in hours   |
|   | Adj Test Pressure                    | Adjusted Test Pressure  |
|   | Test Date                            | Date of the Test  |
|   | Supervisor                           | Name of the supervisor  |
|   | Test Company                         | Name of the test company  |
|   | Date Prior Test                      | The date of any prior strength test   |
|   | Pressure Prior Test                  | This is the indicated test pressure of the prior test.                        |
|   | Current MAOP                         | Maximum Allowable Operating Pressure of the current facility                  |
| Strength Test Pressure Rpt Reference Images | Image Name 5                         | Image Name 4  |
|   | Image Name 6                         | Image Name 5  |
|   | Image Name 7                         | Image Name 6  |
|   | Image Name 8                         | Image Name 7  |
|   | Image Name 9                         | Image Name 8  |
|   | STPR Quality                         | STPR Quality of Documentation   |
| Branch                                      | Branch Line Number                   | Branch Line Number  |
|   | Branch Status                        | This the Status of the Branch line or items listed for Tap, Tees, branch PCFs |

### Data Source Quality Tiers

#### For Pipe, Fittings, Welded components

|    |   |   |
|----|---|---|
| Q1 | Mill Test Reports, factory test reports   | Represents Manufacture Delivered and Certified for a                  |
| Q2 | Receipt / Delivery Tags with clear dates, job number and/or locations   | Represents Manufacture Delivered to the job.                          |
| Q3 | Purchase Orders, As-built Drawings, As-built Strength Test Pressure Reports, As-built Bill of Materials or Bill of Material with Purchase Order numbers listed. | Represents Company Purchase or Witness of Installation                |
| Q4 | Construction Reports, Inspection Reports, Project Close out reports. Distribution and Transmission Plat Sheets.   | Represents witness of installation, from a secondary document source. |
| Q5 | Material Requisitions, Bill of Materials with Engineers Material Memo (EMM) listed.   | Represents early intent   |
| Q6 | Design Packages and Bill of Materials Approved for construction   | Represents early intent   |

**For Strength Test Pressure Reports**

|     |   |  |
|-----|---|--|
| Q1  | Strength test pressure report with <b>dead weight log</b> and charts, test supervisor name, pressure, medium, duration, elevations, signed and dated. | Represents certified original witness observed.  |
| Q2  | Test report <b>with charts signed and dated</b> . Test supervisor Name, pressure, medium, duration, elevations.                                       | Represents certified original witness observed.  |
| Q3  | Test report <b>with charts signed and dated</b> . Test supervisor Name, pressure, medium, duration, NO elevations.                                    | Represents certified original witness observed. Elevations unclear, assumed to follow standards. |
| Q4  | Original <b>Charts only</b> , signed and dated. Test supervisor name, pressure, medium, duration, elevations  | Represents certified original witness observed.  |
| Q5  | Original Charts only, signed and dated. Test supervisor name, pressure, medium, duration, NO indication of elevations.                                | Represents certified original witness observed. Elevations unclear.                              |
| Q6  | Strength Test Pressure Report with no charts or dead weight log, With Test Supervisor name, pressure, medium, duration, and elevations.               | Represents certified original witness observed, lacking charts.                                  |
| Q7  | Strength Test Pressure Report with no charts or dead weight log, With Test Supervisor name, pressure, medium, duration, and NO elevations.            | Represents certified original witness observed, lacking charts and elevations.                   |
| Q8  | Copy of Test Report with Dead Weight Log or Charts. With Supervisor name, Missing test duration, test pressure, or test medium.                       | Represents certified original witness observed, lacking required data.                           |
| Q9  | Test Report with Charts. Has duration, pressure, medium. No supervisor name   | Represents direct but uncertified observation.   |
| Q10 | Other variations of missing, pressures, medium, duration, elevation, dates, pipe specifications, etc.   | Represents lack of required data and uncertified observation.                                    |
| Q11 | Design Packages, Approved for construction  | Represents remote or obscure observation.  |