# Well Completion Reporting Template

| | |
|---|---|
| Template Name: | UL_WellCompletionReportingTemplate.csv |
| File Format: | Comma-Separated Values (.csv) |
| Code: | WELL_COMPLETION |
| Version: | 1 |
| Publish Date: | 11/01/2019 |

## Description

The well completion reporting is used to collect data for each operator's well on University
Lands. This template is provided for ease of system integration and can be opened in text editors and MS Excel. **Please be careful of the data type formatting when opening in Excel, it can change the intended data type of the fields**. The first 3 line are reserved for identifying the file when uploading to the Well Data Portal and cannot be changed.

| TEMPLATE_CODE | VERSION | | | | |
|---|---|---|---|---|---|
| WELL_COMPLETION | 1 | | | | |
| API | UWI | Well Name | Total Well Stages | Completion Start Date (MM/DD/YYYY) | …(continued) |

- Line 1 & 2 identify the template and version
- Line 3 is the data field column names

## Data Definitions

| Field Name | Data Type (Precision, Scale) | Description |
|---|---|---|
| API | String | 10 digit American Petroleum Institute well identifier. Record must contain this or the UWI to be processed. |
| UWI | String | 14 digit Unique Well Identifier. The first 10 digits are the API number and the last 4 represent the completion sequence. |
| Well Name | String | The lease name of the RRC Lease. |
| Total Well Stages | Integer | Total number of stages involved with the completion. |
| Completion Start Date | Date | Date completion activities began. |
| Completion End Date | Date | Date completion activities ended. |
| Perforated Lateral Length | Integer | Lateral footage between first and last perforation. |
| Perf Top | Integer | The measured depth in feet of the top perforation for the completion |
| Perf Bottom | Integer | The measured depth in feet of the bottom perforation for the completion |
| Total Perforations | Integer | Total number of perforations. |
| Avg Stage Length | Decimal (7,1) | The stage spacing – average distance in feet between two stage |
| Avg Clusters Per Stage | Decimal (5,1) | The number of cluster per stage |

| Avg Cluster Spacing | Decimal (7,1) | The cluster spacing – average distance between two perforation clusters in feet |
|---|---|---|
| Total Well Clusters | Integer | The total number of clusters for the well |
| Proppant #1 Type | String | The type of the 1$^{st}$ proppant pumped |
| Proppant #1 Size | String | The size of the 1$^{st}$ proppant pumped |
| Total Proppant #1 | Float | The amount of the 1$^{st}$ proppant pumped in pounds (lbs) |
| Proppant #2 Type | String | The type of the 2$^{nd}$ proppant pumped |
| Proppant #2 Size | String | The size of the 2$^{nd}$ proppant pumped |
| Total Proppant #2 | Float | The amount of the 2$^{nd}$ proppant pumped in pounds (lbs) |
| Total Well Proppant | Float | Total amount of all proppant pumped in pounds (lbs) |
| Fluid #1 Type | String | The type of the 1$^{st}$ fluid pumped |
| Fluid #1 Volume | Float | The volume of the 1$^{st}$ fluid pumped in barrels (bbl) |
| Fluid #2 Type | String | The type of the 2$^{nd}$ fluid pumped |
| Fluid #2 Volume | Float | The volume of the 2$^{nd}$ fluid pumped in barrels (bbl) |
| Total Clean Fluid | Float | Total clean fluid pumped for the well in barrels (bbl) |
| Avg Pumping Pressure | Float | Average pumping pressure (surface) in pounds per square inch (psi) |
| Max Pump Rate | Decimal (6,1) | Max pumping rate in barrels per minute (bpm) |
| Avg Pump Rate | Decimal (6,1) | Average pumping rate in barrels per minute (bpm) |
| Final ISIP | Float | The ISIP in pounds per square inch (psi) |
| Min Sand Concentration | Decimal (5,2) | Min proppant concentration in pounds per gallon (ppg) |
| Max Sand Concentration | Decimal (5,2) | Max proppant concentration in pounds per gallon (ppg) |
| Total Recycled Fluid | Decimal (9,1) | Total volume of the recycled fluid pumped in barrels (bbl) |
| Percent Recycled Fluid | Decimal (2,2) | Percentage of the recycled fluid in total clean fluid pumped. Value must be between 0.99 and 0.00 |
| Initial Frac Gradient | Decimal (6,4) | Fracture gradient in pounds per square inch per foot (psi/ft) |
| Final Frac Gradient | Decimal (6,4) | Fracture gradient in pounds per square inch per foot (psi/ft) (we only need one of those two) |