| **Attribute** | **Definition** | **Programs that Required Reporting** | **Required/Optional1** | **Recommended Reporting Accuracy2** | **Unit/Format** | **Data Type** | **List of Options** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Local Name/ID** | Name or number identifier given by the Monitoring Agency used to identify the well on a local basis. | SGMA | At least one well identifier must be entered for each submittal | N/A | N/A | text | N/A |
| **State Well Number** | State Well Number provided by the Department of Water Resources. |  | At least one well identifier must be entered for each submittal | N/A | N/A | text | N/A |
| **Master Code** | Unique identifier assigned to each well for a given program that the program uses to track individual wells within the program’s system. | SGMA  CASGEM  GeoTracker | At least one well identifier must be entered for each submittal | N/A | N/A | text | N/A |
| **Latitude** | Latitude of the well location (Y Coordinate). | SGMA  GeoTracker | Required | 5 decimal places (36-feet) | Decimal degrees | numeric | N/A |
| **Longitude** | Longitude of the well location (X Coordinate). | SGMA  GeoTracker | Required | 5 decimal places (36-feet) | Decimal degrees | numeric | N/A |
| **Coordinate Survey Date** | Date that the XY coordinates of the well were surveyed. | GeoTracker | Optional | N/A | Date (mm/dd/yyyy) | date | N/A |
| **Coordinate Survey Time** | Time that the XY coordinates of the well were surveyed. |  | Optional, default is 12:00:00 | N/A | 24-hour Time, PST (hh:mm) | time | N/A |
| **Coordinates Datum** | Horizontal datum associated with Latitude and Longitude measurement. | GeoTracker | Optional | N/A | NAD83 (recommended) | text | NAD83  NAD27  WGS84 |
| **Coordinates Method** | Method used to determine latitude and longitude of well location. | SGMA  GeoTracker | Optional | N/A | Description of method used | text (selected from list of options) | Surveyed  USGS quad  GPS  GPS with WAAS  Digital aerial photo  Unknown  Other |
| **Coordinates Accuracy** | Accuracy of well location latitude and longitude measurements. | SGMA | Optional | N/A | feet | numeric | N/A |
| **Coordinates Surveyor** | The name of the organization who collected the latitude/longitude coordinates. |  | Optional | N/A | N/A | text | N/A |
| **Coordinates Equipment** | The name or type of GPS equipment used to collect the latitude/longitude coordinates. |  | Optional | N/A | N/A | text | N/A |
| **Coordinates Survey Field Notes** | Any additional notes from the field during coordinates survey. |  | Optional | N/A | N/A | text | N/A |
| **Reference Point Elevation (RPE)** | Elevation of the reference point from which depth to water measurements are collected (RPE). | SGMA  CASGEM  GeoTracker | Required | tenth of a foot or greater | feet NAVD88 (recommended) | numeric | N/A |
| **Ground Surface Elevation** | Elevation of the ground surface associated with the location of the well (GSE). | SGMA  CASGEM | Optional | tenth of a foot or greater | feet NAVD88 (recommended) | numeric | N/A |
| **Elevation Survey Date** | Date that the reference point elevation and/or ground surface elevation was surveyed. | GeoTracker | Optional | N/A | Date (mm/dd/yyyy) | date | N/A |
| **Elevation Survey Time** | Time that the reference point elevation and/or ground surface elevation was surveyed. |  | Optional, default is 12:00:00 | N/A | 24-hour Time, PST (hh:mm) | time | N/A |
| **Elevation Measurement Method** | Method used to survey elevations. | SGMA  GeoTracker | Optional | N/A | Description of method used | text | N/A |
| **Elevation Vertical Datum** | Vertical datum associated with elevation measurements. | GeoTracker | Required | N/A | NAVD88 (recommended) | Text (selected from list of options) | WGS84  NAVD88  NAD83  NGVD29 |
| **Elevation Accuracy** | Accuracy of elevation measurements. | GeoTracker | Optional |  | feet | numeric | N/A |
| **Elevation Surveyor Name** | The name of the organization collecting the elevation measurement. | GeoTracker | Optional | N/A | N/A | text | N/A |
| **Elevation Survey Field Notes** | Any additional notes from the field during elevation survey. |  | Optional | N/A | N/A | text | N/A |
| **Well Riser Height (RHT)** | Measured distance from ground surface to top of well casing.  **Calculated as**:  RHT = RPE - GSE |  | Optional | tenth of a foot or greater | feet | numeric | N/A |
| **Total Well Depth** | Depth to the bottom of the well. | SGMA | Required | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Completion Type** | How water enters the well from the aquifer. Most drilling methods use a well screen while cable tooled wells may use an open hole. |  | Optional | N/A | N/A | text (selected from list of options) | Screened  Open hole |
| **Depth to Top of Screen (1)** | Depth to the top of the first or only screened interval below ground surface. |  | Required | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Depth to Bottom of Screen (1)** | Depth to the bottom of the first or only screened interval below ground surface. |  | Required | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Depth to Top of Screen (2)** | Depth to the top of the second screened interval below ground surface. |  | Optional | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Depth to Bottom of Screen (2)** | Depth to the bottom of the second screened interval below ground surface. |  | Optional | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Depth to Top of Screen (3)** | Depth to the top of the third screened interval below ground surface. |  | Optional | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Depth to Bottom of Screen (3)** | Depth to the bottom of the third screened interval below ground surface. |  | Optional | tenth of a foot or greater | feet below RPE or GSE | numeric | N/A |
| **Well Casing Material** | Material that the well casing is made from. |  | Optional | N/A | N/A | text | N/A |
| **Well Casing Diameter** | Diameter of the well casing. |  | Optional | tenth of an inch | inches | numeric | N/A |
| **Well Slot Size** | Size of well screen slots. |  | Optional | thousandth of an inch | inches | numeric | N/A |
| **Well Status** | Status of the well. | SGMA  GeoTracker | Optional | N/A | N/A | text (selected from list of options) | Planned Active Inactive Abandoned Other |
| **Well Use Type** | Primary use of the well. | SGMA | Optional | N/A | N/A | text (selected from list of options) | Municipal Agricultural Domestic Monitoring Industrial Other |
| **Well Completion Type** | Description of well completion structure. | SGMA | Optional | N/A | N/A | text (selected from list of options) | Single Well Nested/Multi-Completion Well |
| **Well Completion Report Number** | The Department of Water Resources Well Completion Report Number (OSWCR Legacy Log Number). |  | Optional | N/A | N/A | text | N/A |
| **Well Completion Date** | Date that the well was completed. |  | Optional | N/A | Date (mm/dd/yyyy) | date | N/A |
| **Well Location Description** | Description of the location of the well and any other notes used to identify the well's location. | SGMA | Optional | N/A | N/A | text | N/A |
| **Groundwater Basin Name** | Name of groundwater basin the well is located within. |  | Optional | N/A | N/A | text | N/A |
| **County Name** | Name of the County the well is located within. | SGMA | Optional | N/A | N/A | text | N/A |
| **SGMA Monitoring Network** | The monitoring network that the well is associated with under a Groundwater Sustainability Plan. | SGMA | Optional | N/A | N/A | text (selected from list of options) | Monitoring Well Representative Monitoring Well Other |
| **Additional Comments** | Any additional comments concerning well characteristics. |  | Optional | N/A | N/A | text | N/A |
| 1Attributes designated as optional may be required depending on program specific reporting compliance. Fields designated as required are deemed to be the most important attributes for reporting. However, if required data is missing, the user may still upload the attributes that are available. Required fields that are not submitted will cause the data to be flagged for quality control purposes. Additional evaluation of the SAFER program’s level of requirements is still needed to highlight program reporting requirements.  2The Recommended Reporting Accuracy does not preclude data outside of the recommended accuracy from being submitted. Data with Unknown or Other Accuracy may be flagged as potentially inaccurate data.  **Acronyms**:  N/A = not applicable NAVD88 = North American Vertical Datum of 1988 RPE = reference point elevation GSE = ground surface elevation OSWCR = Online System of Well Completion Reports | | | | | | | |
|  |
|  |
|  |
|  |
|  |
|  |
|  |