

## **COGCC Oil and Gas Analytical Download Metadata**

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### **Data Description**

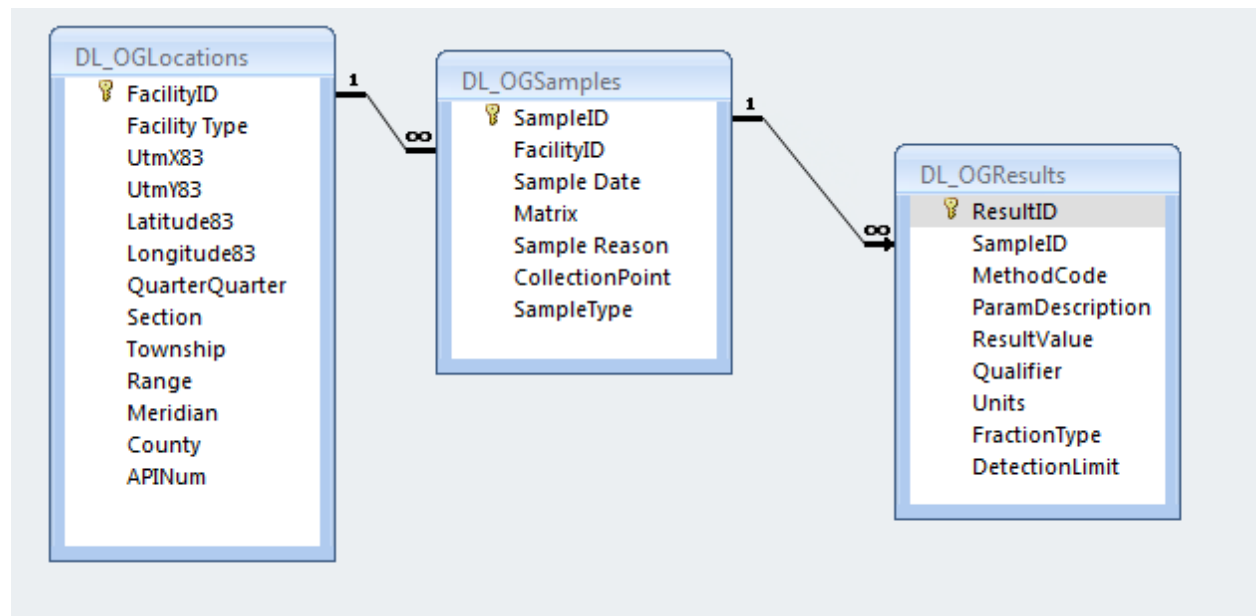
The analytical data and other information within the **COGCC Oil and Gas Analytical Database** are a compilation of data collected by COGCC staff, data submitted to COGCC from third parties, and historical data.

Historical data sources may include, but are not limited to oil and gas operator supplied data, data related to complaint investigations conducted by the COGCC, and studies funded by the COGCC. Most of the historical data were manually entered into a previous version of the COGCC database. Very little of the historical data contains laboratory QA/QC control information.

Sample locations in the database include produced water, produced gas and bradenhead gasses. Location numbers are generated in the database and are unique to each sample location. Api number are included in the download; Each facility ID number is also tied to a single API number. UTM coordinates are calculated from the latitude and longitude and stored in the database through the use of a stored procedure. Information regarding the quarter-quarter section, section, township, range and county are also provided with the data. Additional information for oil and gas wells may be available on the COGCC online maps.

The Oil and Gas Analytical Download will be updated on a weekly basis under normal circumstances.

## Table Relationships



The relationships between the tables and the nature of the relationships are shown in the diagram above. The Access database download contains three related tables named: DL\_OGLocations, DL\_OGSamples, and DL\_OGResults. The DL\_OGLocations table contains information regarding the location of the sampling points. The DL\_OGSamples table contains information regarding each sampling event, and the DL\_OGResults table contains the analytical results. For each location there may be one or more samples and for each sample there are many results.

The three tables each have a unique field or primary key (designated with the “key” icon above). The primary key field is a unique number assigned by the database.

In order view the data it is likely that information from the three tables will have to be used in conjunction to create a query. For example, to display the results of a particular sample you would have to have the FacilityID of the sample point from the DL\_OGLocations table, the SampleID and Sample Date from the DL\_OGSamples table, and results from the DL\_OGResults table. An example query named BasicQuery is included in the download.

## **Disclaimers**

Users of the COGCC Public Water Quality Database are advised that COGCC does not conduct detailed reviews of quality control/quality assurance protocols, chain of custody procedures, or field or laboratory methodologies on all data received from third parties. The level of review performed on historical data is unknown. The COGCC does not regularly perform formal data validation for any of the data posted to this database.

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