



California
**Department of
Conservation**
Oil, Gas, and Geothermal Resources

Oil & Gas Wells Metadata

Historical Six District System Archive

Disclaimer

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Metadata

Digital PDF maps present as digital well locations listed in an archived database as latitude and longitude, and as digital maps in PDF format. This document provides information and definitions for the attributes that are associated with the historical six-district-system well locations. Digital Maps can be found by the historical Division six-district office and by map number. These maps are prepared using digital well locations and digital base-map data. The files are in PDF format and Acrobat Reader software is needed to view them.

Digital Well Location Data

Most up-to-date digital well location data is available for download in the GIS Mapping [webpage](#) from the Department of Conservation website. The California Department of Conservation and its Division of Oil, Gas, and Geothermal Resources (DOGGR) provide spatial information on oil and gas wells within the State of California. The well data is updated on the daily basis. Three data formats are available for user viewing or download, including shapefile (.shp), comma separated values (csv), and Esri feature service (REST) formats.

Spatial Reference

The map projection used is Latitude/Longitude-NAD27 for the Continental United States).

Well Status Codes

Oil and Gas Wells

The following are the oil and gas well status codes and their corresponding status. Note that adding 1 to any status code number indicates that the well was directionally drilled.

For example, adding 1 to 008 makes 009, a directionally drilled producing oil well. In other words, all odd numbers are wells directionally drilled.

Some maps have symbols specific to certain operators or producing zones. The symbols may have triangles, diamonds, circles, or half-circles around them. In these instances, a letter will precede the status code number: "T" for triangle; "D" for diamond; and "C" for circle. Half-circles may be in any one of four positions indicated by the following: "A", above; "B", below; "L", left side; and "R", right side. An "S" indicates a seafloor completion.

000: drilling

002: drilling-idle

004: buried-idle

006: plugged and abandoned dry hole

008: completed oil

010: idle oil

012: buried oil-idle

014: plugged and abandoned oil

016: completed gas

018: gas-open to oil zone

020: gas-idle

022: buried gas-idle

024: plugged and abandoned gas

026: dual oil and gas

028: plugged and abandoned oil and gas

030: completed gas storage-injection/withdrawal

032: plugged and abandoned gas storage

034: completed waterflood

036: oil converted to waterflood

038: dual completion-producing oil and waterflood

040: completed water disposal

042: water disposal-idle

044: oil well converted to water disposal

046: dual completion-producing oil and disposal

048: completed steamflood

050: completed fireflood

052: completed gas injection-previous gas well
054: completed gas injection-previous oil well
056: completed gas injection-previous dry hole
058: oil producing and gas injection
060: completed CO²
062: completed LPG injection
064: completed air injection
066: observation
068: completed water source
070: water source-idle
072: geothermal
074: suspected location
076: abandoned conductor
078: oil-converted to air storage
090: oil-converted to water disposal-abandoned
092: steamflood-abandoned
110: oil-converted to water disposal-idle
114: oil-converted to observation-idle
116: gas converted to water disposal
118: gas-converted to observation-idle
124: gas-converted to water disposal-abandoned
130: gas-converted to gas storage
134: dry hole-converted to water disposal-abandoned
136: oil-converted to waterflood-abandoned
140: water disposal-abandoned
148: oil-converted to steamflood-abandoned
150: oil-converted to fireflood-abandoned
168: oil-converted to water source-abandoned
170: oil-converted to water source
178: gas storage-converted from oil
200: oil tunnel

214: oil tunnel entrance
236: oil-converted to waterflood-idle
248: oil-converted to steamflood
250: abandoned dry hole-converted to fireflood
266: water source-abandoned
268: water disposal-converted to observation
336: LPG injection-abandoned
548: steamflood-idle
999: cancelled location

Geothermal Wells

The following are the geothermal well status codes and their corresponding status.

G000: geothermal-location
G002: geothermal-drilled-idle
G006: geothermal-dry hole-plugged and abandoned
G008: geothermal-capable of production
G009: cold water well
G010: geothermal-capable of production-idle
G012: geothermal-production-idle
G014: geothermal-production-plugged and abandoned
G040: geothermal-injection
G042: geothermal-injection-idle
G044: geothermal-injection-converted from production
G066: geothermal-observation
G067: geothermal-observation-plugged and abandoned
G068: cold water observation
G069: geothermal-observation-converted from production
G070: cold water observation-plugged and abandoned
G071: geothermal-observation-converted from production-plugged and abandoned
G136: geothermal-injection-plugged and abandoned-converted from production
G140: geothermal-injection-plugged and abandoned
G212: geothermal-temperature gradient hole

G214: geothermal-temperature gradient hole-plugged and abandoned

Additional Geothermal Well Data Attributes

The geothermal well databases contain three groupings of information in the comments section. The first grouping of letters indicates the well status. The second grouping indicates the type of well, and the third indicates whether the well records are confidential or not. For confidentiality, Y indicates yes, and N indicates no.

The coding for well status is as follows:

ACTV: active

ABDN: abandoned

UNKN: unknown

IDLE: idle

SUSP: suspended

PROP: proposed

LOST: lost

DEST: deserted

The coding for well type is as follows:

EST: exploratory steam

EWT: exploratory water

DST: developmental steam

DWT: developmental water

INJ: injection

TG: temperature gradient

OBS: observation

CLT: commercial low temperature

NLT: noncommercial low temperature

WW: water well

Spud Date

When the month and day within the spud date column are both 12, it means only the year the well was spud is recorded but the day and month of the date are not found in the database.

District

For geothermal districts, 7 is Geothermal District G1, 8 is Geothermal District G2, and 9 is Geothermal District G3.

Source Codes

These codes indicate the means by which the well location data was collected.

HUD - Heads up digitized (from scanned, georeferenced mylar map)

GPS - Collected via Global Positioning System

MIP - Location derived from MapInfo Plot of section corner calls

OPR - Data provided by operator

Additional information

For oil and gas wells data inquiries and questions, please e-mail the [Webmaster](#) in DOGGR.