Database of the oil and gas wells of Idaho: Metadata

The Idaho Geological Survey does not guarantee Oil and Gas data to be free of errors nor assume liability for interpretations made from these data, or decisions based thereon.
Overview

This document was created for the re-release of the *Database of oil and gas wells of Idaho 1903-2022* in the Idaho Geological Survey’s Digital Database series as DD-3 for version 1.2023. The relational database provides a way to connect the various documents of each oil and gas well to its location and other spatial attributes.

The IGS maintains files on over 200 oil and gas wells in the state. These files include the drilling service reports, geophysical logs, geologic logs, and lease maps provided by companies to the Oil and Gas Commission (OGCC) from 1903-2022. Some files contain drilling service reports, geophysical logs, geologic logs, lease maps, and a few LAS files, a format preferred by industry. These data are disseminated through the IGS Oil and Gas database publication and derivative Oil & Gas web app. Conversion of log data to LAS is an ongoing data preservation project.

DD-3 had not been updated since 2014. Previously, only historic, inactive wells were accounted for by the IGS. Beginning in 2009, historical well logs and reports were transferred to IGS from the Idaho Department of Lands. DD-3 was first released in 2011. New oil and gas exploration began in 2007 and over 40 wells have been permitted since then. The database records are current up to February of 2022.

Well locations were thoroughly reviewed and improved using permit maps and remote sensing. A number of corrections to coordinates were made. IGS provides well locations in NAD27 because it was the datum used for most of the historic wells recorded on paper maps. Coordinates in WGS84 are provided so wells can be readily projected into Web Mercator.

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Dennis M. Feeney
**Metadata**

The Oil and Gas dataset is provided free of charge and without restriction to lawful use. Without express consent from the IGS, this document and other metadata should accompany any part of this dataset being distributed. Any alteration of these data must be openly and expressively disclosed to avoid misrepresentation of data sources. If the data is altered then shared, the recipient needs to be aware of any changes not reviewed and approved by IGS as an addendum to the metadata.

Included with this dataset (DD-3OilAndGas2023.zip):

2. A data dictionary explaining the main table of the Access database
3. Well point geodatabase feature class in ArcMap 10.8.1 .mxd
4. Well point geodatabase feature class in ArcGis Pro 3.1.1 .aprx
5. A point shapefile of well locations made from the feature class
6. A point .kmz layer of well locations made from the feature class

This document was last updated 20230531.

**Hardware and Software**

All work was done on PC-platform computers with a Windows 10 Professional (Build 19045) SP1 64-bit Operating System. For data transformation, data entry, and documentation Windows Office Suites 2010, 2013, and Office 365 were used interchangeably. For GIS-derived attributes and products, ArcGIS 10.8.1 and ArcGIS Pro 3.1.1 were employed. Google Earth Pro was used as needed for location verification via remote-sensing and to assist with defining cross-referenced locations for some documents. Earth Point’s web app was used to assist locating and verifying properties with public land survey system (PLSS)-derived locations. Scripts developed in Python, SQL, Visual Basic, and Windows Command Prompt were used for some data verification and database maintenance tasks.

**Decoding API numbers: 00-000-00000-00**

This number originated from the American Petroleum Institute and is used nationwide to identify individual oil and gas wells. The modern term is United States Well Number (USWN) which follows the same standard. The first two numbers represent the state, which is 11 for Idaho. The next three numbers correspond to counties within states. Note that only odd numbers are used. The next sequence of 5 numbers is a serial number which is assigned to wells in the order they are permitted. In Idaho, historic wells are of the form 09000, while modern wells are 20000. This convention varies by state and by agency so there are exceptions to these, but each well has a unique and consistent identification number. The final two-number segment represents sidetracks—wellbores drilled at different angles from a common well head. Because this is not common, most wells end in -00, meaning there is only one permitted well.
Table Relationships
Data Dictionary for the database main table, IDOilGas
<table>
<thead>
<tr>
<th>Order</th>
<th>Field Name</th>
<th>Data Type</th>
<th>Field Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ID</td>
<td>AutoNumber</td>
<td>4</td>
<td>Unique numeric ID</td>
</tr>
<tr>
<td>2</td>
<td>API</td>
<td>Short Text</td>
<td>255</td>
<td>The American Petroleum Institute number is a unique number used nationally to track and identify every permitted oil and gas well. First two digits are state, next 3 digits are county, last five digits are permit serial number.</td>
</tr>
<tr>
<td>3</td>
<td>IGS_num</td>
<td>Short Text</td>
<td>255</td>
<td>The American Petroleum Institute number is a unique number used nationally to track and identify every permitted oil and gas well. First four digits are the year in which the well was permitted, last two digits correspond to the order in which the permits were issued.</td>
</tr>
<tr>
<td>4</td>
<td>Operator</td>
<td>Short Text</td>
<td>255</td>
<td>Company listed on the well permit.</td>
</tr>
<tr>
<td>5</td>
<td>WellName</td>
<td>Short Text</td>
<td>255</td>
<td>Name of well listed on permit.</td>
</tr>
<tr>
<td>6</td>
<td>WellStatus</td>
<td>Short Text</td>
<td>255</td>
<td>Oil and Gas producing well, Shut-in, Abandoned (plugged status unknown), Plugged and Abandoned, currently used as an artesian well, currently used as a geothermal well.</td>
</tr>
<tr>
<td>7</td>
<td>WellType</td>
<td>Short Text</td>
<td>255</td>
<td>Oil and Gas well, Geothermal well, Water Well, Stratigraphic test well.</td>
</tr>
<tr>
<td>8</td>
<td>LatitudeNAD27</td>
<td>Number</td>
<td>8</td>
<td>Latitude of well location based on NAD27 datum.</td>
</tr>
<tr>
<td>9</td>
<td>LongitudeNAD27</td>
<td>Number</td>
<td>8</td>
<td>Longitude of well location based on NAD27 datum.</td>
</tr>
<tr>
<td>10</td>
<td>LatitudeWGS84</td>
<td>Number</td>
<td>8</td>
<td>Latitude of well location based on WGS84 datum.</td>
</tr>
<tr>
<td>11</td>
<td>LongitudeWGS84</td>
<td>Number</td>
<td>8</td>
<td>Longitude of well location based on WGS84 datum.</td>
</tr>
<tr>
<td>12</td>
<td>CompletionStatus</td>
<td>Short Text</td>
<td>255</td>
<td>Y = subsurface zone completed, N = well not completed or status unknown.</td>
</tr>
<tr>
<td>13</td>
<td>Drilled</td>
<td>Short Text</td>
<td>255</td>
<td>Y= well was drilled, N = well was permitted but not drilled.</td>
</tr>
<tr>
<td>14</td>
<td>DrillingFluid</td>
<td>Short Text</td>
<td>255</td>
<td>O indicates an oil based drilling fluid used, W indicates a water based drilling fluid was used, U indicates drilling fluid type is unknown.</td>
</tr>
<tr>
<td>15</td>
<td>EndDrillDate</td>
<td>Short Text</td>
<td>255</td>
<td>Date in which the drilling of the well was completed.</td>
</tr>
<tr>
<td>16</td>
<td>SpudDate</td>
<td>Short Text</td>
<td>255</td>
<td>Estimated date well was spudded.</td>
</tr>
<tr>
<td>17</td>
<td>HydrocarbonType</td>
<td>Short Text</td>
<td>255</td>
<td>Oil show reported, Gas show reported, Cuttings Fluorescence reported, No show reported.</td>
</tr>
<tr>
<td>18</td>
<td>GeophysicalLogs</td>
<td>Short Text</td>
<td>255</td>
<td>Y geophysical wireline logs for the well exist. N indicates the existence of logs are not known.</td>
</tr>
<tr>
<td>19</td>
<td>LASFiles</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates digital LAS Files of logs are available from the IGS website, N means LAS files are not available from the IGS website, C indicates public distribution of LAS files are restricted for a year after the well has been drilled.</td>
</tr>
<tr>
<td>20</td>
<td>PaperLogs</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates copies of the wireline logs are available from the IGS website.</td>
</tr>
<tr>
<td>21</td>
<td>DirSurvey</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates Directional Survey is available from the IGS website.</td>
</tr>
<tr>
<td>22</td>
<td>MudLog</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates Mud Log is available from the IGS website.</td>
</tr>
<tr>
<td>23</td>
<td>DipLog</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates Dip Log is available from the IGS website, N indicates Dip does not exists or copy is not available from IGS.</td>
</tr>
<tr>
<td>24</td>
<td>TempLog</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates a Temperature Log available from IGS website.</td>
</tr>
<tr>
<td>25</td>
<td>LithLogType</td>
<td>Short Text</td>
<td>255</td>
<td>Indicates the types of Lithologic Logs available from the IGS website.</td>
</tr>
<tr>
<td>26</td>
<td>DST</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates a Drill Stem Report (DST) available from IGS website.</td>
</tr>
<tr>
<td>27</td>
<td>HCA</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates a Hydrocarbon Analysis (HCA) is available from the IGS website.</td>
</tr>
<tr>
<td>28</td>
<td>BHP</td>
<td>Short Text</td>
<td>255</td>
<td>Y indicates a Bottom Hole Pressure (BHP) Log is available from the IGS website.</td>
</tr>
<tr>
<td>29</td>
<td>Cuttings</td>
<td>Short Text</td>
<td>255</td>
<td>Agency where cuttings reside. N indicates unknown existence of any cuttings.</td>
</tr>
<tr>
<td>30</td>
<td>Core</td>
<td>Short Text</td>
<td>255</td>
<td>Indicates drill cores were taken, how many, and at what intervals. Core logs are available from the IGS website.</td>
</tr>
<tr>
<td>31</td>
<td>CountyAPI</td>
<td>Long</td>
<td>4</td>
<td>County code portion of the API number.</td>
</tr>
<tr>
<td>32</td>
<td>CountyAPI</td>
<td>Short Text</td>
<td>255</td>
<td>County name.</td>
</tr>
<tr>
<td>33</td>
<td>plssTownship</td>
<td>Short Text</td>
<td>255</td>
<td>PLSS Township code.</td>
</tr>
<tr>
<td>34</td>
<td>plssRange</td>
<td>Short Text</td>
<td>255</td>
<td>PLSS Range code.</td>
</tr>
<tr>
<td>35</td>
<td>plssSection</td>
<td>Long</td>
<td>4</td>
<td>PLSS Section Number.</td>
</tr>
<tr>
<td>36</td>
<td>plssQQSection</td>
<td>Short Text</td>
<td>255</td>
<td>PLSS (quarter) quarter section code. For example, NW SE would be read as: the northwest quarter of the southeast quarter of the section.</td>
</tr>
<tr>
<td>37</td>
<td>FNL</td>
<td>Number</td>
<td>8</td>
<td>Distance north of section boundary to well location in feet according to permit.</td>
</tr>
<tr>
<td>38</td>
<td>FEL</td>
<td>Number</td>
<td>8</td>
<td>Distance east of section boundary to well location in feet according to permit.</td>
</tr>
<tr>
<td>39</td>
<td>FSL</td>
<td>Number</td>
<td>8</td>
<td>Distance south of section boundary to well location in feet according to permit.</td>
</tr>
<tr>
<td>40</td>
<td>FWL</td>
<td>Number</td>
<td>8</td>
<td>Distance west of section boundary to well location in feet according to permit.</td>
</tr>
<tr>
<td>41</td>
<td>GroundElevation</td>
<td>Number</td>
<td>8</td>
<td>Ground elevation above sea level in feet.</td>
</tr>
<tr>
<td>42</td>
<td>KellyBushing</td>
<td>Number</td>
<td>8</td>
<td>Kelly bushing elevation above sea level in feet.</td>
</tr>
<tr>
<td>43</td>
<td>TotalDepth</td>
<td>Number</td>
<td>8</td>
<td>Measured depth of well below ground elevation.</td>
</tr>
<tr>
<td>44</td>
<td>FieldName</td>
<td>Number</td>
<td>255</td>
<td>Name of oil/gas field name as designated by the Idaho Department of Lands. Wildcat refers to wells drilled outside of a known oil/gas field.</td>
</tr>
</tbody>
</table>
FGDC metadata for IDOilGasWells feature class

Tags  oil, gas, petroleum, petrogeology, economic geology, well, exploration, permit, log, LAS, drill, history, abandoned, analysis, chemistry, chemical, education, public data, web map service

Summary
This feature class provides the locations and attributes for 214 oil and gas wells in Idaho.

Description
This is a component of the Idaho Geological Survey publication, Digital Database 3: Database of oil and gas data of Idaho. This dataset represents information on current and historical oil and gas exploration wells in Idaho provided by companies to the Oil and Gas Commission from 1903-2022. This data was transferred to the Idaho Geological Survey in 2009 from the Idaho Department of Lands, who regulates and maintains data for recent/current oil and gas exploration in Idaho. These data were derived mostly from historical well paper logs and reports. This database also includes newly drilled and producing wells. Information for active wells is from journal articles, well permits from Idaho Department of Lands, and electric logs.

Credits
New well data came from Idaho Department of Lands, electric logs, Rigzone.com, Oil and Gas Journal. Historic well data came from the Idaho Geological Survey publication DD-3 (2013), Historical Oil and Gas data for Idaho: 1903-1988. Data source for this 2023 release is Idaho Department of Lands and brings data current to 2022.

Use limitations
Provided as-is for research purposes. Locations and attributes of wells are compiled from the assortment of source documents available at the time of publication. Revisions of this database will be issued as new information is added. Wells that were drilled from 2007 to present day have had their locations verified using the best available imagery. If a well was permitted but not drilled, the coordinates from the permit are provided.

Extent
West  -117.023782  East  -111.070051
North  47.813927  South  42.005267

Scale Range
Maximum (zoomed in)  1:5,000
Minimum (zoomed out)  1:150,000,000

Topics and Keywords  ►
Themes or categories of the resource  Economy
Content type  Downloadable Data
Export to FGDC CSDGM XML format as Resource Description  No
Citation

Title Oil and gas wells of Idaho: 1903-2022, Idaho Geological Survey Digital Database 3, Version 1.2023
Publication date 2023-05-25 00:00:00

Presentation formats digital map

Citation Contacts

Responsible party - originator
Individual's name Mark Barton

Responsible party - originator
Individual's name Reed Lewis

Responsible party - originator
Individual's name Christopher Tate

Responsible party - originator
Individual's name Jacob Eldredge

Responsible party - publisher
Organization's name Idaho Geological Survey

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Phone
Voice 208-885-7991

Address
Type physical
Delivery point 875 Perimeter Dr.
City Moscow
Administrative area ID
Postal code 83844-3014
Country US
Delivery point Morrill Hall, 3rd Floor

Resource Details

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Credits
New well data came from Idaho Department of Lands, electric logs, Rigzone.com, Oil and Gas Journal. Historic well data came from the Idaho Geological Survey publication DD-3 (2013), Historical Oil and Gas data for Idaho: 1903-1988. Data source for this 2023 release is Idaho Department of Lands and brings data current to 2022.

ArcGIS item properties

Extents

Extent
Description
Intermittent permitting and drilling of oil and gas wells.

Geographic extent
Bounding rectangle
Extent type
Extent used for searching
  West longitude  -117.023782
  East longitude  -111.070051
  North latitude  47.813927
  South latitude  42.005267

Temporal extent
  Beginning date  1903-01-01 00:00:00
  Ending date    2022-02-28 00:00:00

Resource Points of Contact

Point of contact - publisher
  Organization's name  Idaho Geological Survey

Contact information
  Phone
    Voice  208-885-7991

Address
  Type  physical
  Delivery point  875 Perimeter Dr.
  City  Moscow
  Administrative area  ID
  Postal code  83844-3014
  Country  US
  Delivery point  Morrill Hall, 3rd Floor

Resource Maintenance

Resource maintenance
  Update frequency  as needed

Resource Constraints

Constraints
  Limitations of use
  Provided as-is for research purposes. Locations and attributes of wells are compiled from the assortment of source documents available at the time of publication. Revisions of this database will be issued as new information is added. Wells that were drilled from 2007 to present day have had their locations verified using the best available imagery. If a well was permitted but not drilled, the coordinates from the permit are provided.

Legal constraints
  Limitations of use
  The Idaho Geological Survey does not assume liability; no warranty expressed or implied is made by the Agency regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty.

Data Quality

Scope of quality information
  Resource level  dataset

Data quality report - Conceptual consistency
  Data quality measure reference
Measure description
Wells and their attributes are assigned by IGS Staff. Data presented here represent the best known information for these wells.

Data quality report - Completeness omission
Data quality measure reference
Measure description
All well locations were visually checked against original maps, imagery, and other location data for completeness.

Data quality report - Quantitative attribute accuracy
Data quality measure reference
Measure description
Attributes in this dataset were derived by IGS staff from files acquired from the Idaho Department of Lands in 2009. Additional data was added from IGS files associated with oil and gas.

Quality evaluation procedure
Evaluation type direct internal

Data quality report - Absolute external positional accuracy
dimension horizontal
Data quality measure reference
Measure description
Wells were plotted on a 1:24,000 base using measurements provided in sundry reports and applications. Locations are approximate if permitted but not drilled.

Lineage
Process step
When the process occurred 2009-08-01 00:00:00
Description
Acquired paper files from Idaho Department of Lands.

Process step
When the process occurred 2010-08-01 00:00:00
Description
Scanned letter sized documentation.

Process step
When the process occurred 2010-09-01 00:00:00
Description
Added attributes for wells from scanned data.

Process step
When the process occurred 2010-10-01 00:00:00
Description
Created Lat/Lon locations in decimal degrees from plotting locations or measured from topo map.
Process step ►
When the process occurred  2010-11-01  00:00:00
Description
Scanned geophysical logs (scanned at LogDigi).

Process step ►
When the process occurred  2011-03-01  00:00:00
Description
Added attributes for log information from scanned data.

Process step ►
When the process occurred  2011-04-01  00:00:00
Description
Created point shapefile from Lat/Lon locations in decimal degrees from table (excel file).

Process step ►
When the process occurred  2013-04-23  00:00:00
Description
Published DD-3

Process step ►
When the process occurred  2020-11-09  00:00:00
Description
Update DD-3 records and fields. Add recent oil and gas wells.

Process step ►
When the process occurred  2023-02-22  00:00:00
Description
Update DD-3 records and fields. Add recent oil and gas wells. Add new log type, logs, documents, and LAS files for recently permitted wells.

Process step ►
When the process occurred  2023-05-15  00:00:00
Description
Update DD-3 records and field names. Remove redundant fields. Add recent oil and gas wells. Verify and correct accuracy of well coordinates in WGS84 and NAD27.

Process step ►
When the process occurred  2023-05-25  00:00:00
Description
Publish new DD-3.

Source data ►
Description
These records include information on past oil and gas exploration wells in Idaho from 1903 to 1988 provided by companies to the Oil and Gas Conservation Commission. These data were derived mostly from historical well paper logs and reports. This data was transferred to the Idaho Geological Survey in 2009 from the Idaho Department of Lands. Data from wells that were permitted from 2007 to the present comes from Idaho Department of Lands and the Oil and Gas Conservation Commission.

Distribution

Distributor

Contact information - publisher
Organization's name  Idaho Geological Survey

Contact information
Phone
Voice  208-885-7991
Address
Type  physical
Delivery point  875 Perimeter Dr.
City  Moscow
Administrative area  ID
Postal code  83844-3014
Country  US
Delivery point  Morrill Hall, 3rd Floor

Fields

Details for object Details for OilGasWells
Type  Feature Class
Definition
Oil and gas well point data

Definition source
Idaho Geological Survey

Field ID
Data type  OID
Width  4

Field description
Internal feature number.

Description source
ESRI

Field API
Data type  Text
Width  255

Field description
The American Petroleum Institute number is a unique number used nationally to track and identify every permitted oil and gas well. First two digits are state, next 3 digits are county, last five digits are permit serial number.

Description source
IGS
Field IGS_num ►
  Data type  Text
  Width  255

Field description
Idaho Geological Survey well identification number. IGS number has the following format (xxxx-xx): First four digits are the year in which the well was permitted, last two digits correspond to the order in which the permits were issued.

Description source
IGS

Field Operator ►
  Data type  Text
  Width  255

Field description
Company listed on the well permit.

Description source
IGS

Field WellName ►
  Data type  Text
  Width  255

Field description
Name of well listed on permit.

Description source
IGS

Field WellStatus ►
  Data type  Text
  Width  255

Field description
Oil and Gas producing well, Shut-in, Abandoned (plugged status unknown), Plugged and Abandoned, currently used as an artesian well, currently used as a geothermal well.

Description source
IGS

Field WellType ►
  Data type  Text
  Width  255

Field description
Oil and Gas well, Geothermal well, Water Well, Stratigraphic test well.
Field LatitudeNAD27 
- Data type: Double
- Width: 8

Field description
Latitude of well location based on NAD27 datum.

Description source
IGS

Field LongitudeNAD27 
- Data type: Double
- Width: 8

Field description
Longitude of well location based on NAD27 datum.

Description source
IGS

Field LatitudeWGS84 
- Data type: Double
- Width: 8

Field description
Latitude of well location based on WGS84 datum.

Description source
IGS

Field LongitudeWGS84 
- Data type: Double
- Width: 8

Field description
Longitude of well location based on WGS84 datum.

Description source
IGS

Field CompletionStatus 
- Data type: Text
- Width: 255

Field description
Y = subsurface zone completed, N = well not completed or status unknown.

Description source
<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Width</th>
<th>Field Description</th>
<th>Description Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Drilled</td>
<td>Text</td>
<td>255</td>
<td>Y = well was drilled, N = well was permitted but not drilled.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field DrillingFluid</td>
<td>Text</td>
<td>255</td>
<td>O indicates an oil based drilling fluid used, W indicates a water based drilling fluid was used, U indicates drilling fluid type is unknown.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field EndDrillDate</td>
<td>Text</td>
<td>255</td>
<td>Date in which the drilling of the well was completed.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field SpudDate</td>
<td>Text</td>
<td>255</td>
<td>Estimated date well was spudded.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field HydrocarbonType</td>
<td>Text</td>
<td>255</td>
<td>Oil show reported, Gas show reported, Cuttings Fluorescence reported, No show reported.</td>
<td>IGS</td>
</tr>
</tbody>
</table>
Field GeophysicalLogs ►
  Data type   Text
  Width      255

  Field description
  Y geophysical wireline logs for the well exist. N indicates the existence of logs are not known.

  Description source
  IGS

Field LASFiles ►
  Data type   Text
  Width      255

  Field description
  Y indicates digital LAS Files of logs are available from the IGS website, N means LAS files are not available from the IGS website, C indicates public distribution of LAS files are restricted for a year after the well has been drilled.

  Description source
  IGS

Field PaperLogs ►
  Data type   Text
  Width      255

  Field description
  Y indicates copies of the wireline logs are available from the IGS website.

  Description source
  IGS

Field DirSurvey ►
  Data type   Text
  Width      255

  Field description
  Y indicates Directional Survey is available from the IGS website.

  Description source
  IGS

Field MudLog ►
  Data type   Text
  Width      255

  Field description
  Y indicates Mud Log is available from the IGS website.

  Description source
Field DipLog ►
Data type  Text
Width    255

Field description
Y indicates Dip Log is available from the IGS website, N indicates Dip does not exists or copy is not available from IGS.

Description source
IGS

Field TempLog ►
Data type  Text
Width    255

Field description
Y indicates a Temperature Log available from IGS website.

Description source
IGS

Field LithLogType ►
Data type  Text
Width    255

Field description
Indicates the types of Lithologic Logs available from the IGS website.

Description source
IGS

Field DST ►
Data type  Text
Width    255

Field description
Y indicates a Drill Stem Report (DST) available from IGS website.

Description source
IGS

Field HCA ►
Data type  Text
Width    255

Field description
Y indicates a Hydrocarbon Analysis (HCA) is available from the IGS website.

Description source
<table>
<thead>
<tr>
<th>Field</th>
<th>Data type</th>
<th>Width</th>
<th>Field description</th>
<th>Description source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field BHP</td>
<td>Text</td>
<td>255</td>
<td>Y indicates a Bottom Hole Pressure (BHP) Log is available from the IGS website.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field Cuttings</td>
<td>Text</td>
<td>255</td>
<td>Agency where cuttings reside. N indicates unknown existence of any cuttings.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field Core</td>
<td>Text</td>
<td>255</td>
<td>Indicates drill cores were taken, how many, and at what intervals. Core logs are available from the IGS website.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field CountyAPI</td>
<td>Long</td>
<td>4</td>
<td>County code portion of the API number.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field County</td>
<td>Text</td>
<td>255</td>
<td>County name.</td>
<td>IGS</td>
</tr>
<tr>
<td>Field</td>
<td>Data type</td>
<td>Width</td>
<td>Field description</td>
<td>Description source</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>plssTownship</td>
<td>Text</td>
<td>255</td>
<td>PLSS Township code.</td>
<td>IGS</td>
</tr>
<tr>
<td>plssRange</td>
<td>Text</td>
<td>255</td>
<td>PLSS Range code.</td>
<td>IGS</td>
</tr>
<tr>
<td>plssSection</td>
<td>Long</td>
<td>4</td>
<td>PLSS Section Number.</td>
<td>IGS</td>
</tr>
<tr>
<td>plssQQSection</td>
<td>Text</td>
<td>255</td>
<td>PLSS (quarter) quarter section code. For example, NW SE would be read as: the northwest quarter of the southeast quarter of the section.</td>
<td>IGS</td>
</tr>
<tr>
<td>FNL</td>
<td>Double</td>
<td>8</td>
<td>Distance north of section boundary to well location in feet according to permit.</td>
<td>IGS</td>
</tr>
</tbody>
</table>
Field FEL ►
Data type: Double
Width: 8

Field description
Distance east of section boundary to well location in feet according to permit.

Description source
IGS

Field FSL ►
Data type: Double
Width: 8

Field description
Distance south of section boundary to well location in feet according to permit.

Description source
IGS

Field FWL ►
Data type: Double
Width: 8

Field description
Distance west of section boundary to well location in feet according to permit.

Description source
IGS

Field GroundElevation ►
Data type: Double
Width: 8

Field description
Ground elevation above sea level in feet.

Description source
IGS

Field KellyBushing ►
Data type: Double
Width: 8

Field description
Kelly bushing elevation above sea level in feet.

Description source
IGS
Field TotalDepth
  Data type  Double
  Width  8

Field description
Measured depth of well below ground elevation.

Description source
IGS

Field FieldName
  Data type  Text
  Width  255

Field description
Name of oil/gas field name as designated by the Idaho Department of Lands. Wildcat refers to wells drilled outside of a known oil/gas field.

Description source
IGS

Field IBMG_num
  Data type  Text
  Width  255

Field description
Retired identification code used by Idaho Bureau of Mines and Geology (now Idaho Geological Survey).

Description source
IGS

Metadata Details
  Metadata character set  utf8 - 8 bit UCS Transfer Format
  Scope of the data described by the metadata  dataset
  Last update  ⇔2023-05-25

ArcGIS metadata properties
  Metadata format  ArcGIS 1.0
  Standard or profile used to edit metadata  FGDC
  Created in ArcGIS for the item  2023-05-24  12:14:39
  Automatic updates  Have been performed  No

Metadata Contacts
  Metadata contact - publisher
    Organization's name  Idaho Geological Survey

  Contact information  ⇆
Phone
    Voice 208-885-7991

Address
    Type physical
    Delivery point 875 Perimeter Dr.
    City Moscow
    Administrative area ID
    Postal code 83844-3014
    Country US
    Delivery point Morrill Hall, 3rd Floor

Metadata Maintenance ►
    Maintenance
        Update frequency as needed

Thumbnail and Enclosures ►
    Thumbnail
        Thumbnail type Image file