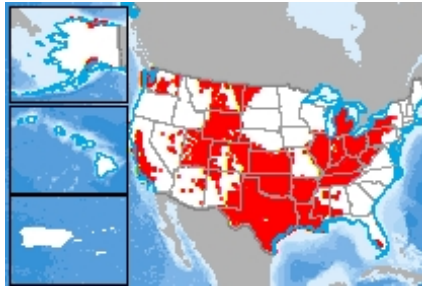# Onshore Oil and Gas Wells

File Geodatabase Feature Class

Tags

Well, homeland security, homeland defense, emergency response, Oil Well, Natural Gas Well, Storage Well, name, type, status, facility characteristics

Summary

This feature class/shapefile contains Oil and Natural Gas Wells for the Homeland Infrastructure Foundation-Level (HIFLD) Database (https://gii.dhs.gov/HIFLD) as well as the Energy modeling and simulation community.

Description

This feature class/shapefile represents Oil and Natural Gas Wells. An Oil and Natural Gas Well is a hole drilled in the earth for the purpose of finding or producing crude oil or natural gas; or producing services related to the production of crude or natural gas. Geographic coverage includes the United States (Alabama, Alaska, Arizona, Arkansas, California, Colorado, Florida, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Michigan, Mississippi, Missouri, Montana, North Dakota, Nebraska, Nevada, New Mexico, New York, Ohio, Oklahoma, Oregon, Pennsylvania, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wyoming) as well Oil and Natural Gas wells in the Canadian provinces of British Columbia and Manitoba that are within 100 miles of the country's border with the United States. According to the Energy Information Administration (EIA) the following states do not have active/producing Oil or Natural Gas Wells: Connecticut, Delaware, District of Columbia, Georgia, Hawaii, Iowa, Idaho, Massachusetts, Maine, Minnesota, North Carolina, New Hampshire, New Jersey, Rhode Island, South Carolina, Vermont, and Wisconsin. Some states do have wells for underground Natural Gas storage facilities where these have been identified they were included. This layer is derived from well data from individual states and provinces and United States Agencies. This layer is complete for the United States but further development of data missing from two Canadian provinces and Mexico is in process. This update release includes an additional 497,036 wells covering Texas. Oil and gas exploration in Texas takes advantage of drilling technology to use a single surface well drilling location to drill multiple bottom hole well connections to extract oil and gas. The addition of Well data from Texas results in the addition of a related table to support this one surface well to many bottom hole connections. This related table provides records for Wells that have more than one bottom hole linked to the surface well.

Credits

Oak Ridge National Laboratory (ORNL), Argonne National Laboratory (ANL), Decision and Infrastructure Sciences Division, National Geospatial-Intelligence Agency (NGA) Homeland Security Infrastructure Program (HSIP) Team

Use limitations

None (Public Use). Users are advised to read the data set's metadata thoroughly to understand appropriate uses and data limitations.

Extent
West -160.023750   **East** -74.457660
North   71.069597   **South** 25.880895

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

You are currently using the Item Description metadata style. Change your metadata style in the Options dialog box to see additional metadata content.