

National Oil and Gas Gateway



Where Water and Energy Mix - IOGCC & GWPC
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By
Shirley Neff, Senior Advisor

What is the National Oil and Gas Gateway?

National Source for Oil and Gas Data

- The Gateway will be the first publically available website of well level data across the U.S.
- Drawing from the active data systems of the producing States, this consolidated data source will provide a dynamic and timely view of U.S. oil and gas well activity.
- The Gateway will include innovative map designs, simplified filters, and an intuitive interface that will make running sophisticated queries quick and easy.

Collaborative Effort

- States and other data providers - source of the data and users of the Gateway for cross-jurisdictional inquiries and map services.
- GWPC - project management and collaborative nucleus of the Gateway.
- DOE - Support of vision and funding.
- EIA - input for developing the dataset and applications, hosts the Gateway and are heavy consumers of state well-level data sets.
- EPA - input for developing the UIC dataset.
- National Energy Technology Lab (NETL) - Funds Gateway and other projects for GWPC and will be heavy consumers of Gateway data.

National Oil and Gas Gateway Benefits

- Provides a robust, transparent portrait of State activity within a national context which is not currently available.
- Easier access to data for viewing intra- and inter-basin activity in adjoining States.
- Minimizes States' staff hours spent responding to external inquiries.
- Invaluable tool for public, industry, government, academic researchers, financial analysts and others who want a simple way to access and analyze well level data across the U.S.
- By streamlining the data gathering process the Gateway will reduce the public resources EIA currently uses to calculate monthly production estimates, market analysis, forecasting, and assessing emerging plays and technology.
- Gateway data will improve the information EIA provides to the public on a weekly, monthly and annual basis.

National Oil and Gas Gateway Website



GWPC | RBDMS | EIA
NATIONAL OIL & GAS GATEWAY

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Welcome to the National Oil and Gas Gateway

Until the 1970s, most oil wells were vertical. As reservoirs become more depleted, horizontal drilling techniques cause most wells to deviate at least slightly from true vertical. Horizontal drilling techniques allow for strongly deviated wells which can, given sufficient depth and with the proper tools, actually become horizontal. This is of great value as the reservoir rocks which contain hydrocarbons are usually horizontal, or sub-horizontal; a horizontal wellbore placed in a production zone has more surface area in the production zone than a vertical well, resulting in a higher production rate. The use of deviated and horizontal drilling has also made it possible to reach reservoirs several kilometers or miles away from the drilling location (extended reach drilling), allowing for the production of hydrocarbons located below locations that are either difficult to place a drilling rig on, environmentally sensitive, or populated.

Map View

Text describing the Map View page and functionality

Data View

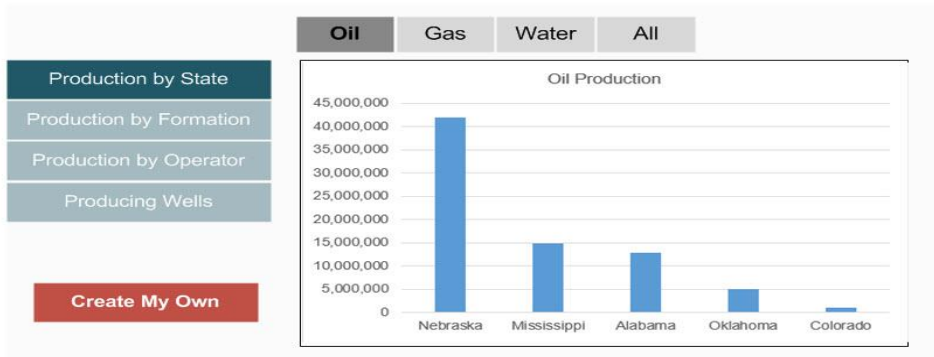
Text describing the Data View page and functionality

DATA VIEWS

[Map View](#)

[Data View](#)

TOP 5



Sample Text

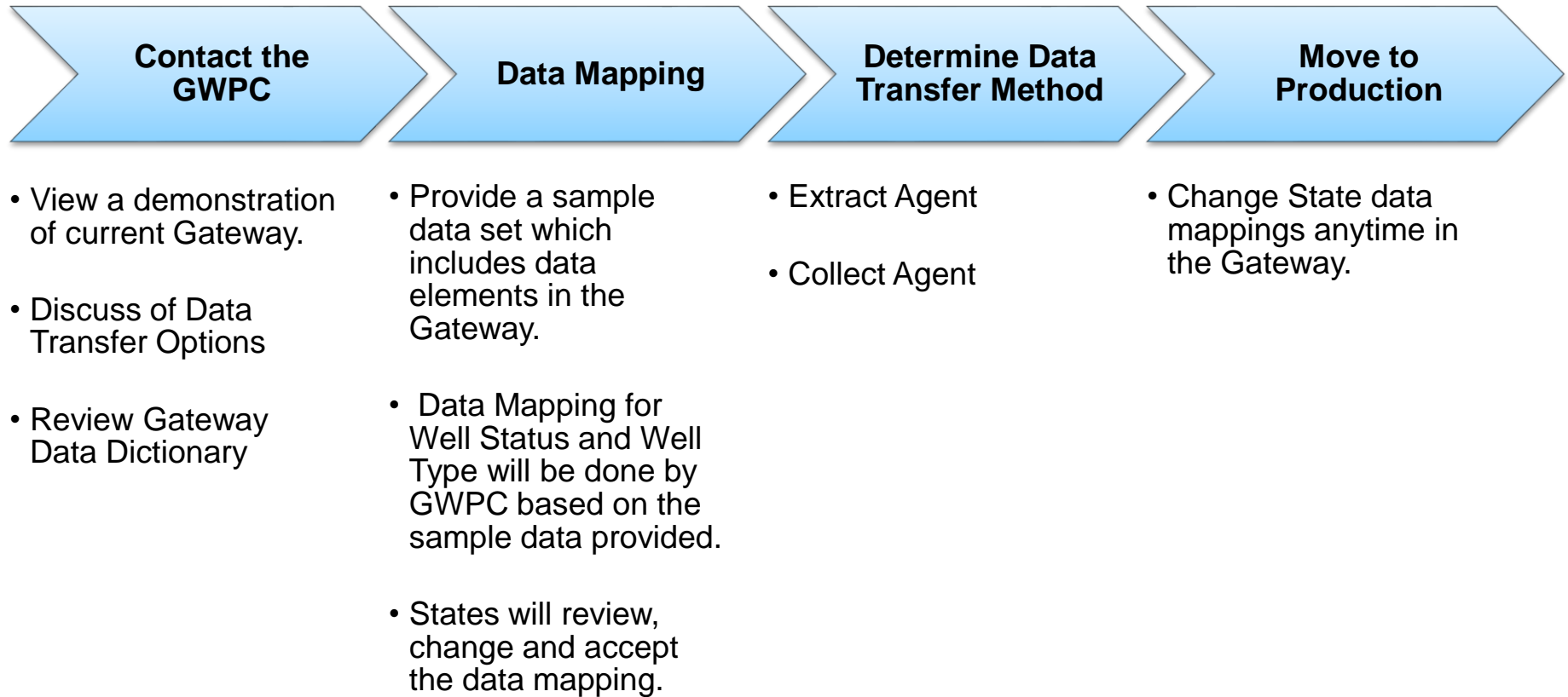
The well is created by drilling a hole 12 cm to 1 meter (5 in to 40 in) in diameter into the earth with a drilling rig that rotates a drill string with a bit attached.

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National Oil and Gas Gateway Features

- Data on Well Identification, Production Data, Completion Information, Geologic Information, Well Test Data, and Underground Injection Control Data
- Refined, intuitive user interface for state well level information
- Administrator Access for States to change data mapping and other settings
- Intuitive Map and Data Functionality
 - Map View: enhanced GIS capabilities
 - Data View: spreadsheet functionality, ability to group by selected data element(s)
- Standard and Advanced Filters
- Wizards for Filters and Downloads
- WellFinder App Integration
 - The Well Finder mobile app will use the data in the Gateway to display basic information on wells based on the user's current location or by selecting areas on a map.
- FracFocus Integration
 - Filtering/displaying wells that have a chemical disclosure reported to FF
 - FF data will only be available for those wells that already exist in Gateway (i.e. the State is a Gateway participant)

State Process to Join the National Oil and Gas Gateway



Contact GWPC – Paul Jehn (208) 892-1400 or (509) 680-2652 (cell) for more information