



Wolfcamp shale drilling rig report

How much natural gas is in the Wolfcamp Shale?

The Wolfcamp shale in the Midland Basin portion of Texas' Permian Basin province contains an estimated mean of 20 billion barrels of oil, 16 trillion cubic feet of associated natural gas, and 1.6 billion barrels of natural gas liquids, according to an assessment by the U.S. Geological Survey.

What is the USGS Wolfcamp Shale assessment?

USGS is the only provider of publicly available estimates of undiscovered technically recoverable oil and gas resources of onshore lands and offshore state waters. The USGS Wolfcamp shale assessment was undertaken as part of a nationwide project assessing domestic petroleum basins using standardized methodology and protocol.

Where is Wolfcamp Shale located?

The Wolfcamp shale is also present in the Delaware Basin portion of the Permian Basin province, but was not included in this assessment. The Permian Basin province includes a series of basins and other geologic formations in West Texas and southern New Mexico. It is one of the most productive areas for oil and gas in the entire United States.

How much natural gas is in Wolfcamp?

USGS estimates undiscovered, continuous, hydrocarbon resources of only the Wolfcamp formation in the Midland Basin to be in excess of 19 billion barrels of oil, 16 trillion cubic feet of natural gas, and 1.6 billion barrels of natural gas liquids (NGL), making it one of the largest hydrocarbon plays in the United States (Gaswirth, et al., 2016).

How many benches are there in the Wolfcamp Shale?

The Wolfcamp Shale is divided into four sections, or benches, known as the Wolfcamp A, B, C, and D (Gaswirth et al., 2017; Gupta et al., 2018). In the Midland Basin, the four benches of the Wolfcamp formation each display different characteristics in terms of lithology, fossil content, porosity, total organic content, and thermal maturity.

What are the four sections of the Wolfcamp Shale?

The Wolfcamp Shale is divided into four sections, or benches, known as the Wolfcamp A, B, C, and D. The Wolfcamp D is also known as the Cline Shale. The most drilled targets to date are the A and B benches.

The following maps show the drilling history and oil and natural gas production of selected, continuous-type low-permeability reservoirs. Selected ...

EIA constructed the Wolfcamp A thickness map in the Midland Basin from subsurface point measurements from 4,220 wells that include both depth to the top and to the ...



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7 rows; The Wolfcamp Shale is an oil and gas formation found throughout the Permian Basin. (See Permian Basin Geologic Break down below.) Historically, development in the Permian ...

The Drilling Productivity Report (DPR) rig productivity metric new-well oil/natural gas production per rig can become unstable during periods of rapid decreases or increases in the number of ...

USGS has confirmed that the Midland Basin Wolfcamp contains some 20 billion barrels of oil, 16 trillion cubic feet of associated natural gas, and 1.6 billion barrels of natural gas liquids.

The Wolfcamp Shale is an oil and gas zone directly below the Spraberry Trend. This is a very significant oil field with rapidly growing production and drilling activity. Some ...

The company assembled seven drilling rigs owned by six different contractors and five fracturing fleets on a mile-long tract of land to build the "Dominator Project."

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Development Drilling The asset sale will enable Laredo to increase its Permian Basin rig count from four to six, Foutch reports. "While we are spending some ...

Having focused on developing unconventional resources in the Spraberry and Wolfcamp formations, Permian Basin operators are now turning ...

Currently, EIA has access to well-level data, including more than 20,000 well logs from the Permian Basin, which are used for map construction. This report contains the ...

Anadarko Petroleum has stepped up its drilling activity in the promising Wolfcamp Shale play in the Delaware Basin of West Texas, where it is currently running six operated rigs, compared to ...

This report contains the Wolfcamp play section, including subsections on the Wolfcamp A, B, C, and D benches in the Midland Basin. EIA will add spatial layers on structure, thickness, and ...

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