

unconventional oil natural gas pdf

An Overview of Unconventional Oil and Natural Gas: Resources and Federal Actions. Congressional Research Service 20. wastewater resulting from shale gas extraction in the Marcellus Shale to storage or treatment centers and final disposal sites in Ohio, Texas, and Louisiana.

An Overview of Unconventional Oil and Natural Gas

Unconventional Oil and Natural Gas Development. Unconventional oil and natural gas play a key role in our nation's clean energy future. The U.S. has vast reserves of such resources that are commercially viable as a result of advances in horizontal drilling and hydraulic fracturing technologies.

Unconventional Oil and Natural Gas Development | US EPA

The energy input used in conventional oil and natural gas production is about 6% of the energy produced. To produce unconventional oil and gas resources the energy required in the process is much more. Extra heavy oil production requires about 20% to 25% Fig 1 - Typical CBM production curves.

Unconventional Oil & Gas Production - IEA-ETSAP

British Columbia has abundant conventional oil and natural gas resources, all production of which currently takes place in the Northeastern B.C. Basin. In 2007, the annual production of natural gas in British Columbia was 1.1 Tcf, with 9.3 MmBbls of oil produced in the province. The total sales value of oil and gas production was \$6.9 billion.

Conventional versus Unconventional Oil and Gas

Unconventional Oil & Gas Demystifying Fracking and Understanding Global Opportunities September 2014. ... Unconventional oil and gas extraction from shale via horizontal drilling and fracturing (often referred to as ... Natural gas has encouraged coal-to-gas switching among electricity producers

Unconventional Oil & Gas - VanEck

sustainability of unconventional oil and natural gas exploration and production; c. identify gaps in available data and appropriate activities to address these topics; d.

Multi-Agency Collaboration on Unconventional Oil and Gas

Figure 1b: Liquid-Fuel Supply (Unconventional Oil/Business-as-Usual) million barrels/day oil-eq. Electric/Hydrogen Biofuels Unconventional Oils Natural Gas Liquids Conventional Oil Natural Gas (Gas-to-liquids, CNG, LNG) Biofuels Natural Gas Liquids Conventional and Transitional Oils Unconventional Oils 20 40 60 80 100 120 million barrels/day ...

UNDERSTANDING UNCONVENTIONAL OIL - carnegieendowment.org

The process to remove all the equipment used for production of unconventional oil and gas and return the site to its original condition and use. Drilling pad A hard standing area for development of drilling wells and production of gas and oil.

Unconventional oil and gas policy: SEA - gov.scot

In addition to shale gas, other types of unconventional reservoirs include tight gas (low-porosity sandstones and carbonate reservoirs) and coal bed methane (CBM “ gas produced from coal seams). Hydraulic fracturing is a known technology and has been used for at least 60 years.

How is Shale Gas Produced? - Department of Energy

domestic production of oil and natural gas from such onshore unconventional reservoirs. These advances, which have taken place over the last several decades, now allow operatorsâ€™ companies that extract oil and natural gasâ€™ to accurately determine the location of a drill bit while drilling thousands of feet horizontally.

GAO-12-874, UNCONVENTIONAL OIL AND GAS DEVELOPMENT: Key

Unconventional gas and oil in North America Page 4 of 24 Glossary Barrel (oil): standard measuring unit for petroleum products, approximately 159 litres. Coal bed methane: natural gas trapped in underground coal seams. The gas is usually produced by pumping water from the coal seam to reduce pressure and release the gas.

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