



Drilling rig glossary of terms

What are the parts of a drilling rig?

Casing - Steel pipe placed in an oil or gas well to prevent the wellbore from collapsing. Completion - The process of making a well ready for production. Derrick - Tower-like structure that supports the drilling apparatus. Drill Bit - The cutting tool used to create the wellbore. Drill Pipe - Pipe that connects drill bit to the drilling rig.

What does a driller do?

Driller - One who operates a drilling rig; the person in charge of drilling operations and who supervises the drilling crew. Drilling Mud or Drilling Fluid - A special mixture of clay, water, and chemical additives pumped downhole through the drillpipe and drill bit.

What is the difference between a drilling rig and an exploratory well?

Electric Rig (SCR): A drilling rig that uses diesel generators to supply power to separate electric motors to power each of the rig's components (silicon-controlled rectifier). Exploratory Well: A well drilled to either search for an undiscovered pool of hydrocarbons or to define the limits of the hydrocarbon-bearing formation.

How many days a rig is operating?

rigs are operating divided by the number of days in the period. For example, one rig operating 182.5 days during a 365-day period is 90.4 rig years (33,000 divided by 365). Rotary Drilling: A drilling method in which a hole is drilled by a rotating bit to which a downward force is applied.

What is a barge rig?

Barge Rig: A drilling rig that is placed on a towed barge for shallow inland water, swamp and river applications. The crown block is an assembly of pulleys mounted on beams at the top of the derrick or mast. The drilling line is raised and lowered in the derrick or mast by the drilling line.

What are the components of a rotary drilling rig?

(shafts, sprockets, chains and clutches) to the various components of the rig. Mud: The liquid circulated through the wellbore during rotary drilling operations. In addition to its function of bringing back subsurface pressures, and deposits a mud cake on the wall of the wellbore to prevent loss of fluids to the formation.

This document provides definitions for various oil and gas industry terms. It defines terms related to drilling such as abnormal pressure, air drilling, annular gas flow, antiwhirl bit, annulus, ...

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Drilling Terminology Quick Reference Manual It contains over 200 specialized drilling terms, covering drill



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tools, procedures, and measurement processes, with English abbreviations and ...

Offshore, the rig includes the same components as onshore, but not those of the vessel or drilling platform itself. The rig is sometimes referred to as the drilling package, particularly offshore. ...

Terms Cautionary Note to U.S. Investors - The ConocoPhillips Glossary of Oil and Gas Terms is intended to be a high-level, informal reference tool for understanding oil and gas industry ...

Comprehensive glossary of well control terms used in oil and gas drilling. Learn key definitions for drilling equipment, processes, and formations.

Explore a detailed A-Z glossary of oil and gas terms, including key definitions like hydraulic fracturing, mineral rights, royalty interest, and more. Simplify complex industry jargon today!

Drilling rig Comprises derrick, draw-works, lifting tackles and blocks, Kelly and rotary table, mud pump and mud circulation system, blowout preventer, and a system for handling drillpipe and ...

Oftentimes the assembly includes a mud motor, directional drilling and measuring equipment, measurements-while-drilling tools, logging-while-drilling tools and other specialized devices.

Using our oil and gas glossary dictionary, learn definitions of industry terms such as acidizing, blowout preventer, hydraulic fracturing, tie-ins, & more.

The oil and gas industry uses lots of specific vocabulary, technical terms and a multitude of specialised terms and not understanding the jargon can leave you ...

Mud Engineer: A mud engineer (correctly called a Drilling Fluids Engineer, but most often referred to as the "Mud Man") works on an oil well or gas well drilling rig and is responsible for ensuring ...

Additional joints of drill pipe are added as drilling progresses. rotary helper n: a worker on a drilling or workover rig, subordinate to the driller, whose primary ...

Mechanical Rig: A drilling rig where the power generated from combustion engines (diesel) is distributed mechanically (shafts, sprockets, chains and clutches) to the various components of ...

Knowing the key terms is essential for effective communication and safe operations. To help you navigate the vast and sometimes confusing ...

land rig n: any drilling rig that is located on dry land. latch on v: to attach elevators to a section of pipe to pull it out of or run into the hole. latch sub n: a device, usually with segmented threads, ...



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daily drilling report n: a record made each day of the operations on a working drilling rig and, traditionally, phoned, faxed, emailed, or radioed in to the office of the drilling company and ...

Discover a complete list of oilfield acronyms, slang, and sayings from A to Z. Perfect for oil and gas professionals, this guide covers industry terms like BOP, ECD, roughneck, and doghouse. ...

Drawworks - The collective name for the hoisting drum, cable, shaft, clutches, power take off, brakes, and other machinery used on a drilling rig. Drawworks are located on one side of the ...

Blowout preventers on land rigs are located beneath the rig at the land's surface; on jackup or platform rigs, at the water's surface; and on floating offshore rigs, on the seafloor. bit n: the ...

bit n: the cutting or boring element used in drilling oil and gas wells. bit program n: a plan for the expected number and types of bits that are to be used in drilling a well. bit record n: a report ...

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In drilling, unless specified, it is considered as the space between drilling string and open hole or casing. Common abbreviations used in drilling industry are TCA (Tubing Casing Annulus) and ...

The using of a rig and crew for the drilling, suspension, completion, production testing, capping, plugging and abandoning, deepening, plugging back, sidetracking, redrilling or reconditioning ...

This document provides definitions for various oil and gas drilling terms. It defines key equipment used in drilling rigs like derricks, drawworks, drill bits, drill ...

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