

Simple diagram of a drilling rig and its basic operation. The kelly drive is #19 A kelly drive is a type of well drilling device on an oil or gas drilling rig that employs a section of pipe with a polygonal ...

Slickline refers to a single strand wire which is used to run a variety of tools down into the wellbore for several purposes. It is used during well drilling operations in the oil and gas industry. In ...

Surface mud systems In the oil drilling industry, effective solids control can be attributed to the overall performance of all the components of the mud systems. Conditioning the drilling fluid ...

Crown block A crown block is the stationary section of a block and tackle that contains a set of pulleys or sheaves through which the drill line (wire rope) is threaded or reeved and is ...

Exploration diamond drilling Drilling rig capable of both diamond and reverse circulation drilling. Exploration diamond drilling is used in the mining industry to probe the contents of known ore ...

Mud pump A mud pump (sometimes referred to as a mud drilling pump or drilling mud pump), is a reciprocating piston/plunger pump designed to circulate drilling fluid under high pressure (up to ...

Derrick/Mast: The derrick or mast is a tall, vertical structure on a drilling rig that supports the lifting and lowering of the drill string during drilling operations.

Whether you're drilling for oil, gas, water, or minerals, each rig is made up of a range of specialized components, each performing a crucial function. So, what are these parts, and ...

Well control is the technique used in oil and gas operations such as drilling, well workover and well completion for maintaining the hydrostatic pressure and formation pressure to prevent the ...

This article lists the main components of a petroleum onshore drilling rig. Offshore drilling rigs have similar elements, but are configured with a number of different drilling systems to suit ...

A workover rig. The term workover is used to refer to any kind of oil well intervention involving invasive techniques, such as wireline, coiled tubing or snubbing. More specifically, a workover ...

Types Mobile offshore Drilling Units (MODU) This type of rig is commonly used in connection with oil and/or natural gas drilling. There are more jackup rigs in the worldwide offshore rig fleet ...

In this simple diagram of a drilling rig, #20 (in blue) is the rotary table. The kelly drive (#19) is inserted



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through the center of the rotary table and kelly bushings, and has free vertical (up & ...

A drill string on a drilling rig is a column, or string, of drill pipe that transmits drilling fluid (via the mud pumps) and torque (via the kelly drive or top drive) to the drill bit.

This document lists and describes 33 essential components of an oil drilling rig. It includes surface equipment like the mud tanks, shale shaker, and mud pump ...

Wireline truck rigged up to a drilling rig in Canada In the oil and gas industry, the term wireline usually refers to the use of cable, or "wireline," to collect ...

What is an Oil Rig? An oil rig is a large, complex structure used to extract crude oil and natural gas from underground reservoirs. It serves as a ...

A bottom hole assembly (BHA) is a component of a drilling rig. It is the lowest part of the drill string, extending from the bit to the drill pipe. The assembly can consist of drill collars, subs ...

Deepsea Delta semi-submersible drilling rig in the North Sea Comparison of deepwater semi-submersible (left) and drillship (right) A semi-submersible platform is a specialised marine ...

Drilling Rig Components Rotary System: The rotary system plays a crucial role in rotating the drill string and, in turn, the drill bit at the bottom of the borehole. * Rotary Table: This is a traditional ...

The top drive allows the drilling rig to drill the longer section of a stand of drill pipe in one operation. [1] A rotary table type rig can only drill 30-foot (9.1 m) (single drill pipe) sections of ...

The Drawworks is one of the most important components of the drilling rig (types of drilling rigs). The unit supplies the hoisting power, the drawworks spools the drilling line as ...



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