



Drilling rig wikipedia

What is a drilling rig?

The term "rig" therefore generally refers to the complex equipment that is used to penetrate the surface of the Earth's crust. Small to medium-sized drilling rigs are mobile, such as those used in mineral exploration drilling, blast-hole, water wells and environmental investigations.

What is an oil rig?

An oil rig is any kind of apparatus constructed for oil drilling. Kinds of oil rig include:

What is an offshore drilling rig?

Offshore drilling rigs have similar elements, but are configured with a number of different drilling systems to suit drilling in the marine environment. The equipment associated with a rig is to some extent dependent on the type of rig but typically includes at least some of the items listed below.

What are the different types of offshore drilling rigs?

These include bottom-founded drilling rigs (jackup barges and swamp barges), combined drilling and production facilities, either bottom-founded or floating platforms, and deepwater mobile offshore drilling units (MODU), including semi-submersibles and drillships. These are capable of operating in water depths up to 3,000 metres (9,800 ft).

What was the first offshore mobile drilling rig?

The first offshore mobile drilling platform was the Hayward-Barnsdall Breton Rig 20, first operated in 1949. This rig had evolved from the inland drilling barges which were used to drill in marshes and protected waters in up to 10 feet of water. The Breton Rig 20 was 160 feet by 85 feet, and could work in 20 feet water depth.

What type of drilling rig is used in underground mining?

Underground mining (hard rock) uses a variety of drill rigs dependent on the desired purpose, such as production, bolting, cabling, and tunnelling. In early oil exploration, drilling rigs were semi-permanent in nature and the derricks were often built on site and left in place after the completion of the well.

Shale shakers Typical shale shakers on a drilling rig Shale shakers are components of drilling equipment used in many industries, such as coal cleaning, mining, oil and gas drilling. They are ...

Ukrainian jack-up rigs in the Black Sea were captured by Russia in 2014. In September 2023 Ukraine stated it has regained control of the jack-up rigs. In the run-up to the annexation of ...

The first rig is in place for Sakhalin-I, Yastreb, is the most powerful land rig in the world. Parker Drilling Company is the operator of the 52 meters (171 ft) high rig. Although the rig is land ...



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Maersk Drilling, also known as The Drilling Company of 1972 A/S, was the drilling-rig operator of Maersk. It was based in Lyngby, Denmark. Established in 1972, the company was a Nasdaq ...

A drilling rig is an integrated system that drills wells, such as oil or water wells, or holes for piling and other construction purposes, into the earth's subsurface. Drilling rigs can be massive ...

A Swivel is a mechanical device used on a drilling rig that hangs directly under the traveling block and directly above the kelly drive, that provides the ability for the kelly (and subsequently the ...

In 1961, Shell Oil successfully converted an existing submersible rig Blue Water Rig No.1 into the first semi submersible drilling unit for operation in the Gulf of Mexico when it was found to have ...

Driller (oil) La Pampa Argentina The Driller is a team leader in charge during the process of well drilling. The term is commonly used in the context of an oil well drilling rig. Driller comes after ...

Drilling rigs are essential machines in industries such as construction, mining, oil and gas, and water well drilling. They are designed to create holes in the ...

Drilling rigs are drilling systems for creating boreholes in the ground. They use drilling fluid (also known as drilling mud) as lubricant and coolant for the drill bit and to clear the cuttings out of ...

Roughnecks on a drilling rig A roughneck is a person whose occupation is hard manual labor. The term applies across a number of industries, but is most commonly associated with the workers ...

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 than other type of mobile offshore drilling rig. ...

The Ocean Star Offshore Drilling Rig & Museum, located in Galveston, Texas, is a museum dedicated to the offshore oil and gas industry. Located next to the Strand National Historic ...

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 ...

Pages in category "Drilling rig operators" The following 31 pages are in this category, out of 31 total. This list may not reflect recent changes.

Nabors Industries Limited is an American global oil and gas drilling contractor based in Houston, Texas. Nabors operates the world's largest land drilling rig fleet, with over 300 rigs operating in ...

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 ...



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Deepwater Horizon in flames after the explosion This list is complementary to the List of pipeline accidents in the United States. Large accidents, qualifying as industrial disasters are included. ...

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 ...

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 ...

Helmerich & Payne Flex Rig drilling the Bakken Helmerich & Payne, Inc. (/ 'helmrIk / HELM-rik) is an American petroleum contract drilling company engaged in oil and gas well drilling and ...

Deepwater Horizon was a floating semi-submersible drilling unit --a fifth-generation, ultra-deepwater, dynamically positioned, column-stabilized drilling rig owned by Transocean and ...

Flow line A flow line, used on a drilling rig, is a large diameter pipe (typically a section of casing) that is connected to the bell nipple (under the drill floor) and extends to the possum belly (on ...

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