



## Drilling rig lingo

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 is the difference between a drill rig and a dope?

Dope: A thick lubricant used on pipe connections. Drill string: A column, or string, of pipe that transmits drilling fluid (via the mud pumps) and torque (from the Kelly drive or top drive) to the drill bit. Driller: The crew supervisor on a drilling rig, working under the toolpusher.

What is the hoisting mechanism on a drilling rig?

The hoisting mechanism on a drilling rig is a large winch that spools off or takes in the drilling line and thus raises or lowers the drill stem and bit. The drill stem and bit are the cutting or boring element used in drilling oil and gas wells. Most bits used in rotary drilling are roller-cone bits.

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 does logging mean in drilling?

Logging - The process of recording information about the geological formations penetrated by a borehole. LWD (Logging While Drilling) - The collection of data about the wellbore during the drilling process. Mud - Drilling fluid used to lubricate the drill bit and carry cuttings to the surface.

What does roughneck mean on a drilling rig?

Commonly found on older drilling rigs that do not have a Top Drive. ROP Rate of penetration - the rate at which you are drilling. Roughneck Person that works in the Oilfield but not in management. Roughneck and Rig Hand both refer to the same position on a rig.

Day Rate The drilling contractor charges a fixed daily rate for its hardware (the rig) and software (the people), plus certain extraordinary expenses. Under this arrangement, the cost of the well ...

Drilling Rig - A drilling rig is the combination of equipment that is used to drill a wellbore. This includes mud tanks, mud pumps, the derrick, drawworks, top drive, drill string, ...

According to Schlumberger's extensive Oilfield Glossary (yes, there is an oilfield glossary dedicated to oil &



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gas technical jargon) describes the vee-door as: an ...

All members in the assembly used for rotary drilling from the swivel to the bit, including the kelly, drill pipe and tool joints, drill collars, stabilizers, and various specialty items.

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

The terms are also subject to change as applicable laws and customary practice evolve. This glossary is an essential tool to help readers talk the talk of the oil and gas industry. Drill into ...

Barge Drilling Rig: submersible rig that sits on the bottom and is used in sheltered, shallow coastal waters, inland waterways or other wetlands Barite: a heavy rock (barium sulfate) with a SG of ...

Shortened form of toolpusher. an employee of a drilling contractor who is in charge of the entire drilling crew and the drilling rig. Also called a rig superintendent, drilling foreman, or rig ...

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

Drill string: A column, or string, of pipe that transmits drilling fluid (via the mud pumps) and torque (via the Kelly drive or top drive) to the drill bit. Driller: The crew supervisor ...

Hello, hope your kelly is high! Today I'm going talk about oilfield words, roughneck, things used in the fields, and some one-liners I've heard over the years.

Drilling Rig Components Select a name from the list or a number on the graphic to see a definition and a more detailed photo of the object. A text version is also ...

A wet gas will contain no liquid above the critical temperature but it will below it. Crown (Crown block): the uppermost part of a drilling rig's derrick. It is fitted with pulleys used in raising and ...

A kelly is the first joint of the drill string used in conventional rotary drilling rigs, and fits into the rotary table and helps to rotate the drill string and bit downhole. Are there others terms you ...

The energy industry's reference work Since 1998, the Energy Glossary has been helping technical generalists and experts alike increase their understanding of ...

Bit breaker A special tool used by the rig crew to prevent the drill bit from turning while the bit sub on top of it is tightened or loosened. Bits have noncylindrical shapes, so the conventional ...



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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 ...

A drill bit is connected to the drill string and is run in the well. The drill string is rotated at the surface, which turns the bit at the bottom of the hole to cut the rock into small pieces called ...

o Bell nipple: An enlarged pipe at the top of a casing string that serves as a funnel to guide drilling tools into the top of the well.  
o Big bear: A big bear is a hitch (see hitch) that lasts a minimum of 50 straight days.  
o Black Leg : Joints of pipe racked back in the derrick.

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 ...

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 ...

Equipment used in drilling. Select a name from the list or a number on the graphic to see a definition and a more detailed photo of the object. A text version is ...

Drilling Rig: A unit used for drilling, such as a drillship or jack-up unit. Dry Gas: Gas composed mostly of methane with no or very little heavy hydrocarbons. ...

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 ...

Drilling rig is a large, complex structure that houses all the necessary equipment for the drilling crew to use for drilling a hole deep into ...



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