

Cause of explosion of buffer tank of down-the-hole drilling rig

Down-the-hole Safety, Maintenance & Troubleshooting ffSafety, Maintenance & Troubleshooting This booklet is designed to help you handle your Epiroc rock ...

Use a welded rigid rod to directly drill down and hook the crossbeam of the buried drill bucket to pull out the drill tool. (5) If the depth after blasting cannot meet ...

Tripping operations in drilling are critical phases where the drill string is either pulled out of the well (tripping out) or run back into the well ...

The down-the-hole drilling rig is a semi-hydraulic rig. Except for the use of compressed air for impact, other functions are realized through the hydraulic system. Therefore, the quality of the ...

A down-the-hole drill, usually called DTH Drilling Rig, is basically a mini jackhammer screwed on the bottom of a drill string. The speedy hammer ...

Good drilling practices include carefully monitoring drill-rig operating parameters, taking careful notes of the changes in geology during drilling, and effectively communicating to the blasting ...

Down-the-hole (DTH) hammer drilling is a method of rock drilling that uses a pneumatic hammer to pulverize the rock at the bottom of the hole. This ...

Down-the-hole (DTH) hammer drilling is often used to drill large, deep holes in hard rock formations or concrete. It is, as the name tries to explain, a hammer ...

An explosion failure occurred in a buffer tank at an oil transfer station. The explosion fragments flew out, causing 2 deaths and 1 injury. To analyze the root cause of the failure, ...

Oil spillage and discharges frequently happen as a consequence of explosion incidents during oilfield drilling; leakage from oil and gas pipelines ...

It outlines the zone classifications and hazardous area definitions for various locations and equipment on offshore drilling rigs including the rig floor, wellhead, mud tanks, mud ditches, ...

The Deepwater Horizon rig was drilling an oil well in the Macondo prospect that was intended to be plugged with cement and then completed ...

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Rig explosions, fires, capsizing/sinking, oil spills, and the loss of workers and marine lives have been the most catastrophic forms of offshore oil and gas drilling disasters in the ...

Tripping operations in drilling are critical phases where the drill string is either pulled out of the well (tripping out) or run back into the well (tripping in). These operations ...

The pump features include a water inlet buffer tank if drilling with an irregular water supply, a dampening system for the pressure return pulses generated by the hammer, and a control ...

Down-the-Hole (DTH) drilling is a technique used to create deep, precise holes in hard rock and challenging ground conditions. In this method, ...

ABSTRACT Since their first production application in Sweden in 1995, water-powered, down-the-hole hammers (WDTH) have been used throughout the world in many different drilling ...

Use a welded rigid rod to directly drill down and hook the crossbeam of the buried drill bucket to pull out the drill tool. (5) If the depth after blasting cannot meet the requirements or the drill tool ...

Active and Reserve A mud tank is classified as either active or reserve. You can find many tanks in one oil rig. While the rig doesn't use all the tanks at once, it does use ...

Pre-explosion risks and precautions Deepwater Horizon drilling rig before the explosion In February 2009, BP filed a 52-page exploration and environmental impact plan for the Macondo ...

Due to the blowout and subsequent explosions, the drilling rig was burnt and two crew members of the drilling contractor (the driller and derrick-man) lost their lives. Some well ...

With the rapid development of social economy, the demand for mineral resources has increased year by year, so mining facilities have also received widespread ...

Understanding the concept of drilling into a gas tank is crucial for anyone who wants to perform this process. Potential risks involved in drilling ...

Figure 1 A drilling rig used for an oil well; note the drill pipe alongside the derrick. In order for a lease pumper to be able to identify and/or ...

Down the hole drilling rig is to make the impactor dive into the hole in the process of rock drilling to reduce the energy loss caused by the transmission of the ...

No amount of explosives expertise and technology can overcome a hastily and ill-informed selection of hole



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diameter, drilling method, and drill rig. At best, it can only hope to ...

How Sparks Training Institute Can Help Stuck pipe is a serious issue in drilling operations that can lead to costly delays and safety risks. By ...

DTH drilling, also known as Down-the-Hole drilling, is a method used to drill boreholes into the earth's surface. This technique involves a hammer that is ...

Down-the-hole D460A drill rig: handles 115-152mm holes up to 35m deep, with a Cummins engine, heavy-duty boom, and hydraulic feed. Includes a 2000 ...

A down-the-hole drill, usually called DTH by most professionals, is basically a jackhammer screwed on the bottom of a drill string. The fast hammer action breaks hard rock into small ...

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. ...

When it comes to drilling techniques, down the hole drilling has been gaining popularity for its efficiency and precision. This method involves using a ...

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