



# Drilling Rig Construction Case Collection

What is a rig HSE Case?

"The HSE Case demonstrates how a Drilling Contractor's organisation applies a systematic risk management approach to maintain and improve HSE and operational performance." Rig HSE Case Situational Assessment  
Drilling HSE Case vs IADC Gap Identification Developing Operational HSE case for existing fleet.

Do Drilling Contractors need a HSE Case?

"All Drilling Contractors engaged with the Company shall have in place a HSE Case developed in accordance with the latest International Association of Drilling Contractors (IADC) HSE Case guidelines for Mobile Offshore Drilling Units (MODU) or Land Unit."

Why do rig contractors need a HSE Case?

HSE Case is a critical document for demonstrating the management of Major Accident Hazards. However PETRONAS CARIGALI is fully committed to ensure Rig Contractors embed the use of the HSE Case in their daily operations and not an HSE Case that "Sits On The Shelf" Macondo Incident

Do you need a safety case for a rig?

In a number of offshore environments, a safety case is required, either by the flag or coastal state or by the operator. Rig owners will hire some suitably experienced and expert organisation to produce the required document, and the result will be submitted for admiration and, in some cases, approval.

How are drill rig samples Paid?

Driven split barrel samples and thin-walled tube samples are paid on an each basis. Rock core of various sizes is paid by the linear foot (meter). We pay the contractor to mobilize the drill rigs whether on land, or water (floating) or on water using a stationary platform (typically, a jackup barge).

Do you pay the contractor to mobilize the drill rigs?

We pay the contractor to mobilize the drill rigs whether on land, or water (floating) or on water using a stationary platform (typically, a jackup barge). Unless there are extenuating circumstances, we pay the estimated quantity of drill rigs, provided the minimum percent working time requirements of the specifications are met.

The energy industry relies on efficient extraction. Selecting the correct rig is paramount, as it influences both productivity and profitability. ...

Our drilling rigs have earned their reputation for reliability and resilience on the toughest drilling sites. We take pride in our meticulous in-house design, ...

Drilling Rig: 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.

The driller or consultant finds a suitable location to meet the specified purpose of the well and a preliminary design is established. Once the drilling rig is set up, the drilling process itself may ...

Understanding the equipment and tools used in drilling rigs is essential for petroleum engineers and drilling engineers alike. These professionals rely on a wide array of ...

A collection of drilling rig models can be showcased in several ways. A dedicated display case, or a series of cases arranged in a cohesive manner, allows for organized ...

There are various types of drilling accessories and drilling machine here, which can be selected according to different drilling environments. It is ...

3. Preventive measures 1) Before the drilling rig is in place, the construction site should be leveled and compacted, and the drilling rig should be adjusted to a horizontal state. ...

Drilling operation is a complex process that involves boring a wellbore to extract oil or gas. The process of drilling involves several stages including boring, circulation, and casing. ...

A digital twin framework for gear rack drilling rigs is proposed, built upon an understanding of the digital twin composition and characteristics of the gear rack drilling rig ...

3.1.1 Soil Drilling A wide variety of equipment is available for performing borings and obtaining soil samples. The method used to advance the boring should be compatible with the soil and ...

We develop a digital plan for intelligent drilling execution that enables efficient handoff to a digitally informed completion team for optimal hardware and fluids delivery to prepare the wellbore and ...

Oil rig construction is a spectacular feat of engineering that feeds the world's insatiable desire for energy. These massive tasks, which are often ...

Hengwang Group provides various construction machinery mini excavators, large excavators, medium excavators, wheeled excavators, bulldozers, rough terrain forklifts, electric forklifts, ...

Direct rotary drilling is more expensive than percussion drilling and it requires more space for a larger drill rig and settling pit. Well development is required to remove the bentonite drilling fl ...

ZSIM is committed to scientific and technological R& D, drill rig manufacturing, technical training and services in the field of mining, tunneling, underground space excavation, infrastructure ...



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A digital twin framework for gear rack drilling rigs is proposed, built upon an understanding of the digital twin composition and characteristics of the gear rack drilling rig lifting system.

The estimated quantity is determined by considering total linear feet (meters) of drilling, project design schedule, and estimated linear feet (meters) of drilling per rig day accounting for ...

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We are ready to help you create custom equipment cases that meet your unique requirements. Cases that are customized, designed, and created by our team are being used in oil fields, ...

Editor's note: This story first appeared in the November-December 2022 issue of Offshore magazine. Click here to view the full issue. By Justin ...

Rotary Drilling Rigs: The Ultimate Solution for Pile Foundation Construction Rotary Drilling Rigs Introduction, What Is Rotary Drilling Rig? ...

to add to the resea n automated drilling rig would reduce human error, m hazards/accidents, and increase drilling efficiency. nes the design procedure and the steps adopted by our building an ...

Drilling Terms and Abbreviations Abandon - A well is "abandoned" if it is found to be a dry hole, noncommercial, or once it ceases to produce oil and/or natural gas in commercial quantities. ...

To do this, large construction projects use foundation drilling rigs to create drilled shafts. Also known as drilled piers, caissons or bored piles, drilled shafts are ...

INTRODUCTION Drilling and well construction (probably one of the most expensive features of a geothermal direct use project) is often the least understood. This chapter provides the basics ...

An automatic drill string friction sensing method was introduced to acquire real-time friction data during drilling, which corrected the drilling ...

The tools and techniques used in the horizontal directional drilling (HDD) process are an outgrowth of the oil well drilling industry. The components of a horizontal drilling rig used for ...



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