



# Drilling Rig Construction Case

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

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.

What are oil and gas drilling rigs?

Oil and gas drilling rigs are very complex systems that contain thousands of processes which must operate 24 hours a day in remote environments and harsh weather conditions. New drilling rig construction can require more than a billion dollars of investment.

How much does it cost to build a new drilling rig?

New drilling rig construction can require more than a billion dollars of investment. The process has lots of interdependencies and there are many different failures that can occur. As a result, the operational and financial characteristics of a system during setup and production are often difficult to predict.

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.

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."

Water usage is an increasingly important metric in today's drilling projects. Our dewatering technology uses flocculation and coagulation methods to provide up to 90 percent water ...

In combination with specialized rock drilling tools like Down-Hole-Hammers (DHH) or Air Core Barrels, the powerful rotary drill rigs of Malcolm's nationwide equipment fleet can be used to ...

To do this, large construction projects use foundation drilling rigs to create drilled shafts. Also known as



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drilled piers, caissons or bored piles, drilled shafts are ...

equipment shall be used to ensure that the equipment will be adequate to complete the project. Equipment list is to include, but not be limited to: drilling rig,

RPI Construction Equipment specializes in selling, servicing, and renting piling driving equipment, drilling rigs, clamshell buckets, crane rock grapples and ...

1. Full-rotation cast-in-place pile construction machinery configuration Main equipment and components: 1. Full casing full rotary drilling ...

Existing simulations focused mainly on drilling, but Transocean aimed to create a digital twin of the entire well construction process, including non-drilling stages ...

Learn about Casing While Drilling (CWD), a method that combines drilling & casing installation for faster, safer, and more cost-effective well ...

GUIDELINES FOR PREPARING DRILLING CONTRACTS The Geotechnical Engineering Bureau provides earthwork and foundation engineering services for the design and construction of ...

FlexRig®; Fleet Solutions FlexRig®; Fleet Solutions A revolution in rig design More than 20 years ago, H& P pushed the industry further through the development ...

The final resolution of the enforcement case may result in changes to the initial proposed alleged violation (s). The intent of these reports is to ...

In-Situ machining - new build jack up oil drilling rig case fixation system X-Y-Z milling, flange facing and laser alignment Over a period of one month, Goltens ...

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 ...

While the construction of offshore drilling rigs remains very slow with still no orders being placed, at least some newbuild units that have been ...

Drilling the Bakken Formation in the Williston Basin Large hole drilling rig for blast-hole drilling A drilling rig is an integrated system that drills wells, such as oil or water wells, or holes for piling ...

Abstract--Oilfield offshore and onshore drilling rig structures are center part of oil and gas exploration because the rig derrick and mast structures are essential piece of equipment for ...



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The full rotary drilling rig with casing is an advanced piling technology that utilizes steel casing for wall protection during bored pile ...

The experience of arranging sites with complex engineering and geological conditions for various technological operations at oil and gas wells is given: installation of ...

Shandong Yahe heavy industry - professional small and medium-sized rotary drilling rig manufacturer Shandong Yahe Construction Machinery Co., Ltd., ...

HSE Case Content PART 1 HSE Case Introduction PART 2 Drilling Contractor's HSE Management System PART 3 Rig Description and Supporting Information PART 4 Risk ...

Corrosion costs the Oil & Gas Industry billions of pounds annually, primarily due to environmental factors such as high salinity, temperature ...

Rig Drilling rigs are structures and systems incorporating several pieces of equipment used for drilling water, oil, or gas wells inland or offshore. They are ...

What Are Its Functions? A drilling rig is the key to all the secrets buried inside the earth. The oil industry basically drills wells to pump crude oil, which moves everything from factories to ...

Caisson drilling is executed in modern construction by using specialized equipment such as drilling rigs, casings, and augers. The process ...

Nabors CDR3 Custom Rig Custom Rig Design and Construction for Nabors In 2006, Nabors Drilling identified a need for a purpose built coiled tubing rig for the North Slope of Alaska. The ...

Poor drilling will extend the time taken for the construction to be completed, with higher costs and losses of time. Improving drilling rigs assists in deeper and more accurate ...

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Rotary Drilling Rig Construction Techniques (Part 4): Operational Best Practices 1. Operator Fundamentals (Look, Listen, Feel) Look: Monitor ...

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 constructed by pouring ...



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