



## Drilling rig failure

If you were injured or your loved one was killed due to a drilling rig failure or collapse, contact the Corpus Christi oil accident attorneys at Bandas Law Firm, P.C. for a free consultation. Se ...

IADC Guidelines Failure Modes and Effects Analysis (FMEA) Failure Mode and Effect Analysis (FMEA) is a tabulation of each item of equipment, its failure modes, and the effects on a ...

The drilling rig is a critical machine in many industries. Discover the solution to increase the reliability and availability of the asset.

There have been interests to link different cuttings/cavings to various wellbore failure types during drilling. This concept is essential when caliper and image logs are not available. ...

Failure of the jacking mechanism caused the Parker rig to collapse in 2003. After being jacked up on location in 1979, the rig Ranger I collapsed due to fatigue ...

The analysis of past incidents is divided into two parts. First, we offer a statistical analysis of offshore incidents triggered by natural events in the Arctic and in similar harsh ...

Offshore drilling operations are expensive, and the numbers of wells are therefore held low, and they tend to be long and complex. The ...

Houston, Texas, June 5, 2014-- The blowout preventer (BOP) that was intended to shut off the flow of high-pressure oil and gas from the Macondo well in the ...

The Alexander L. Kielland rig/platform was fabricated and completed in March 1976; it collapsed on 27 March 1980, whilst in service, ...

Offshore drilling operations are expensive, and the numbers of wells are therefore held low, and they tend to be long and complex. The number of process failures seen in recent ...

In this article, we explore frequent challenges faced by drilling operators and practical solutions to keep operations running smoothly. 1. Equipment Wear and Tear. ...

Introduction Drilling structures are a very important part of the drilling rig; however, these structures are often overlooked because of their static nature. Many activities take place on ...

Understanding the failure analysis of drillstring and its components i.e., drill collar and drilling bit is one of



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The blowout preventer (BOP) that was intended to shut off the flow of high-pressure oil and gas from the Macondo well in the Gulf of Mexico during the disaster on the ...

Hole misalignment through poorly serviced rigs, bad collaring and wandering holes are the foremost factors contributing to stress in the drill string and subsequent tool failure. It is ...

Introduction Due to increased drilling depth, the development of high-angle wells, and the introduction of big displacement horizontal wells, the requirements for the performance of drill ...

Drill Pipe twist off issues in oil and gas wells can cause expensive delays. Learn causes & prevention techniques with twist off drilling.

Swapping out or replacing a Kelly line wire rope is one of the biggest causes of work stoppage and equipment downtime on a drilling rig system. Because of the nature of drilling ...

During the process of well drilling, many unexpected situations may happen. The following are 12 common problems, their possible causes and solutions: 1. Drilling equipment failure. Cause: ...

Alexander L. Kielland was a Norwegian semi-submersible drilling rig that, on 27 March 1980, capsized in the Ekofisk oil field in the North Sea, killing 123 ...

1. Failures in Drill Pipes Drilling operations may encounter several different types of drill pipe issues and failure. These include the following: Twist-off: Occurs ...

In addition to a detailed inspection of the rig before or after the season, in-between checks are just as important for ensuring safety on board. ...

Very often, the most dangerous accidents of drilling operation are oil rig explosion and well blowout. A well blowout is defined as the uncontrolled release of natural gas and/or ...

This article introduces a novel approach for tricone bit wear condition monitoring and failure prediction for surface mining applications. A successful bit health monitoring ...

Understanding the most common drilling rig failures and how to effectively address them is crucial for maintaining safety, productivity, and minimizing downtime.

The sensitivity and diagnostic analysis results provide a more in-depth understanding of system dependence and help develop strategies to prevent failure during ...



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Abstract Understanding the failure analysis of drillstring and its components i.e., drill collar and drilling bit is one of the essential issues in the oil and gas industry for the high cost ...

Encountering challenges during drilling is common in the industry, which is why thorough preparation is crucial. Factors like complex geology ...

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 ...

Malfunctions of the drilling rig are another common problem. Typical malfunctions include: Hydraulic system failure: Hydraulic pump failure, ...

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