FREE COURSE

Hydrostatic Pressure In Oil & Gas Drilling

RIGWORLD

: 24 Hours

: Rig World

: Safety Training

: Oil & Gas

: 365 Days.

Description :

4.9/5

The Hydrostatic Pressure course provides an in-depth exploration of this crucial concept for maintaining well control and ensuring safe drilling operations. The course begins with an examination of the Importance of Hydrostatic Pressure, emphasizing its role in stabilizing wellbore conditions and preventing blowouts. Participants will delve into the Definition of Hydrostatic Pressure, covering fundamental principles, calculations, and their practical applications across various drilling scenarios.

A key focus of the course is the True Vertical Depth (TVD), explaining how TVD is integral to accurate hydrostatic pressure calculations and its impact on effective pressure management. Learners will also investigate the Causes of Reduction in Hydrostatic Pressure, including factors such as Level Drop, which affects pressure due to fluid level changes; Dilution, which impacts pressure through fluid thinning; and Gas Cut Mud, which alters mud density and pressure due to gas intrusion.

The course further explores how Hydrostatic Pressure Changes with Shut-In Pressure, analyzing the effects of shutting in a well on pressure dynamics and its significance for well control. Finally, participants will study the Circulation of Different Density Fluids, understanding how varying fluid densities influence hydrostatic pressure and the importance of managing these changes to maintain well stability. This comprehensive overview equips professionals with the knowledge to effectively manage hydrostatic pressure and ensure the safety and efficiency of drilling operations.

www.e-RIGWORLD.com

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Learning Objective :

- Hydrostatic Definition
- Why TVD is Used to Calculate Hydrostatic Pr
- Reduction HP Due to Level Drop
- Reduction in HP due to Dilution
- Hydrostatic Pr. Change Due to Increase Mud Density
- Hydrostatic Pr. Change With Shut-In pr.
- Hydrostatic Pr. Change due to Circulation of Different Density Fluid

Assessment :

- Candidates must achieve 70 % in the assessments.

System Requirements :

- Internet access - users will need a device with a web browser and internet connection
- System - runs on computers, tablets and mobile devices using Windows 7 and above and MAC OS devices running IOS 11 and above
- Browsers - Edge, Chrome, Firefox and Safari
- Minimum browser size - none
- Audio - requires device speaker or headphones

Accredetations :

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