TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000199

WELL007 - Stuck Pipe Prevention and Fishing Operations



Learn from the Best in the Business!

Course overview

Intermediate level

Why take this course

Stuck Pipe Prevention and Fishing Operations courses provide participants with the knowledge and understanding of the causes of stuck pipe and the means to reduce or eliminate stuck pipe as a significant cause of lost time incidents and related costs.

Stuck pipe is the primary cause of non-productive time and should not be considered as an inevitable drilling hazard.

Our training programme provides a comprehensive coverage in the industry for understanding and preventing the underlying causes of Stuck Pipe, Wellbore Instability, Loss Circulation, and other sources of Non-Productive Time (NPT) in drilling operations.

The course also focuses on correct responses by individuals and teams, early warning signs, and minimizing the impact to drilling operations. Through world-class presentations, practical discussion, and the best reference and instructional materials available, delegates hone their knowledge of basic drilling technology and how it relates to avoiding NPT.

Who it is for and how it helps

This course is designed for drilling superintendents, drilling supervisors and operational drill crew with some drilling experience, looking to upskill and increase competency levels.

What you will learn

- Identify mechanisms and risk factors that lead to stuck pipe incidents (Wellbore Instability, Hole Cleaning, Differential Sticking, and Wellbore Geometry)
- Assess mechanics of wellbore stresses and the impact on wellbore stability
- Analyze trends to identify early warning signs of developing wellbore problems
- Implement effective drilling and tripping practices
- Make cost-effective choices in planning fishing operations

Curriculum

Modules 01–06

01 Introduction, Geology & Rock Mechanic Reminder

- Statistics about NPT due to stuck pipe incidents.
- Rock structure, mineralogy, main characteristics of sedimentary rock.
- Rock mechanic: stress in the ground, stress effect on hole stability.

02 Stuck Pipe Mechanism & First Actions for The Driller

- Differential sticking.
- Mechanical and wellbore geometry sticking.
- Solids induced pack off.

03 Drill String Limits, Mud & Hole Cleaning

- Drill string characteristics, margin of over-pull.
- Mud and hole cleaning.
- Methods to assess and improve hole cleaning.

04 Methods to Free the Drill String

- Use of drilling jars.
- Reduction of the differential pressure.
- Use of lubricant pills.
- Back off methods.
- Recognize the stuck pipe mechanism and analyse the causes.

05 Fishing Equipment

- Description, function and correct use of the main fishing equipment.

06 Preventive Measures

- Good drilling practices while drilling and tripping.
- Teamwork and monitoring.

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000199 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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