

TRAINING COURSE

Stuck Pipe Prevention & Volumetric Stripping

VELESTO
energy

Drilling Academy



Mode	: Virtual Training
Medium	: Microsoft Teams
Duration	: 2 Days

Course Overview

The "Stuck Pipe Prevention & Volumetric Stripping" course is designed to provide participants with a comprehensive understanding of the mechanisms, causes, and prevention strategies associated with stuck pipe incidents in drilling operations. Through a combination of theoretical knowledge, case studies and exercises, participants will learn to identify early warning signs, implement preventive measures, and respond effectively to stuck pipe situations. This course aims to enhance the overall efficiency and safety of drilling operations by equipping participants with the necessary skills and knowledge to prevent and manage stuck pipe events.

This course also provides an overview and understanding of basic well control killing methods (i.e. Driller's method, Wait & Weight method). However, emphasis is given on the Volumetric method. Participants will gain the necessary knowledge to implement and execute the Volumetric well control killing method and relate it to their drilling operations.

Targeted Audience

This course is suitable for anyone involved in or responsible for drilling operations, including rig crews, engineers, technicians, supervisors, and managers, who seek to enhance their knowledge and skills in preventing stuck pipe incidents and improving drilling efficiency.

Course Outline

1. Introduction to Stuck Pipe Prevention
2. Stuck Pipe and Stuck Warning Signs
3. Differential And Hole Pack-off (Shale) Stuck
4. Hole Pack-off (Unconsolidated Formation, Fracture Formation)
5. Wellbore Geometry Stuck
6. Stuck Pipe Case Studies
7. Fishing And Jarring Techniques
8. Volumetric Method

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Training Schedule

Day 01

09:00 – 09:15	Introduction, Objectives and Expectations.
09:15 – 09:45	Pre-Course Test.
09:45 – 10:00	Break
10:00 – 11:15	Introduction to stuck pipe and stuck warning signs
11:15 – 11:30	Break
11:30 – 12:45	Differential and hole pack-off (shale) stuck
12:45 – 13:45	Lunch Break
13:45 – 15:00	Hole pack-off (Unconsolidated formation, fracture formation, cement, junk and settled cutting)
15:00 – 15:15	Break
15:15 – 16:00	Exercise

Day 02

09:00 – 09:15	Recap of Day 1.
09:15 – 10:15	Wellbore geometry stuck
10:15 – 10:30	Break
10:30 – 11:45	Stuck pipe case studies. Fishing techniques.
11:45 – 12:00	Break
12:00 – 13:15	Continue with fishing and jarring techniques.
13:15 – 14:15	Lunch break
14:15 – 15:15	Volumetric Method
15:15 – 15:45	Exercise
15:45 – 16:00	Break
16:00 – 17:00	Feedback and post-test