Course code: 21-41214

Volumetric Stripping

Book at maersktraining.com

AVAILABLE LANGUAGES
English, Portuguese

The 1-day Virtual Volumetric Stripping course gives drilling personnel a solid grasp of gas behavior in wells and the key techniques for stripping drill strings while keeping bottom hole pressure steady. You'll build practical skills to manage well control safely and effectively.

Essential Information

Prerequisites
Although there is no hard prerequisite, delegates are expected to have basic well control knowledge.

Who is it for?
This course suits those involved in drilling operations who need to understand volumetric stripping techniques and well control: Drillers and assistant drillers Toolpushers Rig Managers Drilling supervisors Drilling Engineers Drilling Managers Operations Managers

Assessment
At the end of the course, you will be tested on your understanding and practical skills in conducting volumetric stripping by participating in a: Group Exercise Simulator Exercise End-of-Course Quiz

Certification
On successful completion, you'll receive a Maersk Training certificate recognising your knowledge of volumetric stripping. The certificate does not have an expiry date.

Course content

- **Swabbing**
  Overview of swabbing, how it occurs, and why it is a critical well control concern.
- **Applying Constant Bottom-Hole Pressure Method**
  Principles of maintaining constant bottom-hole pressure during well control operations.
- **Response to Swabbing Event**
  Immediate actions and operational response when a swabbing event is detected.
- **Lubricate and Bleed Well Control**
  Use of the lubricate and bleed method to safely control pressure and remove gas from the well.
- **Migration Rate**
  Understanding gas migration rate and its impact on bottom-hole pressure and well control decisions.
- **Swabbing Incidents**
  Common causes of swabbing incidents and why they happen during well operations.
- **Volumetric Well Control**
  Introduction to volumetric well control principles and their application in managing influx migration.
- **Volumetric Stripping Method**
  Application of volumetric stripping techniques to move pipe while maintaining well control.

Key Learning Objectives

01 LO1 — Explain the causes and risks of swabbing during well operations.

02 LO2 — Describe gas migration rate and its impact on well control and bottom-hole pressure.

03 LO3 — Explain the principles of maintaining constant bottom-hole pressure during well control operations.

04 LO4 — Identify why swabbing incidents occur and the factors that contribute to them.

05 LO5 — Describe the correct response actions following a swabbing event.

06 LO6 — Explain the principles and application of volumetric well control.

07 LO7 — Describe how the lubricate and bleed method is used to manage well pressure and remove gas safely.

08 LO8 — Explain the purpose and application of the volumetric stripping method while maintaining well control.