

COILED TUBING INTERVENTIONS

PRD012

COURSE DESCRIPTION

Coiled Tubing is one of the most common technologies used for well intervention daily throughout the oil industry during drilling, completion, and mainly production phases of oil and gas wells around the world. This course covers the surface and pressure control equipment, the bottom-hole assembly components, the details of the different types of interventions performed with Coiled Tubing and how to deal with fatigue and corrosion. Participants will also learn to calculate the string operating limits and the volumes and rates during nitrogen interventions. The final part presents an extensive coverage of emergency responses and contingencies to deal with in a wide variety of scenarios.

A generous amount of time is spent in practical exercises, and technical concepts are enhanced with pictures, videos and numerous real field cases and problems. Participants will gain the knowledge to actively and efficiently participate in Coiled Tubing intervention's planning, design, and/or execution.

COURSE GOAL

To enhance the participants' knowledge, skills and abilities necessary to successfully understand different types of interventions performed with Coiled Tubing and how to deal with fatigue and corrosion.

COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Understand When should coiled tubing be utilized.
- Understand fundamental properties and characteristics of coiled tubing.
- Be familiar with coiled tubing hydraulics and related equipment.
- Understand CT applications in completions and production.
- Determine potential problems and hazards.

WHO SHOULD ATTEND

- Drilling and completion engineers.
- Production engineers.
- Surface/subsurface engineers.
- Operations engineers and service company managers.
- Field engineers.
- Supervisors and operators.

COURSE DURATION

5 Working Days

COURSE OUTLINES

- Overview
 - Historical perspective.
 - When should coiled tubing be utilized?
- Fundamental properties & characteristics of coiled tubing.
- Coiled tubing hydraulics & related equipment.
- CT applications in completions.
- CT applications in production.
- Potential problems & hazards.
- Completion applications.
 - Borehole cleanout.
 - Perforating.
 - Logging.
 - Stimulation.
 - Fracturing.
 - High-pressure operations.
- Operational limits.
- Life estimation (fatigue).
- Corrosion.
- String management.
- Checklists.
- Nitrogen.
- Emergency responses and contingencies.

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