Coiled Tubing Operations

OBJECTIVES

By the end of this training course, participants will learn to:

- Manage and execute coiled tubing interventions
- Increase overall operational performance during coiled tubing interventions
- Select the most commonly used downhole tools and explain their function
- Work safely with liquid nitrogen

TRAINING METHODOLOGY

- This training course wire line operations and techniques training course will be presented using properly designed slides, some and animation on relevant issues. A printed manual containing all the slides and/or electronic form in PDF will be delivered to each attendant. Teaching methods include also pre and post evaluation test on related issues.

ORGANISATIONAL IMPACT

Organisation will gain (direct and indirect) the following:

- Employees who receive training have increased confidence and motivations
- Lower cost of production – eliminates risks because trained personnel are able to make better
- Lower turnover – brings a sense of security at the workplace which in turn reduces labor turnover
- Change management – involvement of employees in the change process

PERSONAL IMPACT

Personnel will gain the following:

- Manage and execute coiled tubing interventions
- Increase overall operational performance during coiled tubing interventions
- Select the most commonly used downhole tools and explain their function
- Work safely with liquid nitrogen

WHO SHOULD ATTEND?

This training course is designed for those involved in the production optimization and well intervention operations:

- Production technologists
- Production engineers
- Operations engineers
- Field technicians
- Reservoir engineers

Course Outline

Coiled Tubing Equipment

- Coiled Tubing Services
- Coiled Tubing Equipment
- Surface CT Equipment
- Downhole Equipment

Well Control Equipment

- Barrier theory
- Primary, secondary, and tertiary barriers
- BOP types
- Strippers
- Riser and flange connections

Coiled Tubing Application

- CT String and Pipe Management
- Data Acquisition
- Depth Control
- CT Applications
- Matrix Stimulation with CT
- CT Logging
- Nitrogen

Job Design

- Introduction to Job Design
- Safety and Operational Standards
- Job Design - Risk Analysis
- Downhole Tools

Acidizing and Stimulation Techniques

- Damage mechanisms
- Chemistry of carbonate acidizing
- Acid treatment design in carbonate
- Fluid selection for carbonate acidizing
- Chemistry of sandstone acidizing
- Acid treatment design in sandstone
- Fluids selection for sandstone acidizing
- Additives used in acidizing and their functions