

# 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

