



New Completion and Well Intervention

Course Duration : 5 Days

Course Fee : \$ 4490 per person

Date : 14-Jul-2024 to 18-Jul-2024

Location : Kuala Lumpur

Summary:

This course will be focusing on the role of engineers and field operators when it comes to planning and executing the Intervention Operations to maintain and increase field production and therefore add to the profitability and recoverable reserves. This course will also explain the significance and importance of the team concept as a factor in optimizing operations success.

By the end of this course, attendees will have an understanding of the industry's advanced technologies in field of designing and executing Intervention jobs in their respective operations. They will have knowledge of selecting the appropriate method for the particular operation and perform the task in a safe and efficient manner.

Objective:

Upon the successful completion of this course, participants will be able to:

- Plan, design, manage and execute completion operation
- Improve the overall operational performance during workover operations
- Select or recommend completion equipment for given field conditions and applications
- Select the most commonly used downhole tools and explain their function
- Gain in-depth knowledge of the variable nature of well intervention.
- Learn the best practices of completion string design & installation.
- Identify coiled tubing applications.



- Appraise well control barrier philosophy & testing during well interventions.
- Enumerate the purpose, types, and methods of well intervention
- Select the best intervention method for a specific purpose
- Describe major equipment and tools used
- Adopt the basic well-intervention procedures
- Explain the associated risks during well intervention

Daily Program:

Day 1

Workover and Completion Methodology

- Production System
- Purpose of Well Completion
- Types of Well Completion

Risk Management

- Well Problem and Analysis
- Production Problems

Well Control

- Live Well Intervention
- Kill Fluids

Day 2

Cement Bond Logs

- Evaluation
- Tool Design
- Interpretation
- Radial Cement Evaluation



Perforating

- Types of guns
- Perforation methods

Fracture Gradients

- Fracture pressure determination
- Field determination

Sand Management

- Sand Control
- Reasons for sand production
- Problems with sand production
- Prediction of sand production
- Control methods
- Latest Technologies

Day 3

Cement Squeezing

- Squeeze operations

Acidizing

- Matrix acidizing
- Fracture acidation

Rigless Operations

- Typical equipment
- Snubbing units
- Wireline units



Day 4

Coil Tubing

- CT design
- CT system components
- CT applications

Fishing Operations

- Fishing tools
- Fishing with tubing
- Fishing with wireline

Day 5

Completion Management

- Project Management
- Communication

Production Casing & Tubing Design

- Casing design
- Tubing design

Artificial Lift

- Usage of AL systems
- Selection of AL system