

Workover and Completions-(Well Intervention)

Course Price

£3250

Course Description

This 5-day course emphasizes the role of engineers and field operators in planning and executing the Intervention Operations to maintain and increase field production and thus add to the profitability and recoverable reserves. It also emphasizes the significance of the team concept as a factor in optimizing operations success. The course is highlighted with open discussions and problem solving shared by the instructor and participants.

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.

Course Objectives

To provide an in-depth knowledge of the theoretical and practical aspects of Well Intervention operations. At the end of the course delegates will learn about the many processes involved Well Intervention operations, about Well Intervention equipment, how to plan a Well Intervention, and how to execute a Well Intervention operation.

Who Should Attend

Drilling, completion, workover and production engineers and managers. Reservoir and geology engineers, field maintenance supervisors and operators. Service companies and equipment manufacturing engineers. Safety engineers and personnel selected by their companies for attending special training courses.

Course Content

- Workover and Completion Methodology
- Risk Management



- Well Problem and Analysis
- Well Control
- Cement Bond Logs
- Perforating
- Fracture Gradient
- Sand Management
- Cement Squeezing
- Acidizing
- Rigless Operations
- Coil Tubing
- Fishing Operations
- Completion Management
- Production Casing & Tubing Design
- Artificial Lift
- Conclusions

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

Conclusions

CPD Unit



Continuing Professional Development

35 HOURS CPD