

Introduction to Oil Well Service & Work over



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Introduction:

Well servicing and work over is concerned with maintaining production from wells. Cleanout and work over involves the reconditioning of wells that are no longer producing properly. This introductory training course introduces the subject of these operations. The course gives some basic facts about the petroleum industry in general and well servicing and work over in particular.

- This course is an introduction for engineers, technologists, service personnel and others involved directly or indirectly with the planning and programming of completion and work over operations. This course provides an overview of key considerations in well completion and work over design, and a fundamental explanation of well/service equipment and operations. Technical explanations of common practices are given, along with troubleshooting hints.

Who Should Attend?

Completion, Well Servicing or Work over Engineers and Supervisors, with client or service companies, familiar with well control operations, Drilling Engineers, Senior Drilling Engineers, Drilling Supervisors, Work over Engineers, Petroleum Engineers, Completion Engineers, Tool Pushers, Reservoir and Senior Reservoir Engineers, Geologists, Production Engineers, Well site Engineers, Foremen, Industry Personnel



Objectives:

By the end of this course delegates will be able:

- To provide the required comprehensive knowledge and skills for well servicing and work over
- To select the right means for well intervention
- To write well servicing or work over programs
- To supervise well servicing or work over operations

Course Outline:

Reasons and Well Intervention Means on Production Well

- Intervention means classification
- Well intervention main reasons
- Measurement
- Maintenance
- Well remedial and work over
- Main intervention means: wire line, coiled tubing, snubbing, work over rig

Review of Completion, Wellhead & BOP Stack Set Up:

- Review of completion installation and equipment technology
- Standard completion
- Intelligent completion
- Multi-zone gravel pack completion
- Deep water completion fitted with sand control equipment
- Review of wellhead set up
- Review of BOP stack set up versus company rules

Well Servicing

- Safety issue during well servicing operations
- Intervention equipment set up
- Study of different well servicing cases
- Standard completion
- Tubing less completion
- Intelligent completion
- Multi zone gravel pack completion
- Deep water completion fitted with sand control equipment
- Light intervention case study

Workover:

- Safety issue during workover operations
 - Main operations
 - Well neutralization and means
 - Xmas-tree removal
 - Workover rig and BOP stack installation
 - Workover operation
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- Fishing operation
 - Operation risk evaluation versus well operation cost and budget
 - Depleted reservoirs
 - Losses and potential reservoir damage
 - Well kick-off after well intervention
 - Study of different well work over cases
 - Standard completion
 - Tubing less completion
 - Smart completion
 - Multi zone gravel pack completion
 - Deep water completion fitted with sand control equipment
 - Work over case study