

# FUNDAMENTALS OF SLICKLINE OPERATIONS

**DRL038**

## COURSE DESCRIPTION

Slickline Operations introduces the techniques and technologies involved in working with slickline and braided wireline. The course is a practical approach to special slick line applications and detailed description of downhole tools: procedures and tools for fishing and perforating, types of landing nipples, shifting tools, plugs, circulating devices, procedures and kickover tools for installing/retrieving GLM valves and subsurface safety valves.

## COURSE GOAL

To enhance the participants' knowledge, skills, and attitudes necessary to gain a clear understanding of the primary operations and need for Slickline in the oil and gas industry.

## COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Be familiar with slick line unit
- Use pressure control equipment
- Determine tools string components
- Be familiar with running and pulling tools
- Be familiar with locks, standing valves and landing nipples
- Operate flow control equipment
- Understand running – setting – equalizing and pulling process
- Use shifting tools
- Be familiar with and use service and remedial tools
- Understand gas lift operations
- Understand fishing operations

## WHO SHOULD ATTEND

- Production Engineers
- Reservoir Engineers
- Slick Line Operators
- Technicians
- Supervisors
- Other personnel involved in slick line operations (completion and well intervention engineers and supervisors) with little or no prior knowledge of slickline.

## **COURSE DURATION**

5 Working Days

## **COURSE OUTLINES**

### **1. Slickline Equipment**

- Slick line Specifications and types
- PCE and Barriers
- Surface Equipment
- Monitoring Equipment
- Alignment Pulley System
- Tool String Insertion Under Well Pressure

### **2. Slickline Tool String**

- Rope Socket
- Stem
- Jars
- Knuckle Joint

### **3. Slickline Operating Tools**

- Gauge Cutter
- Swage
- Impression Tool
- Wireline Spear
- Blind Box
- Wireline Bailer
- Tubing Perforator
- Positioning Tools
- Running Tools
- Pulling Tools
- Plugs types
- Landing nipples
- More tools...

### **4. Gaslift Operations**

- Side pocket mandrel
- Gas lift valves types

- Kickover tool
- Gaslift valve operations (Setting and retrieving)
- Practical Problems

## 5. Fishing Operations

- PCE and Barrier
- Wire line fishing sizes
- Wire line failure and causes
- Fishing tools
- Fishing procedures (planning, execution, etc.)
- Case histories

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