



## Wireline Operations and Techniques

11 - 15 Aug 2024  
Cairo (Egypt)



# Wireline Operations and Techniques

**Ref.:** 15368\_305531 **Date:** 11 - 15 Aug 2024 **Location:** Cairo (Egypt) **Fees:** 3500 **Euro**

## Introduction

Many of today's most vital oilfield operations depend on the use of wireline, a strong, thin length of wire cable mounted on a powered reel. Field operators can run anything from a basic downhole directional survey to the most delicate gamma ray formation log on wireline. They can fire perforating charges at precisely determined downhole locations, back off a string of stuck pipe, retrieve a wrench, or manipulate complex subsurface well pressure and flow controls. This training course covers the development of wireline operations, describes wireline equipment, and describes the various operations diagnostic, troubleshooting, and completion and production maintenance performed using wireline equipment.

## Targeted Competencies

- Define what is meant by 'wireline operations'
- Identify the circumstances in which wireline operations are carried out
- Describe the key steps involved in wireline operations
- Explain the importance of pressure control during wireline operations
- Identify the hazards posed by wireline operations
- Describe the mitigation measures that can be used to control the risks posed by wireline operations
- Explain the actions to take in an emergency situation

## Training Objectives

### At the end of this course, you will learn to:

- Recognize and explain function of, slick line, and wireline equipment
- Recognize and explain function of the Pressure Control Equipment and Bottom-hole assemblies for slick line and wireline interventions.
- Identify common applications for slick line, wireline interventions
- Assess the pros and cons of each intervention and evaluate which intervention type to utilizes for various job problems
- Identify and describe critical job design considerations for each job type of intervention that should be present in a contractor proposal
- Discuss risks associated with each type of intervention and the corresponding mitigation controls recommended for each job type
- Enhance rigless intervention safety, efficiency, and success by applying industry best practices and lessons learned for each job type
- Apply an up-to-date knowledge on wireline equipment, techniques and operations during well completion, servicing, work over and production

## Targeted Groups

- Wireline Operation Engineer
- Wireline Engineer
- Subsurface Engineer

- Production Engineer
- Field Support
- Petroleum Engineers
- Production Technologists
- Geoscience Engineer
- Facility / Process Engineer

## **Course Content:**

### **Unit 1: Well Completion Introduction**

- Introduction to Petroleum Industry
- Well Completion.
- Completion equipment components and its functions.
- Basic Calculations and Conversions

### **Unit 2: Overview of Wireline**

- Wireline types
- Wireline Application.
- Wireline unit components
- Well Barriers / Well Control
- Surface Pressure control equipment

### **Unit 3: Slick Line & Braided Line Tools & Applications**

- Slick line unit
- Pressure control equipment
- Braided Line and Pressure equipment
- Tools string components
- Running and pulling tools
- Locks, Standing Valves and Landing Nipples
- Flow control equipment
- Running - Setting - Equalizing & Pulling process
- Shifting tools
- Service and remedial tools
- Changing Gas Lift Mandrels demonstration
- Running in well

### **Unit 4: Slick line and Braided Line Fishing**

- Wire broken at the surface
- Wire remains visible
- Wire broken downhole
- Blown up the hole
- Wire finder
- Wire grabs
- Fishing Clamps
- Retrieval of fish
- Fishing for tools
- Fishing procedure



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## Unit 5: Electrical Line Operations

- Electric line features
- Electric line equipment
- Electric line operations logging, perforations ,PLT
- Wireline challenges
- Case histories
- Round table discussion



**Registration form on the :  
Wireline Operations and Techniques**

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