

# aractech

Global Learning for Operational Leaders



OIL AND GAS | OG-016

## Wireline Operations and Techniques

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# Course content

## Why Attend

Wireline operations are essential to safe and efficient well intervention, completion, production optimization, and maintenance activities. This course provides participants with practical knowledge of wireline equipment, pressure control systems, downhole tools, gas lift operations, and fishing techniques while emphasizing operational safety, well integrity, and industry best practices.

## Course Methodology

- The course combines technical presentations, practical demonstrations, equipment familiarization, case studies, group discussions, field operation simulations, and hands-on workshops to develop operational competence and safe working practices.

## Course Objectives

- Understand the fundamentals of wireline operations and well completion systems
- Identify and operate key wireline tools and pressure control equipment
- Assemble and deploy wireline toolstrings safely and efficiently
- Perform gas lift valve and flow-control operations
- Apply wireline fishing techniques and retrieval methods
- Strengthen operational safety and well integrity practices

## Target Audience

- Wireline operators and supervisors
- Well intervention engineers
- Production engineers
- Completion engineers

# Course outline

## Detailed course outline

Day-by-day outline for Wireline Operations and Techniques.

### Day 1 - Fundamentals of Wireline Operations and Well Completion

- Understanding the evolution and applications of wireline operations in oil and gas production
- Reviewing well completion systems and downhole equipment configurations
- Identifying wireline units, power systems, and operational support equipment
- Understanding depth measurement systems and wireline instrumentation
- Reviewing wireline cable types, specifications, inspection, and maintenance practices
- Understanding well integrity principles and safe operating limits

### Day 2 - Wireline Tools and Pressure Control Systems

- Understanding the purpose and operation of pressure control equipment
- Reviewing lubricators, stuffing boxes, grease injection systems, and associated equipment
- Understanding toolstring components and mechanical jar operations
- Identifying common wireline service and remedial tools
- Applying running and pulling techniques for downhole equipment
- Understanding flow-control devices, landing systems, and completion accessories

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### Day 3 - Toolstring Assembly and Operational Procedures

- Performing wire inspection and testing procedures
- Rigging up and operating pressure control equipment safely
- Assembling wireline toolstrings using appropriate components
- Operating pulling and retrieval tools for downhole interventions
- Applying shifting tools during production equipment operations
- Understanding sliding sleeve and completion equipment operations

### Day 4 - Gas Lift Systems and Downhole Equipment Operations

- Understanding gas lift systems and mandrel configurations
- Identifying common lock types and their operational applications
- Setting, retrieving, and equalizing flow-control devices safely
- Preparing equipment for open-hole and cased-hole wireline operations
- Performing wireline deployment and retrieval procedures for production equipment
- Applying best practices for gas lift valve inspection, servicing, and storage

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### Day 5 - Wireline Fishing and Electric Line Operations

- Understanding the principles and objectives of wireline fishing operations
- Planning fishing jobs using operational calculations and risk assessments
- Identifying common fishing scenarios and selecting appropriate retrieval methods
- Understanding gas lift mandrel replacement procedures and operational considerations
- Reviewing electric line equipment and operational applications
- Applying operational best practices to improve efficiency, safety, and reliability

# Seminar dates

## Available seminar dates

Live dates and pricing for Wireline Operations and Techniques generated from the course details page.

Date	Location	Format	Fee
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