

Wireline Well Intervention Operations Training Course

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Overview

Wireline Well Intervention Operations Training Course is a one-week intermediate course for wireline supervisors, field engineers, intervention engineers, production personnel, and service crews who leave with a Wireline Job Execution Pack. Participants connect slickline and electric-line selection, barriers, pressure-control interfaces, toolstrings, depth control, downhole tasks, troubleshooting, communication, and closeout into one field workflow. Agile Leaders Training Center delivers this course in wireline well intervention operations.

Who Should Attend

- Personnel responsible for planning, supervising, or coordinating wireline intervention jobs
- Personnel responsible for assembling, rigging up, operating, and monitoring slickline or electric-line equipment
- Personnel responsible for completion, production, and well-service decisions supported by wireline work
- Personnel responsible for pressure-control interfaces, barriers, permits, and operational assurance
- Field and office personnel responsible for job programs, troubleshooting, reporting, and lessons learned

The course assumes participants support well operations or intervention work and leaves out quantitative log interpretation, perforating design, coiled-tubing engineering, and certification assessment preparation.

Departments and Industries

The course supports departments and industries that plan, execute, assure, or use wireline intervention services.

- Well intervention, completion, production operations, and well-integrity functions
- Wireline, slickline, electric-line, pressure-control, and field-service teams
- Oil and gas operators, service companies, and well-service contractors
- Geothermal, underground storage, and other deep-well operations
- Operations assurance, maintenance, logistics, and technical support functions

Learning Objectives

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

- Build a wireline job program from objectives, well status, barriers, and operational limits.
- Compare slickline and electric-line conveyance, toolstrings, and applications.
- Apply pressure-control, rig-up, pre-job, permit, and communication checks.
- Analyze depth correlation, line behavior, tool response, and real-time job indicators.
- Diagnose common operating problems and select fishing or contingency actions.
- Evaluate job results and build a traceable post-job record.

Course Agenda

Day 1: Define the Wireline Job

- Well Objective, Intervention Scope, and Success-Criteria Sheet
- Well Status, Completion Schematic, and Access Review
- Slickline-versus-Electric-Line Selection Matrix
- Operational Limit, Constraint, and Interface Register
- Wireline Job Program and Responsibility Map

Day 2: Prepare Equipment and Barriers

- Surface Unit, Line, Winch, and Measuring-System Inspection Checklist
- Pressure-Control Equipment Stack and Rig-Up Interface Diagram
- Well Barrier Verification and Contingency Control Sheet
- Toolstring Assembly, Connection, Function-Test, and Tally Record
- Permit, Job-Safety, Pre-Job Meeting, and Communication Checklist

Day 3: Execute Downhole Tasks

- Depth Correlation, Zero Reference, and Measurement-Control Method
- Gauge, Sampling, and Data-Acquisition Run Sheet
- Flow-Control Device Setting and Retrieval Sequence
- Sleeve Shifting, Plug Handling, and Mechanical Service Plan
- Line Speed, Tension, Tool Response, and Real-Time Monitoring Chart

Day 4: Troubleshoot and Close the Job

- Line Behavior, Friction, Deviation, and Conveyance Diagnostic Map
- Stuck Tool, Parted Line, Lost Tool, and Recovery Decision Tree
- Fishing Tool Selection and Jarring Contingency Plan
- Abnormal Pressure, Barrier Deviation, and Stop-Work Escalation Protocol
- Post-Job Report, Equipment Return, and Lessons-Learned Record

Day 5: Practice Wireline Job Delivery

- Suggested Exercise: Select Slickline or Electric Line for a Defined Job
- Suggested Exercise: Review a Pressure-Control Rig-Up and Barrier Plan
- Suggested Exercise: Build a Toolstring, Tally, and Depth-Correlation Record
- Suggested Exercise: Diagnose a Stuck-Tool Scenario and Recovery Options
- Capstone Exercise: Present a Wireline Job Execution Pack

Practical Exercises

The course uses suggested activities based on live-well interfaces, incomplete job information, line constraints, downhole uncertainty, and changing operating conditions.

- Suggested activity: convert a well objective and completion schematic into a sequenced wireline job program with limits and responsibilities.
- Suggested activity: inspect a pressure-control stack, barrier plan, toolstring tally, permit pack, and pre-job communication record.
- Suggested activity: interpret depth, line tension, speed, tool response, and surface observations to decide whether to continue, adjust, or stop.
- Suggested activity: close a job with results, discrepancies, recovered equipment, unresolved risks, follow-up actions, and lessons learned.

FAQs

Who suits wireline well intervention operations training, and what does it assume?

Wireline crews, intervention engineers, supervisors, production personnel, and supporting service staff suit the training. It assumes basic familiarity with wells, completions, field safety, and operating procedures.

How does wireline operations training differ from well-log interpretation training?

Wireline operations training focuses on planning, equipment, pressure-control interfaces, conveyance, tool deployment, field execution, troubleshooting, and closeout; well-log interpretation training focuses on deriving formation properties from measurements.

When should a wireline job use slickline or electric line?

Slickline suits many mechanical placement, retrieval, shifting, gauging, and fishing tasks, while electric line supports powered tools, telemetry, measurements, and controlled downhole functions. The choice also depends on well geometry, pressure, task objectives, and operating limits.

How is depth controlled during wireline well intervention?

Depth is controlled through a defined surface reference, calibrated measuring system, line corrections, toolstring tally, correlation markers, run records, and reconciliation of indicated depth with the completion schematic and task response.

What should wireline troubleshooting decisions record?

Wireline troubleshooting records should capture symptoms, depth, line tension, speed, tool response, pressure conditions, barriers, attempted actions, stop criteria, recovery options, authority, and the evidence supporting each decision.

Conclusion

Participants take back a Wireline Job Execution Pack. It combines the job program, selection matrix, barrier and rig-up checks, toolstring tally, depth record, monitoring chart, troubleshooting decisions, fishing plan, and closeout report. The pack makes wireline preparation, execution, deviations, ownership, and follow-up actions traceable from request to handover.

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