TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000517

WELL016 - Wireline Operations



Learn from the Best in the Business!

Course overview

Intermediate level

Why take this course

Embark on a transformative journey into the dynamic world of Wireline Operations with our meticulously crafted 5-day training program, designed specifically for oil and gas professionals seeking to excel in well completion and intervention strategies. This comprehensive course caters to a diverse group of industry specialists, including Wireline and Subsurface Engineers, Production Technologists, and Field Support Personnel. Dive deep into the intricate workings of slickline and wireline equipment, understand the nuances of pressure control, and grasp the critical design considerations essential for crafting effective contractor proposals.

Our curriculum is strategically segmented into five focused modules, each delving into the critical aspects of Wireline Operations. Begin with the fundamentals of well completion, transition through the complexities of wireline and slickline tools, and culminate with advanced electrical line operations. Each module is enriched with interactive elements, from hands-on demonstrations to stimulating case study analyses, ensuring that participants not only learn but also apply their knowledge in real-world scenarios. The program is punctuated with practical sessions that illustrate the latest techniques and address the prevailing challenges faced in the industry.

What sets this program apart is the commitment to enhancing on-site safety and operational efficiency through the dissemination of industry best practices and lessons learned. Participants will leave equipped with the acumen to evaluate intervention types, design robust intervention plans, and implement cutting-edge wireline technologies. With an emphasis on risk management and problem-solving, this training is more than an educational experience—it's an investment in the future of your career and the advancement of industry standards. Join us to bridge the gap between theoretical knowledge and practical expertise, setting the stage for success in the ever-evolving landscape of oil and gas operations.

Who it is for and how it helps

This Wireline Operations training program is ideally suited for a wide range of oil and gas industry professionals looking to deepen their expertise in well intervention and completion techniques. It is particularly beneficial for Wireline Operation Engineers, Wireline Engineers, Subsurface Engineers, Production Engineers, Petroleum Engineers, Production Technologists, as well as Geoscience, Facility, and Process Engineers. Additionally, field support staff and other specialists involved in the planning, execution, and management of wireline operations will find this training invaluable for enhancing their skills and advancing their careers in the oil and gas sector.

What you will learn

- Gain a thorough understanding of slickline and wireline equipment functions, applications, and the technicalities of pressure control equipment

Course overview — continued

- Assess and compare different well intervention methods, understanding their respective advantages and drawbacks to determine the most suitable approach for various operational scenarios
- Develop critical job design considerations and propose comprehensive intervention strategies that align with industry standards and ensure efficiency and success in wireline operations
- Identify potential risks associated with wireline interventions and articulate appropriate mitigation controls to enhance on-site safety and reduce operational hazards
- Apply industry best practices and integrate lessons learned into planning and executing wireline operations to improve overall rigless intervention safety and efficacy
- Update their knowledge base with the latest wireline equipment, techniques, and operational best practices to stay at the forefront of well completion, servicing, workover, and production
- Demonstrate practical skills in using wireline tools and equipment through hands-on sessions and apply theoretical knowledge to real-world scenarios, ensuring a comprehensive understanding of wireline operations

Curriculum

Modules 01–05

01 Fundamentals of Well Completion and Petroleum Engineering

- Introduction to the Petroleum Industry
- Basics of Well Completion
- Overview of Completion Equipment and Functions
- Fundamental Calculations and Units Conversion

02 Wireline Operations and Equipment

- Types and Applications of Wireline
- Wireline Unit Components and Operations
- Well Barriers and Well Control Essentials
- Surface Pressure Control Equipment
- Pressure Control Equipment Safety and Operating Procedures

03 Slickline and Braided Line Techniques

- Distinguishing Slickline and Braided Line Operations
- Tool String Components and Their Applications
- Specialized Tools: Shifting, Service, and Remedial Tools
- Flow Control Equipment and Operations
- Procedures for Running, Setting, Equalizing, and Pulling
- Gas Lift Valves Changeout

04 Advanced Wireline Interventions and Problem Solving

- Best Practices for Rigless Intervention Safety
- Fishing Root Causes, General Fishing Rules and Safety
- Fishing Tools and Their Application
- Fishing Scenarios and Strategies for Dealing with Wire Breaks at Surface and Downhole
- Detailed Fishing Procedures

05 Electrical Wireline Operations and Case Studies

- Features and Functions of Electric Line Equipment
- Electric Line Operations: Logging, Perforation, and Production Logging Tools (PLT)

Curriculum

Module 05 — continued

- Tackling Wireline Challenges: A Discussion on Mitigation and Control
- Case Studies Analysis

Programme instructor



Ivan Budo

Well Intervention professional manager with broad offshore & onshore experience in Wireline and Slickline interventions in challenging Sakhalin operating environment supported by deep technical knowledge of well completion design and wide range of intervention technologies and tools. Skilled in Wireline and Slickline job design, operational management, remote operations technical support and troubleshooting, risk assessment, modification of the existing tools and engineering of the new downhole tools to overcome well challenges.

My field experience was cultivated on industry-top projects of Sakhalin region in various operating environment including:
- Offshore stationary platforms (Rigs / Rigless)
- Offsore Semi-Submersible Rigs
- Onshore Rigs
- Rigless Onshore operations

List of the services flawlessly delivered includes but not limited to:
- Nipple-less and nipple type plugs setting
- Production multi-phase logging in vertical and horizontal wells
- Extra deep wells tractor conveyed logging
- Formation zones isolation via installation of downhole plugs and straddles
- Tubing perforation services
- Memory logging
- Gas lift valves changeout on Slickline and Wireline
- Wireline conveyed Milling and Mechanical Interventions
- SCSSV troubleshooting: Exercise & wash out tools, Puncher tool, Flapper lock open, WRSSV installation
- Wireline and Slickline Fishing operations
- Bailing and Well Remedial operations
- SSD shifting

If you want to learn more about his career path and experience, we highly recommend watching the interview with him, conducted specifically for our Academy https://www.youtube.com/watch?v=hhGA-CI7oE4

Participant ratings

Programme evaluation based on participant feedback

Overall programme rating — 4.9 / 5

Clarity of learning objectives	**4.8 / 5**
Confidence in applying knowledge and skills	**4.8 / 5**
Achievement of learning objectives	**4.8 / 5**
Relevance of content to job tasks	**4.8 / 5**
Suitability of difficulty for the level of preparation	**4.8 / 5**
Increase in knowledge	**4.8 / 5**
Skills development	**4.8 / 5**
Willingness to recommend the programme to colleagues	**4.8 / 5**

18 responses

Joining the programme

Contact the Academy and quote course code 000517 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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