



HARNESS THE POWER
OF KNOWLEDGE

**Wireline and Its Applications:
Mastering Wireline Technologies
for Well Evaluation and
Operations**

TRAIN



Course Overview:

Wireline technology plays a crucial role in well evaluation and operations, providing valuable insights into subsurface formations, reservoir characteristics, and wellbore integrity

This comprehensive 5-day professional training course will provide a thorough understanding of wireline principles, tools, procedures, and applications in various wellbore environments

Course Objectives:

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

1

Grasp the fundamental principles of wireline technology and its applications in oil and gas exploration and production

2

Identify the different types of wireline tools and their functions, including logging tools, perforation tools, and completions tools

3

Understand the wireline operations procedures for various wellbore scenarios, such as logging runs, perforation operations, and completions activities

4

Apply wireline data and interpretations to evaluate reservoir properties, identify potential production zones, and assess wellbore integrity

5

Design and implement wireline programs for specific wellbore objectives, such as formation evaluation, well stimulation, and completions operations

6

Analyze wireline data using advanced software tools and interpretation techniques

Course Agenda:

Day 1: Introduction to Wireline Technology and Well Evaluation

- Delve into the history and evolution of wireline technology in the oil and gas industry
- Explore the regulatory framework and safety standards governing wireline operations
- Discuss the environmental considerations associated with wireline activities and mitigation strategies
- Analyze the applications of wireline technology in various wellbore environments, including exploration, production, and remediation

Day 2: Wireline Tools and Their Functions

- Familiarize participants with the different types of wireline tools and their operational principles
- Discuss the functions and applications of logging tools, including porosity logs, resistivity logs, and fluid content logs
- Explore perforation tools and their role in well stimulation
- Analyze completions tools and their applications in wellbore completions and interventions

Day 3: Wireline Operations Procedures and Data Acquisition

- Understand the wireline operations procedures for various wellbore scenarios, including logging runs, perforation operations, and completions activities
- Discuss techniques for planning and preparing wireline operations, including risk assessment, tool selection, and contingency planning
- Analyze data acquisition methods and quality control procedures for wireline logging
- Explore advanced data acquisition techniques, such as real-time data transmission and data streaming

Day 4: Wireline Data Interpretation and Formation Evaluation

- Understand the principles of wireline data interpretation and formation evaluation
- Discuss techniques for interpreting porosity logs, resistivity logs, and fluid content logs to assess reservoir

properties

- Analyze wireline data to identify potential production zones, evaluate reservoir heterogeneity, and assess wellbore integrity

- Explore advanced wireline data interpretation techniques, such as crossplotting and multivariate analysis

Day 5: Wireline Applications in Well Stimulation, Completions, and Remediation

- Discuss the applications of wireline technology in well stimulation, including perforation design and evaluation

- Analyze the role of wireline tools in completions operations, such as setting completions tools and evaluating wellbore integrity

- Explore wireline applications in wellbore remediation, such as cement evaluation and leak detection

- Network with other professionals from diverse backgrounds within the oil and gas industry to share knowledge and experiences

Who Should Attend:

- Petroleum engineers, reservoir engineers, and completions engineers involved in wireline operations, data interpretation, and formation evaluation

- Production engineers, wellsite supervisors, and field personnel responsible for overseeing wireline operations and wellbore interventions

- Wireline equipment manufacturers and service company personnel engaged in wireline tool design, operation, and interpretation

Course Benefits:

- Develop a comprehensive understanding of wireline principles, tools, procedures, and applications

- Gain hands-on experience in wireline data interpretation and formation evaluation through case studies and real-world scenarios

- Enhance your ability to design, implement, and evaluate wireline operations effectively

- Stay updated on the latest advancements in wireline technologies and interpretation methodologies

- Network with other professionals from diverse backgrounds within the oil and gas industry to share knowledge and experiences