

ADVANCED WELL INTERVENTION IN NATURAL WELLS AND ARTIFICIAL LIFT WELLS

Start Date:	31/08/2026	End Date:	04/09/2026
Categories:	Oil & Gas	Venues:	Seoul
Formats:	In Person	Instructors:	

OVERVIEW

This advanced course explores the design, planning, and execution of well intervention operations in both naturally flowing and artificially lifted wells. It equips participants with in-depth knowledge of the technologies, tools, and best practices used to optimize well productivity and extend well life. The course also addresses risk mitigation strategies and economic considerations for intervention programs.

OBJECTIVES

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

- Differentiate between well intervention approaches for natural flow and artificial lift wells.
- Evaluate and select appropriate intervention tools and techniques.
- Design efficient well intervention programs with minimal downtime.
- Identify and manage operational risks associated with interventions.
- Interpret data to enhance decision-making in real-time intervention scenarios.
- Analyze cost-benefit and return-on-investment for intervention activities.

COURSE OUTLINE

1- Introduction to Well Intervention in Different Well Types
2- Wireline and Coiled Tubing Techniques
3- Hydraulic and Mechanical Intervention Tools
4- Artificial Lift Challenges and Solutions in Interventions
5- Real-Time Data Acquisition and Analysis
6- Safety and Risk Management in Well Interventions
7- Cost-Effective Planning and Execution
8- Case Studies and Lessons Learned

TARGET AUDIENCE

All Supervisory Levels, Production engineers, well intervention specialists, reservoir engineers, and professionals involved in well performance optimization and operations.

METHODOLOGY

Technical lectures, real-world case studies, group discussions, problem-solving workshops, and simulation-based planning exercises.

CONCLUSION

Participants will leave with advanced competencies in designing and managing well intervention operations in both natural and artificial lift wells, enhancing field productivity and operational efficiency.

DAILY AGENDA

Day 1: Well Intervention Fundamentals and Well Types

Overview of well intervention principles, natural flow vs. artificial lift wells.

Day 2: Tools and Techniques

Wireline, coiled tubing, hydraulic/mechanical tools and their applications.

Day 3: Artificial Lift Interventions

Challenges, strategies, and solutions for artificial lift well interventions.

Day 4: Data, Safety, and Execution

Real-time data use, safety practices, and efficient intervention execution.

Day 5: Economic Evaluation and Case Studies

ROI analysis and review of real-world intervention case studies.

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