Advanced Well Interpretation Seminar

COURSE OVERVIEW

This course provides an in-depth understanding of well log analysis, formation evaluation, and subsurface characterization. It covers advanced techniques to improve reservoir assessment, hydrocarbon recovery, and decision-making in exploration and production. Participants will learn to use modern tools and technologies, combining petrophysical, geological, and geophysical data for better analysis. Through case studies, exercises, and expert guidance, they will develop skills to interpret complex well data, identify reservoir properties, and assess formation productivity accurately.

WHO SHOULD ATTEND?

The program is designed for Petro-physicists, geoscientists, reservoir and production engineers, drilling and completion engineers, and exploration geologists looking to enhance their expertise in well interpretation, reservoir characterization, and production strategies. Energy consultants and analysts will refine their technical knowledge to support investment and operational decisions, while academics, researchers, and students will gain insights into advanced well interpretation techniques and industry applications.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:
- Accurately interpret complex well logs and identify key reservoir properties.
- Integrate petrophysical, geological, and geophysical data for comprehensive reservoir evaluation.
- Apply advanced techniques for formation evaluation and hydrocarbon identification.
- Utilize seismic-well correlation for improved subsurface characterization.
- Assess natural fractures, stress regimes, and their effects on well productivity.
- Leverage machine learning and data analytics for enhanced well interpretation.
- Evaluate uncertainties and risks to optimize exploration and production strategies

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:
- Advanced Well Log Analysis
- Formation Evaluation Techniques
- Seismic-Well Integration
- Advanced Petrophysics
- Fracture and Stress Analysis
- Reservoir Fluid Identification
- Data Analytics and Machine Learning Applications
- Uncertainty and Risk Assessment

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded