

Advanced Well Log Interpretation and Quality Control

COURSE OVERVIEW

This course offers training to participants in sophisticated techniques for analysing well log data to evaluate subsurface formations accurately. It covers fundamental and modern logging methods, including electrical, sonic, nuclear, and imaging logs, with a focus on complex geological environments such as carbonates, shaly sands, and shale oil/gas reservoirs. Participants will learn how to identify and correct data quality issues, integrate multiple data sources for improved interpretation, and apply petrophysical concepts to assess porosity, saturation, lithology, and permeability.

WHO SHOULD ATTEND?

The course is designed for geoscientists, Petro physicists, reservoir engineers, logging engineers, and other upstream professionals involved in formation evaluation and reservoir characterization. It is particularly valuable for individuals with prior experience in basic well log interpretation who wish to enhance their expertise in advanced techniques and quality assurance of logging data.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Apply advanced log interpretation methods for reservoir characterization.
- Identify and correct logging errors through systematic quality control processes.
- Integrate multiple log datasets for improved formation evaluation.
- Recognize and mitigate uncertainties in petrophysical analysis.
- Confidently make data-driven decisions for reservoir development and management.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Advanced workflows for log interpretation and data integration.
- Best practices in quality control and error detection in logging data.
- Hands-on exercises with real case studies and datasets.
- Practical insights into reservoir challenges and solutions.
- Guidance from experienced industry professionals.

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