

FUNDAMENTALS OF OPEN-HOLE LOG INTERPRETATION

This is a course designed for log evaluation professionals who want to advance their log interpretation techniques.

Emphasis will be placed on the integration of all available data, understanding the context in which the data are acquired and selection of appropriate methods and parameters.

Common pitfalls encountered in the interpretation process, and their consequences, will be identified. Interpretation exercises are an important element of the course.

The course will cover:

- Definitions of the main petrophysical parameters
- Quick-look log interpretation (including mud log)
- Data preparation, database construction and environmental corrections
- Formation parameters and core analysis data
- Water resistivity estimates
- Relevant fluid property (water saturation) estimates
- Net overburden effect on core porosity and permeability
- Capillarity, fluid distribution, free water level and fluid contacts
- Integrated petrophysical analysis using logs, cores and test data
- Deterministic petrophysical interpretation in shaly sands and carbonates,
- Statistical interpretation in complex lithology formation
- Permeability modeling
- Problem solving quizzes through-out course

More information contact Wallace International, LLC @ jwallace@Wallace-international.com