

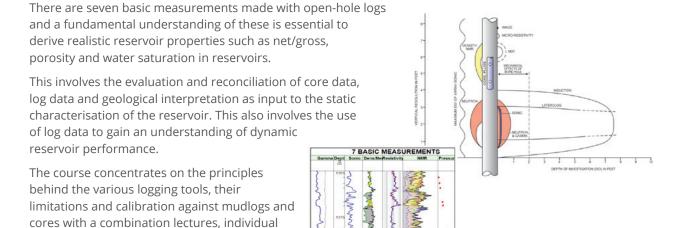
Openhole Petrophysical Interpretation

Designed for:

The course is designed for petrophysicists and staff working in reservoir engineering, geology and geophysicis and other disciplines which interface with petrophysicists in their daily work.



The course deals with the evaluation and reconciliation of core and log data, and the integration of that data into static and dynamic reservoir models.



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Business & Risk Open Air Coaching Master Class

and group exercises, open discussion and

debrief sessions.





Openhole Petrophysical Interpretation continued

Course Content:

Logging Systems and Define the Reservoir

- Introduction to Petrophysics
- Logging Systems and Environment
- Gamma Ray and SP

Pore Systems and Acoustics

- · Theory of Pore Systems
- · Density and Neutron Logs
- Core Acquisition and Routine Analysis
- Sonic/Acoustic Tools

Saturation and Fluid Distribution

- · Resistivity Logging
- Saturation from Logs
- Special Core Analysis
- · Fluid Distribution and Saturation Height
- Pressures and Sampling NMR/CMR Tools

Log Interpretation

- The seven basic log measurements and their principles recap
- The three basic equations converting logs to reservoir properties
- Distinguishing between rock and fluid effects
- Data resolution logs always simplify the geology
- Calibration with core overcoming resolution limitations
- Core Analysis overview
- · Geological interpretation from logs
- Interpreting production performance from logs

Course Duration:

Duration is 3 -5 days.

Courses available from this series:

Basic Geoscience Introduction to Geophysics Geological Application of Well Logs Openhole Petrophysical Interpretation Core Description Production Geology Applied Production Geology Reservoir Model Design Fractured Reservoir Characterisation Geology for Drilling Engineers Reservoir Engineering Applied Reservoir Engineering Well Test Design & Analysis Logging While Drilling Basin Analysis Geomechanics

Course Tutors



Jenny Garnham PhD
Main Series tutoring: Reservoir, Open Air
Industry experience: over 20 years, petrophysics
Career background: Enterprise Oil, AGR and TRACS
Personal: Technical author, SPWLA active member,
PESGB/SPE



Mark Bramwell BSc, PhD

Main Series tutoring: Reservoir, Early Development,
E&P Overview, Open Air
Industry experience: over 25 years, geoscience

Career background: Shell, KUFPEC, AGR and TRACS
Personal: Programme manager for Early Development Series

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