



Geology for Drilling Engineers

Designed for:

The course is aimed at drilling and completions staff without an academic background in geology but who work with geoscientists.

Duration
(days)

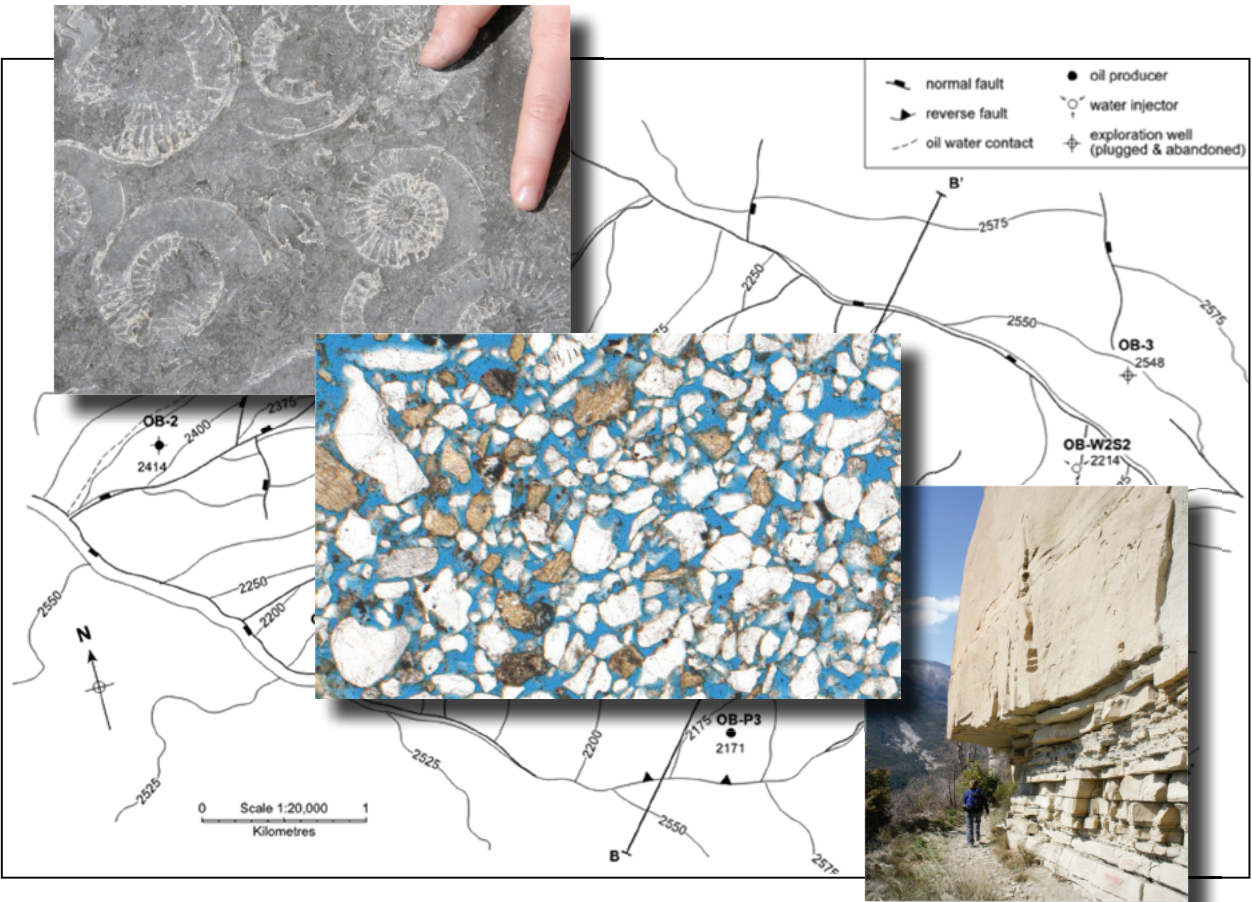


Learning Level:



This course runs through the fundamentals of geoscience as they apply to the drilling environment.

Specific themes are the fundamentals of petroleum geology, the description of basic geological features (including geoscience terminology), geological aspects of well planning, the geological interpretation of drilling results and geological issues surrounding completion design. Case study material for the Ganymede Field will be used through the event, including a hands-on session with the reservoir rocks and an exercise on geological well targeting in the field, including geological interpretation of the resulting drilling outcome.



Early Development
E&P Overview
Reservoir
Wells

Business & Risk
Open Air
Coaching
Master Class





Reservoir Series

Geology for Drilling Engineers continued

Course Content:

Petroleum Systems

- Source rocks
- Reservoirs
- Traps
- Exploration wells

Rock types

- lithology from cuttings and core
- lithology from log data
- the concept of 'facies'
- reservoir types

Geological structures

- terminology
- spotting structures from core and log data
- structural styles

Building a geological model

- correlations between wells
- volumetrics
- well targeting

Drilling the model

- geological aspects of well design
- interpreting drilling results
- near-wellbore geology for completion design

Course Duration:

Duration is 3 days.

This can also be run field-based over 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



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



John Fowler MSc, BSc (Hons)

Main Series tutoring: Early Development, E&P Overview

Industry experience: over 30 years, geoscience and management

Career background: Shell, Maersk Oil and Gas UK, AGR and TRACS

Personal: Strategic advice and support on equity determination, business planning

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