Drilling Awareness

Designed for:

Non drilling and entry level drilling personnel who require an understanding of well design, construction and completion as interaction with the drilling community is a significant part of their work.

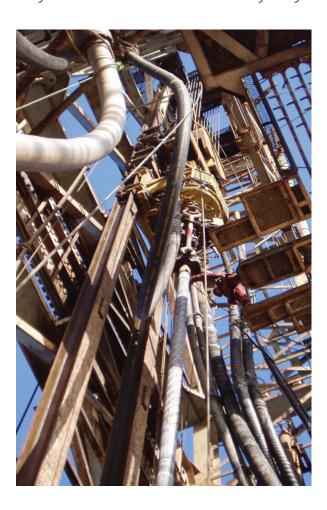
Duration (days)

Skills

Nowledge

Awareness

Drilling Awareness is a course designed to impart a basic understanding of how and why wells are constructed the way they are.



The course considers the issues around selecting drilling targets, drilling to the reservoir safely and efficiently, and drilling through the reservoir where the emphasis is on maximising well productivity.

Drilling rigs, tools and techniques are covered, along with the creation of the interface with the reservoir through perforating and fraccing, and completion equipment including artificial lift.

The course contains a multi-media mixture of formal teaching, exercises and videos, with the course materials comprising printed slidepack and drilling manual.



Drilling Awareness continued

Course Content:

The course covers all aspects of well construction operations including:

Well types and drilling rigs

- Rock geoscience including seismic
- Exploration, appraisal and development wells
- · Types of drilling rigs and rig components

Drilling Process

- Well path design and deviation surveys
- · Bit type and BHA design
- · Drilling fluids selection and management
- · Casing selection and design
- · Cementing operations
- Formation evaluation

Course Duration:

Duration is 2 days.

- · Onshore and offshore operations
- Unscheduled events and blowout prevention

Well Completion

- · Completion components
- · Perforating and fraccing
- Artificial lift
- Sand Control

Course Tutors



Roger McIlroy BSc, MEng, CEng, MEI
Main Series tutoring: Wells and Reservoir
Industry experience: over 40 years, subsurface leadership
production technology and reservoir engineering
Career background: Maersk, BP, Shell, AGR and TRACS
Personal: Chartered Petroleum Engineer, Member of Energy
Institute, Member SPE

Courses available from this series:

Drilling Awareness
Introduction to Drilling
Well Productivity Awareness School (WASP)
Completion Design
Completion Practices
Well Management
Tubing Stress Analysis
Artificial Lift
HPHT Drilling
Integrated Well Planning & Drilling Operations
Operations Geology
Maximising Well Productivity in a Low Oil Price
World
Stuck Pipe Prevention



Donald McMillan Sharples MEng, BSc (Hons)
Main Series tutoring: Reservoir and Wells
Industry experience: over 30 years, petroleum engineering
Career background: Anadrill, Marathon Oil Co, Gaffney, Cline
& Associates, LASMO PLC, Talisman North Sea Ltd, Oilexco
North Sea, Composite (Dart) Energy and AGR
Personal: Technical author, Member of the Society of
Petroleum Engineers



Angelique Robb BSc
Main Series tutoring: Wells
Industry experience: 20 years, petroleum engineering
Career background: BP, Shell, Britannia, Marathon Oil,

Chevron, Oilexco, Leap Energy, AGR and TRACS **Personal:** Black belt in Business Improvement

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Well Integrity Management

Contact training@tracs.com

