

Well Engineering 1

Singapore/ Perth 3 days 2015



TRAINING ACADEMY

For Graduate Well Engineers & other disciplines such as service company personnel to gain fundamental knowledge of well planning and drilling processes

INSTRUCTOR:

Colin Stuart

Managing & Technical Director

- 35 years of wells experience
- Fellow of Institute of Mechanical Engineers
- Specialist in well control, well integrity risk assessment and management, complex well design and HPHT support and training.

COMPANY PROFILE

Independent, innovative consultants to the global energy industry, with diverse oil & gas engineering experience in the area of drilling, complex well design and petroleum engineering consulting and training. We are strategically located in Singapore and Perth, Australia.

In keeping with our client-focused approach to technical problems, Stuart Wright can offer any number or combination of well engineering services tailored to our customer's specific needs. From well integrity management, HPHT wells, root cause investigation, failure analysis, well modelling. We have the experience, expertise and methods to guarantee success.

Course Overview

This course provides an overview of the process to drill and complete a well. This basic well engineering course is aimed to introduce the fundamental notions on geology and reservoir before starting the well design. Therefore the attendees will be given an understanding of the inter-linkages between the design subjects, and how each decision affects those that follow.

Course objective:

- History of Oil and Gas
- Basic concepts of Geology and Geophysics
- Equipment used during well construction on different types of drilling rigs.
- Purpose of drilling fluids
- Purpose of casings and design as per requirement
- Purpose of cementing
- Differentiate the compositions of the drillstring
- Importance of wellbore stability
- Concept of directional drilling
- Concept of logging
- Purpose of completion and various types of completion

Who Should Attend?

- Graduate Drilling/ Well Engineers
- Well Planners
- Drilling Supervisors
- Project Engineers
- Service Providers
- Sub-surface Team
- Oil & Gas Industry Professionals

For registration and all enquiries, contact:

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Course Schedule

DAY 1: INTRODUCTION

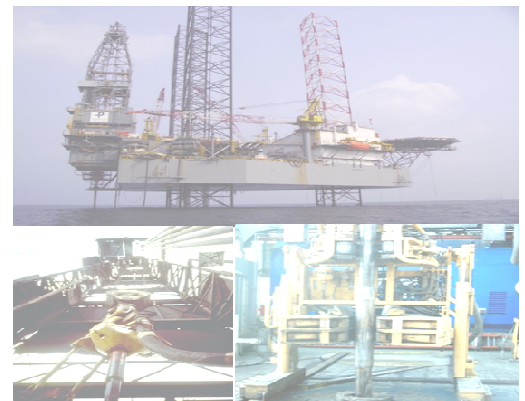
- Well planning
- Petroleum geology
- Basics of reservoirs
- Rock and fluids properties
- Subsurface hazards

DAY 2: CASING DESIGN AND CEMENTING

- Casing design basics
- Cementing
- Drilling fluids

DAY 3: DRILLING BASICS AND OPERATIONS

- Drilling process
- Rig types
- Drill string basics
- Wellbore behaviour
- Directional drilling
- Formation evaluation
- Completions



During the course, attendees will participate in workshops and round table discussions, using real examples, to maximize learning outcomes.