

Well Engineering 2

Singapore/ Perth 5 days 2015

Prerequisite: Well Engineering 1



TRAINING ACADEMY

A comprehensive and concentrated course for Well Planning & Operations Engineers in applied well engineering theory and practice, based on decades of experience across offshore, onshore and multiple complex well projects

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

Skills acquired:

- Well planning principles and method
- Subsurface hazard assessment
- Offset well review method
- Preparing a well cost estimate
- Planning well trajectories
- Trajectory modeling
- Fluid selection basics
- Cementing design and cement job planning
- Drill string hydraulics
- Completion design basics
- Well cost estimating
- Risk assessment methods

Who Should Attend ?

- Operations well engineers
- Well design engineers
- Service personnel involved in operations



For registration and all enquiries, contact:

pearlyn.long@stuartwright.com.sg

8 Kallang Avenue, #13-09 Aperia Tower 1

Singapore 339509

Tel: +65 6303 9988

Fax: +65 6303 9989

www.stuartwright.com.sg

Course Schedule

DAY 1: WELL PLANNING

- Well planning process
- Subsurface prognosis
- Subsurface hazards and risk assessments
- Offset well review
- Well budgeting and AFE process
- Rig selection

DAY 2: WELL DESIGN, FLUIDS BOREHOLE INSTABILITY

- Trajectory design
- Casing design theory
- Casing design modelling
- Mud type and selection
- Borehole stability

DAY 3: ERD TECHNIQUES, CEMENTING, DRILL STRING DESIGN

- ERD techniques
- Stuck pipe avoidance
- Cementing theory, cement job design & exercise
- Drill string design

DAY 4: HYDRAULICS, WELL COMPLETIONS

- Hydraulics theory
- Completions design and selection
- Wellbore perforating
- Hydraulics, torque and drag models
- Hydraulic exercise

DAY 5: WELL COMPLETIONS

- Well testing
- Well handover
- Well intervention planning
- Casing design exercise
- Trajectory design exercise

To maximise learning outcomes, in this concentrated course, attendees will participate in case study exercises using industry standard software, and do homework assignments.