

# HPHT Awareness Training Course

## (2 Days, Office Based)



www.stuartwright.com.sg

### Course Instructor

**Colin Stuart**, HPHT Technical Advisor

Specialist in well control, well integrity risk assessment and management, complex well design and HPHT support and training.

#### DAY 1

##### HPHT Well design

- HPHT Unique Risks/Case Histories
- Well specific design
- Well Planning - Fluids & Cementing
- Rig selection & equipment specifics

#### DAY 2

##### HPHT Well Construction

- Roles and responsibilities
- Managing Wellbore Behaviour
- Bottom Hole Pressure Management
- HPHT procedures
- Well Control response

### Course Details

#### Well Control Supervision and Personnel

- Crew Roles

#### Wellbore monitoring and Response

- Wellbore behaviour
- Mud weight management
- Flow checks
- Wellbore breathing
- Lost circulation management

#### Training, Drills & HPHT wellbore Response

##### Trend Analysis

- Prior to commencing HPHT drilling
- Well control drills
- Fingerprinting

#### Well Control Equipment Requirements for HPHT

- BOP & Accumulators
- MGS
- Choke & Kill Manifold
- Drilling Stand & Kill Single (options)
- Rig Equipment Calibration Testing

#### Activity Specific Well Control Focus

- Well control issues matrix
- Primary & secondary barrier conditions
- Kick prevention
- Activity specific risk assessment

#### Well Control Procedures

- Shut in procedures
- Kill operations minimum standards
- Conventional well control procedures
- Unconventional kill procedures

#### Well Specific Objectives and Hazards

- Hazards
- Well Design specifics

# Stuart Wright Project Personnel Profile



**Colin Stuart**  
*CEO*

Colin has over 37 years experience worldwide as both a Drilling and Petroleum Engineer and established Stuart Wright in 2006.

Colin's experience includes working with Operators and Drilling Contractors in North Sea, USA, SE Asia and Australia.

Throughout his career, Colin has specialized in complex well design and operation including HPHT and deepwater including significant rig site experience.

Colin has led numerous HPHT projects up to 20k psi and 520°F including the first ever 20k psi well.

Colin's experience also encompasses significant experience within well integrity and well control engineering. He also advises government regulators on policies and blow out investigations.

Detailed CV can be provided on request.



**Sean Foo**  
*Well Engineering Supervisor*

Sean is an experienced well engineer with significant experience within HPHT, well integrity and well control engineering. Sean has worked on projects in Australia, Indonesia, Malaysia, Azerbaijan, USA GOM, India and China.

Sean has spent significant time at the rig site both with Stuart Wright and Premium Drilling and can apply his combination of practical and office based engineering expertise to the graduate training.

Sean is an expert WELLCAT user and casing design engineer, having performed numerous projects and training courses for operators.

Detailed CV can be provided on request.