



HPHT WELL INTEGRITY

Manage HPHT Conditions Optimally Through Thorough Understanding and Effective Practices
United Square, Singapore . Please refer to our [Training Calendar](#) for scheduled course dates.



Course Facilitator:

Colin Stuart

Managing & Technical
Director
Stuart Wright Pte Ltd



- Colin has 30 years experience as both a Petroleum and Well Engineer
- Key experience: Well Control support/ risk management, complex Well Design including HPHT, well recovery operations, rig capability and more
- Experienced instructor of technical courses including all aspects of Reservoir Engineering and Production Systems Analysis

Workshop Overview

This course teaches you about HPHT operations and highlights concerns on well planning, challenges, services and material needed and hazards of well control issues including case scenarios to promote attendees participation. Recommendations to improve company guidelines & procedures will be discussed as well as existing and futures challenges in well design and operations. This 3 day course is designed for drilling and completion engineers and supervisors involved in regular operations as well as operations superintendents, managers, or specialists who need to expand their knowledge for the complex nature of HPHT wells.

The importance of adequate rig selection, surface equipment, tubular and connection selection criteria, drilling and completion fluids, gas behavior, well control operations, proper completion equipment selection, special materials for HPHT operational considerations, and detailed timely planning will be emphasized.

Workshop Schedule

Day 1

HPHT WELL DESIGN

- ❖ HPHT Unique Risks
- ❖ Fluid Design
- ❖ Casing Design
- ❖ Cement Design

Day 2

HPHT WELL CONSTRUCTION

- ❖ Well Planning and Documentation
- ❖ Managing HPHT Wellbore Behaviour
- ❖ Managed Pressure Drilling (MPD)
- ❖ Rig and Drilling Equipment Selection
- ❖ Well Control

Day 3

HPHT WELL PRODUCTION AND INTEGRITY

- ❖ Wellbore Evaluation (Logging and DST)
- ❖ Well Completions
- ❖ Production Surface Equipment and Operations
- ❖ Well Integrity Management System (WIMS)

CASE STUDIES, ROUND TABLE DISCUSSIONS & BREAK OUT AT THE END OF EACH SESSION

HPHT WELLS INTEGRITY

ABOUT YOUR COURSE FACILITATOR

Colin is a Chartered Mechanical Engineer, with 30 years experience in the oil and gas industry. He has worked as a consultant for many projects in the North Sea, Australia, USA & Brunei for companies such as BP, SOHIO, AMOCO, Brunei Shell, Santa Fe, and Ranger Oil.

Colin specializes in Well Control Engineering Support, Risk Management, Well Integrity Management, Complex Well Design including High Pressure High Temperature (HPHT) wells, Complex Well Recovery Operations, HPHT Rig Capability Auditing. He has shared his extensive knowledge via several SPE Paper Summaries and was the SPE Forum Co-Chair 2004 for "Completions 2007 & Beyond". He was also closely involved in the extensive design of the world's first ERD/Snake Wells with Smart Completions in Brunei.

Co-Founder with John Wright and Managing Director of Stuart Wright Pte Ltd, Colin has classically trained his in house graduate engineering workforce, including offshore rig crew experience. He has delivered training course to many junior and experienced engineers in the SE Asia region and beyond, including Norway and Australia.

Stuart Wright Client list includes:

- | | |
|------------------------|----------------------|
| ✓ BP Caspian Sea | ✓ Woodside |
| ✓ Cairn Energy | ✓ Respol |
| ✓ CTOC Malaysia | ✓ Sonatrach |
| ✓ Oil Search Australia | ✓ Talisman |
| ✓ Petronas | ✓ Thang Long Vietnam |
| ✓ PTTEP | ✓ TOTAL |

WHO SHOULD ATTEND

- | | |
|--------------------------------|---|
| • Subsurface Engineer/ Manager | • Completion Engineer/ Manager |
| • Workover Engineer/ Manager | • Production Engineer/ Manager |
| • Design Engineer/ Manager | • Drilling Engineer/ Manager |
| • Petroleum Engineer/ Manager | • Reservoir Engineer/ Manager |
| • Operations Engineer/ Manager | • Product Manager – Oil and Gas |
| • Project Engineer/ Manager | • Technical Engineer/ Manager |
| • Well Service Manager | • Personnel working in the service industries involved with HPHT operations |

Course fee/attendee: US\$ 4,590 excluding GST in Singapore (min. 8 attendees required)

Duration: 3 days

Please contact Mr. Elvin Heng, Business Development Manager at Stuart Wright for more enquiries:

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URL: <http://www.stuartwright.com.sg/training-academy/courses/basic-reservoir-engineering>