Well Control Equipment – Hands-on

Course Overview:-

This course is unique in the fact that it's a real time "Hands-On" course developed to widen the students' knowledge and understanding of Well Control equipment.

Course Structure:-

The course will consist of 90% Hands-On and 10% theory. The course will cover all aspects of Well Control Equipment. The training will cover 8 Modules of Hands-On practical training, which are mentioned below and will be implemented in our custom built Training Centre.

Course Duration: - 4 days.

Course Content

Introduction	: -	**Enrolment and Induction**
Module 1	:-	**Koomey BOP HPU**
Module 2	:-	**Triplex Pump**
Module 3	:-	**TR Regulator**
Module 4	:-	**Accumulator**
Module 5	:-	**Cameron U BOP**
Module 6	:-	**Hydril GL Annular**
Module 7	:-	**BOP Control Panel**
Module 8	:-	**Cameron Gate Valve**
Module 9	:-	**Auto Choke**

Course Introduction, Enrolment and Safety Induction.

Module 1 **Main Koomey HPU**

Practical element will include the following:-

- Maintenance procedures performed
- Adjustment pressure relief valve
- Bleed down Accumulator Manifold
- Nitrogen Precharge checks
- Charge up Accumulator
- Inspection of filters and strainers

Module 2 **Triplex Pump**

Practical element will include the following:-

- Strip down of fluid end of pump
- Inspection of all components for wear or damage
- Rebuild fluid end of triplex pump
- Remove Side chain cover and Inspect Chain and sprockets

Module 3 **TR Regulator**

Practical element will include the following:-

- Strip down valve assembly
- Inspection of parts and seal assemblies
- Clean all parts and rebuild TR Regulator
- Write up inspection report on what you found and discuss with lecturer

Module 4 **Accumulators**

Practical element will include the following:-

- Discuss Safety and Hazards while working on Accumulators systems
- Strip down Inspection
- Rebuild Accumulator
- Complete Pre charge checks

Module 5 **Cameron U type BOP**

Practical element will include the following:-

- Carry out inspections on BOP assembly
- Remove ram blocks, strip down, clean and inspect
- Carry out cavity inspections
- Complete an Inspection report on BOP and discuss with lecturer

Module 6 **Annulars**

Practical element will include the following:-

- Strip down Hydril GL 13 5/8” Annular
- Carry out inspections on Annular assembly
- Check for wear and damage
- Inspection and rebuild of Annular
- Complete an Inspection report on Annular and discuss with lecturer

Module 7 **BOP Control Panel**

Practical element will include the following:-

- Students carry out functions on the BOP panel
- Students complete Troubleshooting of faults on panel
- Students carry out simulated pressure testing of BOP on panel

Module 8 **Cameron Gate Valve and Auto**

Practical element will include the following:-

- Remove Gate valve from body
- Inspect all parts for wear or damage
- Rebuild gate valve in body

Module 9 **Auto choke**

- Strip down Auto choke
- Inspect all parts for wear or damage
- Rebuild Auto choke
- Complete an Inspection report on both valves and discuss with lecturer

Final Test and completion of course.