



A COMBINATION OF CLASSROOM TEACHING, RIG COMPLIANCE ANALYSIS AND ON-THE-RIG TRAINING PROVIDED THE SUPPORT OUR CLIENT NEEDED TO COMPLETE A COMPLEX HIGH PRESSURE, HIGH TEMPERATURE (HPHT) WELL ABANDONMENT PROJECT.

Case Study

Client: UKCS Operator,
International Drilling Contractor

Location: UK Continental Shelf

Challenge: To enhance the learning experience and maximise knowledge retention for a complex HPHT Abandonment operation

Solution: To combine various training methods into a coherent training package

“Very engaging discussions on practical applications”

Drilling Engineer

“The instructor was outstanding in course delivery, and extremely knowledgeable of subject matter and soft skills”

Staff Wells Supervisor

Background

Initial discussions with the customer identified the need for additional training for rig crew and operator personnel focused on HPHT operations. Abandonment operations differ greatly from drilling operations, especially in the HPHT arena, so it was agreed that a bespoke package of courses and practical sessions was needed to ensure training was targeted at the relevant areas

Solution

We delivered bespoke classroom training that referenced the specifics of the well and the rig.

Prior to the classroom training, we carried out a compliance analysis for the drilling rig against industry best practices (MCoSP Vol17 and API Std 53), attended the AWOP session organised by the Operator, and compiled HPHT procedures to be included in the Well Control Manual.

Combining the rig and well knowledge obtained from this pre-work, we developed a series of bespoke classroom and rig-floor simulator courses. These were then successfully delivered to the relevant personnel.

This classroom training was followed up by operational coaching on the rig and supplemented by the deployment of a portable drilling simulator to reinforce the learnings from the classroom and the shore-based simulator room.

Outcome

All the local issues that had been identified in the project plan were successfully addressed before execution of the abandonment project. The combination of the classroom and simulator teaching methods ensured that all course participants remained engaged with the project. In addition, the procedures that were trialled in the simulator environment were also transferred to the rig environment so that learnings could be reinforced during the offshore coaching phase.

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