

A giant hydrocarbon exploration company currently operates the Forties & Beryl Fields in the UK Sector of the North Sea. These assets are over 40 years old, with the majority of the producing wells over 25 years of age.

A number of Safety Improvement Notices were issued by the oil giant's HS&E department, highlighting an urgent need for all personnel involved in the design, construction, operation or maintenance of these assets to be well versed in well integrity.

After a discussion with PetroEdge, a bespoke training course was designed to provide the exploration company offshore-based production operations personnel with an understanding of:

- The principles of Well Integrity
- Well Integrity as it applied to the company's Well Stock
- The role production operations personnel had in ensuring well integrity was maintained and any potential loss of well integrity was promptly identified and acted upon

**The course structure covered:**

- Well Integrity Overview
- Well Construction
- Completion Types & Components for the exploration company's Wells (from an integrity perspective)
- Wellheads & Xmas Trees on the company Wells (from an integrity perspective)
- Handover from Drilling to Production
- Well Monitoring by Production Operations Personnel
- Integrity Testing & Verification
- Threats to Well Integrity
- Well Integrity Management
- Course Summary

During the delivery of the course, learning checks were conducted to ensure that all participants had a clear understanding of the topics through group exercises and case study reviews based on well integrity issues that had occurred on the exploration company's ageing assets.

