

WidePak™ Straddle Packer System

Restored Well Integrity in Four Corroded Wells, Saved \$20 Million in Workover Costs

Objectives

- Re-establish well integrity for a Danish operator in four offshore production wells suffering from heavily corroded production tubing. The deployment needed to be performed on wireline and successfully integrity tested without the need for additional heavy workovers.
- Increase operator confidence in straddle deployments due to the existing legacy of poor service quality from previous straddle suppliers.
- Demonstrate the reliability of the straddle packer technology. Prior to the WidePak straddle deployments, the success rate for straddle systems were approximately 40%, resulting in well workovers being the only viable option to overcome integrity issues.

Our Approach

- Weatherford Well Services specialists collaborated with the operator to develop a specific straddle packer solution using available components to build flexible straddle applications.
- Multi-finger calipers were run within the damaged tubing to identify all compromised locations to establish where straddle packers were needed. For each well, two or three straddle packers were custom made for their corresponding landing locations, using restricted-length straddle segments to create straddle lengths between 167 and 265 ft (50.9 and 80.8 m).

Value to Customer

- The Weatherford WidePak straddle solution enabled the operator to re-establish well barrier integrity and enabled the wells to return to production and increase the recovery period of the mature field wells.
- Following deployment of the WidePak straddle packers, all requirements for heavy well-workovers were eliminated in the four wells, saving the operator an estimated \$5 million per well and avoiding significant production delays.
- Following the successful WidePak straddle deployments and subsequent CAPEX and OPEX savings, the operator's confidence in the technology was dramatically increased. With a significant number of wells shut in due to well integrity issues on these mature fields, the WidePak straddle technology will be an important application to increase the lifetime of the wells and increased oil recovery.



The Weatherford WidePak straddle system is a high-pressure packer used for temporary or permanent isolation of tubing sections, perforations, or windows. Its large packer throughbore is set in one run using slickline and enables maximum production after setting as well as many intervention operations.

LOCATION

Denmark, North Sea

WELL TYPE

Offshore, Production

HOLE SIZE

4-1/2 in., horizontal

DEPTH

300 to 8,000 ft (91.4 to 2,438 m)

PRODUCTS/SERVICES

- Well Services
- Thru-tubing completions
- WidePak straddle packer system
- SO tie backs
- ISO EasySet running tool

