



Weatherford®

REAL RESULTS

MORPHISIS® ASPs Isolate Critical Water Contact Zones in Onshore Redevelopment Well to Reduce Costs and Improve Efficiency

Objectives

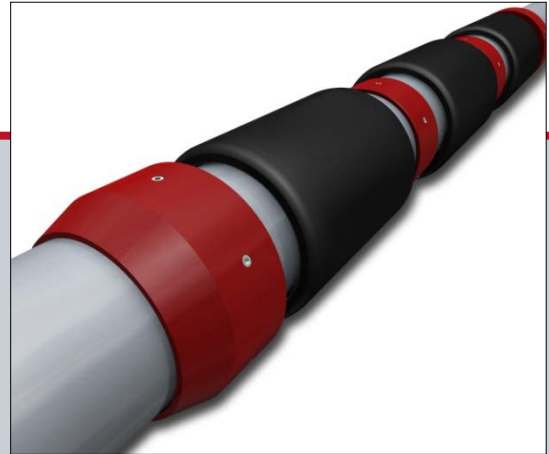
- Provide a cost-effective, simple, and modular isolation solution for a low-pressure water contact zone in an onshore redevelopment well.

Results

- Weatherford's MORPHISIS annulus swellable packers (ASPs) were selected for simplified installations with the use of casing tubulars as mandrels for the swelling-elastomer packers.
- The required modules, stop collars, and end rings were installed, meeting the pressure requirements and offering the operator an on-site customizable option without the added expense and limited economic viability associated with bonded-to-pipe swelling packers.
- Six MORPHISIS ASPs were successfully installed in 4 1/2-in. casing and run with the casing string to target depth, where they were activated by fluid circulated in the wellbore.

Value to Client

- Using MORPHISIS ASPs has saved the operator the cost and operational complexity of cementing and inflatable packer operations and enabled the isolation of critical water-contact zones.
- The simplicity of the MORPHISIS system has enabled the operator to complete the wells faster compared to cementing the well resulting in significant savings in rig time.



Weatherford's MORPHISIS series of annulus swellable packers is a "fit for purpose" modular tool kit that enables operators to install customized swellable packer systems into their tubing or casing joints. Modular swellable elements are installed and sealed on standard API tubulars through a proprietary slide-on tool installation. The short, modular elements rotate and reciprocate freely on the basepipe tubular before setting, increasing the chance of successful deployment through tight doglegs or highly deviated well sections. The combination of Weatherford's advanced swelling elastomer technology and MORPHISIS modular system provides operators with ultimate control over their swellable packer design.

Location
Indonesia

Well Type
Onshore Brownfield redevelopment (oil producer)

Products/Services
MORPHISIS annulus swellable packers

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