

## WidePak Straddle Packer

Isolates Water Zone, Restores Production and Avoids Abandonment

### Objectives

- Isolate a water-bearing interval that threatens to end production in a horizontal offshore gas well. Unless the operator can improve production, the single-well platform will have to be abandoned.
- Remove downhole obstructions that might hinder installation of the straddle packer.

### Our Approach

- Weatherford Well Services specialists collaborated with the operator to conduct a thorough analysis of the well and its water-production problems. The specialists recommended installing a WidePak straddle packer assembly to isolate the water-bearing zone. Their proposal included a milling operation to expand the ID profile of a lower nipple and enable passage of the packers.
- The Weatherford team deployed to the satellite platform along with a straddle-pack system, mill, and downhole motor. A step mill driven by an eCTD motor expanded the lower nipple ID in a single run.
- Using 1,300 ft (396 m) of 2 7/8-in. coiled tubing as a spacer pipe between the packers, the team installed a 4 1/2-in. WidePak straddle packer assembly to isolate the 7-in. liner. The entire system was installed under live well conditions in just two trips and completely isolated the 1,000-ft (305 m) water-bearing interval.

### Value to Customer

- The WidePak straddle packer isolated the water-bearing zone to revive gas production. This enabled the operator to postpone abandonment of the single-well satellite platform for at least 18 months.
- The installation was conducted using a coiled tubing tower, which eliminated the need to mobilize a workover rig and associated deployment time to keep costs down.
- The production increase enabled a return of investment (ROI) in less than 30 days.



The straddle pack installation was run on coiled tubing. The CT tower helped to reduce the costs of the operation.

#### LOCATION

Offshore United Kingdom

#### WELL TYPE

Horizontal gas producer

#### LINER SIZE

7 in.

#### DEPTH

10,400 ft (3,170 m)

#### TEMPERATURE

185° F (85° C)

#### PRESSURE

3,000 psi (20.7 MPa)

#### DEPTH

10,400 ft (3,170 m)

#### PRODUCTS/SERVICES

- Well Services
- Thru-Tubing Fishing and Milling
- Thru-Tubing Completions
- eCTD Motor
- WidePak Straddle Packer

