



Weatherford®

REAL RESULTS

WidePak™ Deep Gas-Lift System Recovers Stranded Mobile Gas, Restores Near-Abandoned Well

Objectives

- Install a gas-lift deepening system to restore a well to production and recover mobile gas, stranded due to water influx. At the time of this installation, the well did not flow and the operator had considered abandoning it since there was no feasible, economic method to recover the stranded gas.
- Perform the operation safely without lost-time incidents.

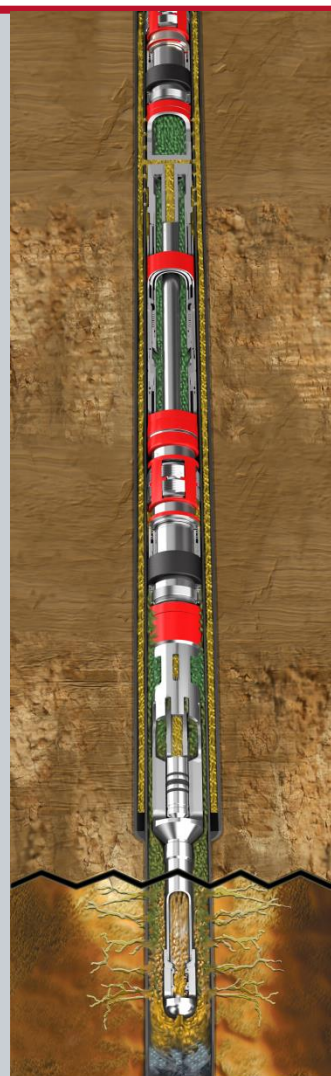
Results

- Weatherford deployed a *WidePak* Deep Gas-Lift (DGL) system with 800 ft (243 m) of 2-in., 16-percent chrome coiled-tubing tailpipe directly above the well's production packer at 12,467 ft (3801 m).
- The lower element of the straddle was set at the measured depth of 12,463 ft (3,798 m) and the upper element at 12,450 ft (3794 m) to straddle holes punched in the production tubing at 12,457 ft (3798 m).
- The system introduced gas down the annulus, through the punch holes, and into the DGL tailpipe extension, injecting into the wellbore below the production packer.
- The well fluids flowed back up the tubing through the DGL crossflow sub within the straddle assembly.
- The large bore of the *WidePak* packer provided optimized flow area for a net production increase of 6 MMscf/d of gas-lifting to surface.

Value to Client

- By using Weatherford's *WidePak* DGL system, the operator was able to inject lift gas down below the production packer directly to the perforated zones on a well that previously had no gas-lift capability.
- The well, which had been shut-in for 2 years due to liquid loading, resumed gas production at a sustained high rate.

Weatherford's ISO 14310 V0-qualified *WidePak* packer runs through the tubing, easily passing ID restrictions, and is set, successfully bridging off large extrusion gaps and sealing against high pressures at high temperatures.



Location
North Sea

Well Type
Offshore, gas injection

Measured Depth
13,388 ft (4081 m)

Installed Depth
12,463 to 12,450 ft
(3798 to 3794 m)

Casing
5 1/2-in., 17-lb/ft (25-kg/m)

Products/Services

- *WidePak* DGL System
- Thru-Tubing Services

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