

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.



LocationNorth Sea

Well Type

Offshore, gas injection

Measured Depth 13,388 ft (4081 m)

Installed Depth 12,463 to 12,450 ft

12,463 to 12,450 f (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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