



Weatherford®

REAL RESULTS

Corroded and Leaky Tubing Remediated with Thru-Tubing Straddle System and Coiled Tubing

Objectives

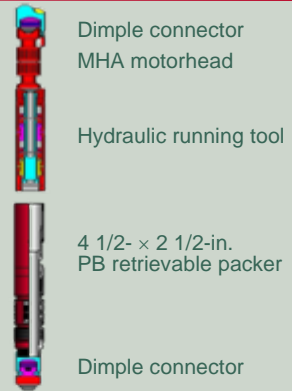
- Repair a corroded 1,312-ft (400-m) section of 4 1/2-in. tubing inside 9 5/8-in. casing. Wireline logs revealed two holes in the tubing allowing flow into the annulus, which had forced well shutdown.
- Restore pressure integrity and production while ensuring well safety in the process.

Results

- A thru-tubing straddle packer system was installed with 2 7/8-in. coiled tubing in the damaged tubing section between the lower packer assembly, at 2,724 ft (830 m), and the upper, at 1,411 ft (430 m). Both assemblies had pump-out subs to ensure two well barriers during installation.
- Pressure integrity and production were restored.

Value to Client

- Production at 3,500 BOPD was restored without the expense of replacing all the tubing.
- Safety was enhanced by restoring well integrity.



Dimple connector
MHA motorhead

Hydraulic running tool

4 1/2- × 2 1/2-in.
PB retrievable packer

Dimple connector



2 7/8-in. CT 019 WT

Client
BP

Location
Norway

Well Type
Oil producer/
wellhead platform

Casing
9-5/8 in., 53.5 lb/ft

Tubing
4-1/2 in., 12.6 lb/ft

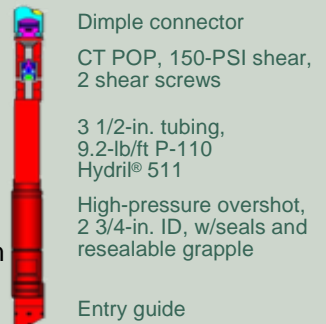
Hole Angle
Installed at 0°, well maximum 43.6°

Formation
Chalk

Lower Packer Depth
2,724 ft (830 m)

Upper Packer Depth
1,411 ft (430 m)

Products/Services
Thru-tubing straddle packer system



Dimple connector
CT POP, 150-PSI shear,
2 shear screws

3 1/2-in. tubing,
9.2-lb/ft P-110
Hydril® 511

High-pressure overshot,
2 3/4-in. ID, w/seals and
resealable grapple

Entry guide

Hydril is a registered trademark of Hydril Company.

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