



# Weatherford®

## REAL RESULTS

### eCTD™ Motor Enables Difficult Cut, Saves Valuable Rig Time

#### Objectives

- Permit pulling and rerunning of the well's upper completion by cutting 5-in., 23.2-lb/ft 25CR 125VS tubing at approximately 16,578 ft (5,053 m), using a positive-displacement motor and a 3-1/2-in. hydraulic cutter. During the operation, a hydraulic barrier in the lower completion would need to be maintained to prevent fluid loss/damage to the producing formation.
- After rerunning the upper completion, a second cut would be made in the tail pipe below the packer. The tail pipe contained a bridge plug and setting tool from a previous operation. The depth of the cut would be approximately 19,396 ft (5,912 m), using a 2-1/2-in. hydraulic cutter. The well had a bottomhole temperature of 400°F (204°C) and was using 17.65 lb/gal cesium-formate kill fluid due to the high bottomhole pressure.

#### Results

- Weatherford's hydraulic cutters and eCTD motors were run to depth and accomplished the cuts. Operating at minimum flow rates due to high pump pressures, the eCTD motors performed all cutting operations, making multiple runs without any resulting loss in performance.

#### Value to Client

- The ability to cut, pull and rerun the upper completion while keeping a hydraulic barrier in the lower completion in place allowed the operator to maintain well control, save expenses by working through tubing, and maximize motor performance and longevity. The procedure also minimized the effects of the operation on the producing reservoir and reduced overall costs.



Weatherford's high-performance drilling-motor technology helped restore production and minimize downtime on this HP/HT North Sea well.

The rugged eCTD motor is designed to perform in today's hotter, deeper and higher bottomhole pressure wells. It features a stator of uniform thickness to provide more consistent performance and offers additional power to minimize stalling and maximize penetration rates.



#### Location

United Kingdom

#### Well Type

Gas well

#### Bottomhole Temperature

400°F (204°C)

#### Products/Services

- Thru-tubing services
- 2 7/8-in. eCTD motor
- Hydraulic cutters