



# Weatherford®

## REAL RESULTS

### Weatherford eCTD® Motor Expands Pay Zone, Overcomes Harsh Environment to Increase Production in German Natural Gas Well

#### Objectives

- Increase the depth and life of a natural gas well by extending the well deeper into the pay zone. Previous use of nitrogen and H<sub>2</sub>S in the well required that durable equipment be used to overcome the harsh conditions.
- Ensure that no fluids are lost into the pay zone to secure maximum flow from the formation.
- Perform the operation safely without lost-time incidents.

#### Results

- Weatherford deployed a 2 1/8-in. eCTD positive-displacement motor with its uniformly-thick, injected elastomer and structurally supported steel tube to successfully extend the well 164 ft (50 m) down into the pay zone in a single trip.
- Maximum flow from the formation was achieved through constant monitoring and control of fluid injection into the well.
- A single bottomhole assembly (BHA) was deployed, eliminating the need for a BHA change out and the associated cost and risks.

#### Value to Client

- The use of Weatherford's eCTD motor enabled the operator to expand the pay zone while eliminating fluid loss, increasing overall production.
- The operation was completed in three days, reducing operating costs.
- The job was completed with a single BHA, enhancing overall safety and eliminating lost-time incidents associated with BHA change outs.



Weatherford's eCTD motor has all the rugged traits of the proven CTD® motor plus many enhancements to perform in today's hotter and deeper wells with declining bottomhole pressures. This positive-displacement motor features a stator of uniform thickness to provide more consistent performance and many other advantages over conventional power section technology. The eCTD motor set the standard for reliable performance in coiled-tubing-deployed interventions and is now more powerful and durable than ever before.

#### Location

Hengstlage, Germany

#### Well Type

Onshore, natural gas

#### Products/Services

eCTD positive-displacement motor

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