



Weatherford®

REAL RESULTS

RwC™ System, CleanReam™ Premium Reaming Shoe Overcome Adverse Hole Conditions, Run Casing to Total Depth in West Texas Well

Objectives

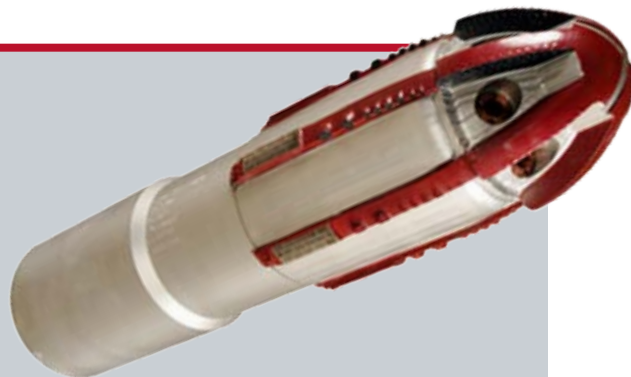
- Run casing in an offset well to TD in a single trip. Previous casing running attempts with an alternative reaming shoe were unsuccessful.

Results

- Weatherford deployed its reaming-with-casing (*RwC*) system, including a 7- x 8 1/4-in. *CleanReam* premium casing reaming shoe. A 7-in. casing was selected, and torque rings were installed to satisfy the added torque requirements in the likely event of a prolonged reaming interval.
- The *CleanReam* shoe's interchangeable nozzles and 6-bladed concentric nose profile dressed with 0.2-in. (6-mm) thermally stable polycrystalline (TSP) diamond cutters provided the hydraulic horsepower and mechanical action to wash and ream the casing through the problem interval where attempts on an offset well had been costly and unsuccessful.
- The tools reamed the casing from curve to target depth (TD), with a deviated 79° inclination in an 8,069-ft (2,459-m) section.
- The *RwC* system and the *CleanReam* tool successfully rotated the casing through multiple tight spots in the final 579 ft (176 m) of the interval.
- The casing was successfully rotated to TD in a single trip.

Value to Client

- Using Weatherford's *RwC* system and *CleanReam* premium casing reaming tool enabled the operator to run casing to TD through adverse hole conditions in a single run, saving the operator rig time and associated costs.



Weatherford's *CleanReam* premium casing reaming shoe is designed to reduce reaming time during liner or casing installation. The tool is especially advantageous where the likelihood of problem intervals is high.

Location

Sterling County, Texas

Formation

Cline shale

Well Type

Onshore, exploration

Hole Size

8-3/4 in.

Depth

8,069 ft (2,459 m)

Casing Size and Type

7-in., 29-lb/ft, L-80, LTC

Products/Services

- *RwC* system
- 7- x 8 1/4-in. PDC-drillable *CleanReam* reaming shoe

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