



Weatherford®

REAL RESULTS

RwC™ System Provides Solution for Lost Circulation and Wellbore Instability in Oklahoma

Objectives

- Run and set surface casing through a lost circulation interval and unstable hole section where conventional methods had proven unsuccessful.

Results

- Weatherford deployed a *RwC* reaming-with-casing technology with the *OverDrive™* casing-running system and successfully ran and reamed the casing to its existing surface-hole target depth (TD), mitigating the unstable hole conditions.
- The *RwC* system—consisting of a 9 5/8-in. × 12-in. *Defyer™* DT 406 drillable casing bit and the *TorkDrive™* compact casing-running and drilling tool—successfully reamed the operator's surface casing despite unstable hole conditions.
- The casing was successfully set at the planned depth of 4,554 ft. (1,388 m) measured depth (MD).

Value to Client

- Using Weatherford's *RwC* system enabled the operator to rotate and set the casing at planned depth in one trip, saving rig time by eliminating the need for additional conventional attempts in poor hole conditions.
- The ability to isolate the problem zone enabled the operator to proceed with the next hole section, delivering maximum operational efficiency.



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Location

Pittsburgh County, Oklahoma

Well Type

Onshore development

Formation

Sand and shale

Hole Size

12-1/4 in.

Casing Size and Type

9 5/8-in., 40 lb/ft, J-55 BTC w/torque rings

Reaming Depth

3,965 to 4,554 ft (1,209 to 1,388 m)

Flow Rate

194 to 211 gal/min (734 to 799 L/min)

On-bottom Torque

2,000 to 6,000 lbf-ft (2,712 to 8,135 N•m)

Products/Services

- *RwC* system
- *Defyer* DT 406 drillable casing bit
- *DwC* services
- *TorkDrive* compact casing running tool