



Weatherford®

REAL RESULTS

Drilling with Liner (DwLSM) System, Best Line Torque Tool Isolate Depleted Zone, Avoid Formation Losses, Save \$700,000

Objectives

- Isolate depleted zone behind a 5 1/2-in. liner to enable the operator to reach total depth (TD). The depleted zone was from 13,400 to 13,465 ft (4,084 to 4,104 m).
- Perform the operation through a sidetracked window with a maximum deviation of 37.2 degrees. The operator had previously tried to drill the formation and lost returns at 13,400 ft (4,084 m).

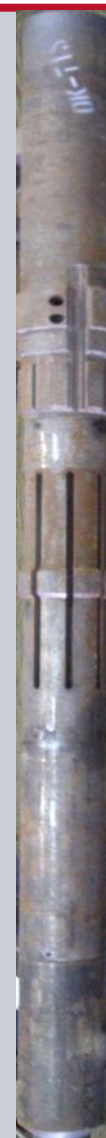
Results

- After lost circulation material pills were spotted in the zone and circulation reestablished, Weatherford deployed the drilling-with-liner (DwL) service using the Best Line Torque Tool (BLTT) system.
- The liner and drill bit with the BLTT were run in the wellbore to approximately 13,400 ft (4,084 m), where the drilling began. The well was drilled to 13,500 ft (4,114 m) with a rate-of-penetration of 5 to 8 ft/hr (1.5 to 2.4 m/hr) using torque values of 2,500 to 3,900 ft-lb (3,390 to 5,288 N m).
- The liner was purposely set on bottom and the BLTT tool was released with the special dart. The liner was then successfully cemented with full returns at the surface.
- The operator experienced no problems with the liner system during drilling and installation.

Value to Client

- Using Weatherford's DwL service with the BLTT system enabled the operator to drill to TD in a depleted zone without losing returns.
- The operator saved 3 to 4 days of rig time and associated costs, approximately \$700,000.

Weatherford's Best Line Torque Tool, part of the DwL system, is capable of transmitting very high torque and tensile and compressive loads. The tool is not affected by high pump pressures and does not release until a special dart is pumped to the ball seat.



Location

Acadia Parish, Louisiana

Formation

Sand/shale

Well Type

Onshore, gas/oil

Depth

13,400 to 13,500 ft (4,084 to 4,114 m)

Casing

5 1/2-in., 23-lb/ft (34.3-kg/m), P-110, Hydril® 523

Products/Services

- DwL system
- BLTT system
- Liner hanger systems

Hydril is a registered trademark of the Hydril Company

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