



Weatherford®

REAL RESULTS

CTD® Motors Mill Successfully Through 2,272 ft of Flash-Set Cement

Objectives

- Mill out flash-set cement from a deviated water-injection well. While a cement job was being performed through 8,000 ft (2,438 m) of 4-in. drillpipe, the cement had flash set. The cement had to be milled out so that the operator could retrieve the drillpipe and sidetrack through a 7-in. cased-hole section (starting at 5,646 ft, or 1,721 m) to avoid a lost-circulation zone higher in the formation.

Results

- Weatherford recommended its 2 1/8-in. CTD positive displacement motor, which offers the high-performance power output for optimal rates of penetration in heavy-duty milling operations.
- The first CTD motor ran for 263 hr, day and night, with only one oil change. A second CTD motor finished the job. A total of 2,272 ft (693 m) of solidified cement in the drillpipe was milled from 4,078 ft (1,243 m) down to 6,350 ft (1,935 m).

Value to Client

- The flash-set cement was removed efficiently, enabling the client to run wireline pipe recovery tools through the drillpipe to retrieve it and clear the way for sidetracking.

Weatherford's CTD positive displacement motor is made for heavy-duty milling operations. Its rugged design, featuring a fully sealed and pressure-balanced bearing assembly and proprietary high-torque power sections, provides unparalleled motor longevity.

Location

Saudi Arabia

Well Type

Water injection

Hole Size

7 and 9-5/8 in.

Drillpipe

4 in.

Well Type

Deviated

Milling Depths

4,078 to 6,350 ft
(1,243 to 1,935 m)

Products/Services

- Thru-tubing fishing and re-entry services
- 2 1/8-in. CTD motor

