



Weatherford®

REAL RESULTS

Aerated Mist Fluid System Restores Circulation, Reduces Costs, Brings Drilling to Successful Conclusion

Objectives

- Avoid further losses and restore circulation. Lost circulation occurred at 3,840 ft (1,170 m), with the annular fluid level at 1,500 ft (457 m).

Results

- Static fluid levels in the well indicated a 5-ppg equivalent mud weight. Weatherford proposed an aerated mist fluid system to restore circulation.
- Drilling proceeded to the 9 7/8-in. casing point at 3,977 ft (1,212 m) at the rate of 15 to 20 ft/hr.
- The final 140 ft (43 m) to casing point were drilled with returns, where lost circulation had occurred with minimum-weight conventional fluid in prior wells.
- Casing was set at the operator's design depth.

Value to Client

- Circulation was restored without the use of conventional lost-circulation materials or cross-linking chemicals.
- Nonproductive time and the associated costs caused by lost circulation were eliminated.



Location

Reeves County, Texas, USA

Well Type

Exploratory

Hole Size and Angle

12-1/4 in., vertical

Casing

9-7/8 in.

Setting Depth

3,977 (1,212 m)

Products/Services

Managed pressure drilling services