



Weatherford®

REAL RESULTS

Sidetrack Plan for Tied-Back and Cemented Exploratory Well Proves Discovery's Commercial Value

Objectives

- Perform a 2,625 ft (800 m) sidetrack of a 23,527 ft (7,171 m) total depth (TD) well after drillstring test tools and seismic information showed the objective was deeper than anticipated and initially drilled. Because the well's high-grade 7 5/8-in., TP125SS casing was already tied back and cemented to the surface, the sidetrack would have to be performed within the space constraints of the existing liner's 6 5/8-in. ID.

Results

- Weatherford provided a detailed sidetracking plan that included window-exit equipment and services, directional services with a 4 3/4-in. HyperLine™ motor and 4 3/4-in. HyperPulse™ measurement-while-drilling (MWD) system, as well as a full range of other wellsite services.
- Weatherford's QuickCut™ system cut the exit window at 17,333 ft (5,823 m) without any problems, despite the high-grade casing used in the well.
- The sidetrack was drilled to 24,367 ft (7,427 m) measured depth (MD). Two TCI bits and three PDC bits were used with record footage and penetration rates noted for each PDC bit.
- There were no drillstring failures even though the systems consistently worked close to, or occasionally above, the maximum ratings.
- This well was the deepest drilled to date using the HyperPulse MWD system.

Value to Client

- The sidetrack saved the exploratory well and proved the discovery, enabling the client to proceed with plans to commercialize the field.



Weatherford provided a full range of well services to sidetrack a 23,527 ft (7,171 m) TD exploratory well while working within the existing liner's 6 5/8-in. ID.

Location

Onshore, Sichuan Province, China

Total Depth

24,367 ft (7,427 m)

Bit on Bottom Hours

478.5

Circulating Hours

620

Products/Services

- QuickCut casing exit system
- HyperLine motor
- HyperPulse MWD system