

6.3 Mud report

36" hole 30" csg

The 36" hole was drilled using seawater with return to seabed. 5 m³ high viscous pills were pumped on each connection. The hole was drilled to 332 m. Reaming had to be done because of boulders. Filled the hole with high viscous mud, 100 +, before trip. On final wipertrip there was 2 m fill on bottom. A total of 250 m³ high visc. mud was used before the casing was run.

Materials used in this section were:
Bentonite, Lime, Caustic Soda and Soda Ash.

26" hole 20" csg

The riser was run before the 17-1/2" pilot hole was drilled to 915 m using seawater and 5 m³ high visc. pills every connection. On final wipertrip had 5 m fill on bottom. Swept the hole twice with high visc. mud before the logs were run. The hole was underreamed to 26" to 915 m. Pumped 35 m³ high visc. mud and chased with seawater. Displaced the hole with high visc. mud before the riser was pulled. Had no tight spots when the wipertrip with 26" bit was done before the casing was set.

Materials used in this section were:
Bentonite, Lime, Caustic Soda and Soda Ash.

17-1/2" hole 13-3/8" csg

The 20" csg was drilled out with seawater. Drilled 5 m new formation and displaced the hole with Gyp/Polymer mud. The mudweight was 1.10 r.d. when drilling started and 1.24 r.d. when reached 1864 m which was T.D. for this section. Had tight spots on wiper trip and increased the mudweight to 1.32 r.d.

Circulated 5 m³ high visc. pill before logging. Had two clean-up trips between the log runs. Pumped 10 m³ high visc. pills on every trip.

Materials used in this section were: Caustic, Soda Ash, Gypsum, Celpol Reg, Celpol S/L, XC Polymer, Barite and Spersene. A total of 800 m³ mud was used.

12-1/4" hole

Drilled from the 13-3/8" csg shoe to 3068 m with Gyp/Polymer mud and a mudweight of 1.32 r.d. POOH at 2717 m for coring and had several tight spots. During drilling from 2735 m to 3068 m had 3 wiper trips with reaming down to T.D. No main changes were done with the mud properties during drilling this section.

Materials used in this section were: Bentonite, Caustic, Soda Ash, Gypsum, Celpol Reg, Celpol S.L., XC-Polymer, Barite, Spersene, XP-20.

