

Lotos "11F" Federal No. 2

Sonat requests that the permitted TD be revised to 8700'. The primary objective of this test will be the Delaware. The well will not be drilled to 12,300' to test the Bone Springs.

With this change in proposed TD, Sonat requests the following changes to the drilling program:

1. Permission is requested to utilize 3M BOPE while drilling the 7-7/8" hole to 8700', as per normal Delaware drilling operations in this area. See Exhibit E of original APD for 3M BOPE to be utilized.
2. For economic reasons, permission is requested to set 11-3/4" surface casing at 400' instead of at 810' as originally approved. The only fresh water known to exist in the immediate area is at 275-300' in Sonat's water well in Section 2, T24S, R31E. The TD of this water well is at 320'.

Cement will be circulated back to surface.

Cement with 150 sx Class C with 4% gel, 2% CaCl₂ (13.5 ppg, 1.74 ft³/sx) followed by 200 sx Class C with 2% CaCl₂ (14.8 ppg, 1.32 ft³/sx) - 100% excess plus 100 sx to circ 100 sx.

3. For economic reasons, permission is requested to change the intermediate casing design from 8-5/8" 24# J55 STC to 8-5/8" 23# M50 STC. The proposed design would have similar limits as the original approved design.
4. Due to the revised TD, permission is requested to change the production casing design to $\pm 8700'$ of 5-1/2" 17# J55 LTC. A DV tool will be ran at $\pm 6000'$. Cement will tie back into the intermediate casing by at least 100'.
Stage 1: ± 750 sx 50/50 Pozmix Class "H" with 2% gel, 5% salt, 1/4# FC (14.2 ppg, 1.34 ft³/sx).
Stage 2: 1300 sx 50/50 Pozmix Class "H" with 2% gel, 5% salt, 1/4# FC (14.2 ppg, 1.34 ft³/sx).

Verbal approval was received from Adam Salameh @ 11:55 a.m. 3/22/96.

*KGC
3/22/96*