

ILLEGIBLE

Nipple Up: The BOP's should be run on the 11 3/4" cut off that should be cut off and removed. A Gray CMC-F 7" \times 10" 5,000 WP casting head will be welded on the 8 5/8". The 8 5/8" above the 11 3/4" cut off should be as short as possible. Cement should stand to the 11 3/4" cut off; a few sacks should be left on the ground to grout between the 8 5/8" and 11 3/4" if it isn't full. Nipple up a 2 ram plus annular hydraulic operated BOP stack 10" 5,000 WP DEPCo. IV (attached). Pressure test rams and choke manifold to 5,000 psi. Drill out the shoe and 50' of new hole and pressure up to 1100 psi; 12 ppg equivalent at the shoe. Test in 100 psi increments if pump in is accomplished discontinue pressure test.

Production Hole: A 7 7/8" hole will be drilled from 5,800' to TD. The drilling fluid will be fresh-water 11ppg S + pH to 11,000'; 10# brine + 3% KCl + lime 9 + pH to 13,000'; 10# - 10.2# brine + 3% KCl + drispac 32-34 vis, 9 + pH, < 10 cc WL to TD. A mud-gas separator and rotating head should be installed before reaching 11,000'.

Evaluation: Samples should be sacked each 10' from 5,800' to 11,000' and each 10' from 11,000' to TD. ~~The log will be logged through the balance from the top of the base formation at 4,650 ft via sonic~~ SNR 12-22-77. A one man mud log unit will be put on the well from 11,000' to TD. Log, ST's are 1 in the Atoka at ~ 13,000' and 2 in the Morrow below 13,500'. The hole will be logged at TD with FLC-10-10 and cut with FFL.

Production Casing: 5 1/2" casing will be set in 7 7/8" hole

5 1/2" casing design for 14,500'

0-1,730'	1730'	17.1 ft/ft	H-80	Buttress
1,730-10,770'	9040'	17.1 ft/ft	H-80	LT8C
10,770-14,500'	2730'	17.1 ft/ft	S-95	LT8C

the casing will be run with a float shoe and a float collar. The casing will be centralized and ruff-coated across potential pay zones. The cement volume should be calculated from the caliper log to return cement to 1,000' above the T-6 self camp, or to about 10,600'. The cement will be about 1,000 sX 50-50 class H-pozmix A - 2% gel + 0.5% CER-2 + 0.8% Halad 22 + 6 lbs/sk KCl 14.6 ppg 1.3 ft³/sk.

Nipple Up: The tubing head will be a Gray CMC-F 7" nominal 10" 5,000 WP \times 6" 5,000 WP. The rig will be moved off after the tubing head is installed.

Time: This well is estimated to require 36-40 days from spud to move out.

Editor: J.D. Green
H. Cure