

**Lotos "10" Federal No. 1**

Section 10, T24S, R31E

1980' FNL & 1980' FEL, Unit Letter G

Eddy County, New Mexico

KB 22' AGL

Spud 7/11/95  
Rig Release 10/08/95

**13-3/8" 48# WC40 STC New  
Surface Casing set at 712' in  
17-1/2" hole with:**

Lead - 600 sx Class C w/ 4% gel,  
2% CaCl<sub>2</sub> (13.5 ppg, 1.74 ft<sup>3</sup>/sx)  
Tail - 160 sx Class C w/ 2% CaCl<sub>2</sub>  
(14.8 ppg, 1.32 ft<sup>3</sup>/sx).  
Circ 239 sx cmt to pit.

**13-3/8" csg set at 712'**  
Cement circ.

TOC on 7" csg at 3200' by Temp Survey

**9-5/8" 40# N80 LTC Used  
Intermediate Casing set at 4318'**  
in 12-1/4" hole with:

Lead - 1525 sx 35/65 Poz "H" with  
6% gel, 5% salt, 1/4#FC (12.8, 1.94)  
Tail - 300 sx Class H w/ 1% CaCl<sub>2</sub>  
(15.6 ppg, 1.19 ft<sup>3</sup>/sx)  
Circ 234 sx cement to pit.

**9-5/8" csg set at 4318'**  
Cement circ.

**7" 26# P110 LTC New  
Intermediate Casing set at 11,956'**  
in 8-3/4" hole. Bomb type DV tool  
at 6513'. **1st Stage:** Lead 1090 sx  
50/50 Poz H w/ 2% gel, 5# salt, 1/4#  
FC, 0.2% LWL (14.2, 1.35).  
Tail 300 sx Class H w/ 0.1% R3  
(15.6, 1.19). Circ 64 sx.

**2nd Stage:** Lead - 560 35/65 Poz  
C with 6% gel, 5% salt, 1/4# FC,  
0.5% LWL (12.4, 2.08).  
Tail - 200 sx Class H neat (15.6,  
1.19). TOC calc at 3500'.

**TOL at 11,657'**

**7" csg set at 11,956'**  
TOC at 3200' by Temp Survey

**5" 18# P110 STL New Flush Joint  
Liner set from 11,657'-15,350'**  
in 6-1/8" hole. Halliburton cemented  
with 480 sx Class H w/ 15% SSA-1,  
0.3% Gas Stop, 0.5% Halad 413,  
0.2% SCR-100, 0.4% CFR-3 (16.4  
ppg, 1.25 ft<sup>3</sup>/sx). Circulated 120 sx  
cement above TOL (699' inside 7"  
casing). WOC 24 hrs. Drill out  
cement. Test liner top to 2500 psi -  
OK. Run 600 psi negative test- OK.  
Clean out liner with 4" cement mill  
and casing scraper. PBTD 15,254'.  
Rig released 10/08/95.

**Guiberson GT-1 Magnum 10k permanent  
packer with latch seal assembly set at  
±14,450'.**

**Morrow Completion**

**Morrow "B" Sand Perfs 14,592'-14,604'**

**Paduca Sand Perfs 14,772'-14,860'**

**Teal Sand Perfs 15,038'-15,082'**

**5" liner set from 11,657' - 15,350'**  
Cement circ.

