

GRACE PETROLEUM CORPORATION
FELMONT FEDERAL #2
LEA COUNTY, NEW MEXICO

CASING & CEMENTING PROGRAM

Surface Casing:

26" hole size; set approximately 1200' of 20", 94# H-40 STC new casing using 1525 sx of Halliburton Light cmt. with 5# salt & $\frac{1}{4}$ # flocele per sk, tail in with 685 sx Class "C" cmt. with 1.88# Calcium Chloride per sk. Cmt is calculated to circulate (100% excess).

Salt Protection String:

17 $\frac{1}{2}$ " hole size; set approximately 2800' of 13 3/8", 48# H-40 STC new casing using 1125 sx of Halliburton Light cmt. with 3# Gilsonite, 0.94# Calcium Chloride, 31# salt & $\frac{1}{4}$ # flocele per sk followed by 405 sx Class "C" cmt. with 19# salt, 0.94# Calcium Chloride & $\frac{1}{4}$ # flocele per sk and tail in with 200 sx Class "C" cmt. with 1.83# Calcium Chloride per sk. Cmt. is calculated to circulate (100% excess).

Intermediate Casing:

12 $\frac{1}{4}$ " hole size; set approximately 5200' of 9 5/8", 53.5# N-80 LTC new casing, cmt to surface using DV Multiple Stage tool at approximately 3400'. The first stage cmt. will consist of 525 sx of Halliburton Light cmt. containing 5# salt, 5# Gilsonite & $\frac{1}{4}$ # flocele per sk, tail in with 300 sx of Class "C". The second stage cmt. will consist of 825 sx Halliburton Light cmt. containing 3# Gilsonite, 5# salt & $\frac{1}{4}$ # flocele per sk, tail in with 150 sx Class "C" cmt. containing 3# salt per sk. Cmt is calculated to circulate.

Production String:

8 $\frac{1}{2}$ " hole size; set 5 $\frac{1}{2}$ " 17#, 20# & 23#, N-80 & S-95 LTC & BUTT from 14,100' to surface. Cmt. with 185 sx Halliburton Light cmt. containing 0.8% Halad-22, 5# Gilsonite & $\frac{1}{4}$ # flocele per sk, tail in with 728 sx Class "H" containing 0.8% Halad-22, 0.3% CFR-2, 3# KCL & $\frac{1}{4}$ # flocele per sk. All 5 $\frac{1}{2}$ " casing will be new.

RECEIVED

JUN 15 1979
OIL CONSERVATION COMM.
HOES, N. M.