

CLEARY PETROLEUM CORPORATION
NEW MEXICO FEDERAL "E" COMM. #1
LEA COUNTY, NEW MEXICO

CASING & CEMENTING PROGRAM

Surface Casing:

17½" hole size; set approximately 470' of 13 3/8, 54.5 #K-55 new casing using 350 sx of Class "C" cmt. containing 4% gel, 2% Calcium Chloride with ¼# flocele per sk, tail in with 300 sx Class "C" cmt. containing 2% Calcium Chloride with ¼# flocele per sk.

Intermediate Casing:

12¼" hole size; set approximately 5200' 9 5/8" 40#, 43.5#, 47#, 53.5# N-80 & K-55 new casing, cmt. to surface using DV Multiple Stage tool at approximately 3250'. The first stage cmt. will consist of 410 sx of Halliburton Light cmt. containing 5# of Gilsonite & ¼# flocele per sk., tail in with 300 sx of Class "C" containing 2% Calcium Chloride & ¼# flocele per sk. The second stage cmt. will consist of 1525 sx Halliburton Light cmt containing 13½# salt and ¼# flocele per sk. tail in with 100 sx Class "C" cmt. containing 2% Calcium Chloride & ¼# flocele per sk.

Production String:

7 7/8" hole size: set 5½" 20# & 17# N-80 LT & C & 17# N-80 buttress from 14,000' to surface. Cmt with 350 sx Halliburton Light cmt containing 0.6% Halad-22, 5# Gilsonite & ¼# flocele, tail in with 525 sx of Class "H" containing 0.8% Halad-22, 0.4% CFR-2, 3# KCL & ¼# flocele/sk. All 5½" casing will be new.

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LDSB, L. H.