

APPLICATION TO DRILL

NM-Federal Com 5 No. 1

In response to questions asked under Section II B of Bulletin NTL-6, the following answers are provided for your consideration.

1. Location: 660' FSL & 660 FWL of Section 5, T-5-S, R-25-E
Chaves County, New Mexico.
2. Elevation above Sea Level: 3850.9
3. Geologic Name of Surface Formation: Artesia Group
4. Drilling Tools and Associated Equipment: Conventional Rotary rig
using mud for the circulation medium.
5. Proposed Drilling Depth: 4300'
6. Estimated Geological Marker Tops: San Andres 690', Glorieta 1550',
Abo 3600'.
7. Mineral Bearing Formations: Water Bearing - none, oil Bearing - none,
Gas Bearing - Abo formation at 3600'.
8. Casing Program: A. Surface Casing - 13 3/8" 54.5 lb/ft H-40 new casing.
B. Intermediate (Optional) - 8 5/8" 24 lb/ft K-55 new casing.
C. Production Casing - 4 1/2" 10.5 lb/ft K-55 new casing.
9. Setting Depth of Casing and Cement for Same: A. 13 3/8" casing set at
900-950'. Cement will be circulated to surface using 850 sx
Halliburton Light Weight with 1/4# flocele, 2% CaCl and 300 sx
Cl "C" with 2% CaCl.
B. Optional 8 5/8" 24 lb/ft casing to be set at 1500-1800' if
severe lost circulation occurs in lower San Andres. To be cemented
with 500 sx Thixset with 1/4 lb Flocele, 2% CaCl and 150 sx
class "C" with 2% CaCl.
C. 4 1/2" 10.5 lb/ft casing set at approximately 4300' and
cemented with 320 sx 50/50 Poz/Cl "C" with 6# salt, 5/10 of
1% FDP C322.
10. Pressure Control Equipment: Blowout preventers will be installed on the
surface casing. They will be 10" API Series 900 dual preventers
adapted for the drilling contractor's 4-1/2" drill pipe. They
will be capable of closing off on all open areas. The blowout
preventers will be tested to 2000 psig after they are installed
on the surface casing, prior to drilling out, and each time
they are removed or rearranged on the wellhead.