

APPLICATION TO DRILL

Western Reserves Oil Co.
Bravo Federal #2
Section 7 T-6-S, R-25-E
Chaves County, New Mexico

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

1. Location: 660' FNL, & 660' FEL, Section 7 , T-6-S, R-25-E, Chaves County, New Mexico.
2. Elevation Above Sea Level: 4110.0 GR
3. Geologic Name of Surface Formation: Alluvium
4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 5400'±
6. Estimated Geological Marker Tops: San Andres 625'; Glorietta 1500; Abo 3630; Wolfcamp 4400'
7. Mineral Bearing Formation: Water bearing - none; gas bearing - Abo 3830±; Oil bearing - none.
8. Casing Program: (A) Surface casing - 13 3/8", 48# new. (B) Intermediate casing - 8 5/8" 28# new. (C) Production casing - 4 1/2", 10.5# new.
9. Setting depth of casing and cement for same: (A) 13 3/8" casing set @ 900' cemented with 400 sx. Halliburton light cement w/1/2 lb/sx. Flocele & 4% CaCl, 300 sx. of Thixset cement w/2% CaCl 300 sx. Class "C" cement w/ 2% CaCl.
(B) 8 5/8" casing set @ 1700'. Cemented with 200 sx. Thixset w/2% CaCl 300 sx. of Halliburton light cement w/1/2 lb/sx. Flocele 2% CaCl, and 200 sx. of Class C cement w/2% CaCl.
(C) 4 1/2" casing set @ 4200' cemented with 250 sx. Class "C" cement w/0.3% Halad-4, 0.2% CFR-2 & 5 lb/sx. KCL.