

APPLICATION TO DRILL
WESTALL FEDERAL WELL #1

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

1. Location: 1980' FNL & 660' FWL of Section 29, T-7-S, R-32-E, Roosevelt County, New Mexico.
2. Elevation Above Sea Level: 4472' G.L.
3. Geologic Name of Surface Formation: Mississippian
4. Drilling Tools and Associated Equipment: Conventional Rotary Drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 4300'
6. Estimated Geological Marker Tops: Rustler Anhydrite - 1775', Top of Salt - 1845', Base of Salt - 2195', San Andres - 3365', PI Zone - 3948', San Andres Porosity - 4145'.
7. Mineral Bearing Formations: Water Bearing - none, Gas Bearing - none, Oil Bearing - San Andres Porosity @ 4145'.
8. Casing Program: (a) Surface casing - 8-5/8" - 24#/ft. J-55 new casing, (b) Production casing - 4-1/2" - 9.50#/ft. K-55 new casing.
9. Setting Depth of Casing and Cement for Same: (a) 8-5/8" casing set at 1775'. Cement will be circulated to the surface using 600 sx. of Halliburton Light Weight w/1/2#/sx Flocele and 8# salt per sx. followed by 200 sx. Class C w/2% CaCl. (b) 4-1/2" casing set at 4100' and will be cemented with 250 sxs. of 50-50 Pozmix "A" - Class "H" with 2% gel, 0.75% CFR-2, and 8# salt per sx.
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" and 5-1/2" drill pipe. They will be capable of closing off on all open areas. The blowout preventers will be hydraulically actuated by an 80 gal. Payne accumulator. 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.