

APPLICATION TO DRILL

LYNN "B-25" FEDERAL WELL #5

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

1. LOCATION: 560' FWL & 1980' FSL of Section 25, T-23-S, R-36-E, Lea County, New Mexico.
2. ELEVATION ABOVE SEA LEVEL: 3335'
3. GEOLOGIC NAME OF SURFACE FORMATION: Mississippian
4. DRILLING TOOLS AND ASSOCIATED EQUIPMENT: Conventional rotary drilling rig using mud for the circulating medium.
5. PROPOSED DRILLING DEPTH: 3700'
6. ESTIMATED GEOLOGICAL MARKER TOPS: Rustler Anhydrite- 1190', Salt- 1260', Base of Salt- 2760', Yates- 2950', Seven Rivers- 3190', Queen- 3520'.
7. MINERAL BEARING FORMATIONS: Water bearing- Ogalalla @ 125', Oil and Gas bearing- Yates @ 2950' and Queen @ 3520'.
8. CASING PROGRAM:
 - a. Surface casing - 8 5/8" - 24 lb/ft J-55 8RRD ST&C new casing.
 - b. Production casing - 4 1/2" - 9.50 lb/ft J-55 8RRD ST&C new casing.
9. SETTING DEPTH OF CASING AND CEMENT FOR SAME:
 - a. The 8 5/8" casing will be set at 1200' and cement will be circulated to the surface using 370 sacks of Halliburton Light Weight with 8 lb/sk of salt followed by 200 sacks of Class "C" with 2% CaCl.
 - b. The 4 1/2" casing will be set at 3700' and will be cemented with 330 sacks of Pozmix "A" with 2% gel and 8 lb/sk of salt.
10. PRESSURE CONTROL EQUIPMENT: Blowout preventers will be 10" API Series 900 Cameron dual preventers and are depicted in the attached schematic. The testing procedure and frequency of testing these blowout preventers will conform to Section 6, items A through M of the "General Requirements for Oil and Gas Operations on Federal Leases - July 1, 1978".