

APPLICATION FOR DRILLING
POGO PRODUCING COMPANY
FEDERAL "44" NO. 1
EDDY COUNTY, NEW MEXICO

In conjunction with permitting the captioned well for drilling in Section 34, T-23-S, R-31-E, Eddy County, New Mexico, Pogo Producing Company submits the following in accordance with U.S.G.S. (NTL-6) letter dated July 1, 1976:

1. The surface formation is Quarternary sand and gravel.

2. Estimated tops of geologic markers as follows:

Rustler Anhydrite and Dolomite -----	697'
Delaware Limestone -----	4382'
Bell Canyon Sandstone -----	4427'
Cherry Canyon Sandstone -----	5247'
Total Depth -----	6400'

3. The depths at which oil, gas, or water are expected are 4427', 5247', & 6007'.

4. Casing program and cement:

8 5/8" 24# K-55 ST&C @ 820' w/380 sxs Cl C + .6% CF-1
circulate cement

5 1/2" 14# & 15.5# K-55 ST&C @ 6400' w/DV tool @ 4100'
1st stage - 500 sxs Cl C + .6% CF-1
2nd stage - 650 sxs Pacesetter Lite C + 3# Hi-seal/sxs
+ 5# salt/sxs. Circulate cement 100 sxs Cl C. Circulate
cement.

5. Circulating Medium:

An earthen pit will be used to hold drilling fluids and cuttings.
The Drilling mud program is as follows:

Spud mud to 820'
Cut Brine to 6400'

6. If warranted, drill stem tests will be carried out in the Cherry Canyon.

7. Ten foot samples of cuttings will be caught from the base of the surface pipe (820') to total depth.

8. Adequate electrical and resistivity logs will be run from total depth to the base of the surface casing at 820'. The gamma ray will be run to the surface.

9. Loss circulation zones are possible from the surface to 6400'.

10. Blow Out Preventors:

Surface to 820'
820' to 6400' - 3000# WP
A typical BOP sketch is attached

11. The anticipated starting date is April 1, 1986 with the completion expected by May 1, 1986.

