

APPLICATION TO DRILL

POGO PRODUCING COMPANY
WBR FEDERAL # 5
UNIT "N" SECTION 13
T22S-R32E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. Open hole logs: Run # 1 from 12,200' to 4800' run Gamma Ray, Caliper, Dual Induction, compensated Neutron-Density. From TD to 12,200' run Dual -Laterolog, SNP, Gamma Ray, Caliper. From 4800' to surface run Gamma Ray Neutron.
- B. Mud logger on hole from 4800' to TD.
- C. Cores and DST's taken as shows dictate.

13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H₂S detectors will be in place to detect any presence. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 9650 PSI, estimated BHT 185°.

14. Anticipated Starting Date and Duration of Operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 65 days. If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15. Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The MORROW pay will be perforated and stimulated. The well will be swab tested and potentialized as a gas well.