

APPLICATION TO DRILL

ARCH PETROLEUM, INC.
C.E. LaMUNYON # 79 INJ.
UNIT "H" . SECTION 21
T23S-R37E LEA CO. NM

12. TESTING, LOGGING, & COREING PROGRAM:

- A. Open hole logs: Run Dual Laterolog , SNP LDT, Gamma Ray, CALiper from TD back to surface casing shoe at 1100'. Run GAMMA Ray, Neutron from 1100' back to surface.
- B. No DST's or Cores are planned at this time.
- C. No mud logger is planned at this time.

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 of unsafe levels of H₂S. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of all equipment that will be used. Estimated BHP 2000 PSI & estimated BHT 135°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Roads and location construction will begin after the BLM approves the APD. Anticipated spud date will be as soon as pad & road construction has been completed. Drilling time for the well is estimated to take 18 days. If production casing is run an additional 20 days will be required to complete well and construct surface facilities.

15. OTHER FACETS OF OPERATION:

After running 5½" casing, Gamma Ray Neutron & collar locator logs will be run over all possible injection zones. These zones will be perforated and the well will be completed as an injection well in the Blinbry.