

APPLICATION TO DRILL
POGO PRODUCING COMPANY
EAST LIVINGSTON RIDGE UNIT # 9
660' FSL & 330' FWL SEC. 18
T22S-R32E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. DST'S may be run if shows dictate.
- B. Mud logger will be employed from 4500' to TD.
- C. Open hole electric logs will be run. Gamma Ray, Caliper, CNL-DENSITY, Dual -Laterlog.
- D. No cores are planned.

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 3200 PSI, estimated BHT 125°. H₂S contingency plan is included with this APD.

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 20 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 Delaware pay will be perforated and stimulated. The well will be swab tested and potential as an Oilwell.