

## APPLICATION TO DRILL

PENWELL ENERGY, INC.  
DIAMOND TAIL "24" FEDERAL # 1  
1980' FSL & 660' FWL SEC. 24  
T23S-R32E LEA CO. NM

### 12. Testing, Logging and Coring Program:

- A. A two man mud logging unit on hole from 4700' to TD.
- B. Cores to be taken (sidewall) in Delaware where shows occur from 5000-9000' and in Bone Spring from 9950-10200'.
- C. Open hole logs: CNL-LDT-Gamma Ray from TD to base of surface casing, AIT or Dual Laterlog MSFL from TD to base of surface casing with Gamma Ray Neutron back to surface.
- D. DST'S will be taken as shows dictates.

### 13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H<sub>2</sub>S 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 4000 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 35 to 45 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 Bone Spring pay will be perforated and stimulated. The well will be swab tested and potentialized as an oilwell.