

## APPLICATION TO DRILL

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

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1. Location: 1980' FSL & 660' FWL SEC. 24 T23S-R32E LEA CO. NEW MEXICO
2. Elevation Above Sea Level: 3717 GR.
3. Geologic Name of Surface Formation: Quaternary Aeolian Deposits
4. Drilling Tools and Associated Equipment: Conventional rotary drilling rig using mud for the circulation medium.
5. Proposed Drilling Depth: 10,350'
6. Estimated Geological Marker Tops:

Lamar	5000'	Lower Brushy Canyon	8500'
Bell Canyon	5050'	Avalon Sand	8950'
Manzanita	6150'	First Bone Spring Sand	9900'
Brushy Canyon	7500'		

7. Possible Mineral Bearing Formation:

Brushy Canyon	Oil	Avalon Sand	Oil
Lower Brushy Canyon	Oil	First Bone Spring Sand	Oil

8. Casing Program:

Hole Size	Interval	OD Csg	Weight	Thread	Collar	Grade	Cond.
26"	0-40	20"	NA	AN	NA	NA	New
17½"	0-550'	13 3/8"	54.5	8-R	ST&C	K-55	New
12¼"	0-4850'	8 5/8"	24 & 32#	8-R	ST&C	K-55	New
7 7/8"	0-10350'	5½"	17#	8-R	LT&C	N-80 & J-55	New