

APPLICATION TO DRILL

PENWELL ENERGY, INC.
TOMCAT "15" FEDERAL COM. #1
1980' FSL & 660' FWL
SECTION 15, T23S, R32E
LEA COUNTY, NEW MEXICO

1. LOCATION: 1980' FSL & 660' FWL, Sec. 15, T23S, R32E, Lea Co. NM.
2. ELEVATION ABOVE SEA LEVEL: 3701'.
3. GEOLOGIC NAME OF SURFACE FORMATION: Kermit Soils & Dune Lands.
4. DRILLING TOOLS AND ASSOCIATED EQUIPMENT: Conventional rotary drilling rig using mud for the circulation medium.
5. PROPOSED DRILLING DEPTH: 16,000'.
6. ESTIMATED GEOLOGICAL MARKER TOPS:

Delaware	4900'
Bone Spring	8700'
Wolfcamp	12150
Strawn	13700'
Atoka	13900'
Morrow	15100'

7. POSSIBLE MINERAL BEARING FORMATION:

OIL		GAS	
Delaware	4900'		
Bone Spring	8700'		
Wolfcamp	12150'		
Strawn	13700'		
Atoka	13900'		
Morrow	15100'		

CASING PROGRAM:

Hole Size	Interval	OD Csg	Weight	Thread	Collar	Grade	Cond.
26"	0-600'+-	20"	94#	8-R	ST&C	X-56	New
17 1/2"	600-4700'	13 3/8"	72#	8-R	ST&C	L-80	New
12 1/4"	4700-12500'	9 5/8"	53.50#	8-R	LT&C	P-110	New
8 1/2"	12500-15000	7"	29#	8 R	LT&C	P-110	New
6 1/8"	15000-16000	4 1/2"	13.50	8 R	LT&C	P-110	New