

APPLICATION FOR PERMIT TO DRILL
Gobbler's Knob 30 Federal Com., Well No. 1

1. The geologic surface formation is Quaternary overlying Tansill

2. The estimated tops of important geologic markers are:

1.	<u>Cherry Canyon Marker</u>	<u>3600'</u>	6.	<u>Atoka</u>	<u>10375'</u>
2.	<u>Bone Springs</u>	<u>4750'</u>	7.	<u>Morrow Clastics</u>	<u>11050'</u>
3.	<u>Wolfcamp</u>	<u>8600'</u>	8.	<u></u>	<u></u>
4.	<u>Penn</u>	<u>9700'</u>	9.	<u></u>	<u></u>
5.	<u>Strawn Lime</u>	<u>10100'</u>	10.	<u></u>	<u></u>

3. Depths at which oil, water, or gas bearing formations are expected to be encountered.

Wolfcamp 8525' - 9700'
Penn 9700' - 10100'
Strawn 10100' - 10375'
Morrow Clastics 11050' - 11500'

4. Brief description of testing, logging, and coring programs.

Gamma Ray: Surface - TD
Sonic and/or Neutron Density: Top Delaware Sand (2145') - TD
Dual Laterolog: Top Delaware Sand - TD
Mud Logger: Top Delaware Sand - TD
No coring anticipated.

5. Any anticipated abnormal pressures or temperatures expected? Any potential hazards - H₂S?

None anticipated.