

APPLICATION FOR PERMIT TO DRILL  
Golden Lane 1 Federal Com., Well #2

1. The geologic surface formation is Quaternary.
2. The estimated tops of important geologic markers are:
  1. Delaware Sand-3980
  2. Bone Spring Lm-6475
  3. 3rd Bone Spring sd-9385
  4. Wolfcamp-9820
  5. Strawn Lm-10990
  6. Atoka-11130
  7. Morrow Clastics-11900
  8. \_\_\_\_\_
  9. \_\_\_\_\_
  10. \_\_\_\_\_
3. Depths at which oil, water, or gas bearing formations are expected to be encountered.

Wolfcamp limes	9820-10380
Strawn Lime	10990-11130
Atoka sand	11675-11720
Morrow sands	11900-12720
4. Brief description of testing, logging, and coring programs.

Drill stem test as necessary  
Gramma Ray: Surface-TD  
Sonic and/or Neutron Density: Top Del sd-TD  
Dual Lateralog: Top Del Sd-TD  
Mud Logger: Top Del Sd-TD  
No coring anticipated
5. Any anticipated abnormal pressures or temperatures expected? Any potential hazards - H<sub>2</sub>S?

Possible abnormal pressures from Wolfcamp through the Atoka.  
No H<sub>2</sub>S zones expected