

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Alluvium/Castile

2. The estimated tops of important geologic markers are:

1. Delaware Lime 1940	6. Atoka Lime 10660
2. Bone Spring Lime 5320	7. Morrow Clastics 11150
3. 3rd Bone Spring Sand 8100	8.
4. Wolfcamp 8700	9.
5. Strawn Lime 10350	10.

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

Delaware Sand	2000
Strawn	10350
Morrow Sands	11150-11550

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

DST as necessary

Logging - Mud logger on hole 1900 - TD

Electric Log Program

Surface - TD GR-Sonic

10200 - TD

1900 - TD

Neut-Dens

Dual LL or Dual IL

Dipmeter 10200-TD

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

NONE