

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Quaternary.

2. The estimated tops of important geologic markers are:

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|-------------------------------------|-------------|-----------|
| 1. <u>1st Bone Spring Sand</u> | <u>7270</u> | 6. _____ |
| 2. <u>1st Bone Spring Carbonate</u> | <u>7700</u> | 7. _____ |
| 3. <u>2nd Bone Spring Sand</u> | <u>8050</u> | 8. _____ |
| 4. _____ | | 9. _____ |
| 5. _____ | | 10. _____ |

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

Bone Spring 7270 - 8350

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

Drill Stem test as necessary.

Gamma Ray: Surface - TD

Sonic and/or Neutron Density: 2300' +/- to TD

Mud Logger: 2300' +/- to TD

No coring anticipated.

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

None anticipated

No H₂S zones expected.