

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Quaternary.

2. The estimated tops of important geologic markers are:

1. <u>Wolfcamp</u>	<u>14750</u>	6. <u></u>
2. <u>Atoka</u>	<u>15250</u>	7. <u></u>
3. <u>Morrow</u>	<u>15750</u>	8. <u></u>
4. <u></u>		9. <u></u>
5. <u></u>		10. <u></u>

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

Morrow 15,750' - 16,500'

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

Drill Stem test as necessary  
GR/Sonic/Density/DLL -13,500' to TD  
Neutron-Surface to TD  
Mud Logger: Top Wolfcamp to 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.

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SEP 24 1987  
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