

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Quaternary.
2. The estimated tops of important geologic markers are:

1. <u>Strawn</u> <u>11,625'</u>	6. _____
2. <u>Atoka (A-5) Sand</u> <u>11,925'</u>	7. _____
3. <u>Atoka Bank</u> <u>11,950'</u>	8. _____
4. _____	9. _____
5. _____	10. _____
3. Depths at which oil, water, or gas bearing formations are expected to be encountered.
Atoka 11,925'
4. Brief description of testing, logging, and coring programs.
Gamma Ray: Surface - TD
Sonic and/or Neutron Density: Top Delaware Sand - 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?

Possible abnormal pressures from Wolfcamp through the Atoka.

No H₂S anticipated.