

APPLICATION FOR PERMIT TO DRILL
OWEN MESA 26 FEDERAL COM., WELL NO. 1

1. The geologic surface formation is Quaternary.

2. The estimated tops of important geologic markers are:

1. <u>Delaware</u>	<u>3200</u>	6. <u>Atoka Bank</u>	<u>12750</u>
2. <u>Cherry Canyon</u>	<u>3800</u>	7. _____	_____
3. <u>Bone Springs</u>	<u>7000</u>	8. _____	_____
4. <u>Wolfcamp</u>	<u>10250</u>	9. _____	_____
5. <u>Atoka</u>	<u>12600</u>	10. _____	_____

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

Wolfcamp - 10250 - 12600
Atoka Sands - 12600 - 13100

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 zones expected.