

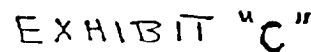
APPLICATION FOR PERMIT TO DRILL

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

1. <u>Delaware</u>	<u>5350'</u>	6. _____
2. <u>Bone Springs</u>	<u>9300'</u>	7. _____
3. <u>Wolfcamp</u>	<u>12400'</u>	8. _____
4. <u>Strawn</u>	<u>13700'</u>	9. _____
5. <u>Atoka</u>	<u>13800'</u>	10. _____
3. Depths at which oil, water, or gas bearing formations are expected to be encountered.
Possibly Wolfcamp at 13500'
Possibly Atoka at 13850'
4. Brief description of testing, logging, and coring programs.
Drill stem test as necessary
Gamma Ray: Surface - TD
Neutron Density - Surface - TD
Mud Logger: 13250' - 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.

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JUL 29 1958
O.C.D.
HARRIS OFFICE

LEASE: Diamond "5" Federal #3



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