

ADDITIONAL INFORMATION FOR "APPLICATION FOR PERMIT TO DRILL"
GETTY OIL COMPANY
GETTY FEDERAL "24" WELL NO. 1

1. The geologic name of the surface formation is OGALLALA.
2. The estimated tops of important geologic markers are as follows:

<u>FORMATION</u>	<u>DEPTH FROM SURFACE</u>	<u>DEPTH SUBSEA</u> (3574 GL)
Delaware	4,485	- 905
Cherry Canyon	5,585	- 2,005
Bone Spring	8,365	- 4,785
Wolfcamp	11,205	- 7,625
Strawn	13,095	- 9,515
Atoka	13,475	- 9,895
Morrow Clastics	14,085	- 10,505
Barnett	14,775	- 11,195

3. The estimated depths at which anticipated water and oil could be encountered are:

DEPTH

50-500' - Possible small volume of fresh water
4,485-5,585 - (Delaware) Possible Oil
5,585-8,365 - (Cherry Canyon) Possible Oil
8,365-11,205 - (Bone Spring) Possible Oil
11,205-13,095 - (Wolfcamp) Possible Oil or Gas
13,095-13,475 - (Strawn) Possible Gas
13,475-14,085 - (Atoka) Possible Gas
14,085-14,775 - (Morrow Clastics) Possible Gas

4. The proposed casing program - see attached "Application for Permit to Drill".
5. The minimum specifications for pressure control equipment to be used - see Figure I. The BOP stack will be tested to 5000 psi.
6. The drilling fluid from surface to 11,200' will consist of brine with sufficient gel to condition hole for logging and running casing from 11,200' to TD (14,850'). The mud will be a 10-12 ppg low solids low fluid loss oil base mud with additives to help prevent damage to the Morrow.
7. The auxillary equipment to be used is as follows:
 1. Kelly cocks
 2. Monitoring equipment on the mud system
 3. Sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string