

ADDITIONAL INFORMATION FOR
APPLICATION FOR PERMIT TO DRILL
GETTY OIL COMPANY
SALT DRAW FEDERAL "11" COM WELL NO. 1

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

<u>FORMATION</u>	<u>DEPTH FROM SURFACE</u>	<u>DEPTH SUBSEA (2954.4 GL)</u>
Lamar Lime	2600'	354.4
Bone Springs Lime	6280'	-3325.6
Wolfcamp (Dean Sand)	9055'	-6100.6
Strawn Limestone	11730'	-8775.6
Atoka Lime Stone	12150'	-9195.6
Morrow Clastics	12800'	-9845.6
Barnet Shale	13450'	-10,495.6

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

DEPTH

0-1500'	Possible fresh water
2600'	(Lamar) Possible oil
9055'	(Wolfcamp) Possible gas and oil
12,150'	(Atoka) Possible Gas
12,800'	(Morrow) Possible Gas

4. 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 will be tested to 10,000 psi.
6. The drilling fluid from surface to 12,800' will consist of brine with sufficient gel to condition the hole for logging and running casing. From 12,800' - TD (13,500') the mud will be a 10-12 ppg low solids low fluid loss oil base mud with additives to prevent damage to the Morrow formation.
7. The auxiliary equipment to be used is as follows:
 - a. Kelly cocks
 - b. Monitoring equipment on the mud system
 - c. Sub on the floor with a full opening valve to be stubbed into drill pipe when kelly is not in the string.