

ADDITIONAL INFORMATION
FOR
"APPLICATION FOR PERMIT TO DRILL"
GETTY OIL COMPANY
DERRICK FEDERAL COM NO. 1

1. The soil encountered in the area can be classified as a member of the camborthids-calciorthids association.
2. The estimated tops of important geologic markers are as follows:

<u>FORMATION</u>	<u>DEPTH FROM SURFACE</u>	<u>DEPTH SUBSEA</u>
San Andres	535'	+3124.1
Glorieta	1620'	+2039.1
Tubb	3135'	+ 524.1
Abo	3680'	- 20.9

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

DEPTH

50' - 535' Possible fresh water
535' - 1620' San Andres - possible oil
3680' - 4200' Abo - possible gas

4. The proposed casing program is as follows:

<u>SIZE</u>	<u>GRADE</u>	<u>THREAD</u>	<u>WEIGHT</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>
10 3/4"	H-40	8R ST&C	40.5	Surface	920'	920'
* 7"	H-40	8R ST&C	20	Surface	1600'	1600'
4 1/2"	K-55	8R ST&C	10.5	Surface	4200'	4200'

* Will run only if lost circulation is a problem.

5. The minimum specifications for pressure control equipment to be used, see Figure 1. The BOP stack will be tested to 5000 psi.
6. The drilling fluid from surface to 920' will be fresh water of sufficient gel to condition the hole for running casing. From 920' to 3400', a native mud system will be used with brine and LCM added for stability and seepage. From 3400' to TD, a salt gel system will be used to condition the hole for logging and running casing.
7. The auxiliary equipment to be uses is as follows:
 - A. Kelly cocks.