

Additional Information for
Application for Permit to Drill
Getty Oil Company
Airport Ark Res 7 Federal
Well No. 1

1. The estimated tops of important geological markers are as follows:

<u>FORMATION</u>	<u>DEPTH FROM SURFACE</u>	<u>DEPTH SUBSEA (G.L. 4935')</u>
Tertiary	0'	4935'
Cretaceous	1000'	3935'
Permian	3000'	1935'
Pennsylvanian	7000'	-2065'
Silurian-Devonian (El Paso Group)	9300'	-4365'

2. The estimated depths at which anticipated water, oil, and gas could be encountered are:

0 - 1000' Possible fresh water

3000' - 7000' Permian possible gas

7000' - 9300' Possible gas Pennsylvanian

9300' - 9500' Possible gas in Silurian-Devonian Group

3. Proposed casing program:

<u>Size</u>	<u>Grade</u>	<u>Thread</u>	<u>Wt.</u>	<u>Top</u>	<u>Bottom</u>	<u>Length</u>
20"	H-40	ST&C	94	Surface	40'	40'
11 3/4"	H-40	ST&C	42	Surface	1100'	1100'
8 5/8"	K-55	ST&C	24	Surface	2350'	2350'
8 5/8"	K-55	ST&C	32	2350'	3500'	1150'
5 1/2"	N-80	LT&C	17	Surface	1000'	1000'
5 1/2"	K-55	LT&C	15.5	1000'	7000'	6000'
5 1/2"	K-55	LT&C	17	6000'	7550'	1550'
5 1/2"	N-80	LT&C	17	7550	9600'	1050'

4. The minimum specifications for pressure control equipment to be used see Figure I. The BOP will be tested to 10,000 psi.
5. The subject well will be drilled from 600' to 7000' with brine of sufficient weight and gel additives to control formation pressures and condition hole for electric logs & running casing. The mud will be a 10-12 ppg Kcl polymer low solids, low fluid loss mud from 7000-9600' (TD).
6. The auxiliary equipment to be used is as follows:
- Kelly cocks
 - Monitoring equipment on the mud system.
 - Sub on floor with a full opening valve to be stubbed into drill pipe when kelly is not in the string.