Additional Information for
Application for Permit to Drill
Getty Oil Company
I 25 Ark Res 3 Fed. Well No. 1

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

FORMATION	DEPTH FROM SURFACE	Depth Subsea (G.L. 4573)
Tertiary	0'	4573'
Cretaceous	1500'	3073'
Permian	3800'	773'
Pennsylvanian	7300'	-2727'
Silurian-Devonian	9800'	-5227'
PreCambrian	10,100'	-5527'

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

0 - 1000'	Possible fresh water
1150'	Possible oil in Lower Tertiary
4200-4400'	Permian possible gas
7300'	Possible gas Pennsylvanian
9000-10,000'	Possible gas in Silurian-Devonian Group

3. Proposed casing program:

Size	Grade	Thread	Wt.	Top	Bottom	Length
30"	Line Pipe		79.5	0'	40'	40'
16"	H-40	8R ST&C	65	0'	600'	600'
11 3/4"*	H-40	8R ST&C	42	0'	1850'	1850'
8 5/8"	K-55	8R ST&C	24	0'	2400'	2400'
8 5/8"	K-55	8R ST&C	32	2400'	4000'	1650'
5 1/2"	N-80	8R LT&C	17	0'	1100'	1100'
5 1/2"	K-55	8R LT&C	15.5	1100'	7000'	5900'
5 1/2"	K-55	8R LT&C	17	7000'	8550'	1550'
5 1/2"	N-80	8R LT&C	17	8550'	10,200'	1650'

*If no hole problems are encountered at 1850' the hole size will be reduced to 10 5/8" and the 8 5/8" casing set at ± 4000'.

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 7300' 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 7300-10,200' (TD).

6. The auxiliary equipment to be used is as follows:
   a. Kelly cocks
   b. Monitoring equipment on the mud system.
   c. Sub on floor with a full opening value to be stubbed into drill pipe when kelly is not in the string.

7. At the present possible DST's are as follows:
   Permian (2)
   Pennsylvanian (2)
   Silurian-Devonian (1)