

ADDITIONAL INFORMATION
FOR
"APPLICATION FOR PERMIT TO DRILL"
GETTY OIL COMPANY

HUGHES FEDERAL-WELL NO. 4

1. The geologic name of the surface formation is Quaternary Sediments.
2. The estimated top of important geologic markers are as follows:

Formation	Depth	Depth
	From Surface	Subsea (3358' KB)
Rustler	1093'	+2265
Yates	2633'	+ 725
7 Rivers	2883'	+ 475
Queen	3328'	+ 30
Penrose Sand	3448'	+ 10

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

Depth

100' - 1100' - Possible small volume of water.
1100' - 3330' - Possible Oil.
3300' - 3500' - Oil.

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 stock will be tested to 5000 psi.

6. The auxiliary 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.

7. There will be no coring or drill stem tests. The logging program is as follows:

<u>Type of Log</u>	<u>Interval</u>
Compensated Neutron	Surface - TD
CNL Density	1500' - TD
Dual Laterlog	1500' - TD

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8. No anticipated abnormal pressures or temperatures or hydrogen sulfide gas are expected to be encountered.
9. The starting date is immediately. (Depends on availability of the rig.)
It is anticipated that this well should be drilled and completed in 25 days.

MM/bh