

Gulf Energy and Minerals Company - U. S.

SOUTHWEST DIVISION
HOBBS AREA

C. D. Borland
AREA PRODUCTION MANAGER

May 24, 1977

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit
to Drill Proposed Potts
Federal Well No. 1, Eddy
County, New Mexico

RECEIVED

MAY 26 1977

**U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

U. S. G. S.
Drawer "U"
Artesia, New Mexico 88210

Gentlemen:

We are submitting the information requested in (NTL-6) which should accompany application for permit to drill the subject well.

1. Location: 660' FSL and 1980' FEL of Section 13, Township
20 South, Range 27 East, Eddy County, New Mexico
2. Elevation of Unprepared Ground: 3333.2'
3. Geologic Name of Surface Formation: Quaternary Alluvium
4. Type of Drilling Tools: Rotary
5. Proposed Drilling Depth: 11,400'
6. Estimated tops of Geologic Markers: Yates 600', Delaware 2450'
Bone Springs 4625', Wolfcamp 8500'
Atoka 10,325', Morrow 10,850',
Barnett 11,300'.
7. Estimated Depths at which anticipated gas or oil
bearing formations are expected: Bone Springs 5500-6500'
Wolfcamp 8970-9060'
Atoka 10,625-10,700'
Morrow 11,050-11,250'
8. Casing Program and Setting Depth:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	13-3/8"	48#	H-40	600' - 0'
Intermediate	9-5/8"	40#	K-55	3000' - 0'
Production	5-1/2"	17#	N-80	11,400' - 8,200'
	5-1/2"	17#	K-55	8,200' - 800'
	5-1/2"	17#	N-80	800' - 0'

