

# Gulf Oil Exploration and Production Company

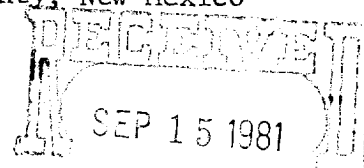
R. C. Anderson  
PRODUCTION MANAGER, HOBBS AREA

September 11, 1981

P. O. Box 670  
Hobbs, NM 88240

Re: Application for Permit to Drill  
Proposed Marquardt Federal Well  
No. 3, Eddy County, New Mexico

U. S. Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico 88201



Gentlemen:

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

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

Well: Marquardt Federal Well No. 3

1. Location: 1650' FSL & 1650' FWL of Section 12-T25S-R26E, Eddy County, New Mexico
2. Elevation of Unprepared Ground: 3297' GL
3. Geologic Name of Surface Formation: Quarternary Alluvium
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 11,950'
6. Estimated Top of Geologic Markers: Delaware, 1990'; Bone Springs, 3740'; Wolfcamp, 8500'; Morrow, 11,100'
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:  
11,100' - 11,600' Morrow
8. Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	10-3/4"	40.5#	H-40	1,800'
Intermediate	7-5/8"	26.4#	S-95	8,600'
Production	5"	15#	N-80	11,100'-11,600'

