

# Gulf Oil Exploration and Production Company

C. D. Borland  
PRODUCTION MANAGER, HOBBS AREA

August 10, 1978

P. O. Box 670  
Hobbs, NM 88240

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

U. S. Geological Survey  
P. O. Drawer "U"  
Artesia, NM 88210

Gentlemen:

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

Well: Marquardt Federal Well No. 1

1. Location: 1650' FNL & 1650' FWL of Section 1, T-25-S, R-26-E, Eddy County, New Mexico.
2. Elevation of Unprepared Ground: 3326' GL.
3. Geologic Name of Surface Formation: Quarternary Alluvium.
4. Type Drilling Tools: Rotary.
5. Proposed Drilling Depth: 11,650'
6. Estimated Top of Geologic Markers: Delaware, 2025'; Bone Springs, 5425'; Wolfcamp, 8575'; Strawn, 10175'; Atoka, 10325'; Morrow, 10990'; Barnett, 11525'.
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
  - a. 10,350' - 10,990' Atoka
  - b. 10,990' - 11,400' Morrow
8. Casing Program and Setting Depths:

	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SETTING DEPTH</u>
Surface	9-5/8"	36#	K55	2,100'
Production	5-1/2"	17#	K55 & N80	11,650'

