

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

April 27, 1979

P. O. Box 870
Hobbs, NM 88240

Re: Application for Permit to Drill
Proposed Marquardt Federal Well
No. 2, 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. 2

1. Location: 1650' FNL & 1650' FWL of Section 12, T-25-S, R-26-E, Eddy County, New Mexico.
2. Elevation of Unprepared Ground: 3327' 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; 2075'; Bone Springs, 5475'; Wolfcamp, 8600'; Strawn, 10250'; Atoka, 10380'; Morrow, 11170'; Barnett, 11,600'.
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
 - a. 9600' - 9750' Wolfcamp
 - b. 11170' - 11650' Morrow
8. Casing Program and Setting Depths:

	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>SETTING DEPTH</u>
Surface	10-3/4"	32.7#	H40	2100'
Intermediate	7-5/8"	26.4#	N80	8600'
Production	5"	15#	N80	8400-11650'

