

Gulf Energy and Minerals Company - U.S.

SOUTHWEST DIVISION
HOBBS AREA

C. D. Borland
AREA PRODUCTION MANAGER

July 15, 1977

P. O. Box 670
Hobbs, NM 88240

Application for Permit to Drill
Keohane Etal Federal #1
Eddy County, New Mexico

U. S. G. S.
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: Keohane Etal Federal #1

1. Location: 1980' FNL and 660' FFL Section 19, T-18-S, R-31-E, Eddy Co., N.M.
2. Elevation of Unprepared Ground: 3619.0' GL.
3. Geologic Name of Surface Formation: Quarternary alluvium.
4. Type Drilling Tools: Rotary.
5. Proposed Drilling Depth: 11,900'.
6. Estimated Tops of Geologic Markers: Anhydrite 520', Yates 2080', Bone Spring 5980', Wolfcamp 9630', Strawn 10,640', Atoka 10,944', Morrow 11,350', Barnett 11,770'.
7. Estimated Depth at Which Anticipated Gas or Oil-Bearing Formations Expected:
 - a. Atoka section 11,000 - 11,030' may produce gas.
 - b. Morrow section 11,570 - 11,700' may produce gas.
8. Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	13-3/8"	48#	K-55	620'
Intermediate	9-5/8"	36# & 40#	K-55	4510'
Production	7"	23# & 26#	K-55 & N-80	11,900'

(continued)

