

Gulf Energy and Minerals Company - U. S.

PRODUCTION DEPARTMENT

HOBBS AREA

C. D. Borland
AREA PRODUCTION MANAGER

March 31, 1977

P. O. Box 670
Hobbs, New Mexico 88240

Application for Permit to Drill
North Shugart
Deep WI Unit Well No. 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: North Shugart Deep WI Unit Well No. 1.

1. Location: 660' FNL and 2180' FEL Section 29, T-18-S, R-31E, Eddy Co. N. M.
2. Elevation of Unprepared Ground: 3622.3 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 9635', Strawn 10,640', Atoka 10,950', Morrow 11,355', Barnett 11,760'.
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
 - a. Atoka section 11,100-11,120' may produce gas.
 - b. Morrow section 11,560-11,730' 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)

