

# Gulf Energy and Minerals Company-U. S.

PRODUCTION DEPARTMENT  
HOBBS AREA

C. D. Borland  
AREA PRODUCTION MANAGER

November 16, 1976

P. O. Box 670  
Hobbs, New Mexico 88240

**RECEIVED**

**NOV 16 1976**

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Application for Permit To Drill  
Proposed Littlefield "EM"  
Federal Com. 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: Littlefield "EM" Federal Com. Well No. 1.

1. Location: 1980' FSL and 1980' FEL Section 20, T-18-S, R-31-E, Eddy Co., N. M.
2. Elevation of Unprepared Ground: 3629' GL.
3. Geologic Name of Surface Formation: Quarternary alluvium.
4. Type Drilling Tools: Rotary.
5. Proposed Drilling Depth: 13,000'.
6. Estimated Tops of Geologic Markers: Anhydrite 530', salt 640', base salt 1850', Yates 2050', Queen 3200', Bone Spring 6200', Wolfcamp 9650', Pennsylvanian 10750', Mississippian 11260', Devonian 12900'.
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
  - a. Pennsylvanian section 10750-11930' may produce gas.
  - b. Devonian section 12900-13000' 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	4500'
Production	5-1/2"	15.5# & 17#	K-55 & N-80	13000'

(continued)

