

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

January 9, 1980

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
Proposed Federal Com "4" Well #1
Lea County, New Mexico

U. S. Geological Survey
P.O. Box 1157
Hobbs, New Mexico 88240

Gentlemen:

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

Well: Federal Com "4" Well #1

1. Location: 1980' FSL & 1980' FWL of Section 4, Township 19 South, Range 32 East, Lea County, New Mexico
2. Elevation of Unprepared Ground: 3660' GL
3. Geological Name of Surface Formation: Quarternary alluvium
4. Type Drilling Tools: Rotary
5. Proposed Drilling Depth: 13,100'
6. Estimated Top of Geologic Markers: Anhydrite 1270'; Salt 1380'; Bone Spring 7150'; Wolfcamp 10,400'; Strawn 11,550'; Atoka 11,940'; Morrow 12,230'; Barnett 13,000'
7. Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
 - a. Bone Springs 9,800' - 9,950'
 - b. Wolfcamp 10,400' - 10,500'
 - c. Morrow 12,600' - 12,800'
8. Casing Program and Setting Depths:

	Size	Weight	Grade	Setting Depth
a. Surface	13-3/8"	48#	H-40	400'
b. Intermediate	8-5/8"	24# & 32#	K-55	4,200'
c. Production	5 1/2"	17#	N-80	13,100'
9. Casing Setting Depth and Cementing Program:
 - a. Surface casing will be 13-3/8" set at 400' and cemented with 525 sacks of Class "H" cement with 2% CaCl₂.

