

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

November 9, 1979

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
Proposed Potts Federal Com. Well #2
Eddy County, New Mexico

U. S. Geological Survey
P.O. Drawer "U"
Artesia, New Mexico 88210

Gentlemen:

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

1. Location: 1980' FNL and 1980' FWL of Section 13, Township 20 South, Range 27 East, Eddy County, New Mexico
2. Elevation of Unprepared Ground: 3309' GL
3. Geologic Name of Surface Formation: Quaternary Alluvium
4. Type of Drilling Tools: Rotary
5. Proposed Drilling Depth: 11,400'
6. Estimated Tops of Geologic Markers: Yates 600'; Delaware 2450'; Bone Springs 4625'; Wolfcamp 8500'; Atoka 10,325'; Morrow 10,850'; Barnett 11,300'
7. Estimated Depths at which Anticipated Gas or Oil Bearing Formations Are Expected: Bone Springs 5500-6500'; Wolfcamp 8970-9060'; Atoka 10,625-10,700'; Morrow 11,050-11,250'
8. Casing Program and Setting Depth:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>
Surface	11-3/4"	42#	H-40	0'- 400'
Intermediate	8-5/8"	24#	K-55	0'- 3,000'
Production	5 1/2"	17#	N-80	8,200'-11,400'
	5 1/2"	17#	K-55	800'- 8,200'
	5 1/2"	17#	N-80	0'- 800'

9. Casing Setting Depth and Cementing Program:

A. Surface casing set at 400' and cemented with 450 sacks Class "H" with 2% CaCl₂.

