

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

May 24, 1979

P. O. Box 670
Hobbs, NM 88240

Re: Application for Permit to Drill
Vandiver Federal Com. No. 1,
Lea County, New Mexico

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

Gentlemen:

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

Well: Vandiver Federal Com. Well No. 1

- (1) Location: 1980'FSL and 1980'FWL Section 18-T18S-R32E, Lea County, New Mexico.
- (2) Elevation of Unprepared Ground: 3692.5' GL
- (3) Geologic Name of Surface Formation: Quarternary alluvium.
- (4) Type Drilling Tools: Rotary.
- (5) Proposed Drilling Depth: 13,100'.
- (6) Estimated Tops of Geologic Markers: Salt 1350', Basalt 2750', Bone Spring 7100', Wolfcamp 10,300', Strawn 11,500', Atoka 11,850', Morrow 12,200', Barnett 12,950'.
- (7) Estimated Depths at which Anticipated Gas or Oil-Bearing Formations Expected:
 - (a) Atoka section 11,850' may produce gas.
 - (b) Morrow section 12,500'-12,900' may produce gas.
- (8) Casing Program and Setting Depths:

	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Setting Depth</u>
Surface	13-3/4"	48#	H-40	400'
Intermediate	8-5/8"	28#	S-80	4,200'
Production	5-1/2"	17#	S-95, N-80, K-55	13,100'



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JUN 19 1979

WILSON CONSERVATION COMM.
RUSSELL, N. M.