

PALMER OIL COMPANY

P.O. BOX 2564
BILLINGS, MONTANA 59103
(406) 248-3151

October 11, 1976

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87401

Attention: Mr. A. R. Kendrick
Supervisor, District 3

Gentlemen:

Palmer Oil Company recently completed the drilling of the Federal 1 No. 1, located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 1, Township 31 North, Range 13 West, San Juan County, New Mexico. Tabulated below are the deviation surveys taken during the drilling operations:

<u>Depth-Feet</u>	<u>Deviation-Degrees</u>
323	3/4
833	2
1332	2-1/4
1835	2
2210	2
2710	1-1/2
2920	3/4
3353	1-1/2
3916	3/4
4478	3/4
4971	3/4
5500	1
6017	3/4
6491	1-1/2
6872	1



I hereby certify that the above are correct.

Signed: Harold W. Elledge

Harold W. Elledge
Petroleum Engineer

Subscribed and sworn to before me this 11th day of October, 1976.

My Commission Expires:
April 2, 1977

Ardyce E. Howell
Notary Public for the State of Montana,
County of Yellowstone