

ERNEST A. HANSON
OIL OPERATOR
P. O. BOX 1515
ROSWELL, NEW MEXICO
88201

October 9, 1968

The following deviation tests were run by Cactus Drilling Corporation, Hobbs, New Mexico, on the dates and at the depths indicated during the drilling the Ernest A. Hanson - #1 Ranger, 1980' FNL & 660' FEL, Sec. 15, T-12-S, R-34-E, Lea County, New Mexico:

9-10-68	10,545'	3-3/4°
9-11-68	10,658'	4-1/2°
9-16-68	11,185'	3-3/4°
9-17-68	11,220'	3-1/2°
9-18-68	11,324'	2-1/2°
9-20-68	11,532'	2-1/2°
9-21-68	11,610'	2-1/2°
9-22-68	11,680'	2-1/2°
9-25-68	11,917'	3/4°
9-28-68	12,215'	1-3/4°
9-30-68	12,390'	2°
10- 2-68	12,610'	2°
10- 5-68	12,860'	1-3/4°

I swear that the information given herewith is complete and correct insofar as can be determined from the mechanical devices used in taking the described survey.

Date: October 9, 1968


Harry F. Schram, Exploration Manager
Ernest A. Hanson

Sworn to before me by Harry F. Schram, this 9th day of October, 1968.

My Commission Expires:

March 29, 1971


Wanda L. Pierce McElvaney
Notary Public