



Telephone (505) 748-2205

L & M DRILLING, INC. — Oil Well Drilling Contractors

P. O. BOX 470 / ARTESIA, NEW MEXICO 88210

September 29, 1993

Phillips Petroleum Company
4001 Penbrook
Odessa, TX 79762

RE: Christopher Federal 31 No. 2
1980' FNL & 330' FEL
Sec. 31, T23S, R31E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
611'	1/4°
706'	1/4°
1186'	1/2°
1717'	1/2°
2215'	1°
2704'	3/4°
3197'	1°
3816'	2°
4120'	1/2°
4441'	1/4°
4962'	3/4°
5457'	1 1/4°
5965'	3/4°
6455'	1°
6956'	1 1/4°
7461'	1 1/4°
8060'	1 1/4°

Very truly yours,

Eddie C. LaRue
Drilling Superintendent

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before
me this 29th day of September, 1993.

NOTARY PUBLIC