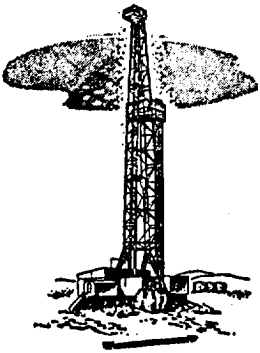


L & M DRILLING, INC. — Oil Well Drilling Contractors

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



September 10, 1993

Phillips Petroleum Company
4001 Penbrook
Odessa, TX 79762

RE: James E Federal No. 15
1980' FSL & 995' FWL
Sec. 12, T22S, R30E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
508'	3/4°
1005'	1/2°
1506'	1/2°
2000'	1 1/2°
2495'	1 1/4°
3021'	2°
3521'	2°
3700'	1 1/4°

Very truly yours,

C. E. LaRue
Vice President

(The above deviation survey is through the depth at which 8-5/8" casing was set. The company which handled the directional drilling past this depth should send additional deviation figures.)

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 10th day of September, 1993.

NOTARY PUBLIC

