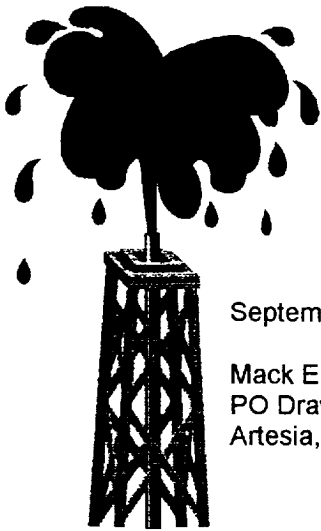




Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

PO Box 1370
505/746-6651

Artesia, NM 88211-1370
746-3518 fax 748-2205

September 29, 1999

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Wooley Federal #4
1090' FSL & 990' FWL
Sec. 21, T17S, R30E
Eddy County, New Mexico

Gentlemen:

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

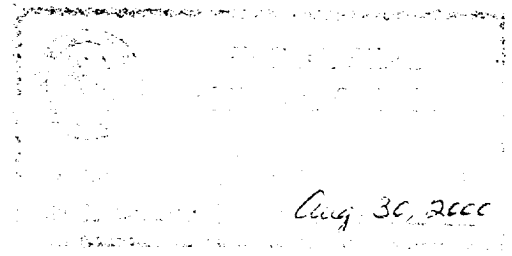
DEPTH	DEVIATION
453'	1/2°
719'	1°
1166'	1 1/4°
1431'	1/4°
1639'	1/2°
1900	1 1/2°
2160	2°
2400'	1 3/4°
2665'	2°
2852'	2°
2946'	2°
3258'	1 3/4°
3844'	2°
4341'	2°
4865'	1 3/4°
5170'	1 1/2°

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 29th day of September, 1999.

Notary Public

99_963

Serving Southeast New Mexico and West Texas Since 1974

