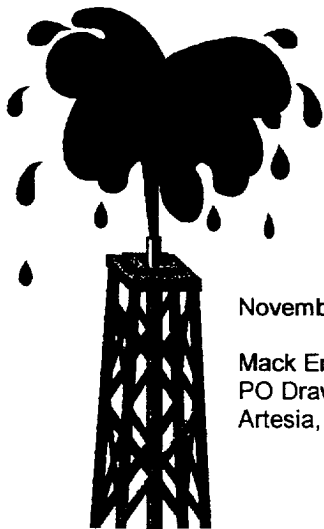




Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

November 29, 1999

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

RE: Wooley Federal #5
1550' FSL & 2310' FWL
Sec. 21, T17S, R30E
Eddy County, New Mexico

Gentlemen:

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

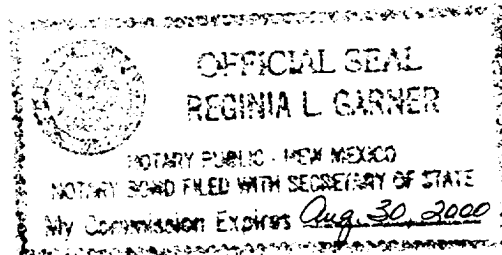
DEPTH	DEVIATION
453'	1 1/2°
893'	3/4°
1156'	1 1/2°
1382'	2°
1640'	2 3/4°
1880	1 1/2°
2166	1/2°
2250'	1/4°
2405'	1/2°
2658'	1/2°
2742'	3/4°
2835'	3/4°
2930'	3/4°
3023'	3/4°
3212'	1 3/4°
3427'	2 1/4°
3686'	1 1/4°
4093'	2°
4496'	2°
4964'	2°

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 November, 1999.

Notary Public

99_972

Serving Southeast New Mexico and West Texas Since 1974