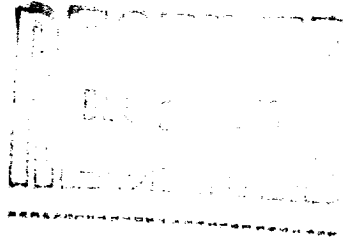


# Artesia Fishing Tool Co., Inc.

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

December 30, 1999

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



RE: Harper State #1  
430' FSL & 330' FEL  
Sec. 16, T17S, R30E  
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
455'	1°
1115'	1/4°
1614'	3/4°
2108'	3/4°
2543'	1°
2944'	3/4°
3536'	1°
4072'	3/4°
4592'	1°
4875	3/4°

Very truly yours,

Eddie C. LaRue  
Vice President

STATE OF NEW MEXICO }  
COUNTY OF EDDY }

The foregoing was acknowledged before me  
this 38th day of December, 1999.

  
\_\_\_\_\_  
Notary Public

99\_976

*Serving Southeast New Mexico and West Texas Since 1974*

