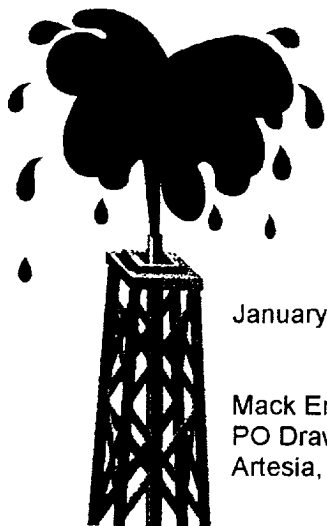




Artesia Fishing Tool Co., Inc.

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

January 4, 1999

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

RE: White Star Federal #5
1650' FNL & 2220' FEL
Sec. 29, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
330'	1/2°
503'	1/2°
855'	1/4°
1094'	1°
1340'	1°
1613'	1 1/4°
1900'	2°
2146'	1°
2520'	1 3/4°
3010'	1 1/2°
3508'	1 1/2°
4008'	1 1/4°
4502'	1 1/4°
5100'	1 3/4°
5213'	2°

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 4th day of January, 1999.

Notary Public

98_928.DOC

Serving Southeast New Mexico and West Texas Since 1974