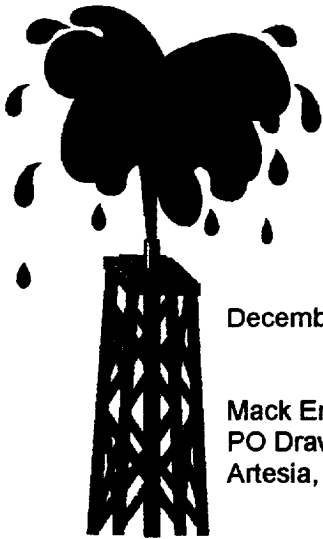




Artesia Fishing Tool Co., Inc.

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

December 22, 1998

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

RE: Gold Star Federal #1
1235' FNL & 370' FEL
Sec. 30, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

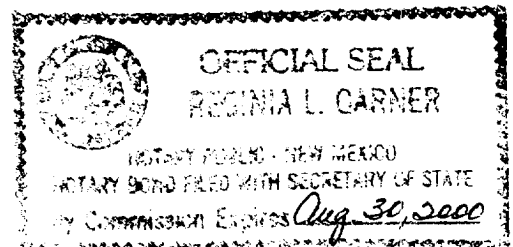
DEPTH	DEVIATION
305'	1/4°
514'	1/4°
872'	1°
1079'	1°
1521'	1 1/4°
1793'	1 3/4°
2114'	1 1/4°
2516'	1 3/4°
2975'	1 3/4°
3504'	1 1/4°
3840'	1 1/2°
4257'	1 3/4°
4588'	1 1/2°
5125'	2°

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 22nd day of December, 1998.

Notary Public

98_927.DOC

Serving Southeast New Mexico and West Texas Since 1974