

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 27, 1999

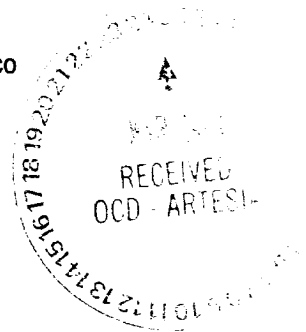
Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: White Star Federal #2
1650' FSL & 1650' FEL
Sec. 29, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
328'	1/2°
600'	1°
815'	1°
1087'	1°
1313'	3/4°
1623'	1°
2123'	1°
2495'	1 1/2°
3011'	1 3/4°
3477'	1 1/2°
4011'	1 1/2°
4498'	1 3/4°
5001'	1 1/2°
5527'	1 3/4°

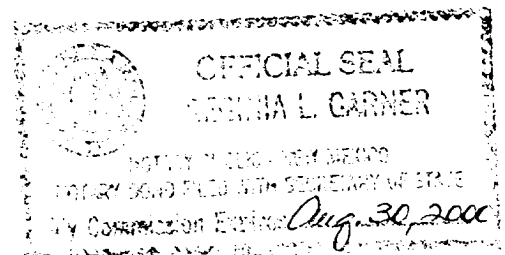


Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 27th day of January, 1999.

Notary Public

98_930.DOC

Serving Southeast New Mexico and West Texas Since 1974