



Artesia Fishing Tool Co., Inc.

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

August 3, 1999

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

RE: Shawnee Federal #1
1650' FSL & 2310' FEL
Sec. 15, T17S, R30E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
505'	1°
789'	1°
1201'	1 1/2°
1513'	1°
1853'	1 1/4°
2134'	1/4°
2660'	1°
2979'	3/4°
3433'	1/4°
3930'	3/4°
4429'	1 1/2°
5074'	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 3rd day of August, 1999.

Notary Public

My Commission Expires: May 13, 2002

99-953.DOC

Serving Southeast New Mexico and West Texas Since 1974