



# 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 3, 2002

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

RE: Fir Federal #1  
1770' FSL & 990' FWL  
Sec. 25, T17S, R27E  
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
262'	1/2°	3362'	1 1/2°
419'	3/4°	3615'	1 3/4°
680'	3/4°	3907'	1 3/4°
930'	1°	4361'	1 3/4°
1207'	1°	4794'	1 3/4°
1461'	1°	5270'	1 1/2°
1701'	1°	5702'	1 3/4°
1930'	1 1/4°	6189'	1°
2270'	1 1/2°	6689'	1°
2521'	1 1/2°	6795'	1°
2768'	1 1/2°	7208'	1°
3021'	1 1/2°		

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 January, 2002.

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

Aug. 30, 2004

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*Serving Southeast New Mexico and West Texas Since 1974*