

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 25, 2002

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

RE: State S 19 #20
990' FSL & 330' FWL
Sec. 19, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

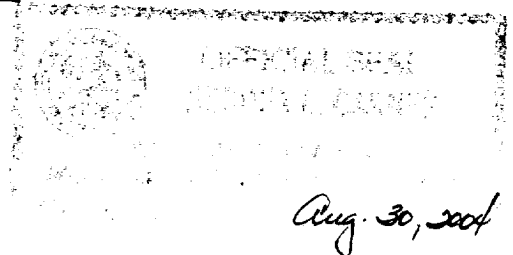
DEPTH	DEVIATION
330'	1/2°
848'	1 1/2°
1312'	1°
1744'	3/4°
2240'	3/4°
2635'	3/4°
3108'	3/4°
3601'	3/4°
4265'	3/4°

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY

The foregoing was acknowledged before me
this 25th day of January, 2002.

Notary Public

01_1110

Serving Southeast New Mexico and West Texas Since 1974