

Artesia Fishing Tool Co., Inc.

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

November 21, 2001

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

RE: State S 19 #19
2310' FSL & 550' FWL
Sec. 19, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

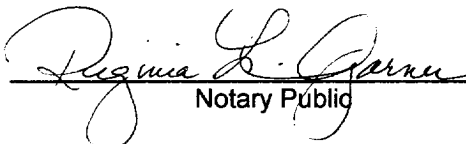
DEPTH	DEVIATION
330'	1/2°
846'	1°
1343'	3/4°
1863'	1°
2300'	1 3/4°
2497'	1 3/4°
3009'	1°
3501'	1 1/4°
3933'	1°
4225'	1 1/2°

Very truly yours,

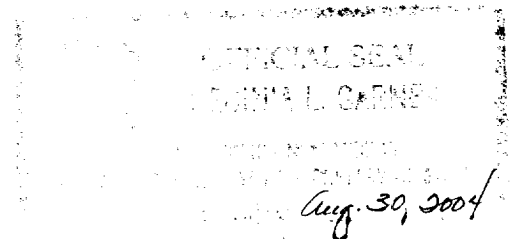

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 21st day of November, 2001.


Notary Public

NOV 26 2001



01_1096

Serving Southeast New Mexico and West Texas Since 1974