



Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

PO Box 1370
505/746-6651

Artesia, NM 88211-1370
746-3518 fax 748-2205

May 30, 1997

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

RE: McIntyre E Federal #3
2135' FSL & 2310' FWL
Sec. 20, T17S, R30E
Eddy County, New Mexico

Gentlemen:

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

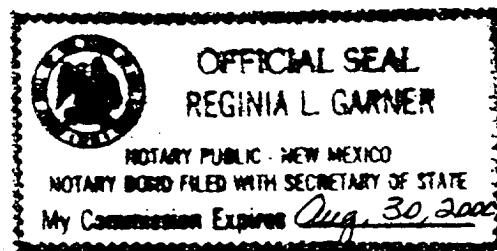
| DEPTH | DEVIATION |
|-------|-----------|
| 460' | 1 1/2 |
| 710' | 3/4 |
| 1095' | 2 1/4 |
| 1400' | 1 |
| 1713' | 1 3/4 |
| 2200' | 2 |
| 2705' | 2 |
| 3171' | 2 1/4 |
| 3700' | 2 1/4 |
| 4018' | 1 1/2 |
| 4515' | 1 1/2 |
| 4840' | 1 1/2 |

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 30th day of May, 1997.

Notary Public

Serving Southeast New Mexico and West Texas Since 1974

RECEIVED

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BLM
ROSWELL, NM