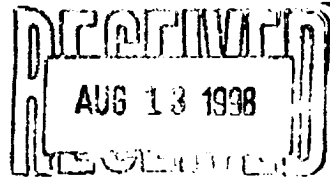


L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS
PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

August 12, 1998

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



RE: McIntyre E Federal #5
 1650' FSL & 1650' FWL
 Sec. 20, T17S, R30E
 Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
417'	1/2°
754'	1°
1067'	1°
1295'	3/4°
1596'	1°
2007'	2°
2245'	2 1/4°
2533'	2°
2986'	1 3/4°
3481'	1 1/4°
4072'	1 1/4°
4549'	1 1/4°
4982'	1 1/2°
5285'	1 1/4°
5525'	1 1/2°

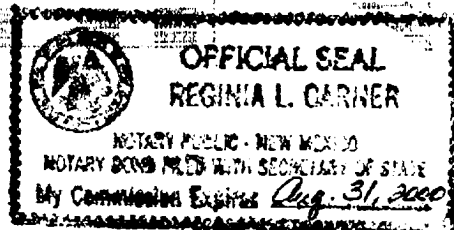
Very truly yours,

Eddie C. LaRue
 Vice President

STATE OF NEW MEXICO
 COUNTY OF EDDY

The foregoing was acknowledged before me
 this 12th day of August, 1998.

Notary Public



98_08_48.DOC

SERVING SOUTHEAST NEW MEXICO AND WEST TEXAS SINCE 1978