

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

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

December 21, 1999

DEC 22 1999

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

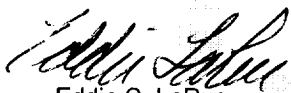
RE: State S-19 #12
 990' FSL & 990' FEL
 Sec. 19, T17S, R29E
 Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
371'	1°
591'	1°
843'	3/4°
989'	1/2°
1165'	1/2°
1349'	1/2°
1540'	3/4°
1695'	1°
1872'	1°
2097'	1 3/4°
2411'	1 3/4°
2504'	1 1/2°
2714'	1 1/2°
2908'	1 1/4°
3210'	1 1/4°
3706'	3/4°
4225'	1°

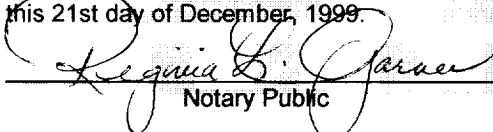
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 21st day of December, 1999.


Notary Public