

L & M DRILLING, INC.

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

April 16, 2004

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

RECEIVED

APR 19 2004

RE: Leopard Federal #1
2310' FNL & 1650' FWL
Sec. 34, T17S, R32E
Lea County, New Mexico

Unit F
30-025-36601

Gentlemen:

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

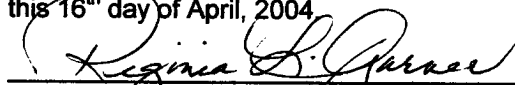
DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
120'	1/4°	2086'	1 1/4°	3756'	3 1/2°
264'	1/4°	2335'	1 1/2°	3853'	3 3/4°
416'	3/4°	2478'	1 3/4°	3975'	3 3/4°
569'	1/2°	2661'	2 1/4°	4225'	4 3/4°
781'	3/4°	2826'	2°	4318'	4 1/2°
873'	1/2°	2940'	1 1/2°	4408'	4°
1092'	3/4°	3105'	2°	4501'	3 3/4°
1280'	1 3/4°	3259'	2 3/4°	4603'	2 3/4°
1499'	1 3/4°	3384'	3°	4841'	3°
1717'	1 1/4°	3479'	2 1/2°	4938'	2 3/4°
1933'	1 1/4°	3633'	2 3/4°	5360'	3°

Very truly yours,


Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 16th day of April, 2004


Regina L. Garner
Notary Public

