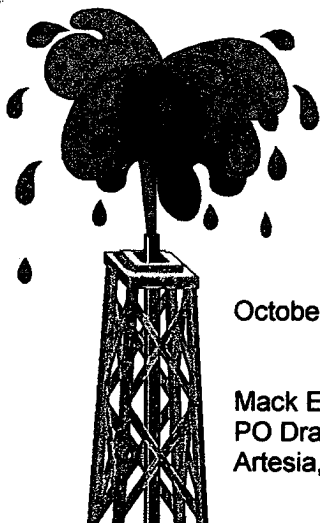




Artesia Fishing Tool Co., Inc.

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

October 28, 2003

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

RE: Federal MA A #2
1650' FNL & 330' FEL
Sec. 31, T17S, R33E
Lea County, New Mexico

Unit E
30-025-36388

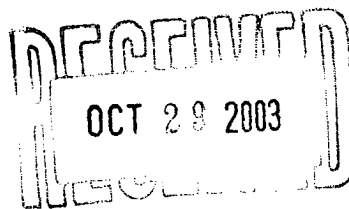
Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
359'	1/2°	3449'	2 1/2°	5004'	4 1/4°
667'	1°	3737'	3 3/4°	5080'	4°
1059'	1/2°	3835'	4 1/4°	5164'	4°
1304'	1°	3926'	4°	5455'	3 3/4°
1500'	1°	4141'	4 1/4°	5541'	3 3/4°
1950'	1°	4481'	4 1/2°	5771'	2 1/2°
2553'	1°	4512'	4°	5805'	2 1/2°
2580'	1°	4606'	3 3/4°		
3083'	1 1/4°	4900'	4 3/4°		

Very truly yours,

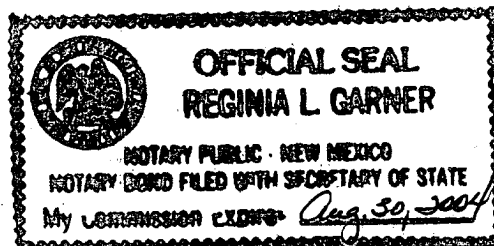
Eddie C. LaRue
Vice President



STATE OF NEW MEXICO
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 28th day of October, 2003.

Notary Public



03-1246

Serving Southeast New Mexico and West Texas Since 1974