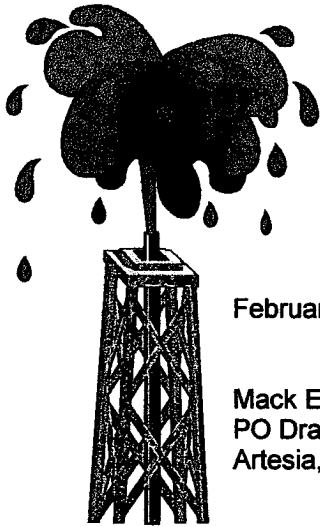




Artesia Fishing Tool Co., Inc.

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

February 20, 2003

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

RE: Sapphire State #3
1650' FNL & 330' FWL
Sec. 11, T23S, R36E
Lea County, New Mexico

unit E

30-025-36098

Gentlemen:

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

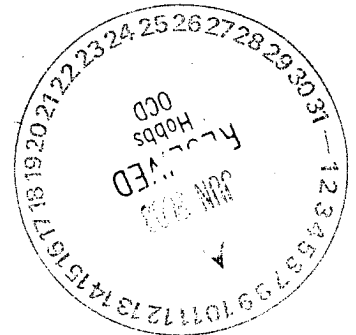
DEPTH	DEVIATION	DEPTH	DEVIATION
193'	1/4°	3314'	1 3/4°
317'	1/2°	3426'	1°
557'	1°	3649'	1°
771'	1/2°	4116'	1/2°
957'	1/2°	4547'	1°
1238'	1 1/4°	4982'	1 1/2°
1561'	3/4°	5449'	1 1/4°
1923'	1/2°	5916'	1 1/4°
2383'	1 1/2°	6383'	1°
2631'	1 3/4°	6822'	1°
2881'	2 3/4°	7315'	1 1/4°
3068'	1 3/4°	7780'	1 1/2°
3099'	2 1/4°	8218'	1 3/4°
3193'	2°	8648'	1 1/2°

Very truly yours,

Eddie C. LaRue
Vice President

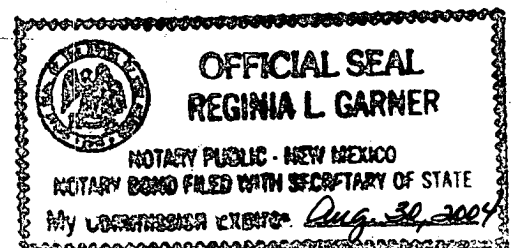
RECEIVED

FEB 20 2003



STATE OF NEW MEXICO
COUNTY OF EDDY

The foregoing was acknowledged before me
this 20th day of February, 2002.

Notary Public

03-1201

Serving Southeast New Mexico and West Texas Since 1974