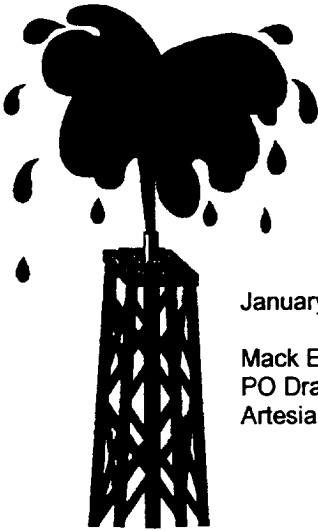




Artesia Fishing Tool Co., Inc.

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

January 31, 2000

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

RE: J C Federal #2
2310' FNL & 2310' FWL
Sec. 22, T17S, R32E
Lea County, New Mexico

RECEIVED
JAN 31 2000
ARTESIA

Gentlemen:

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

DEPTH	DEVIATION
331'	1/4°
513'	3/4°
752'	1°
993'	1°
1243'	1°
1525	1 1/4°
1750	1 1/2°
2116'	1°
2399'	1°
2900'	3/4°
3400'	1°
3986'	1°
4019'	1°
4504'	1°
5000'	3/4°
5400'	1°
5950'	1°

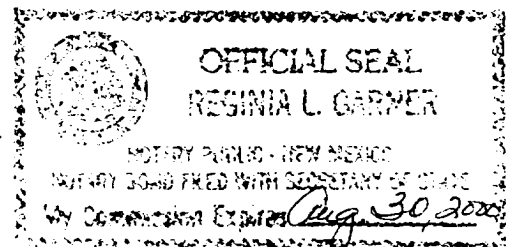
Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 31st day of January, 2000.

Notary Public



RECEIVED
2000 MAR -6 P 3 46
BUREAU OF LAND MANAGEMENT
ROSWELL OFFICE

32421