

Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

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

March 16, 2000

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

RE: M C Federal #4
2310' FSL & 330' FWL
Sec. 21, T17S, R32E
Lea County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
313'	1°
650'	1 1/4°
888'	1 3/4°
1157'	1 1/2°
1466'	1 3/4°
1712'	2°
2000'	1 3/4°
2202'	2°
2450'	1 3/4°
2674'	2 1/4°
3206'	1/2°
3700'	1/4°
4200'	1/2°
4676'	1 3/4°
5191'	2°
5980'	1 1/4°

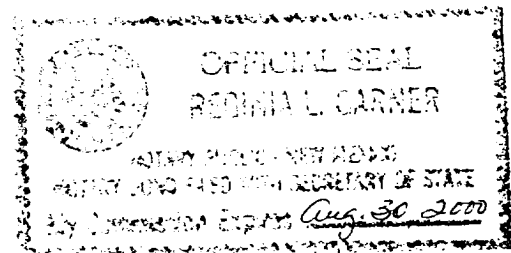
Remainder of the well was a deviated well, with those deviations supplied to the operator by another company.

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 March, 2000.

Notary Public

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Serving Southeast New Mexico and West Texas Since 1974

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