

Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors

PO Box 1370
505/746-6651

Artesia, NM 88211-1370
746-3518 fax 748-2205

September 14, 2000

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

RE: Cheyenne Federal #1
840' FSL & 2310' FEL
Sec. 30, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

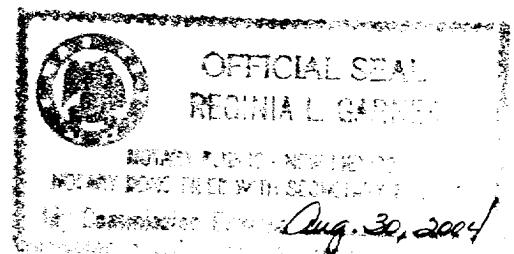
DEPTH	DEVIATION
335'	1°
830'	1°
1316'	3/4°
1875'	1 3/4°
2300'	2°
2701'	1 3/4°
3205'	1 3/4°
3880'	2°
4317'	2°
4811'	2°
5400'	2 1/4°

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 14th day of September, 2000.

Notary Public

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Serving Southeast New Mexico and West Texas Since 1974