

Artesia Fishing Tool Co., Inc.

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

November 25, 2003

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

RE: Dogwood Federal #1
2310' FNL & 1650' FWL
Sec. 25, T17S, R27E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
164'	1/4°	4220'	1/2°
313'	1/4°	4685'	3/4°
415'	1/4°	5070'	1°
920'	3/4°	5520'	1/2°
1164'	3/4°	6106'	1/2°
1631'	3/4°	6542'	1/2°
2090'	3/4°	6976'	3/4°
2554'	1°	7223'	3/4°
2989'	1°	7288'	1°
3328'	3/4°	7331'	1°
3759'	1°		

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 25th day of November, 2003.

Notary Public

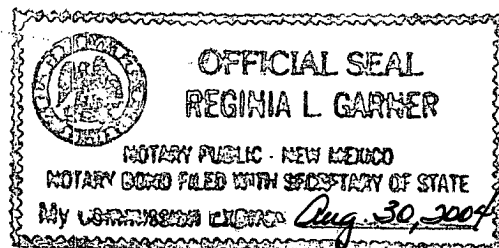
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OCD-ARTESIA



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