

# Artesia Fishing Tool Co., Inc.

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

August 21, 2003

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

RE: Brown Federal #4  
1040' FNL & 330' FWL  
Sec. 31, T17S, R32E  
Lea County, New Mexico

Unit D  
30-025-36321

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
252'	1/4°	2223'	2°
675'	1°	2509'	1 1/4°
813'	1 3/4°	2981'	1 3/4°
1016'	1 3/4°	3232'	1 1/2°
1327'	1 1/4°	3478'	1 1/2°
1666'	3/4°	3727'	1 1/2°
2005'	1 1/2°	4008'	2°
		4450'	1 1/4°

Very truly yours,

Eddie C. LaRue  
Vice President

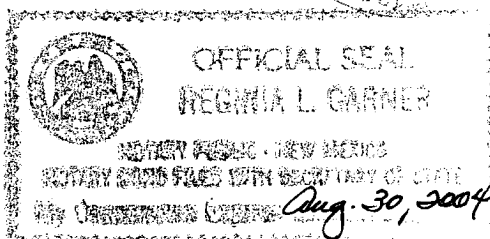
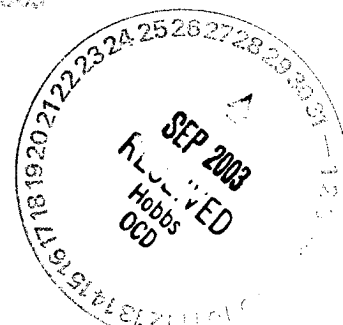
STATE OF NEW MEXICO }  
COUNTY OF EDDY }

The foregoing was acknowledged before me  
this 21<sup>st</sup> day of August, 2003.

  
\_\_\_\_\_  
Notary Public

RECEIVED

AUG 22 2003



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Serving Southeast New Mexico and West Texas Since 1974