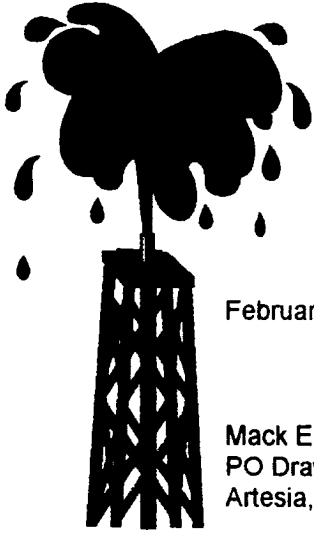




# Artesia Fishing Tool Co., Inc.

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

February 24, 1998

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

RE:      White Star Federal #1  
         2150' FNL & 330' FEL  
         Sec. 29, T17S, R29E  
         Eddy County, New Mexico

Gentlemen:

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

| DEPTH | DEVIATION | DEPTH | DEVIATION |
|-------|-----------|-------|-----------|
| 315'  | 1         | 3479' | 1         |
| 609'  | 1 1/2     | 3972' | 1 1/4     |
| 1106' | 1/2       | 4531' | 1 1/2     |
| 1292' | 1/2       | 4997' | 1 1/4     |
| 1808' | 1         | 5412' | 1 1/2     |
| 2305' | 1         | 5894' | 1 1/4     |
| 2498' | 3/4       | 6779' | 1         |
| 3017' | 1         | 7339' | 1         |
|       |           | 7352' | 1         |

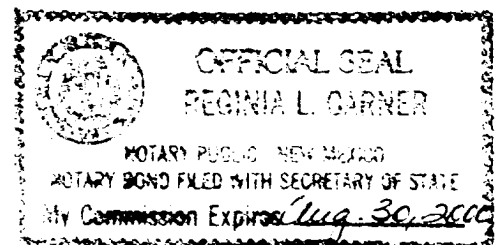
Very truly yours,

Eddie C. LaRue  
Vice President

STATE OF NEW MEXICO      }  
COUNTY OF EDDY      }

The foregoing was acknowledged before me  
this 24th day of February, 1998.

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



98\_879.DOC

*Serving Southeast New Mexico and West Texas Since 1974*