

ARCO Permian  
600 N. Marienfeld  
P.O. Box 1610  
Midland, TX 79702

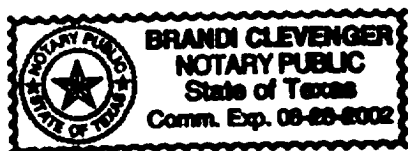
<sup>WN</sup>  
McDonald State # 34  
Lea County, NM

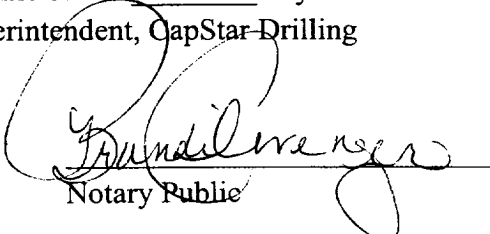
Unit K 1810/5 4 2030 W  
14.225 - 360  
30.025 - 34546

|      |       |       |      |        |        |
|------|-------|-------|------|--------|--------|
| 448  | 4.48  | 3/4   | 1.31 | 5.88   | 5.88   |
| 966  | 9.66  | 3/4   | 1.31 | 12.68  | 12.68  |
| 1462 | 14.62 | 3/4   | 1.31 | 19.19  | 19.19  |
| 1955 | 19.55 | 1 1/4 | 2.19 | 42.77  | 42.77  |
| 2448 | 24.48 | 1     | 1.75 | 42.84  | 42.84  |
| 2940 | 29.40 | 2 1/2 | 4.38 | 128.63 | 128.63 |
| 3033 | 30.33 | 2 1/2 | 4.38 | 132.69 | 132.69 |
| 3305 | 33.05 | 2     | 3.50 | 115.68 | 115.68 |
| 3600 | 36.00 | 1 1/2 | 2.63 | 94.50  | 94.50  |

  
Michael Roghair - Drilling Superintendent

The attached instrument was acknowledged before me on the 5 day of  
January, 1999 by Michael Roghair - Drilling Superintendent, CapStar Drilling



  
Notary Public