

Quarles Drilling Corp.  
Deviation Test

*Enron Oil & Gas Co*

Rock Lake "6" Federal #1  
660 FNL & 1980 FWL, Sec. 6, t23a, R35 E  
Lea County, New Mexico.

| <u>Course Length</u> | <u>Angle of<br/>Inclination</u> | <u>Displacement per<br/>Hundred Feet</u> | <u>Course<br/>Displacement</u> | <u>Accumulative<br/>Displacement</u> |
|----------------------|---------------------------------|------------------------------------------|--------------------------------|--------------------------------------|
| 1.30                 | .25                             | .44                                      | .57                            | .57                                  |
| .91                  | .25                             | .44                                      | .40                            | .97                                  |
| .89                  | .75                             | 1.31                                     | 1.17                           | 2.14                                 |
| .90                  | .75                             | 1.31                                     | 1.18                           | 3.32                                 |
| 2.41                 | .75                             | 1.31                                     | 3.15                           | 6.47                                 |
| 1.87                 | .50                             | .87                                      | 1.62                           | 8.09                                 |
| 2.33                 | .75                             | 1.31                                     | 3.05                           | 11.14                                |
| .29                  | .50                             | .87                                      | .25                            | 11.39                                |
| 1.64                 | .25                             | .44                                      | .72                            | 12.11                                |
| 2.76                 | .25                             | .44                                      | 1.21                           | 13.32                                |
| 5.60                 | .50                             | .87                                      | 4.87                           | 18.19                                |
| 4.74                 | .50                             | .87                                      | 4.12                           | 22.31                                |
| 5.53                 | .50                             | .87                                      | 4.81                           | 27.12                                |
| 4.71                 | .75                             | 1.31                                     | 6.17                           | 33.29                                |
| 4.94                 | 1.00                            | 1.75                                     | 8.64                           | 41.96                                |
| 5.14                 | 1.00                            | 1.75                                     | 8.99                           | 50.95                                |
| 5.14                 | .75                             | 1.31                                     | 6.73                           | 57.68                                |
| 3.69                 | 1.25                            | 2.18                                     | 8.04                           | 65.72                                |
| 4.15                 | .75                             | 1.31                                     | 5.44                           | 71.16                                |
| 5.90                 | .75                             | 1.31                                     | 7.73                           | 78.89                                |
| 5.00                 | 1.00                            | 1.75                                     | 8.75                           | 87.64                                |
| 4.97                 | .50                             | .87                                      | 4.32                           | 91.96                                |
| 5.00                 | .75                             | 1.31                                     | 6.55                           | 98.51                                |
| 4.96                 | .25                             | .44                                      | 2.18                           | 100.69                               |
| 5.23                 | .75                             | 1.31                                     | 6.85                           | 107.54                               |
| 3.85                 | 1.75                            | 3.05                                     | 11.74                          | 119.29                               |
| 2.59                 | 2.00                            | 3.49                                     | 9.04                           | 128.33                               |
| 1.67                 | 1.25                            | 2.18                                     | 3.64                           | 131.97                               |
| 1.87                 | 1.25                            | 2.18                                     | 4.04                           | 136.04                               |
| 1.56                 | 1.00                            | 1.75                                     | 2.73                           | 138.77                               |
| 4.67                 | 1.00                            | 1.75                                     | 8.17                           | 146.94                               |
| 5.05                 | 1.00                            | 1.75                                     | 8.83                           | 155.77                               |
| 5.74                 | 1.00                            | 1.75                                     | 10.04                          | 165.81                               |

I declare that I am authorized to make this certification, that I have personal knowledge of the Deviation Test and that such data and facts are true, correct, and complete to the best of my knowledge.

*Ray T. [Signature]*  
(Name)  
*Quarles Drilling Corp.*  
(Company)  
*3-24-88*  
(Date)

Subscribed and Sworn Before me  
this 25<sup>th</sup> day of March, 1988  
*Connie M. Cooley*  
(Notary Public)

| C.L. | A.o.I | Disp. | Course<br>Disp. | Accum.<br>Disp. |
|------|-------|-------|-----------------|-----------------|
| 5.46 | 1.75  | 3.05  | 16.65           | 182.46          |
| 1.86 | 1.75  | 3.05  | 5.67            | 188.13          |
| 1.55 | 2.00  | 3.49  | 5.40            | 193.53          |
| .97  | 2.00  | 3.49  | 3.38            | 196.91          |
| 1.62 | 1.75  | 3.05  | 4.94            | 201.85          |
| 2.92 | 2.00  | 3.49  | 10.19           | 212.04          |
| 2.34 | 2.00  | 3.49  | 8.16            | 220.20          |
| 2.30 | 2.25  | 3.93  | 9.04            | 229.24          |
| 6.30 | 1.50  | 2.62  | 16.50           | 245.74          |

TD: 14,250'

Betty Wilson  
Enron oil & Gas Company  
3/28/88

MAR 30 1988  
GCS  
ADDRESS OFFICE