

LANDIS DRILLING COMPANY

P. O. Box 3579  
Midland, Texas 79702

OPERATOR BTA Oil Producers ADDRESS 104 South Pecos, Midland, TX 79701  
LEASE NAME 8609 JV-P Hartley WELL NUMBER #1  
LOCATION 1650' FSL & 330' FEL, Section 26, T-13-S, R-37-E, Lea County, New Mexico

| DEPTH | ANGLE<br>INCLINATION - DEGREES | DISPLACEMENT | ACCUMULATIVE<br>DISPLACEMENT |
|-------|--------------------------------|--------------|------------------------------|
| 400   | 1/4                            | 1.75         | 1.75                         |
| 873   | 1/2                            | 4.13         | 5.88                         |
| 1371  | 1/2                            | 4.35         | 10.23                        |
| 1871  | 1/4                            | 2.19         | 12.42                        |
| 2238  | 1                              | 6.40         | 18.82                        |
| 2733  | 1                              | 8.64         | 27.46                        |
| 3212  | 1                              | 8.36         | 35.82                        |
| 3700  | 1 1/2                          | 12.78        | 48.60                        |
| 4165  | 1 1/4                          | 10.15        | 58.75                        |
| 4615  | 1                              | 7.85         | 66.60                        |
| 4700  | 1                              | 1.48         | 68.08                        |
| 5083  | 1 1/4                          | 8.36         | 76.44                        |
| 5547  | 1                              | 8.10         | 84.54                        |
| 6050  | 1                              | 8.78         | 93.32                        |
| 6547  | 1/2                            | 4.34         | 97.66                        |
| 7047  | 1                              | 8.73         | 106.39                       |
| 7275  | 3/4                            | 2.98         | 109.37                       |
| 7763  | 1                              | 8.52         | 117.89                       |
| 8223  | 1 1/4                          | 10.04        | 127.93                       |
| 8701  | 1 1/4                          | 10.43        | 138.36                       |
| 9110  | 1 1/2                          | 10.71        | 149.07                       |
| 9347  | 1 1/4                          | 5.17         | 154.24                       |
| 9829  | 1 1/4                          | 10.52        | 164.76                       |
| 10301 | 1 1/2                          | 12.36        | 177.12                       |
| 10681 | 1                              | 6.63         | 183.75                       |
| 11174 | 1 3/4                          | 15.06        | 198.81                       |
| 11649 | 1 1/2                          | 12.44        | 211.25                       |
| 11899 | 2 3/4                          | 12.00        | 223.25                       |
| 12304 | 4 1/4                          | 30.01        | 253.26                       |
| 12473 | 5                              | 14.73        | 267.99                       |
| 12620 | 4 1/4                          | 10.89        | 278.88                       |
| 12670 | 3 3/4                          | 3.27         | 282.15                       |

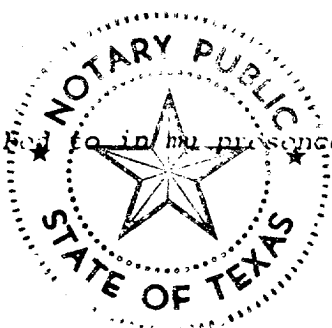
I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

LANDIS DRILLING COMPANY

By: Gary W. Chappell  
Title: Vice President - Contracts

AFFIDAVIT:

Before me, the undersigned authority, appeared Gary W. Chappell known to me to be the person whose name is subscribed hereabove, who on making deposition, under oath states that he is acting for and in behalf of the Operator of the well identified above, and that to the best of his knowledge and belief, such well was not intentionally deviated from the true vertical whatsoever.



Sworn and subscribed to in my presence on this the 30th day of January 19 87.

Linnie Travis  
AFFIDANT'S SIGNATURE

Linnie Travis  
NOTARY PUBLIC  
**LINNIE TRAVIS**  
Notary Public in & for  
The State of Texas  
My Commission Expires 2-19-88

RECEIVED  
MAY 5 1987  
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HOBBS OFFICE