

# INCLINATION REPORT

(One Copy Must Be Filled With Each Completion Report.)

|                                                                                                              |                                 |                                                          |
|--------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------|
| 1. OLD NAME<br>LOVING NORTH WILDCAT MORROW                                                                   | 2. LEASE NAME<br>LOVING 1 STATE | 6. District<br>2                                         |
| 3. OPERATOR<br>HNG OIL COMPANY                                                                               |                                 | 8. Well Number<br>1                                      |
| 4. ADDRESS<br>P.O. BOX 2267, MIDLAND, TEXAS 79702                                                            |                                 | 9. Identification Number (Gas completions only)<br>LG-23 |
| 5. LOCATION (Section, Block, and Survey)<br>UNIT LETTER B LOCATED 990' FNL AND 1980' FEL, SEC. 1, T24S, R27E |                                 | 10. County<br>EDDY                                       |

## RECORD OF INCLINATION

| Measured Depth (feet) | 12. Course Length (Hundreds of feet) | 13. Angle of Inclination (Degrees) | 14. Displacement per Hundred Feet (Sine of Angle X100) | 15. Course Displacement (feet) | 16. Accumulative Displacement (feet) |
|-----------------------|--------------------------------------|------------------------------------|--------------------------------------------------------|--------------------------------|--------------------------------------|
| 145                   | 145                                  | 1/4                                | .44                                                    | .64                            | .64                                  |
| 371                   | 226                                  | 1/4                                | .44                                                    | .99                            | 1.63                                 |
| 725                   | 354                                  | 1                                  | 1.75                                                   | 6.20                           | 7.83                                 |
| 850                   | 125                                  | 1                                  | 1.75                                                   | 2.19                           | 10.02                                |
| 976                   | 126                                  | 1                                  | 1.75                                                   | 2.21                           | 12.23                                |
| 1101                  | 125                                  | 1-1/4                              | 2.18                                                   | 2.73                           | 14.96                                |
| 1225                  | 124                                  | 1-1/4                              | 2.18                                                   | 2.70                           | 17.66                                |
| 1351                  | 126                                  | 1                                  | 1.75                                                   | 2.21                           | 19.87                                |
| 1456                  | 105                                  | 1                                  | 1.75                                                   | 1.84                           | 21.71                                |
| 1724                  | 268                                  | 2                                  | 3.49                                                   | 9.35                           | 31.06                                |
| 1850                  | 126                                  | 1-1/2                              | 2.62                                                   | 3.30                           | 34.36                                |
| 1975                  | 125                                  | 2-3/4                              | 4.80                                                   | 6.00                           | 40.36                                |
| 2220                  | 245                                  | 2                                  | 3.49                                                   | 8.55                           | 48.91                                |
| 2400                  | 280                                  | 2-1/2                              | 4.36                                                   | 7.85                           | 56.76                                |
| 2500                  | 100                                  | 2-3/4                              | 4.80                                                   | 4.80                           | 61.56                                |
| 2600                  | 100                                  | 2-3/4                              | 4.80                                                   | 4.80                           | 66.36                                |

If additional space is needed, use the reverse side of this form.

Is any information shown on the reverse side of this form? ☒ yes ☐ no

Accumulative total displacement of well bore at total depth of 12,900 feet = 289.95 feet.

Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe

Distance from surface location of well to the nearest lease line \_\_\_\_\_ feet.

Minimum distance to lease line as prescribed by field rules \_\_\_\_\_ feet.

Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO

(If the answer to the above question is "yes", attach written explanation of the circumstances.)

### INCLINATION DATA CERTIFICATION

Brice L. Smith  
 Signature of Authorized Representative

BRICE L. SMITH  
 Name of Person and Title (type or print)

PARKER DRILLING COMPANY  
 Name of Company

Telephone: \_\_\_\_\_  
 Area Code \_\_\_\_\_

### OPERATOR CERTIFICATION

Betty Gildon  
 Signature of Authorized Representative

Betty Gildon, Regulatory Clerk  
 Name of Person and Title (type or print)

HNG OIL COMPANY  
 Operator

Telephone: 915 683-4871

CHEERYL A. MINCES - Notary Public  
 In and for Midland County, Texas  
 My Commission Expires 9-4-81

Subscribed and Sworn to before me on this 12 day of June 1981

Notary Public in and for Midland County, Texas Cheryl A. Mince

# RECORD OF INCLINATION (Continued from reverse side)

| 11. Measured Depth<br>(feet) | 12. Course Length<br>(Hundreds of feet) | 13. Angle of<br>Inclination (Degrees) | 14. Displacement per<br>Hundred Feet<br>(Base of Angle X100) | 15. Course<br>Displacement (feet) | 16. Accumulative<br>Displacement (feet) |
|------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 2756                         | 156                                     | 2-3/4                                 | 4.80                                                         | 7.49                              | 73.85                                   |
| 2907                         | 151                                     | 2-3/4                                 | 4.80                                                         | 7.25                              | 81.01                                   |
| 3070                         | 163                                     | 2                                     | 3.49                                                         | 5.69                              | 86.79                                   |
| 3314                         | 244                                     | 1-1/4                                 | 2.18                                                         | 4.88                              | 91.67                                   |
| 3456                         | 142                                     | 2                                     | 3.49                                                         | 4.96                              | 96.63                                   |
| 3584                         | 128                                     | 1-1/4                                 | 2.18                                                         | 3.72                              | 100.35                                  |
| 4115                         | 531                                     | 1-1/4                                 | 2.18                                                         | 7.75                              | 108.10                                  |
| 4600                         | 485                                     | 1                                     | 1.75                                                         | 8.49                              | 116.59                                  |
| 5060                         | 460                                     | 1-1/4                                 | 2.18                                                         | 7.04                              | 123.63                                  |
| 5590                         | 530                                     | 1-1/2                                 | 2.62                                                         | 13.89                             | 137.52                                  |
| 6060                         | 470                                     | 1                                     | 1.75                                                         | 8.23                              | 145.75                                  |
| 6662                         | 602                                     | 1-1/4                                 | 2.18                                                         | 8.46                              | 154.21                                  |
| 7065                         | 403                                     | 1-1/4                                 | 2.18                                                         | 6.47                              | 160.68                                  |
| 7605                         | 540                                     | 3                                     | 5.23                                                         | 28.24                             | 188.29                                  |
| 8390                         | 785                                     | 1/4                                   | .44                                                          | 3.45                              | 192.37                                  |
| 8891                         | 501                                     | 3/4                                   | 1.31                                                         | 6.56                              | 198.93                                  |
| 9401                         | 510                                     | 3/4                                   | 1.31                                                         | 6.68                              | 205.61                                  |
| 10512                        | 1111                                    | 3/4                                   | 1.31                                                         | 14.55                             | 220.16                                  |
| 10780                        | 268                                     | 1-1/4                                 | 2.18                                                         | 5.12                              | 225.28                                  |
| 11591                        | 811                                     | 1-3/4                                 | 3.05                                                         | 24.74                             | 250.02                                  |
| 12181                        | 590                                     | 1-3/4                                 | 3.05                                                         | 18.00                             | 268.02                                  |
| 12900                        | 719                                     | 1-3/4                                 | 3.05                                                         | 21.93                             | 289.95                                  |

REMARKS: ☐ If additional space is needed, attach separate sheet and check here.

## - INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. Inclination surveys are required on re-entry of abandoned wells. Inclination surveys must be made in accordance with the provisions of Statewide Rule

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of original charts, graphs, or discs, relating from the surveys.