

# INCLINATION REPORT

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

NOV 1982

|                                                                |
|----------------------------------------------------------------|
| 5. District<br>2                                               |
| 7. Lease Number<br>(Oil completions only)                      |
| 8. Well Number<br>2                                            |
| 9. Identification Number<br>(Gas completions only)<br>NM 14468 |
| 10. County<br>Eddy, NM                                         |

|                                                                          |                                           |
|--------------------------------------------------------------------------|-------------------------------------------|
| 1. FIELD NAME<br>White City Morrow                                       | 2. LEASE NAME<br>Grynberg 11 Federal Com. |
| 3. OPERATOR<br>HNG OIL COMPANY                                           |                                           |
| 4. ADDRESS<br>P. O. Box 2267, Midland, Texas 79702                       |                                           |
| 5. LOCATION<br>Unit Letter J, 1650' FEL & 1650' FSL, Sec. 11, T25S, R26E |                                           |

## RECORD OF INCLINATION

| Measured Depth<br>(feet) | 12. Course Length<br>(Hundreds of feet) | 13. Angle of<br>Inclination<br>(Degrees) | 14. Displacement per<br>Hundred Feet<br>(Sine of Angle X100) | 15. Course<br>Displacement (feet) | 16. Accumulative<br>Displacement (feet) |
|--------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 138                      | 138                                     | 3/4                                      | 1.31                                                         | 1.81                              | 1.81                                    |
| 231                      | 93                                      | 1/2                                      | .87                                                          | .81                               | 2.62                                    |
| 323                      | 92                                      | 1/4                                      | .44                                                          | .40                               | 3.02                                    |
| 400                      | 77                                      | 1/4                                      | .44                                                          | .34                               | 3.36                                    |
| 456                      | 96                                      | 1/4                                      | .44                                                          | .42                               | 3.78                                    |
| 616                      | 120                                     | 3/4                                      | 1.31                                                         | 1.57                              | 5.35                                    |
| 775                      | 159                                     | 1/2                                      | .87                                                          | 1.38                              | 6.73                                    |
| 912                      | 137                                     | 1/2                                      | .87                                                          | 1.19                              | 7.92                                    |
| 1111                     | 199                                     | 3/4                                      | 1.31                                                         | 2.61                              | 10.53                                   |
| 1235                     | 124                                     | 3/4                                      | 1.31                                                         | 1.62                              | 12.15                                   |
| 1475                     | 240                                     | 1                                        | 1.75                                                         | 4.20                              | 16.35                                   |
| 1698                     | 223                                     | 1-1/4                                    | 2.18                                                         | 4.86                              | 21.21                                   |
| 1791                     | 93                                      | 1-3/4                                    | 3.05                                                         | 2.84                              | 24.05                                   |
| 1875                     | 84                                      | 1-1/4                                    | 2.18                                                         | 1.83                              | 25.88                                   |
| 1975                     | 1000                                    | 1-3/4                                    | 3.05                                                         | 30.50                             | 56.38                                   |
| 2022                     | 47                                      | 1-3/4                                    | 3.05                                                         | 1.43                              | 57.81                                   |

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 11,021 feet = 347.08 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

\_\_\_\_\_  
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

\_\_\_\_\_  
Signature of Authorized Representative

Betty Gildon, Regulatory Analyst

\_\_\_\_\_  
Name of Person and Title (Type or print)

HNG OIL COMPANY

\_\_\_\_\_  
Operator

\_\_\_\_\_  
Telephone: 915 683-4871

\_\_\_\_\_  
Area Code \_\_\_\_\_

CHERYL A. MINOR, Notary Public  
In and for the State of Texas  
My Commission Expires 9-4-85

Subscribed and Sworn Before Me This 29 Day  
of October, 1982.

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

# RECORD OF INCLINATION (Continued from reverse side)

| 11. Measured Depth<br>(feet) | 12. Course Length<br>(Thousands of feet) | 13. Azimuth of<br>Inclination (Degrees) | 14. Displacement<br>Hundred Feet<br>(Rate of Angle X100) | 15. Course<br>Displacement (feet) | 16. Accumulative<br>Displacement (feet) |
|------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 2347                         | 325                                      | 1-3/4                                   | 3.05                                                     | 9.91                              | 67.72                                   |
| 2471                         | 124                                      | 1-3/4                                   | 3.05                                                     | 3.78                              | 71.50                                   |
| 2596                         | 125                                      | 1-1/2                                   | 2.62                                                     | 3.28                              | 74.78                                   |
| 2844                         | 248                                      | 1-1/4                                   | 2.18                                                     | 5.41                              | 80.19                                   |
| 3280                         | 436                                      | 1-1/2                                   | 2.62                                                     | 11.42                             | 91.61                                   |
| 3684                         | 404                                      | 1-1/4                                   | 2.18                                                     | 8.81                              | 100.42                                  |
| 4135                         | 451                                      | 3/4                                     | 1.31                                                     | 5.91                              | 106.33                                  |
| 4643                         | 508                                      | 1-1/4                                   | 2.18                                                     | 11.07                             | 117.40                                  |
| 4926                         | 283                                      | 1-1/2                                   | 2.62                                                     | 7.41                              | 124.81                                  |
| 5173                         | 247                                      | 1-3/4                                   | 3.05                                                     | 7.53                              | 132.34                                  |
| 5450                         | 277                                      | 2-1/4                                   | 3.93                                                     | 10.89                             | 143.23                                  |
| 5608                         | 158                                      | 1-1/4                                   | 2.18                                                     | 3.44                              | 146.67                                  |
| 5730                         | 122                                      | 1-1/4                                   | 2.18                                                     | 2.66                              | 149.33                                  |
| 6014                         | 284                                      | 2-1/4                                   | 3.93                                                     | 11.16                             | 160.49                                  |
| 6137                         | 123                                      | 2-1/4                                   | 3.93                                                     | 4.83                              | 165.32                                  |
| 6291                         | 154                                      | 2                                       | 3.49                                                     | 5.37                              | 170.69                                  |
| 6414                         | 123                                      | 2-1/4                                   | 3.93                                                     | 4.83                              | 175.52                                  |
| 6508                         | 94                                       | 2                                       | 3.49                                                     | 3.28                              | 178.80                                  |
| 6629                         | 121                                      | 1-3/4                                   | 3.05                                                     | 3.69                              | 182.49                                  |
| 6780                         | 151                                      | 1-3/4                                   | 3.05                                                     | 4.61                              | 187.10                                  |
| 6938                         | 158                                      | 2                                       | 3.49                                                     | 5.51                              | 192.61                                  |
| 7087                         | 149                                      | 3                                       | 5.23                                                     | 7.79                              | 200.40                                  |
| 7214                         | 127                                      | 3-1/4                                   | 5.67                                                     | 7.20                              | 207.60                                  |
| 7339                         | 125                                      | 3-1/4                                   | 5.67                                                     | 7.09                              | 214.69                                  |
| 7464                         | 125                                      | 3                                       | 5.23                                                     | 6.54                              | 221.23                                  |
| 7587                         | 123                                      | 3                                       | 5.23                                                     | 6.43                              | 227.66                                  |
| 7775                         | 188                                      | 3                                       | 5.23                                                     | 9.83                              | 237.49                                  |
| 7966                         | 191                                      | 3-1/4                                   | 5.67                                                     | 10.83                             | 248.32                                  |
| 8117                         | 151                                      | 2                                       | 3.49                                                     | 5.27                              | 253.59                                  |
| 8307                         | 190                                      | 1-1/2                                   | 2.62                                                     | 4.98                              | 258.57                                  |
| 8526                         | 219                                      | 1-1/2                                   | 2.62                                                     | 5.74                              | 264.31                                  |
| 8774                         | 248                                      | 1-1/2                                   | 2.62                                                     | 6.50                              | 270.81                                  |
| 9250                         | 476                                      | 2-1/4                                   | 3.93                                                     | 18.71                             | 289.52                                  |
| 9384                         | 134                                      | 1-1/2                                   | 2.62                                                     | 3.51                              | 293.03                                  |
| 9596                         | 212                                      | 1/2                                     | .87                                                      | 1.84                              | 294.87                                  |
| 9846                         | 250                                      | 3/4                                     | 1.31                                                     | 3.28                              | 298.15                                  |
| 10232                        | 386                                      | 2-1/4                                   | 3.93                                                     | 15.17                             | 313.32                                  |
| 11091                        | 859                                      | 2-1/4                                   | 3.93                                                     | 33.76                             | 347.08                                  |

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

MARKS:

## INSTRUCTIONS -

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

A 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)

A Commission may require the submittal of the original charts, graphs, or discs, or copies, or copies from the surveys.