

# INCLINATION REPORT

|                                                                                 |                                    |
|---------------------------------------------------------------------------------|------------------------------------|
| 1. FIELD NAME                                                                   | 2. LEASE NAME<br>Patton 17 Fed. #2 |
| 3. OPERATOR<br>Pogo Producing Company                                           |                                    |
| 4. ADDRESS<br>P.O. Box 10340, Midland, tx. 79702                                |                                    |
| 5. LOCATION (Section, Block, and Survey)<br>Sec. 17, T-24-S, R-31-E, Eddy, N.M. |                                    |

CONFIDENTIAL

RECEIVED

JUN 16 1997

OIL CON. DIV.

## RECORD OF INCLINATION

| *11. 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 x 100) | 15. Course<br>Displacement (feet) | 16. Accumulative<br>Displacement (feet) |
|-------------------------------|-----------------------------------------|-------------------------------------------|---------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 255                           | 2.55                                    | 0.75                                      | 1.31                                                          | 3.34                              | 3.34                                    |
| 431                           | 1.76                                    | 0.75                                      | 1.31                                                          | 2.30                              | 5.64                                    |
| 668                           | 2.37                                    | 1.75                                      | 3.05                                                          | 7.22                              | 12.86                                   |
| 760                           | 3.29                                    | 1.50                                      | 2.62                                                          | 8.61                              | 21.47                                   |
| 916                           | 2.48                                    | 1.00                                      | 1.75                                                          | 4.36                              | 25.83                                   |
| 1162                          | 2.46                                    | 1.00                                      | 1.75                                                          | 4.30                              | 30.13                                   |
| 1408                          | 2.46                                    | 0.75                                      | 1.31                                                          | 3.22                              | 33.35                                   |
| 1657                          | 2.49                                    | 0.25                                      | 0.44                                                          | 1.09                              | 34.44                                   |
| 1908                          | 2.51                                    | 0.25                                      | 0.44                                                          | 1.10                              | 35.54                                   |
| 2158                          | 2.50                                    | 0.25                                      | 0.44                                                          | 1.10                              | 36.64                                   |
| 2411                          | 2.53                                    | 1.00                                      | 1.75                                                          | 4.42                              | 41.06                                   |
| 2659                          | 2.48                                    | 1.25                                      | 2.18                                                          | 5.40                              | 46.46                                   |
| 3158                          | 4.99                                    | 0.25                                      | 0.44                                                          | 2.19                              | 48.65                                   |
| 3346                          | 1.88                                    | 0.75                                      | 1.31                                                          | 2.46                              | 51.11                                   |
| 3502                          | 1.56                                    | 1.50                                      | 2.62                                                          | 4.08                              | 55.19                                   |
| 3658                          | 1.56                                    | 1.25                                      | 2.18                                                          | 3.40                              | 58.59                                   |
| 3815                          | 1.57                                    | 1.50                                      | 2.62                                                          | 4.11                              | 62.70                                   |
| 3971                          | 1.56                                    | 1.50                                      | 2.62                                                          | 4.08                              | 66.78                                   |
| 4484                          | 5.13                                    | 1.00                                      | 1.75                                                          | 8.97                              | 75.75                                   |
| 4978                          | 4.94                                    | 1.00                                      | 1.75                                                          | 8.64                              | 84.39                                   |
| 5474                          | 4.96                                    | 1.00                                      | 1.75                                                          | 8.68                              | 93.07                                   |
| 5966                          | 4.92                                    | 1.00                                      | 1.75                                                          | 8.61                              | 101.68                                  |
| 6465                          | 4.99                                    | 0.75                                      | 1.31                                                          | 6.53                              | 108.21                                  |
| 6931                          | 4.66                                    | 1.25                                      | 2.18                                                          | 10.15                             | 118.36                                  |
| 7493                          | 5.62                                    | 1.75                                      | 3.05                                                          | 17.14                             | 135.50                                  |
| 7743                          | 2.50                                    | 1.75                                      | 3.05                                                          | 7.62                              | 143.12                                  |
| 7992                          | 5.49                                    | 2.75                                      | 4.80                                                          | 26.35                             | 169.47                                  |
| 8177                          | 1.85                                    | 2.25                                      | 3.93                                                          | 7.27                              | 176.74                                  |
| 8302                          | 1.25                                    | 1.75                                      | 3.05                                                          | 3.81                              | 180.55                                  |
| 8459                          | 1.59                                    | 1.50                                      | 2.62                                                          | 2.62                              | 183.17                                  |
| 8709                          | 1.60                                    | 2.00                                      | 3.49                                                          | 3.49                              | 186.66                                  |
| 8959                          | 2.50                                    | 1.25                                      | 2.18                                                          | 2.18                              | 188.84                                  |
| 9207                          | 2.48                                    | 1.75                                      | 3.05                                                          | 3.05                              | 191.89                                  |
| 9700                          | 4.93                                    | 1.50                                      | 2.62                                                          | 2.62                              | 194.51                                  |
|                               |                                         |                                           |                                                               |                                   |                                         |
|                               |                                         |                                           |                                                               |                                   |                                         |

Accumulative total displacement of well bore at total depth of 9700' feet = 194.51 feet.

Inclination measurements were made in :

☐ Tubing

☐ Casing

☐ Open Hole

☒ Drill Pipe

|                                                                                                                                                                                                                                                                            |                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>[Signature]</i><br/>Signature of Authorized Representative<br/><b>L.V. Bohannon, Drilling Superintendent</b><br/>Name of Person and Title (type or print)<br/><b>Lakota Drilling Company</b><br/>Name of Company<br/>Telephone <b>915-570-5580</b><br/>Area Code</p> | <p>_____<br/>Signature of Authorized Representative<br/>_____<br/>Name of Person and Title (type or print)<br/>_____<br/>Name of Company<br/>Telephone _____<br/>Area Code</p> |
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Certified By

*[Signature]*

Date

5/28/97