

# gyrodata

DEVON ENERGY

Well: WINSTON GAS COM NO. 7, 7" CASING

Location: KEY ENERGY #347, EDDY COUNTY, NEW MEXICO

Job Number: MD0500GME173

## A Gyrodata Directional Survey

| MEASURED<br>DEPTH<br>feet | I N C L<br>deg. | A Z I M U T H<br>deg. | B O R E H O L E<br>B E A R I N G<br>deg. min. | D O G L E G<br>S E V E R I T Y<br>deg./<br>100 ft. | V E R T I C A L<br>D E P T H<br>feet | C L O S U R E<br>D I S T. A Z I M U T H<br>feet deg. | H O R I Z O N T A L<br>C O O R D I N A T E S<br>feet |
|---------------------------|-----------------|-----------------------|-----------------------------------------------|----------------------------------------------------|--------------------------------------|------------------------------------------------------|------------------------------------------------------|
| 5000.0                    | 9.82            | 123.97                | S 56 2 E                                      | 2.56                                               | 4939.2                               | 546.7 119.0                                          | 265.31 S 478.03 E                                    |
| 5100.0                    | 8.83            | 131.51                | S 48 29 E                                     | 1.57                                               | 5037.9                               | 562.7 119.3                                          | 275.16 S 490.85 E                                    |
| 5200.0                    | 9.07            | 125.95                | S 54 3 E                                      | 0.90                                               | 5136.7                               | 578.0 119.5                                          | 284.88 S 502.97 E                                    |
| 5300.0                    | 10.03           | 124.00                | S 56 0 E                                      | 1.02                                               | 5235.3                               | 594.6 119.7                                          | 294.37 S 516.58 E                                    |
| 5400.0                    | 10.81           | 122.83                | S 57 10 E                                     | 0.80                                               | 5333.7                               | 612.6 119.8                                          | 304.33 S 531.68 E                                    |
| 5500.0                    | 12.31           | 119.27                | S 60 44 E                                     | 1.66                                               | 5431.6                               | 632.6 119.8                                          | 314.62 S 548.86 E                                    |
| 5600.0                    | 12.21           | 118.28                | S 61 43 E                                     | 0.23                                               | 5529.3                               | 653.9 119.8                                          | 324.85 S 567.47 E                                    |
| 5700.0                    | 12.28           | 118.75                | S 61 15 E                                     | 0.12                                               | 5627.1                               | 675.1 119.7                                          | 334.97 S 586.11 E                                    |
| 5800.0                    | 11.90           | 120.44                | S 59 34 E                                     | 0.52                                               | 5724.9                               | 696.0 119.7                                          | 345.31 S 604.32 E                                    |
| 5900.0                    | 12.45           | 117.01                | S 63 0 E                                      | 0.91                                               | 5822.6                               | 717.1 119.7                                          | 355.43 S 622.81 E                                    |
| 6000.0                    | 12.94           | 115.88                | S 64 7 E                                      | 0.54                                               | 5920.2                               | 739.0 119.6                                          | 365.21 S 642.49 E                                    |
| 6100.0                    | 13.43           | 116.74                | S 63 15 E                                     | 0.53                                               | 6017.5                               | 761.8 119.5                                          | 375.32 S 662.94 E                                    |
| 6200.0                    | 13.09           | 115.55                | S 64 27 E                                     | 0.44                                               | 6114.9                               | 784.7 119.4                                          | 385.43 S 683.52 E                                    |
| 6300.0                    | 12.17           | 117.34                | S 62 39 E                                     | 1.00                                               | 6212.4                               | 806.5 119.3                                          | 395.15 S 703.10 E                                    |
| 6400.0                    | 10.81           | 117.59                | S 62 24 E                                     | 1.36                                               | 6310.4                               | 826.4 119.3                                          | 404.34 S 720.77 E                                    |
| 6500.0                    | 11.67           | 116.25                | S 63 45 E                                     | 0.89                                               | 6408.5                               | 845.9 119.2                                          | 413.16 S 738.15 E                                    |
| 6600.0                    | 11.36           | 115.99                | S 64 1 E                                      | 0.31                                               | 6506.5                               | 865.8 119.2                                          | 421.94 S 756.07 E                                    |
| 6700.0                    | 12.33           | 112.48                | S 67 31 E                                     | 1.21                                               | 6604.4                               | 886.3 119.0                                          | 430.34 S 774.79 E                                    |
| 6800.0                    | 11.43           | 105.15                | S 74 51 E                                     | 1.76                                               | 6702.2                               | 906.5 118.8                                          | 437.02 S 794.23 E                                    |
| 6900.0                    | 9.46            | 109.84                | S 70 9 E                                      | 2.14                                               | 6800.6                               | 924.3 118.6                                          | 442.40 S 811.53 E                                    |
| 7000.0                    | 8.81            | 109.65                | S 70 21 E                                     | 0.66                                               | 6899.3                               | 940.0 118.4                                          | 447.77 S 826.47 E                                    |
| 7100.0                    | 10.34           | 115.00                | S 65 0 E                                      | 1.77                                               | 6997.9                               | 956.5 118.3                                          | 454.14 S 841.82 E                                    |
| 7200.0                    | 9.14            | 113.47                | S 66 32 E                                     | 1.23                                               | 7096.5                               | 973.4 118.3                                          | 461.10 S 857.25 E                                    |
| 7300.0                    | 7.85            | 115.62                | S 64 23 E                                     | 1.33                                               | 7195.4                               | 988.1 118.2                                          | 467.21 S 870.70 E                                    |
| 7400.0                    | 6.68            | 113.69                | S 66 19 E                                     | 1.20                                               | 7294.6                               | 1000.8 118.2                                         | 472.50 S 882.18 E                                    |
| 7500.0                    | 6.58            | 116.21                | S 63 47 E                                     | 0.31                                               | 7393.9                               | 1012.3 118.1                                         | 477.37 S 892.65 E                                    |