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MS Directional Survey Data Certification

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEP 23 2019

RECEIVED

MS Directional Job Number: MSMO-66424  
Survey Type: MWD  
Operating Company: Matador Production Company  
Well Name & Number: Tony LaRussa State COM #202H  
Location: Eddy County, NM  
API Number: 30-015-45965  
Tie In Depth: Surface  
Surveyed Depths: 155' – 13,816' MD  
Projected TD Survey: 13,880' MD  
Dates Performed: 06/07/2019 – 07/05/2019

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Digitally signed by:

MWD Surveyor Name: Marcus Lewis

Date: 08-14-2019

Email: Marcus.Lewis@msdir.com

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# SURVEY CALCULATION PROGRAM

8/14/19 15:45

V09.04.02

|                            |               |                              |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
|----------------------------|---------------|------------------------------|----------------|-------------|-------------------|-------------|-----------------------|---------------------|----------|--------|--------------------------|--------------|---------|--|
| Company:                   |               | Matador Production Company   |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
| Well Name:                 |               | Tony LaRussa State COM #202H |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
| Location:                  |               | Eddy County, NM              |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
| Rig:                       |               | Patterson #282               |                |             |                   |             | Magnetic Declination: |                     | 7.14     |        | REFERENCED TO GRID NORTH |              |         |  |
| Job Number:                |               | MSMO-66424                   |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
| API #:                     |               | 30-015-45965                 |                |             |                   |             |                       |                     |          |        |                          |              |         |  |
| Vertical Section Azimuth:  |               |                              |                |             | 180.94            |             |                       | Proposed Direction: |          | 180.94 |                          |              |         |  |
| Survey Calculation Method: |               |                              |                |             | Minimum Curvature |             |                       |                     |          |        |                          |              |         |  |
| PTB:                       | MD            |                              | INC            |             | AZM               |             | TVD                   |                     | N/S      |        | E/W                      |              | VS      |  |
|                            | 13,880        |                              | 90.2           |             | 177.6             |             | 9137.02               |                     | -4806.13 |        | 920.83                   |              | 4790.37 |  |
| #                          | Depth<br>Feet | Inc<br>Degrees               | Azm<br>Degrees | TVD<br>Feet | N/S<br>Feet       | E/W<br>Feet | Surface<br>Vert Sec   | Closure<br>Distance |          | Azm    | DLS/<br>100              | BUR/<br>100' |         |  |
| TIE IN                     | 0             | 0.00                         | 0.00           | 0.00        | 0.00              | 0.00        |                       |                     |          | 0.00   |                          |              |         |  |
| 1                          | 155           | 0.30                         | 176.80         | 155.00      | -0.41             | 0.02        | 0.40                  | 0.41                | 176.80   |        | 0.19                     | 0.19         |         |  |
| 2                          | 325           | 0.10                         | 45.50          | 325.00      | -0.75             | 0.15        | 0.74                  | 0.76                | 168.38   |        | 0.22                     | -0.12        |         |  |
| 3                          | 500           | 1.40                         | 318.60         | 499.98      | 0.97              | -1.15       | -0.95                 | 1.50                | 309.97   |        | 0.80                     | 0.74         |         |  |
| 4                          | 685           | 1.60                         | 7.80           | 684.92      | 5.22              | -2.30       | -5.18                 | 5.70                | 336.26   |        | 0.68                     | 0.11         |         |  |
| 5                          | 869           | 3.40                         | 49.30          | 868.75      | 11.32             | 2.19        | -11.36                | 11.53               | 10.95    |        | 1.33                     | 0.98         |         |  |
| 6                          | 1,054         | 4.70                         | 84.00          | 1053.32     | 15.69             | 13.89       | -15.92                | 20.96               | 41.51    |        | 1.47                     | 0.70         |         |  |
| 7                          | 1,243         | 5.30                         | 78.80          | 1241.60     | 18.20             | 30.15       | -18.69                | 35.22               | 58.89    |        | 0.40                     | 0.32         |         |  |
| 8                          | 1,433         | 6.80                         | 74.50          | 1430.53     | 22.91             | 49.60       | -23.72                | 54.64               | 65.21    |        | 0.82                     | 0.79         |         |  |
| 9                          | 1,622         | 7.60                         | 78.90          | 1618.04     | 28.31             | 72.65       | -29.49                | 77.97               | 68.71    |        | 0.51                     | 0.42         |         |  |
| 10                         | 1,810         | 7.80                         | 80.50          | 1804.35     | 32.80             | 97.43       | -34.40                | 102.81              | 71.39    |        | 0.16                     | 0.11         |         |  |
| 11                         | 1,998         | 8.30                         | 83.80          | 1990.50     | 36.38             | 123.50      | -38.40                | 128.75              | 73.59    |        | 0.36                     | 0.27         |         |  |
| 12                         | 2,188         | 6.80                         | 83.10          | 2178.84     | 39.21             | 148.31      | -41.64                | 153.40              | 75.19    |        | 0.79                     | -0.79        |         |  |
| 13                         | 2,325         | 6.30                         | 83.90          | 2314.95     | 40.98             | 163.83      | -43.66                | 168.88              | 75.96    |        | 0.37                     | -0.36        |         |  |
| 14                         | 2,473         | 6.10                         | 84.10          | 2462.08     | 42.65             | 179.73      | -45.60                | 184.72              | 76.65    |        | 0.14                     | -0.14        |         |  |
| 15                         | 2,662         | 8.90                         | 77.10          | 2649.45     | 46.95             | 203.97      | -50.29                | 209.31              | 77.04    |        | 1.56                     | 1.48         |         |  |
| 16                         | 2,851         | 8.50                         | 74.90          | 2836.28     | 53.85             | 231.71      | -57.65                | 237.89              | 76.92    |        | 0.28                     | -0.21        |         |  |
| 17                         | 3,040         | 7.80                         | 72.40          | 3023.37     | 61.37             | 257.42      | -65.58                | 264.64              | 76.59    |        | 0.42                     | -0.37        |         |  |
| 18                         | 3,228         | 7.50                         | 71.20          | 3209.69     | 69.18             | 281.20      | -73.78                | 289.58              | 76.18    |        | 0.18                     | -0.16        |         |  |
| 19                         | 3,417         | 7.60                         | 78.70          | 3397.06     | 75.61             | 305.13      | -80.60                | 314.36              | 76.08    |        | 0.52                     | 0.05         |         |  |
| 20                         | 3,605         | 7.00                         | 78.40          | 3583.54     | 80.34             | 328.54      | -85.72                | 338.22              | 76.26    |        | 0.32                     | -0.32        |         |  |
| 21                         | 3,794         | 8.50                         | 74.90          | 3770.81     | 86.30             | 353.31      | -92.08                | 363.70              | 76.27    |        | 0.83                     | 0.79         |         |  |
| 22                         | 3,983         | 8.20                         | 74.40          | 3957.80     | 93.56             | 379.78      | -99.78                | 391.13              | 76.16    |        | 0.16                     | -0.16        |         |  |
| 23                         | 4,173         | 7.50                         | 73.20          | 4146.02     | 100.79            | 404.70      | -107.42               | 417.06              | 76.01    |        | 0.38                     | -0.37        |         |  |
| 24                         | 4,361         | 7.70                         | 81.80          | 4332.37     | 106.13            | 428.91      | -113.16               | 441.85              | 76.10    |        | 0.61                     | 0.11         |         |  |
| 25                         | 4,550         | 7.10                         | 79.80          | 4519.80     | 110.01            | 452.94      | -117.42               | 466.11              | 76.35    |        | 0.35                     | -0.32        |         |  |
| 26                         | 4,739         | 8.30                         | 79.50          | 4707.09     | 114.56            | 477.85      | -122.39               | 491.39              | 76.52    |        | 0.64                     | 0.63         |         |  |
| 27                         | 4,927         | 8.40                         | 76.70          | 4893.10     | 120.19            | 504.56      | -128.46               | 518.68              | 76.60    |        | 0.22                     | 0.05         |         |  |
| 28                         | 5,114         | 7.20                         | 77.80          | 5078.37     | 125.81            | 529.30      | -134.48               | 544.05              | 76.63    |        | 0.65                     | -0.64        |         |  |
| 29                         | 5,303         | 7.90                         | 90.00          | 5265.74     | 128.32            | 553.87      | -137.39               | 568.54              | 76.96    |        | 0.92                     | 0.37         |         |  |
| 30                         | 5,492         | 8.30                         | 82.10          | 5452.86     | 130.19            | 580.37      | -139.70               | 594.80              | 77.36    |        | 0.63                     | 0.21         |         |  |
| 31                         | 5,682         | 9.00                         | 81.80          | 5640.70     | 134.20            | 608.67      | -144.16               | 623.28              | 77.57    |        | 0.37                     | 0.37         |         |  |
| 32                         | 5,869         | 8.20                         | 82.90          | 5825.59     | 137.93            | 636.38      | -148.35               | 651.15              | 77.77    |        | 0.44                     | -0.43        |         |  |
| 33                         | 6,058         | 5.00                         | 78.80          | 6013.32     | 141.20            | 657.84      | -151.97               | 672.82              | 77.89    |        | 1.71                     | -1.69        |         |  |

|                            |               |                              |                |             |             |                       |                     |                     |        |                            |              |
|----------------------------|---------------|------------------------------|----------------|-------------|-------------|-----------------------|---------------------|---------------------|--------|----------------------------|--------------|
| Company:                   |               | Matador Production Company   |                |             |             |                       |                     |                     |        |                            |              |
| Well Name:                 |               | Tony LaRussa State COM #202H |                |             |             |                       |                     |                     |        |                            |              |
| Location:                  |               | Eddy County, NM              |                |             |             |                       |                     |                     |        |                            |              |
| Rig:                       |               | Patterson #282               |                |             |             | Magnetic Declination: |                     | 7.14                |        | REFERENCED TO GRID NORTH ▼ |              |
| Job Number:                |               | MSMO-66424                   |                |             |             |                       |                     |                     |        |                            |              |
| API #:                     |               | 30-015-45965                 |                |             |             |                       |                     |                     |        |                            |              |
| Vertical Section Azimuth:  |               | 180.94                       |                |             |             | Proposed Direction:   |                     | 180.94              |        |                            |              |
| Survey Calculation Method: |               | Minimum Curvature            |                |             |             |                       |                     |                     |        |                            |              |
| PTB:                       | MD            | INC                          | AZM            | TVD         | N/S         | E/W                   | VS                  |                     |        |                            |              |
|                            | 13,880        | 90.2                         | 177.6          | 9137.02     | -4806.13    | 920.83                | 4790.37             |                     |        |                            |              |
| #                          | Depth<br>Feet | Inc<br>Degrees               | Azm<br>Degrees | TVD<br>Feet | N/S<br>Feet | E/W<br>Feet           | Surface<br>Vert Sec | Closure<br>Distance | Azm    | DLS/<br>100                | BUR/<br>100' |
| 34                         | 6,246         | 6.00                         | 79.80          | 6200.45     | 144.53      | 675.54                | -155.59             | 690.83              | 77.92  | 0.53                       | 0.53         |
| 35                         | 6,435         | 8.60                         | 74.90          | 6387.90     | 149.96      | 698.91                | -161.41             | 714.82              | 77.89  | 1.41                       | 1.38         |
| 36                         | 6,622         | 7.70                         | 70.00          | 6573.01     | 157.89      | 724.19                | -169.75             | 741.20              | 77.70  | 0.61                       | -0.48        |
| 37                         | 6,716         | 8.30                         | 84.70          | 6666.11     | 160.67      | 736.86                | -172.73             | 754.17              | 77.70  | 2.26                       | 0.64         |
| 38                         | 6,903         | 7.40                         | 92.70          | 6851.36     | 161.35      | 762.33                | -173.83             | 779.22              | 78.05  | 0.76                       | -0.48        |
| 39                         | 7,091         | 8.80                         | 87.90          | 7037.48     | 161.30      | 788.80                | -174.22             | 805.12              | 78.44  | 0.83                       | 0.74         |
| 40                         | 7,279         | 7.10                         | 87.20          | 7223.67     | 162.40      | 814.77                | -175.74             | 830.80              | 78.73  | 0.91                       | -0.90        |
| 41                         | 7,468         | 8.10                         | 80.30          | 7411.01     | 165.21      | 839.57                | -178.96             | 855.67              | 78.87  | 0.72                       | 0.53         |
| 42                         | 7,656         | 8.70                         | 78.90          | 7596.99     | 170.18      | 866.57                | -184.38             | 883.13              | 78.89  | 0.34                       | 0.32         |
| 43                         | 7,844         | 7.60                         | 79.70          | 7783.09     | 175.14      | 892.76                | -189.76             | 909.78              | 78.90  | 0.59                       | -0.59        |
| 44                         | 8,032         | 5.70                         | 82.60          | 7969.82     | 178.57      | 914.25                | -193.54             | 931.53              | 78.95  | 1.03                       | -1.01        |
| 45                         | 8,220         | 4.30                         | 105.90         | 8157.12     | 177.84      | 930.29                | -193.08             | 947.14              | 79.18  | 1.30                       | -0.74        |
| 46                         | 8,408         | 0.90                         | 94.50          | 8344.90     | 175.79      | 938.54                | -191.17             | 954.87              | 79.39  | 1.82                       | -1.81        |
| 47                         | 8,496         | 0.70                         | 74.40          | 8432.89     | 175.88      | 939.75                | -191.28             | 956.07              | 79.40  | 0.39                       | -0.23        |
| 48                         | 8,603         | 6.20                         | 170.20         | 8539.68     | 170.36      | 941.37                | -185.78             | 956.66              | 79.74  | 5.90                       | 5.14         |
| 49                         | 8,650         | 14.80                        | 171.10         | 8585.85     | 161.91      | 942.73                | -177.36             | 956.53              | 80.25  | 18.30                      | 18.30        |
| 50                         | 8,697         | 21.50                        | 175.10         | 8630.49     | 147.38      | 944.39                | -162.86             | 955.83              | 81.13  | 14.49                      | 14.26        |
| 51                         | 8,791         | 28.70                        | 178.80         | 8715.56     | 107.60      | 946.34                | -123.11             | 952.44              | 83.51  | 7.84                       | 7.66         |
| 52                         | 8,886         | 34.90                        | 176.10         | 8796.26     | 57.63       | 948.67                | -73.18              | 950.42              | 86.52  | 6.69                       | 6.53         |
| 53                         | 8,980         | 39.60                        | 171.90         | 8871.08     | 1.10        | 954.72                | -16.76              | 954.73              | 89.93  | 5.68                       | 5.00         |
| 54                         | 9,074         | 44.00                        | 174.20         | 8941.14     | -61.08      | 962.25                | 45.28               | 964.19              | 93.63  | 4.96                       | 4.68         |
| 55                         | 9,121         | 50.30                        | 177.60         | 8973.09     | -95.42      | 964.66                | 79.58               | 969.37              | 95.65  | 14.41                      | 13.40        |
| 56                         | 9,168         | 56.30                        | 179.50         | 9001.17     | -133.07     | 965.59                | 117.22              | 974.71              | 97.85  | 13.17                      | 12.77        |
| 57                         | 9,263         | 60.10                        | 181.10         | 9051.22     | -213.79     | 965.14                | 197.93              | 988.54              | 102.49 | 4.25                       | 4.00         |
| 58                         | 9,358         | 66.00                        | 182.30         | 9094.26     | -298.40     | 962.61                | 282.57              | 1007.80             | 107.22 | 6.31                       | 6.21         |
| 59                         | 9,398         | 70.50                        | 184.70         | 9109.08     | -335.47     | 960.33                | 319.67              | 1017.24             | 109.26 | 12.55                      | 11.25        |
| 60                         | 9,504         | 79.30                        | 184.10         | 9136.67     | -437.41     | 952.50                | 421.72              | 1048.13             | 114.67 | 8.32                       | 8.30         |
| 61                         | 9,598         | 80.40                        | 183.40         | 9153.23     | -529.74     | 946.44                | 514.14              | 1084.61             | 119.24 | 1.38                       | 1.17         |
| 62                         | 9,692         | 84.00                        | 181.80         | 9165.99     | -622.75     | 942.23                | 607.21              | 1129.43             | 123.46 | 4.18                       | 3.83         |
| 63                         | 9,786         | 88.60                        | 179.10         | 9172.06     | -716.52     | 941.50                | 700.98              | 1183.14             | 127.27 | 5.67                       | 4.89         |
| 64                         | 9,880         | 92.80                        | 178.40         | 9170.91     | -810.47     | 943.55                | 794.88              | 1243.84             | 130.66 | 4.53                       | 4.47         |
| 65                         | 9,974         | 88.80                        | 177.20         | 9169.60     | -904.37     | 947.15                | 888.71              | 1309.57             | 133.68 | 4.44                       | -4.26        |
| 66                         | 10,069        | 88.70                        | 178.50         | 9171.67     | -999.28     | 950.72                | 983.55              | 1379.28             | 136.43 | 1.37                       | -0.11        |
| 67                         | 10,163        | 91.40                        | 178.40         | 9171.59     | -1093.24    | 953.26                | 1077.45             | 1450.47             | 138.91 | 2.87                       | 2.87         |

| Company:                   |               | Matador Production Company   |                |                   |             |                     |                       |                     |        |             |                          |  |
|----------------------------|---------------|------------------------------|----------------|-------------------|-------------|---------------------|-----------------------|---------------------|--------|-------------|--------------------------|--|
| Well Name:                 |               | Tony LaRussa State COM #202H |                |                   |             |                     |                       |                     |        |             |                          |  |
| Location:                  |               | Eddy County, NM              |                |                   |             |                     |                       |                     |        |             |                          |  |
| Rig:                       |               | Patterson #282               |                |                   |             |                     | Magnetic Declination: |                     | 7.14   |             | REFERENCED TO GRID NORTH |  |
| Job Number:                |               | MSMO-66424                   |                |                   |             |                     |                       |                     |        |             |                          |  |
| API #:                     |               | 30-015-45965                 |                |                   |             |                     |                       |                     |        |             |                          |  |
| Vertical Section Azimuth:  |               |                              |                | 180.94            |             | Proposed Direction: |                       | 180.94              |        |             |                          |  |
| Survey Calculation Method: |               |                              |                | Minimum Curvature |             |                     |                       |                     |        |             |                          |  |
| PTB:                       | MD            | INC                          | AZM            | TVD               | N/S         | E/W                 | VS                    |                     |        |             |                          |  |
|                            | 13,880        | 90.2                         | 177.6          | 9137.02           | -4806.13    | 920.83              | 4790.37               |                     |        |             |                          |  |
| #                          | Depth<br>Feet | Inc<br>Degrees               | Azm<br>Degrees | TVD<br>Feet       | N/S<br>Feet | E/W<br>Feet         | Surface<br>Vert Sec   | Closure<br>Distance | Azm    | DLS/<br>100 | BUR/<br>100'             |  |
| 68                         | 10,258        | 93.40                        | 178.70         | 9167.61           | -1188.12    | 955.66              | 1172.28               | 1524.77             | 141.19 | 2.13        | 2.11                     |  |
| 69                         | 10,352        | 93.70                        | 179.60         | 9161.79           | -1281.93    | 957.05              | 1266.05               | 1599.78             | 143.26 | 1.01        | 0.32                     |  |
| 70                         | 10,446        | 94.20                        | 180.90         | 9155.31           | -1375.70    | 956.64              | 1359.82               | 1675.62             | 145.19 | 1.48        | 0.53                     |  |
| 71                         | 10,540        | 94.10                        | 180.80         | 9148.51           | -1469.44    | 955.25              | 1453.57               | 1752.65             | 146.97 | 0.15        | -0.11                    |  |
| 72                         | 10,635        | 93.20                        | 181.50         | 9142.46           | -1564.23    | 953.35              | 1548.38               | 1831.85             | 148.64 | 1.20        | -0.95                    |  |
| 73                         | 10,729        | 89.40                        | 181.40         | 9140.33           | -1658.16    | 950.97              | 1642.33               | 1911.50             | 150.17 | 4.04        | -4.04                    |  |
| 74                         | 10,824        | 86.70                        | 181.60         | 9143.56           | -1753.06    | 948.49              | 1737.26               | 1993.20             | 151.58 | 2.85        | -2.84                    |  |
| 75                         | 10,918        | 87.60                        | 182.10         | 9148.24           | -1846.89    | 945.46              | 1831.13               | 2074.83             | 152.89 | 1.09        | 0.96                     |  |
| 76                         | 11,012        | 87.90                        | 181.40         | 9151.93           | -1940.78    | 942.59              | 1925.05               | 2157.57             | 154.10 | 0.81        | 0.32                     |  |
| 77                         | 11,107        | 89.00                        | 182.10         | 9154.50           | -2035.70    | 939.69              | 2020.01               | 2242.11             | 155.22 | 1.37        | 1.16                     |  |
| 78                         | 11,201        | 92.20                        | 183.00         | 9153.51           | -2129.58    | 935.51              | 2113.95               | 2326.01             | 156.28 | 3.54        | 3.40                     |  |
| 79                         | 11,295        | 94.00                        | 183.40         | 9148.43           | -2223.30    | 930.27              | 2207.74               | 2410.07             | 157.29 | 1.96        | 1.91                     |  |
| 80                         | 11,390        | 91.00                        | 183.50         | 9144.28           | -2318.02    | 924.56              | 2302.54               | 2495.60             | 158.26 | 3.16        | -3.16                    |  |
| 81                         | 11,484        | 91.80                        | 181.90         | 9141.99           | -2411.89    | 920.13              | 2396.47               | 2581.44             | 159.12 | 1.90        | 0.85                     |  |
| 82                         | 11,579        | 89.60                        | 181.50         | 9140.83           | -2506.83    | 917.31              | 2491.45               | 2669.40             | 159.90 | 2.35        | -2.32                    |  |
| 83                         | 11,673        | 93.80                        | 182.30         | 9138.04           | -2600.72    | 914.20              | 2585.37               | 2756.72             | 160.63 | 4.55        | 4.47                     |  |
| 84                         | 11,767        | 92.40                        | 181.50         | 9132.96           | -2694.53    | 911.09              | 2679.22               | 2844.39             | 161.32 | 1.71        | -1.49                    |  |
| 85                         | 11,861        | 91.00                        | 180.20         | 9130.17           | -2788.47    | 909.69              | 2773.17               | 2933.10             | 161.93 | 2.03        | -1.49                    |  |
| 86                         | 11,956        | 85.80                        | 179.90         | 9132.82           | -2883.40    | 909.61              | 2868.09               | 3023.47             | 162.49 | 5.48        | -5.47                    |  |
| 87                         | 12,050        | 86.80                        | 180.10         | 9138.88           | -2977.20    | 909.61              | 2961.88               | 3113.06             | 163.01 | 1.08        | 1.06                     |  |
| 88                         | 12,145        | 86.50                        | 179.60         | 9144.44           | -3072.04    | 909.86              | 3056.70               | 3203.95             | 163.50 | 0.61        | -0.32                    |  |
| 89                         | 12,239        | 86.90                        | 179.20         | 9149.85           | -3165.88    | 910.84              | 3150.51               | 3294.30             | 163.95 | 0.60        | 0.43                     |  |
| 90                         | 12,333        | 87.50                        | 178.20         | 9154.44           | -3259.74    | 912.97              | 3244.32               | 3385.18             | 164.35 | 1.24        | 0.64                     |  |
| 91                         | 12,427        | 90.60                        | 179.70         | 9156.00           | -3353.70    | 914.69              | 3338.24               | 3476.20             | 164.74 | 3.66        | 3.30                     |  |
| 92                         | 12,521        | 89.60                        | 179.80         | 9155.83           | -3447.69    | 915.10              | 3432.22               | 3567.07             | 165.14 | 1.07        | -1.06                    |  |
| 93                         | 12,616        | 92.00                        | 181.20         | 9154.51           | -3542.67    | 914.27              | 3527.20               | 3658.75             | 165.53 | 2.92        | 2.53                     |  |
| 94                         | 12,710        | 92.00                        | 180.60         | 9151.23           | -3636.60    | 912.80              | 3621.14               | 3749.41             | 165.91 | 0.64        | 0.00                     |  |
| 95                         | 12,805        | 89.50                        | 179.80         | 9149.98           | -3731.59    | 912.47              | 3716.11               | 3841.53             | 166.26 | 2.76        | -2.63                    |  |
| 96                         | 12,899        | 92.30                        | 180.60         | 9148.51           | -3825.56    | 912.14              | 3810.09               | 3932.80             | 166.59 | 3.10        | 2.98                     |  |
| 97                         | 12,993        | 92.00                        | 180.00         | 9144.98           | -3919.50    | 911.65              | 3904.01               | 4024.12             | 166.91 | 0.71        | -0.32                    |  |
| 98                         | 13,087        | 88.00                        | 179.20         | 9144.98           | -4013.47    | 912.30              | 3997.97               | 4115.86             | 167.19 | 4.34        | -4.26                    |  |
| 99                         | 13,181        | 89.10                        | 180.50         | 9147.36           | -4107.44    | 912.55              | 4091.92               | 4207.59             | 167.47 | 1.81        | 1.17                     |  |
| 100                        | 13,276        | 90.50                        | 180.40         | 9147.69           | -4202.43    | 911.80              | 4186.91               | 4300.21             | 167.76 | 1.48        | 1.47                     |  |
| 101                        | 13,370        | 90.30                        | 180.00         | 9147.03           | -4296.43    | 911.48              | 4280.90               | 4392.05             | 168.02 | 0.48        | -0.21                    |  |

|                            |               |                              |                |                   |             |                       |                     |                         |         |                          |              |
|----------------------------|---------------|------------------------------|----------------|-------------------|-------------|-----------------------|---------------------|-------------------------|---------|--------------------------|--------------|
| Company:                   |               | Matador Production Company   |                |                   |             |                       |                     |                         |         |                          |              |
| Well Name:                 |               | Tony LaRussa State COM #202H |                |                   |             |                       |                     |                         |         |                          |              |
| Location:                  |               | Eddy County, NM              |                |                   |             |                       |                     |                         |         |                          |              |
| Rig:                       |               | Patterson #282               |                |                   |             | Magnetic Declination: |                     | 7.14                    |         | REFERENCED TO GRID NORTH |              |
| Job Number:                |               | MSMO-66424                   |                |                   |             |                       |                     |                         |         |                          |              |
| API #:                     |               | 30-015-45965                 |                |                   |             |                       |                     |                         |         |                          |              |
| Vertical Section Azimuth:  |               |                              |                | 180.94            |             | Proposed Direction:   |                     | 180.94                  |         |                          |              |
| Survey Calculation Method: |               |                              |                | Minimum Curvature |             |                       |                     |                         |         |                          |              |
| PTB:                       | MD            |                              | INC            |                   | AZM         | TVD                   | N/S                 | E/W                     | VS      |                          |              |
|                            | 13,880        |                              | 90.2           |                   | 177.6       | 9137.02               | -4806.13            | 920.83                  | 4790.37 |                          |              |
| #                          | Depth<br>Feet | Inc<br>Degrees               | Azm<br>Degrees | TVD<br>Feet       | N/S<br>Feet | E/W<br>Feet           | Surface<br>Vert Sec | Closure<br>Distance Azm |         | DLS/<br>100              | BUR/<br>100' |
| 102                        | 13,464        | 93.10                        | 180.60         | 9144.25           | -4390.38    | 910.98                | 4374.84             | 4483.90                 | 168.28  | 3.05                     | 2.98         |
| 103                        | 13,559        | 90.80                        | 179.20         | 9141.01           | -4485.31    | 911.15                | 4469.76             | 4576.92                 | 168.52  | 2.83                     | -2.42        |
| 104                        | 13,653        | 90.70                        | 178.40         | 9139.78           | -4579.29    | 913.12                | 4563.69             | 4669.44                 | 168.72  | 0.86                     | -0.11        |
| 105                        | 13,747        | 91.30                        | 178.40         | 9138.14           | -4673.23    | 915.74                | 4657.58             | 4762.11                 | 168.91  | 0.64                     | 0.64         |
| 106                        | 13,816        | 90.20                        | 177.60         | 9137.24           | -4742.18    | 918.15                | 4726.48             | 4830.25                 | 169.04  | 1.97                     | -1.59        |
| PTB:                       | 13,880        | 90.20                        | 177.60         | 9137.02           | -4806.13    | 920.83                | 4790.37             | 4893.55                 | 169.15  | 0.00                     | 0.00         |