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MS Directional Survey Data Certification

MS Directional Job Number: DDMO-180374  
Survey Type: MWD  
Operating Company: Matador Production Company  
Well Name & Number: Joe Coleman 14-23S-27E RB 203H  
Location: Eddy County, NM  
API Number: 30-015-44625  
Tie In Depth: Surface  
Surveyed Depths: 172' – 14,152' MD  
Projected TD Survey: 14,222' MD  
Dates Performed: 04/11/2018 – 05/17/2018

RECEIVED

JUL 20 2018

DISTRICT II-ARTESIA O.C.D.

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: Christopher Morasch  
MWD Surveyor Name: Chris Morasch  
Date: 06-07-2018  
Email: cmorasch@msdir.com

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|                            |               |                                |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
|----------------------------|---------------|--------------------------------|----------------|-------------|-------------------|-------------|-----------------------|---------------------|-------|--------|--------------------------|--------------|---------|--|
| Company:                   |               | Matador Production Company     |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
| Well Name:                 |               | Joe Coleman 13-23S-27E RB 203H |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
| Location:                  |               | Eddy County, NM                |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
| Rig:                       |               | Patterson #297                 |                |             |                   |             | Magnetic Declination: |                     | 7.10  |        | REFERENCED TO GRID NORTH |              |         |  |
| Job Number:                |               | DDMO-180374                    |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
| API #:                     |               | 30-015-44625                   |                |             |                   |             |                       |                     |       |        |                          |              |         |  |
| Vertical Section Azimuth:  |               |                                |                |             | 89.91             |             |                       | Proposed Direction: |       | 89.91  |                          |              |         |  |
| Survey Calculation Method: |               |                                |                |             | Minimum Curvature |             |                       |                     |       |        |                          |              |         |  |
| PTB:                       | MD            |                                | INC            |             | AZM               |             | TVD                   |                     | N/S   |        | E/W                      |              | VS      |  |
|                            | 14,222        |                                | 87.3           |             | 85.9              |             | 9388.54               |                     | 10.15 |        | 5309.02                  |              | 5309.03 |  |
| #                          | 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                          | 172           | 0.20                           | 303.10         | 172.00      | 0.16              | -0.25       | -0.25                 | 0.30                |       | 303.10 | 0.12                     | 0.12         |         |  |
| 2                          | 361           | 0.10                           | 302.40         | 361.00      | 0.43              | -0.67       | -0.67                 | 0.79                |       | 302.95 | 0.05                     | -0.05        |         |  |
| 3                          | 508           | 0.10                           | 341.40         | 508.00      | 0.62              | -0.82       | -0.82                 | 1.03                |       | 307.34 | 0.05                     | 0.00         |         |  |
| 4                          | 690           | 0.20                           | 16.60          | 690.00      | 1.08              | -0.78       | -0.77                 | 1.33                |       | 324.24 | 0.07                     | 0.05         |         |  |
| 5                          | 872           | 0.20                           | 56.40          | 872.00      | 1.56              | -0.42       | -0.42                 | 1.61                |       | 344.88 | 0.07                     | 0.00         |         |  |
| 6                          | 1,060         | 0.90                           | 109.70         | 1059.99     | 1.24              | 1.24        | 1.24                  | 1.76                |       | 45.02  | 0.42                     | 0.37         |         |  |
| 7                          | 1,247         | 1.30                           | 113.20         | 1246.95     | -0.09             | 4.57        | 4.57                  | 4.58                |       | 91.11  | 0.22                     | 0.21         |         |  |
| 8                          | 1,434         | 3.40                           | 109.00         | 1433.79     | -2.73             | 11.77       | 11.76                 | 12.08               |       | 103.06 | 1.13                     | 1.12         |         |  |
| 9                          | 1,622         | 2.40                           | 114.40         | 1621.54     | -6.17             | 20.62       | 20.61                 | 21.53               |       | 106.66 | 0.55                     | -0.53        |         |  |
| 10                         | 1,809         | 2.60                           | 101.70         | 1808.37     | -8.65             | 28.34       | 28.33                 | 29.63               |       | 106.97 | 0.31                     | 0.11         |         |  |
| 11                         | 1,996         | 2.40                           | 105.50         | 1995.19     | -10.56            | 36.27       | 36.25                 | 37.77               |       | 106.23 | 0.14                     | -0.11        |         |  |
| 12                         | 2,183         | 1.10                           | 119.60         | 2182.10     | -12.49            | 41.60       | 41.58                 | 43.44               |       | 106.71 | 0.73                     | -0.70        |         |  |
| 13                         | 2,370         | 1.10                           | 117.60         | 2369.06     | -14.21            | 44.76       | 44.73                 | 46.96               |       | 107.61 | 0.02                     | 0.00         |         |  |
| 14                         | 2,561         | 1.00                           | 115.00         | 2560.03     | -15.76            | 47.89       | 47.87                 | 50.42               |       | 108.22 | 0.06                     | -0.05        |         |  |
| 15                         | 2,748         | 2.60                           | 113.30         | 2746.93     | -18.13            | 53.27       | 53.24                 | 56.27               |       | 108.80 | 0.86                     | 0.86         |         |  |
| 16                         | 2,936         | 2.50                           | 114.60         | 2934.75     | -21.52            | 60.91       | 60.88                 | 64.60               |       | 109.46 | 0.06                     | -0.05        |         |  |
| 17                         | 3,123         | 2.20                           | 111.20         | 3121.59     | -24.52            | 67.96       | 67.93                 | 72.25               |       | 109.84 | 0.18                     | -0.16        |         |  |
| 18                         | 3,310         | 1.90                           | 111.20         | 3308.47     | -26.94            | 74.20       | 74.16                 | 78.94               |       | 109.95 | 0.16                     | -0.16        |         |  |
| 19                         | 3,497         | 1.70                           | 106.10         | 3495.38     | -28.83            | 79.76       | 79.71                 | 84.81               |       | 109.87 | 0.14                     | -0.11        |         |  |
| 20                         | 3,684         | 1.30                           | 113.30         | 3682.31     | -30.43            | 84.37       | 84.32                 | 89.69               |       | 109.84 | 0.24                     | -0.21        |         |  |
| 21                         | 3,871         | 1.30                           | 115.00         | 3869.26     | -32.17            | 88.24       | 88.19                 | 93.92               |       | 110.03 | 0.02                     | 0.00         |         |  |
| 22                         | 4,059         | 1.40                           | 126.10         | 4057.21     | -34.42            | 92.03       | 91.97                 | 98.26               |       | 110.51 | 0.15                     | 0.05         |         |  |
| 23                         | 4,246         | 1.30                           | 150.90         | 4244.16     | -37.62            | 94.91       | 94.85                 | 102.09              |       | 111.63 | 0.31                     | -0.05        |         |  |
| 24                         | 4,433         | 0.90                           | 176.70         | 4431.13     | -40.94            | 96.02       | 95.96                 | 104.39              |       | 113.09 | 0.34                     | -0.21        |         |  |
| 25                         | 4,620         | 0.90                           | 199.90         | 4618.11     | -43.79            | 95.61       | 95.54                 | 105.16              |       | 114.61 | 0.19                     | 0.00         |         |  |
| 26                         | 4,807         | 1.00                           | 230.40         | 4805.08     | -46.21            | 93.85       | 93.78                 | 104.61              |       | 116.22 | 0.27                     | 0.05         |         |  |
| 27                         | 4,994         | 1.40                           | 235.50         | 4992.04     | -48.55            | 90.71       | 90.63                 | 102.88              |       | 118.15 | 0.22                     | 0.21         |         |  |
| 28                         | 5,181         | 1.60                           | 244.10         | 5178.98     | -50.98            | 86.48       | 86.40                 | 100.39              |       | 120.52 | 0.16                     | 0.11         |         |  |
| 29                         | 5,369         | 0.60                           | 335.70         | 5366.95     | -51.23            | 83.71       | 83.63                 | 98.14               |       | 121.47 | 0.92                     | -0.53        |         |  |
| 30                         | 5,556         | 1.00                           | 287.10         | 5553.93     | -49.86            | 81.75       | 81.67                 | 95.75               |       | 121.38 | 0.40                     | 0.21         |         |  |
| 31                         | 5,743         | 1.10                           | 269.30         | 5740.90     | -49.40            | 78.40       | 78.32                 | 92.66               |       | 122.22 | 0.18                     | 0.05         |         |  |
| 32                         | 5,930         | 1.70                           | 347.30         | 5927.86     | -46.72            | 75.99       | 75.92                 | 89.20               |       | 121.58 | 0.97                     | 0.32         |         |  |
| 33                         | 6,024         | 0.90                           | 218.20         | 6021.85     | -45.94            | 75.23       | 75.16                 | 88.14               |       | 121.41 | 2.52                     | -0.85        |         |  |

V09.04.02

|                            |                                |                       |       |
|----------------------------|--------------------------------|-----------------------|-------|
| Company:                   | Matador Production Company     |                       |       |
| Well Name:                 | Joe Coleman 13-23S-27E RB 203H |                       |       |
| Location:                  | Eddy County, NM                |                       |       |
| Rig:                       | Patterson #297                 | Magnetic Declination: | 7.10  |
| Job Number:                | DDMO-180374                    |                       |       |
| API #:                     | 30-015-44625                   |                       |       |
| Vertical Section Azimuth:  | 89.91                          | Proposed Direction:   | 89.91 |
| Survey Calculation Method: | Minimum Curvature              |                       |       |
| REFERENCED TO GRID NORTH   |                                |                       |       |

| PTB: | MD            | INC            | AZM            | TVD         | N/S         | E/W         | VS                  |                     |        |             |              |
|------|---------------|----------------|----------------|-------------|-------------|-------------|---------------------|---------------------|--------|-------------|--------------|
|      | 14,222        | 87.3           | 85.9           | 9388.54     | 10.15       | 5309.02     | 5309.03             |                     |        |             |              |
| #    | 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   | 6,118         | 0.90           | 217.40         | 6115.83     | -47.10      | 74.32       | 74.25               | 87.99               | 122.36 | 0.01        | 0.00         |
| 35   | 6,211         | 0.70           | 234.60         | 6208.83     | -48.01      | 73.42       | 73.34               | 87.72               | 123.18 | 0.33        | -0.22        |
| 36   | 6,305         | 1.30           | 72.40          | 6302.82     | -48.02      | 73.96       | 73.89               | 88.19               | 122.99 | 2.10        | 0.64         |
| 37   | 6,398         | 1.10           | 98.40          | 6395.80     | -47.83      | 75.85       | 75.78               | 89.68               | 122.24 | 0.62        | -0.22        |
| 38   | 6,492         | 1.40           | 116.90         | 6489.78     | -48.48      | 77.77       | 77.69               | 91.65               | 121.94 | 0.53        | 0.32         |
| 39   | 6,585         | 1.40           | 124.90         | 6582.75     | -49.65      | 79.71       | 79.64               | 93.91               | 121.92 | 0.21        | 0.00         |
| 40   | 6,679         | 1.50           | 114.40         | 6676.72     | -50.81      | 81.78       | 81.70               | 96.28               | 121.86 | 0.30        | 0.11         |
| 41   | 6,772         | 1.60           | 110.60         | 6769.69     | -51.77      | 84.10       | 84.02               | 98.76               | 121.62 | 0.15        | 0.11         |
| 42   | 6,866         | 1.50           | 98.90          | 6863.65     | -52.43      | 86.54       | 86.46               | 101.18              | 121.21 | 0.35        | -0.11        |
| 43   | 6,959         | 1.50           | 87.40          | 6956.62     | -52.56      | 88.96       | 88.88               | 103.33              | 120.57 | 0.32        | 0.00         |
| 44   | 7,053         | 1.60           | 87.50          | 7050.59     | -52.45      | 91.50       | 91.42               | 105.47              | 119.82 | 0.11        | 0.11         |
| 45   | 7,147         | 1.70           | 83.80          | 7144.55     | -52.24      | 94.20       | 94.12               | 107.71              | 119.01 | 0.16        | 0.11         |
| 46   | 7,241         | 1.80           | 91.70          | 7238.50     | -52.13      | 97.06       | 96.98               | 110.18              | 118.24 | 0.28        | 0.11         |
| 47   | 7,334         | 0.60           | 32.90          | 7331.48     | -51.77      | 98.79       | 98.71               | 111.53              | 117.65 | 1.69        | -1.29        |
| 48   | 7,428         | 0.30           | 81.70          | 7425.48     | -51.32      | 99.30       | 99.22               | 111.77              | 117.33 | 0.49        | -0.32        |
| 49   | 7,521         | 0.30           | 100.50         | 7518.48     | -51.33      | 99.78       | 99.70               | 112.20              | 117.22 | 0.11        | 0.00         |
| 50   | 7,615         | 0.10           | 20.90          | 7612.48     | -51.29      | 100.05      | 99.97               | 112.43              | 117.14 | 0.32        | -0.21        |
| 51   | 7,708         | 0.30           | 271.80         | 7705.48     | -51.21      | 99.83       | 99.75               | 112.20              | 117.16 | 0.37        | 0.22         |
| 52   | 7,802         | 0.60           | 253.50         | 7799.47     | -51.34      | 99.12       | 99.04               | 111.63              | 117.38 | 0.35        | 0.32         |
| 53   | 7,895         | 0.90           | 245.90         | 7892.47     | -51.78      | 97.98       | 97.90               | 110.82              | 117.85 | 0.34        | 0.32         |
| 54   | 7,989         | 1.20           | 240.50         | 7986.45     | -52.57      | 96.45       | 96.37               | 109.85              | 118.59 | 0.34        | 0.32         |
| 55   | 8,083         | 1.50           | 246.90         | 8080.42     | -53.53      | 94.46       | 94.38               | 108.58              | 119.54 | 0.36        | 0.32         |
| 56   | 8,176         | 1.60           | 234.80         | 8173.39     | -54.76      | 92.28       | 92.20               | 107.31              | 120.68 | 0.37        | 0.11         |
| 57   | 8,270         | 0.90           | 242.80         | 8267.37     | -55.85      | 90.55       | 90.47               | 106.39              | 121.67 | 0.77        | -0.74        |
| 58   | 8,364         | 0.80           | 263.50         | 8361.36     | -56.26      | 89.25       | 89.16               | 105.50              | 122.23 | 0.34        | -0.11        |
| 59   | 8,457         | 0.40           | 276.90         | 8454.35     | -56.30      | 88.28       | 88.19               | 104.70              | 122.53 | 0.45        | -0.43        |
| 60   | 8,551         | 0.40           | 343.90         | 8548.35     | -55.94      | 87.86       | 87.77               | 104.16              | 122.49 | 0.47        | 0.00         |
| 61   | 8,639         | 0.50           | 348.00         | 8636.35     | -55.27      | 87.70       | 87.61               | 103.66              | 122.22 | 0.12        | 0.11         |
| 62   | 8,713         | 2.90           | 76.60          | 8710.32     | -54.52      | 89.45       | 89.37               | 104.76              | 121.36 | 3.96        | 3.24         |
| 63   | 8,760         | 8.80           | 80.10          | 8757.05     | -53.63      | 94.15       | 94.07               | 108.36              | 119.67 | 12.57       | 12.55        |
| 64   | 8,807         | 15.70          | 87.30          | 8802.95     | -52.71      | 104.06      | 103.98              | 116.65              | 116.86 | 15.01       | 14.68        |
| 65   | 8,854         | 21.20          | 87.50          | 8847.52     | -52.04      | 118.91      | 118.83              | 129.80              | 113.64 | 11.70       | 11.70        |
| 66   | 8,901         | 26.60          | 85.60          | 8890.48     | -50.86      | 137.91      | 137.83              | 146.99              | 110.24 | 11.60       | 11.49        |
| 67   | 8,947         | 30.70          | 83.10          | 8930.84     | -48.66      | 159.84      | 159.77              | 167.09              | 106.93 | 9.28        | 8.91         |



# SURVEY CALCULATION PROGRAM

6/7/18 11:31

V09.04.02

|                            |               |                                |                   |             |             |                     |                       |                         |        |             |                          |  |
|----------------------------|---------------|--------------------------------|-------------------|-------------|-------------|---------------------|-----------------------|-------------------------|--------|-------------|--------------------------|--|
| Company:                   |               | Matador Production Company     |                   |             |             |                     |                       |                         |        |             |                          |  |
| Well Name:                 |               | Joe Coleman 13-23S-27E RB 203H |                   |             |             |                     |                       |                         |        |             |                          |  |
| Location:                  |               | Eddy County, NM                |                   |             |             |                     |                       |                         |        |             |                          |  |
| Rig:                       |               | Patterson #297                 |                   |             |             |                     | Magnetic Declination: |                         | 7.10   |             | REFERENCED TO GRID NORTH |  |
| Job Number:                |               | DDMO-180374                    |                   |             |             |                     |                       |                         |        |             |                          |  |
| API #:                     |               | 30-015-44625                   |                   |             |             |                     |                       |                         |        |             |                          |  |
| Vertical Section Azimuth:  |               |                                | 89.91             |             |             | Proposed Direction: |                       | 89.91                   |        |             |                          |  |
| Survey Calculation Method: |               |                                | Minimum Curvature |             |             |                     |                       |                         |        |             |                          |  |
| PTB:                       | MD            |                                | INC               |             | AZM         | TVD                 | N/S                   | E/W                     |        | VS          |                          |  |
|                            | 14,222        |                                | 87.3              |             | 85.9        | 9388.54             | 10.15                 | 5309.02                 |        | 5309.03     |                          |  |
| #                          | 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                         | 8,994         | 35.40                          | 83.00             | 8970.22     | -45.56      | 185.28              | 185.21                | 190.80                  | 103.81 | 10.00       | 10.00                    |  |
| 69                         | 9,041         | 39.10                          | 85.60             | 9007.63     | -42.76      | 213.58              | 213.51                | 217.82                  | 101.32 | 8.55        | 7.87                     |  |
| 70                         | 9,088         | 43.30                          | 87.60             | 9042.99     | -40.95      | 244.48              | 244.41                | 247.88                  | 99.51  | 9.36        | 8.94                     |  |
| 71                         | 9,134         | 47.20                          | 87.00             | 9075.37     | -39.40      | 277.10              | 277.04                | 279.89                  | 98.09  | 8.53        | 8.48                     |  |
| 72                         | 9,181         | 51.70                          | 86.60             | 9105.91     | -37.41      | 312.75              | 312.69                | 314.98                  | 96.82  | 9.60        | 9.57                     |  |
| 73                         | 9,228         | 55.40                          | 87.80             | 9133.83     | -35.57      | 350.50              | 350.45                | 352.30                  | 95.79  | 8.14        | 7.87                     |  |
| 74                         | 9,275         | 57.90                          | 90.70             | 9159.67     | -35.07      | 389.75              | 389.69                | 391.32                  | 95.14  | 7.41        | 5.32                     |  |
| 75                         | 9,322         | 61.80                          | 92.80             | 9183.28     | -36.32      | 430.36              | 430.30                | 431.89                  | 94.82  | 9.15        | 8.30                     |  |
| 76                         | 9,369         | 66.40                          | 93.00             | 9203.80     | -38.46      | 472.57              | 472.51                | 474.14                  | 94.65  | 9.79        | 9.79                     |  |
| 77                         | 9,416         | 69.20                          | 90.70             | 9221.56     | -39.86      | 516.06              | 516.00                | 517.60                  | 94.42  | 7.48        | 5.96                     |  |
| 78                         | 9,463         | 73.40                          | 89.40             | 9236.63     | -39.89      | 560.57              | 560.50                | 561.99                  | 94.07  | 9.31        | 8.94                     |  |
| 79                         | 9,594         | 82.10                          | 94.40             | 9264.41     | -44.22      | 688.34              | 688.27                | 689.76                  | 93.68  | 7.61        | 6.64                     |  |
| 80                         | 9,689         | 84.20                          | 94.30             | 9275.74     | -51.38      | 782.39              | 782.31                | 784.07                  | 93.76  | 2.21        | 2.21                     |  |
| 81                         | 9,783         | 88.10                          | 89.50             | 9282.05     | -54.48      | 876.08              | 875.99                | 877.77                  | 93.56  | 6.57        | 4.15                     |  |
| 82                         | 9,877         | 88.10                          | 89.50             | 9285.17     | -53.66      | 970.03              | 969.94                | 971.51                  | 93.17  | 0.00        | 0.00                     |  |
| 83                         | 9,972         | 88.00                          | 89.30             | 9288.40     | -52.66      | 1064.96             | 1064.88               | 1066.27                 | 92.83  | 0.24        | -0.11                    |  |
| 84                         | 10,066        | 87.70                          | 89.30             | 9291.93     | -51.51      | 1158.89             | 1158.81               | 1160.04                 | 92.55  | 0.32        | -0.32                    |  |
| 85                         | 10,161        | 88.60                          | 89.40             | 9295.00     | -50.44      | 1253.83             | 1253.75               | 1254.85                 | 92.30  | 0.95        | 0.95                     |  |
| 86                         | 10,254        | 88.50                          | 89.10             | 9297.35     | -49.22      | 1346.80             | 1346.72               | 1347.70                 | 92.09  | 0.34        | -0.11                    |  |
| 87                         | 10,349        | 88.30                          | 88.80             | 9300.00     | -47.48      | 1441.74             | 1441.67               | 1442.53                 | 91.89  | 0.38        | -0.21                    |  |
| 88                         | 10,444        | 87.90                          | 88.30             | 9303.15     | -45.08      | 1536.66             | 1536.59               | 1537.32                 | 91.68  | 0.67        | -0.42                    |  |
| 89                         | 10,538        | 87.70                          | 87.90             | 9306.76     | -41.96      | 1630.54             | 1630.47               | 1631.08                 | 91.47  | 0.48        | -0.21                    |  |
| 90                         | 10,633        | 88.70                          | 88.40             | 9309.75     | -38.90      | 1725.44             | 1725.38               | 1725.88                 | 91.29  | 1.18        | 1.05                     |  |
| 91                         | 10,727        | 88.70                          | 88.00             | 9311.88     | -35.95      | 1819.37             | 1819.31               | 1819.73                 | 91.13  | 0.43        | 0.00                     |  |
| 92                         | 10,822        | 88.60                          | 88.00             | 9314.12     | -32.63      | 1914.29             | 1914.23               | 1914.56                 | 90.98  | 0.11        | -0.11                    |  |
| 93                         | 10,916        | 88.40                          | 87.50             | 9316.58     | -28.94      | 2008.18             | 2008.13               | 2008.39                 | 90.83  | 0.57        | -0.21                    |  |
| 94                         | 11,010        | 88.00                          | 87.10             | 9319.53     | -24.52      | 2102.03             | 2101.99               | 2102.17                 | 90.67  | 0.60        | -0.43                    |  |
| 95                         | 11,104        | 88.10                          | 88.00             | 9322.73     | -20.50      | 2195.89             | 2195.85               | 2195.99                 | 90.53  | 0.96        | 0.11                     |  |
| 96                         | 11,199        | 87.80                          | 89.20             | 9326.13     | -18.18      | 2290.80             | 2290.77               | 2290.87                 | 90.45  | 1.30        | -0.32                    |  |
| 97                         | 11,294        | 87.30                          | 89.50             | 9330.19     | -17.10      | 2385.71             | 2385.68               | 2385.77                 | 90.41  | 0.61        | -0.53                    |  |
| 98                         | 11,388        | 89.50                          | 90.40             | 9332.81     | -17.02      | 2479.66             | 2479.63               | 2479.72                 | 90.39  | 2.53        | 2.34                     |  |
| 99                         | 11,482        | 89.10                          | 90.20             | 9333.96     | -17.52      | 2573.65             | 2573.62               | 2573.71                 | 90.39  | 0.48        | -0.43                    |  |
| 100                        | 11,576        | 87.70                          | 89.40             | 9336.59     | -17.19      | 2667.61             | 2667.58               | 2667.67                 | 90.37  | 1.72        | -1.49                    |  |
| 101                        | 11,670        | 87.50                          | 88.70             | 9340.52     | -15.63      | 2761.52             | 2761.49               | 2761.56                 | 90.32  | 0.77        | -0.21                    |  |

V09.04.02

|                            |               |                                |                |                   |             |                       |                     |                         |       |                            |              |
|----------------------------|---------------|--------------------------------|----------------|-------------------|-------------|-----------------------|---------------------|-------------------------|-------|----------------------------|--------------|
| Company:                   |               | Matador Production Company     |                |                   |             |                       |                     |                         |       |                            |              |
| Well Name:                 |               | Joe Coleman 13-23S-27E RB 203H |                |                   |             |                       |                     |                         |       |                            |              |
| Location:                  |               | Eddy County, NM                |                |                   |             |                       |                     |                         |       |                            |              |
| Rig:                       |               | Patterson #297                 |                |                   |             | Magnetic Declination: |                     | 7.10                    |       | REFERENCED TO GRID NORTH ▼ |              |
| Job Number:                |               | DDMO-180374                    |                |                   |             |                       |                     |                         |       |                            |              |
| API #:                     |               | 30-015-44625                   |                |                   |             |                       |                     |                         |       |                            |              |
| Vertical Section Azimuth:  |               |                                |                | 89.91             |             | Proposed Direction:   |                     | 89.91                   |       |                            |              |
| Survey Calculation Method: |               |                                |                | Minimum Curvature |             |                       |                     |                         |       |                            |              |
| PTB:                       | MD            |                                | INC            |                   | AZM         | TVD                   | N/S                 | E/W                     |       | VS                         |              |
|                            | 14,222        |                                | 87.3           |                   | 85.9        | 9388.54               | 10.15               | 5309.02                 |       | 5309.03                    |              |
| #                          | 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                        | 11,764        | 88.90                          | 88.80          | 9343.47           | -13.58      | 2855.45               | 2855.42             | 2855.48                 | 90.27 | 1.49                       | 1.49         |
| 103                        | 11,858        | 88.20                          | 88.60          | 9345.85           | -11.45      | 2949.39               | 2949.37             | 2949.41                 | 90.22 | 0.77                       | -0.74        |
| 104                        | 11,953        | 87.40                          | 88.30          | 9349.50           | -8.88       | 3044.29               | 3044.27             | 3044.30                 | 90.17 | 0.90                       | -0.84        |
| 105                        | 12,047        | 87.80                          | 89.70          | 9353.44           | -7.24       | 3138.19               | 3138.17             | 3138.19                 | 90.13 | 1.55                       | 0.43         |
| 106                        | 12,141        | 86.00                          | 89.40          | 9358.52           | -6.51       | 3232.04               | 3232.03             | 3232.05                 | 90.12 | 1.94                       | -1.91        |
| 107                        | 12,236        | 88.60                          | 90.60          | 9362.99           | -6.51       | 3326.93               | 3326.91             | 3326.93                 | 90.11 | 3.01                       | 2.74         |
| 108                        | 12,330        | 90.40                          | 90.20          | 9363.81           | -7.16       | 3420.92               | 3420.90             | 3420.92                 | 90.12 | 1.96                       | 1.91         |
| 109                        | 12,424        | 89.20                          | 87.90          | 9364.14           | -5.60       | 3514.89               | 3514.88             | 3514.90                 | 90.09 | 2.76                       | -1.28        |
| 110                        | 12,519        | 87.30                          | 86.80          | 9367.04           | -1.21       | 3609.74               | 3609.74             | 3609.74                 | 90.02 | 2.31                       | -2.00        |
| 111                        | 12,613        | 89.30                          | 86.60          | 9369.83           | 4.19        | 3703.54               | 3703.54             | 3703.54                 | 89.94 | 2.14                       | 2.13         |
| 112                        | 12,707        | 93.10                          | 87.20          | 9367.86           | 9.28        | 3797.37               | 3797.38             | 3797.38                 | 89.86 | 4.09                       | 4.04         |
| 113                        | 12,802        | 98.70                          | 90.70          | 9358.10           | 11.02       | 3891.79               | 3891.81             | 3891.81                 | 89.84 | 6.94                       | 5.89         |
| 114                        | 12,896        | 93.60                          | 93.10          | 9348.03           | 7.91        | 3985.16               | 3985.17             | 3985.17                 | 89.89 | 5.99                       | -5.43        |
| 115                        | 12,991        | 89.70                          | 93.10          | 9345.30           | 2.78        | 4079.97               | 4079.97             | 4079.97                 | 89.96 | 4.11                       | -4.11        |
| 116                        | 13,085        | 87.20                          | 93.10          | 9347.84           | -2.30       | 4173.79               | 4173.78             | 4173.79                 | 90.03 | 2.66                       | -2.66        |
| 117                        | 13,180        | 85.90                          | 92.80          | 9353.56           | -7.18       | 4268.49               | 4268.47             | 4268.49                 | 90.10 | 1.40                       | -1.37        |
| 118                        | 13,275        | 87.30                          | 90.50          | 9359.19           | -9.91       | 4363.27               | 4363.25             | 4363.28                 | 90.13 | 2.83                       | 1.47         |
| 119                        | 13,369        | 85.30                          | 89.20          | 9365.26           | -9.67       | 4457.07               | 4457.05             | 4457.08                 | 90.12 | 2.54                       | -2.13        |
| 120                        | 13,464        | 86.60                          | 88.80          | 9371.97           | -8.01       | 4551.81               | 4551.80             | 4551.82                 | 90.10 | 1.43                       | 1.37         |
| 121                        | 13,558        | 90.50                          | 91.20          | 9374.34           | -8.01       | 4645.76               | 4645.74             | 4645.77                 | 90.10 | 4.87                       | 4.15         |
| 122                        | 13,652        | 89.90                          | 90.20          | 9374.02           | -9.16       | 4739.75               | 4739.73             | 4739.76                 | 90.11 | 1.24                       | -0.64        |
| 123                        | 13,746        | 89.40                          | 89.80          | 9374.59           | -9.16       | 4833.75               | 4833.73             | 4833.76                 | 90.11 | 0.68                       | -0.53        |
| 124                        | 13,841        | 89.10                          | 88.60          | 9375.83           | -7.84       | 4928.73               | 4928.71             | 4928.74                 | 90.09 | 1.30                       | -0.32        |
| 125                        | 13,935        | 88.80                          | 88.00          | 9377.56           | -5.05       | 5022.67               | 5022.66             | 5022.67                 | 90.06 | 0.71                       | -0.32        |
| 126                        | 14,029        | 87.90                          | 87.70          | 9380.26           | -1.52       | 5116.56               | 5116.56             | 5116.57                 | 90.02 | 1.01                       | -0.96        |
| 127                        | 14,123        | 87.60                          | 86.50          | 9383.95           | 3.23        | 5210.37               | 5210.37             | 5210.37                 | 89.96 | 1.31                       | -0.32        |
| 128                        | 14,152        | 87.30                          | 85.90          | 9385.24           | 5.15        | 5239.28               | 5239.28             | 5239.28                 | 89.94 | 2.31                       | -1.03        |
| PTB:                       | 14,222        | 87.30                          | 85.90          | 9388.54           | 10.15       | 5309.02               | 5309.03             | 5309.03                 | 89.89 | 0.00                       | 0.00         |