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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/06/19** thru **02/07/19** conduct or supervise the taking of a **MWD Survey** from a depth of **111'** to a depth of **18583'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Muy Wayno 18 Federal #104H** API No. **30-015-44839** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

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*13901 Hwy 105W, Conroe, Texas  
77304  
PH 936-539-9602*



# Wellbenders

End Of Well Report

Rec'd 03/27/2020 - NMOC



|                                                      |  |                                     |  |
|------------------------------------------------------|--|-------------------------------------|--|
| <b>Company:</b> XTO Energy                           |  | <b>Local Co-ordinate Reference:</b> |  |
| <b>Project:</b> Eddy County, NM (Nad-27 / East Zone) |  | Well #104H                          |  |
| <b>Site:</b> Muy Wayno 18 Federal                    |  | RKB = 26' @ 3191.00usft (PAT 225)   |  |
| <b>Well:</b> #104H                                   |  | RKB = 26' @ 3191.00usft (PAT 225)   |  |
| <b>Wellbore:</b> OH                                  |  | Grid                                |  |
| <b>Design:</b> OH                                    |  | Minimum Curvature                   |  |
|                                                      |  | WBDS_SQL_2                          |  |

|                                      |  |                      |  |
|--------------------------------------|--|----------------------|--|
| <b>Project</b>                       |  | <b>System Datum:</b> |  |
| Eddy County, NM (Nad-27 / East Zone) |  | Mean Sea Level       |  |

|                                                         |  |
|---------------------------------------------------------|--|
| <b>Map System:</b> US State Plane 1927 (Exact solution) |  |
| <b>Geo Datum:</b> NAD 1927 (NADCON CONUS)               |  |
| <b>Map Zone:</b> New Mexico East 3001                   |  |

|                              |  |                          |  |
|------------------------------|--|--------------------------|--|
| <b>Site</b>                  |  | <b>Northings:</b>        |  |
| Muy Wayno 18 Federal         |  | 410,905.90 usft          |  |
|                              |  | 625,541.00 usft          |  |
| <b>Site Position:</b>        |  | <b>Latitude:</b>         |  |
| Map                          |  | 32.129047                |  |
|                              |  | Longitude:               |  |
| 0.00 usft                    |  | -103.927788              |  |
| <b>Position Uncertainty:</b> |  | <b>Grid Convergence:</b> |  |
|                              |  | 13.200 in                |  |
|                              |  | 0.216 °                  |  |

|                             |  |                      |  |
|-----------------------------|--|----------------------|--|
| <b>Well</b>                 |  | <b>Northings:</b>    |  |
| #104H                       |  | 410,910.30 usft      |  |
| <b>Well Position</b>        |  | <b>Latitude:</b>     |  |
| +N/-S 0.00 usft             |  | 32.129050            |  |
| +E/-W 0.00 usft             |  | <b>Longitude:</b>    |  |
| 0.00 usft                   |  | -103.925026          |  |
| <b>Position Uncertainty</b> |  | <b>Ground Level:</b> |  |
|                             |  | 3,165.00 usft        |  |

|                 |  |           |  |
|-----------------|--|-----------|--|
| <b>Wellbore</b> |  | <b>OH</b> |  |
|-----------------|--|-----------|--|

|                  |  |                   |  |                    |  |                    |  |                  |  |                       |  |
|------------------|--|-------------------|--|--------------------|--|--------------------|--|------------------|--|-----------------------|--|
| <b>Magnetics</b> |  | <b>Model Name</b> |  | <b>Sample Date</b> |  | <b>Declination</b> |  | <b>Dip Angle</b> |  | <b>Field Strength</b> |  |
|                  |  | IGRF2015          |  | 10/30/2018         |  | 6.963              |  | 59.902           |  | 47,705.57498109       |  |

|               |  |           |  |
|---------------|--|-----------|--|
| <b>Design</b> |  | <b>OH</b> |  |
|---------------|--|-----------|--|

|                     |  |                 |  |               |  |                      |  |
|---------------------|--|-----------------|--|---------------|--|----------------------|--|
| <b>Audit Notes:</b> |  | <b>Version:</b> |  | <b>Phase:</b> |  | <b>Tie On Depth:</b> |  |
|                     |  | 1.0             |  | ACTUAL        |  | 0.00                 |  |

|                          |  |                         |  |              |  |              |  |                  |  |
|--------------------------|--|-------------------------|--|--------------|--|--------------|--|------------------|--|
| <b>Vertical Section:</b> |  | <b>Depth From (TVD)</b> |  | <b>+N/-S</b> |  | <b>+E/-W</b> |  | <b>Direction</b> |  |
|                          |  | (usft)                  |  | (usft)       |  | (usft)       |  | (°)              |  |
|                          |  | 0.00                    |  | 0.00         |  | 0.00         |  | 359.72           |  |

|                       |  |             |  |                 |  |
|-----------------------|--|-------------|--|-----------------|--|
| <b>Survey Program</b> |  | <b>Date</b> |  | <b>2/6/2019</b> |  |
|-----------------------|--|-------------|--|-----------------|--|

|             |  |           |  |                          |  |                  |  |                        |  |
|-------------|--|-----------|--|--------------------------|--|------------------|--|------------------------|--|
| <b>From</b> |  | <b>To</b> |  | <b>Survey (Wellbore)</b> |  | <b>Tool Name</b> |  | <b>Description</b>     |  |
| (usft)      |  | (usft)    |  |                          |  |                  |  |                        |  |
| 111.00      |  | 18,583.00 |  | Survey #1 (OH)           |  | WBDS_IGRF        |  | OWSG MWD + IGRF or WMM |  |

| Company: XTO Energy                           |            |                      | Local Co-ordinate Reference:      |               |               |                  |              |               |                   |      |      |  |
|-----------------------------------------------|------------|----------------------|-----------------------------------|---------------|---------------|------------------|--------------|---------------|-------------------|------|------|--|
| Project: Eddy County, NM (Nad-27 / East Zone) |            |                      | Well #104H                        |               |               |                  |              |               |                   |      |      |  |
| Site: Muy Wayno 18 Federal                    |            |                      | RKB = 26' @ 3191.00usft (PAT 225) |               |               |                  |              |               |                   |      |      |  |
| Well: #104H                                   |            |                      | RKB = 26' @ 3191.00usft (PAT 225) |               |               |                  |              |               |                   |      |      |  |
| Wellbore: OH                                  |            |                      | Grid                              |               |               |                  |              |               |                   |      |      |  |
| Design: OH                                    |            |                      | Minimum Curvature                 |               |               |                  |              |               |                   |      |      |  |
|                                               |            |                      | WBDS_SQL_2                        |               |               |                  |              |               |                   |      |      |  |
| Survey                                        |            |                      |                                   |               |               |                  |              |               |                   |      |      |  |
| MD<br>(usft)                                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft)                     | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | CL<br>(usft) | CL Azi<br>(°) | DLeg<br>(°/100ft) |      |      |  |
| 0.00                                          | 0.00       | 0.00                 | 0.00                              | 0.00          | 0.00          | 0.00             | 0.00         | 0.00          | 0.00              | 0.00 | 0.00 |  |
| 111.00                                        | 0.40       | 178.10               | 111.00                            | -0.39         | 0.01          | -0.39            | 111.00       | 178.10        | 0.36              | 0.36 | 0.36 |  |
| 196.00                                        | 0.50       | 160.50               | 196.00                            | -1.03         | 0.15          | -1.03            | 85.00        | 168.31        | 0.20              | 0.20 | 0.20 |  |
| 284.00                                        | 0.40       | 163.70               | 283.99                            | -1.69         | 0.36          | -1.69            | 88.00        | 161.92        | 0.12              | 0.12 | 0.12 |  |
| 378.00                                        | 0.60       | 144.10               | 377.99                            | -2.40         | 0.74          | -2.41            | 94.00        | 151.92        | 0.28              | 0.28 | 0.28 |  |
| 476.00                                        | 0.40       | 123.30               | 475.99                            | -3.01         | 1.33          | -3.01            | 98.00        | 135.80        | 0.27              | 0.27 | 0.27 |  |
| 569.00                                        | 0.90       | 148.30               | 568.98                            | -3.81         | 1.98          | -3.82            | 93.00        | 140.67        | 0.61              | 0.61 | 0.61 |  |
| 663.00                                        | 1.00       | 144.40               | 662.97                            | -5.10         | 2.85          | -5.12            | 94.00        | 146.25        | 0.13              | 0.13 | 0.13 |  |
| 758.00                                        | 1.00       | 122.60               | 757.95                            | -6.22         | 4.03          | -6.24            | 95.00        | 133.50        | 0.40              | 0.40 | 0.40 |  |
| 853.00                                        | 1.00       | 106.20               | 852.94                            | -6.90         | 5.52          | -6.93            | 95.00        | 114.40        | 0.30              | 0.30 | 0.30 |  |
| 867.00                                        | 1.10       | 101.40               | 866.94                            | -6.96         | 5.77          | -6.99            | 14.00        | 103.69        | 0.95              | 0.95 | 0.95 |  |
| 948.00                                        | 1.30       | 103.30               | 947.92                            | -7.33         | 7.43          | -7.36            | 81.00        | 102.43        | 0.25              | 0.25 | 0.25 |  |
| 1,042.00                                      | 1.30       | 111.20               | 1,041.89                          | -7.96         | 9.46          | -8.00            | 94.00        | 107.25        | 0.19              | 0.19 | 0.19 |  |
| 1,137.00                                      | 1.80       | 127.20               | 1,136.86                          | -9.25         | 11.65         | -9.31            | 95.00        | 120.50        | 0.69              | 0.69 | 0.69 |  |
| 1,231.00                                      | 1.60       | 133.00               | 1,230.82                          | -11.04        | 13.79         | -11.10           | 94.00        | 129.93        | 0.28              | 0.28 | 0.28 |  |
| 1,327.00                                      | 1.60       | 147.40               | 1,326.78                          | -13.08        | 15.49         | -13.16           | 96.00        | 140.20        | 0.42              | 0.42 | 0.42 |  |
| 1,421.00                                      | 3.40       | 147.10               | 1,420.69                          | -16.53        | 17.71         | -16.61           | 94.00        | 147.20        | 1.91              | 1.91 | 1.91 |  |
| 1,516.00                                      | 3.20       | 146.10               | 1,515.53                          | -21.09        | 20.72         | -21.19           | 95.00        | 146.62        | 0.22              | 0.22 | 0.22 |  |
| 1,610.00                                      | 2.60       | 161.50               | 1,609.41                          | -25.29        | 22.86         | -25.40           | 94.00        | 153.00        | 1.04              | 1.04 | 1.04 |  |
| 1,703.00                                      | 3.00       | 160.50               | 1,702.30                          | -29.59        | 24.34         | -29.70           | 93.00        | 160.96        | 0.43              | 0.43 | 0.43 |  |
| 1,798.00                                      | 3.30       | 166.40               | 1,797.16                          | -34.59        | 25.82         | -34.71           | 95.00        | 163.59        | 0.46              | 0.46 | 0.46 |  |
| 1,892.00                                      | 2.90       | 155.40               | 1,891.02                          | -39.38        | 27.44         | -39.51           | 94.00        | 161.26        | 0.76              | 0.76 | 0.76 |  |
| 1,986.00                                      | 3.00       | 150.50               | 1,984.90                          | -43.68        | 29.64         | -43.83           | 94.00        | 152.91        | 0.29              | 0.29 | 0.29 |  |
| 2,081.00                                      | 3.10       | 157.00               | 2,079.76                          | -48.21        | 31.87         | -48.37           | 95.00        | 153.80        | 0.38              | 0.38 | 0.38 |  |
| 2,175.00                                      | 1.90       | 147.60               | 2,173.67                          | -51.87        | 33.70         | -52.03           | 94.00        | 153.43        | 1.34              | 1.34 | 1.34 |  |
| 2,269.00                                      | 1.60       | 132.60               | 2,267.63                          | -54.07        | 35.50         | -54.24           | 94.00        | 140.75        | 0.58              | 0.58 | 0.58 |  |
| 2,363.00                                      | 2.00       | 120.70               | 2,361.58                          | -55.80        | 37.88         | -55.98           | 94.00        | 125.99        | 0.58              | 0.58 | 0.58 |  |



# Wellbenders

## End Of Well Report



| Company: XTO Energy                           |            |                      | Local Co-ordinate Reference: |               |               |                  |              | Well #104H                        |                   |  |
|-----------------------------------------------|------------|----------------------|------------------------------|---------------|---------------|------------------|--------------|-----------------------------------|-------------------|--|
| Project: Eddy County, NM (Nad-27 / East Zone) |            |                      | TVD Reference:               |               |               |                  |              | RKB = 26' @ 3191.00usft (PAT 225) |                   |  |
| Site: Muy Wayno 18 Federal                    |            |                      | MD Reference:                |               |               |                  |              | RKB = 26' @ 3191.00usft (PAT 225) |                   |  |
| Well: #104H                                   |            |                      | North Reference:             |               |               |                  |              | Grid                              |                   |  |
| Wellbore: OH                                  |            |                      | Survey Calculation Method:   |               |               |                  |              | Minimum Curvature                 |                   |  |
| Design: OH                                    |            |                      | Database:                    |               |               |                  |              | WBDS_SQL_2                        |                   |  |
| Survey                                        |            |                      |                              |               |               |                  |              |                                   |                   |  |
| MD<br>(usft)                                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft)                | N/S<br>(usft) | E/W<br>(usft) | V. Sec<br>(usft) | CL<br>(usft) | CL Azi<br>(°)                     | DLeg<br>(°/100ft) |  |
| 2,456.00                                      | 1.50       | 90.20                | 2,454.54                     | -56.63        | 40.49         | -56.83           | 93.00        | 107.68                            | 1.12              |  |
| 2,549.00                                      | 1.90       | 109.20               | 2,547.50                     | -57.14        | 43.16         | -57.35           | 93.00        | 100.83                            | 0.74              |  |
| 2,642.00                                      | 1.70       | 108.10               | 2,640.45                     | -58.07        | 45.93         | -58.30           | 93.00        | 108.68                            | 0.22              |  |
| 2,737.00                                      | 1.70       | 109.80               | 2,735.41                     | -58.99        | 48.60         | -59.23           | 95.00        | 108.95                            | 0.05              |  |
| 2,831.00                                      | 2.20       | 118.60               | 2,829.36                     | -60.33        | 51.49         | -60.58           | 94.00        | 114.76                            | 0.62              |  |
| 2,925.00                                      | 3.30       | 94.50                | 2,923.25                     | -61.40        | 55.77         | -61.67           | 94.00        | 104.11                            | 1.67              |  |
| 3,019.00                                      | 3.90       | 89.50                | 3,017.06                     | -61.59        | 61.67         | -61.89           | 94.00        | 91.79                             | 0.72              |  |
| 3,112.00                                      | 4.20       | 96.90                | 3,109.83                     | -61.97        | 68.21         | -62.30           | 93.00        | 93.34                             | 0.65              |  |
| 3,207.00                                      | 4.80       | 101.20               | 3,204.54                     | -63.16        | 75.56         | -63.53           | 95.00        | 99.19                             | 0.72              |  |
| 3,301.00                                      | 5.50       | 102.70               | 3,298.16                     | -64.91        | 83.82         | -65.32           | 94.00        | 102.00                            | 0.76              |  |
| 3,365.00                                      | 5.40       | 100.50               | 3,361.87                     | -66.14        | 89.77         | -66.57           | 64.00        | 101.61                            | 0.36              |  |
| 3,513.00                                      | 5.20       | 98.90                | 3,509.24                     | -68.44        | 103.24        | -68.95           | 148.00       | 99.72                             | 0.17              |  |
| 3,607.00                                      | 7.00       | 91.40                | 3,602.70                     | -69.24        | 113.18        | -69.79           | 94.00        | 94.60                             | 2.09              |  |
| 3,702.00                                      | 9.50       | 81.60                | 3,696.72                     | -68.24        | 126.72        | -68.86           | 95.00        | 85.76                             | 3.01              |  |
| 3,796.00                                      | 9.30       | 80.00                | 3,789.45                     | -65.78        | 141.88        | -66.48           | 94.00        | 80.81                             | 0.35              |  |
| 3,890.00                                      | 9.00       | 80.80                | 3,882.26                     | -63.29        | 156.62        | -64.05           | 94.00        | 80.39                             | 0.35              |  |
| 3,985.00                                      | 8.60       | 79.90                | 3,976.14                     | -60.86        | 170.94        | -61.69           | 95.00        | 80.36                             | 0.45              |  |
| 4,080.00                                      | 8.20       | 79.50                | 4,070.12                     | -58.38        | 184.60        | -59.28           | 95.00        | 79.70                             | 0.43              |  |
| 4,175.00                                      | 7.90       | 78.10                | 4,164.18                     | -55.80        | 197.65        | -56.76           | 95.00        | 78.81                             | 0.38              |  |
| 4,270.00                                      | 7.70       | 77.60                | 4,258.31                     | -53.08        | 210.25        | -54.11           | 95.00        | 77.85                             | 0.22              |  |
| 4,364.00                                      | 7.20       | 77.20                | 4,351.51                     | -50.43        | 222.15        | -51.51           | 94.00        | 77.41                             | 0.53              |  |
| 4,459.00                                      | 6.60       | 75.70                | 4,445.82                     | -47.76        | 233.24        | -48.90           | 95.00        | 76.48                             | 0.66              |  |
| 4,552.00                                      | 7.20       | 78.30                | 4,538.15                     | -45.26        | 244.13        | -46.45           | 93.00        | 77.06                             | 0.73              |  |
| 4,646.00                                      | 8.50       | 81.40                | 4,631.27                     | -43.02        | 256.77        | -44.28           | 94.00        | 79.98                             | 1.45              |  |
| 4,740.00                                      | 9.00       | 81.70                | 4,724.17                     | -40.92        | 270.91        | -42.25           | 94.00        | 81.55                             | 0.53              |  |
| 4,834.00                                      | 9.10       | 86.90                | 4,817.00                     | -39.46        | 285.61        | -40.85           | 94.00        | 84.31                             | 0.88              |  |
| 4,929.00                                      | 8.60       | 88.30                | 4,910.87                     | -38.84        | 300.21        | -40.31           | 95.00        | 87.58                             | 0.57              |  |



# Wellbenders

## End Of Well Report



| Company: XTO Energy                           |         |                   | Local Co-ordinate Reference: |            |            |               |           |            |                |
|-----------------------------------------------|---------|-------------------|------------------------------|------------|------------|---------------|-----------|------------|----------------|
| Project: Eddy County, NM (Nad-27 / East Zone) |         |                   | TVD Reference:               |            |            |               |           |            |                |
| Site: Muy Wayno 18 Federal                    |         |                   | MD Reference:                |            |            |               |           |            |                |
| Well: #104H                                   |         |                   | North Reference:             |            |            |               |           |            |                |
| Wellbore: OH                                  |         |                   | Survey Calculation Method:   |            |            |               |           |            |                |
| Design: OH                                    |         |                   | Database:                    |            |            |               |           |            |                |
|                                               |         |                   |                              |            |            |               |           |            |                |
| Survey                                        |         |                   |                              |            |            |               |           |            |                |
| MD (usft)                                     | Inc (°) | Azi (azimuth) (°) | TVD (usft)                   | N/S (usft) | E/W (usft) | V. Sec (usft) | CL (usft) | CL Azi (°) | DLeg (°/100ft) |
| 5,024.00                                      | 8.00    | 86.90             | 5,004.88                     | -38.27     | 313.91     | -39.81        | 95.00     | 87.63      | 0.67           |
| 5,118.00                                      | 7.30    | 87.30             | 5,098.04                     | -37.64     | 326.41     | -39.23        | 94.00     | 87.09      | 0.75           |
| 5,213.00                                      | 8.40    | 90.00             | 5,192.15                     | -37.35     | 339.38     | -39.01        | 95.00     | 88.74      | 1.22           |
| 5,307.00                                      | 8.90    | 91.20             | 5,285.08                     | -37.51     | 353.51     | -39.23        | 94.00     | 90.62      | 0.57           |
| 5,402.00                                      | 8.50    | 91.00             | 5,378.99                     | -37.78     | 367.88     | -39.58        | 95.00     | 91.10      | 0.42           |
| 5,496.00                                      | 8.40    | 91.70             | 5,471.97                     | -38.11     | 381.69     | -39.97        | 94.00     | 91.35      | 0.15           |
| 5,591.00                                      | 8.10    | 91.80             | 5,565.98                     | -38.52     | 395.31     | -40.46        | 95.00     | 91.75      | 0.32           |
| 5,686.00                                      | 8.60    | 83.80             | 5,659.98                     | -37.97     | 409.07     | -39.97        | 95.00     | 87.68      | 1.33           |
| 5,780.00                                      | 8.40    | 82.20             | 5,752.95                     | -36.28     | 422.86     | -38.34        | 94.00     | 83.01      | 0.33           |
| 5,874.00                                      | 7.80    | 80.80             | 5,846.01                     | -34.32     | 435.95     | -36.45        | 94.00     | 81.53      | 0.67           |
| 5,967.00                                      | 8.80    | 81.60             | 5,938.03                     | -32.28     | 449.22     | -34.47        | 93.00     | 81.22      | 1.08           |
| 6,062.00                                      | 8.80    | 83.90             | 6,031.91                     | -30.44     | 463.64     | -32.71        | 95.00     | 82.75      | 0.37           |
| 6,156.00                                      | 7.90    | 85.90             | 6,124.92                     | -29.22     | 477.23     | -31.55        | 94.00     | 84.85      | 1.01           |
| 6,251.00                                      | 7.60    | 86.80             | 6,219.05                     | -28.40     | 490.01     | -30.79        | 95.00     | 86.34      | 0.34           |
| 6,345.00                                      | 7.40    | 87.90             | 6,312.25                     | -27.83     | 502.27     | -30.28        | 94.00     | 87.34      | 0.26           |
| 6,440.00                                      | 8.80    | 86.10             | 6,406.30                     | -27.11     | 515.63     | -29.63        | 95.00     | 86.92      | 1.50           |
| 6,535.00                                      | 9.30    | 85.30             | 6,500.11                     | -25.99     | 530.53     | -28.58        | 95.00     | 85.69      | 0.54           |
| 6,629.00                                      | 8.90    | 87.10             | 6,592.93                     | -25.00     | 545.37     | -27.66        | 94.00     | 86.18      | 0.52           |
| 6,725.00                                      | 8.60    | 90.70             | 6,687.81                     | -24.71     | 559.96     | -27.45        | 96.00     | 88.87      | 0.65           |
| 6,819.00                                      | 8.30    | 90.40             | 6,780.79                     | -24.84     | 573.77     | -27.65        | 94.00     | 90.55      | 0.32           |
| 6,914.00                                      | 7.00    | 83.90             | 6,874.95                     | -24.28     | 586.39     | -27.14        | 95.00     | 87.42      | 1.64           |
| 7,009.00                                      | 8.30    | 80.00             | 6,969.10                     | -22.47     | 598.90     | -25.40        | 95.00     | 81.79      | 1.47           |
| 7,103.00                                      | 8.60    | 79.50             | 7,062.08                     | -20.01     | 612.49     | -23.00        | 94.00     | 79.75      | 0.33           |
| 7,197.00                                      | 7.80    | 79.90             | 7,155.12                     | -17.61     | 625.68     | -20.67        | 94.00     | 79.69      | 0.85           |
| 7,292.00                                      | 7.40    | 79.50             | 7,249.28                     | -15.37     | 638.04     | -18.48        | 95.00     | 79.71      | 0.42           |
| 7,387.00                                      | 7.50    | 73.50             | 7,343.48                     | -12.49     | 650.00     | -15.67        | 95.00     | 76.48      | 0.83           |
| 7,480.00                                      | 7.70    | 72.00             | 7,435.67                     | -8.84      | 661.75     | -12.08        | 93.00     | 72.74      | 0.30           |



## Wellbenders

### End Of Well Report



| Company: XTO Energy                           |            |                      |               | Local Co-ordinate Reference:                     |               |                  |              |               |                   |  |  |
|-----------------------------------------------|------------|----------------------|---------------|--------------------------------------------------|---------------|------------------|--------------|---------------|-------------------|--|--|
| Project: Eddy County, NM (Nad-27 / East Zone) |            |                      |               | TVD Reference: RKB = 26' @ 3191.00usft (PAT 225) |               |                  |              |               |                   |  |  |
| Site: Muy Wayno 18 Federal                    |            |                      |               | MD Reference: RKB = 26' @ 3191.00usft (PAT 225)  |               |                  |              |               |                   |  |  |
| Well: #104H                                   |            |                      |               | Grid                                             |               |                  |              |               |                   |  |  |
| Wellbore: OH                                  |            |                      |               | Minimum Curvature                                |               |                  |              |               |                   |  |  |
| Design: OH                                    |            |                      |               | WBDS_SQL_2                                       |               |                  |              |               |                   |  |  |
| Survey                                        |            |                      |               |                                                  |               |                  |              |               |                   |  |  |
| MD<br>(usft)                                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft)                                    | E/W<br>(usft) | V. Sec<br>(usft) | CL<br>(usft) | CL Azi<br>(°) | DLeg<br>(°/100ft) |  |  |
| 7,575.00                                      | 7.40       | 75.40                | 7,529.84      | -5.33                                            | 673.72        | -8.63            | 95.00        | 73.67         | 0.57              |  |  |
| 7,670.00                                      | 7.20       | 76.50                | 7,624.07      | -2.40                                            | 685.43        | -5.75            | 95.00        | 75.94         | 0.26              |  |  |
| 7,764.00                                      | 6.40       | 72.60                | 7,717.41      | 0.54                                             | 696.16        | -2.86            | 94.00        | 74.66         | 0.98              |  |  |
| 7,858.00                                      | 7.20       | 86.30                | 7,810.75      | 2.49                                             | 707.03        | -0.97            | 94.00        | 79.85         | 1.92              |  |  |
| 7,954.00                                      | 6.60       | 90.30                | 7,906.06      | 2.85                                             | 718.55        | -0.66            | 96.00        | 88.21         | 0.80              |  |  |
| 8,048.00                                      | 5.90       | 93.60                | 7,999.50      | 2.52                                             | 728.78        | -1.05            | 94.00        | 91.86         | 0.84              |  |  |
| 8,143.00                                      | 5.00       | 93.20                | 8,094.07      | 1.98                                             | 737.78        | -1.63            | 95.00        | 93.42         | 0.95              |  |  |
| 8,237.00                                      | 4.30       | 73.50                | 8,187.77      | 2.75                                             | 745.25        | -0.89            | 94.00        | 84.10         | 1.84              |  |  |
| 8,331.00                                      | 4.10       | 64.20                | 8,281.51      | 5.21                                             | 751.66        | 1.54             | 94.00        | 68.96         | 0.75              |  |  |
| 8,426.00                                      | 3.70       | 65.30                | 8,376.29      | 7.97                                             | 757.50        | 4.27             | 95.00        | 64.72         | 0.43              |  |  |
| 8,520.00                                      | 3.40       | 64.00                | 8,470.11      | 10.46                                            | 762.76        | 6.73             | 94.00        | 64.68         | 0.33              |  |  |
| 8,616.00                                      | 2.90       | 63.40                | 8,565.97      | 12.80                                            | 767.49        | 9.05             | 96.00        | 63.72         | 0.52              |  |  |
| 8,710.00                                      | 1.90       | 53.90                | 8,659.89      | 14.78                                            | 770.88        | 11.01            | 94.00        | 59.64         | 1.14              |  |  |
| 8,804.00                                      | 1.80       | 52.40                | 8,753.84      | 16.60                                            | 773.31        | 12.82            | 94.00        | 53.17         | 0.12              |  |  |
| 8,898.00                                      | 2.10       | 38.90                | 8,847.78      | 18.84                                            | 775.56        | 15.05            | 94.00        | 45.13         | 0.58              |  |  |
| 8,993.00                                      | 1.50       | 47.40                | 8,942.74      | 21.04                                            | 777.57        | 17.24            | 95.00        | 42.44         | 0.69              |  |  |
| 9,087.00                                      | 0.90       | 18.40                | 9,036.72      | 22.57                                            | 778.70        | 18.76            | 94.00        | 36.60         | 0.89              |  |  |
| 9,182.00                                      | 0.50       | 61.90                | 9,131.71      | 23.47                                            | 779.31        | 19.66            | 95.00        | 33.65         | 0.67              |  |  |
| 9,276.00                                      | 0.60       | 104.30               | 9,225.70      | 23.54                                            | 780.14        | 19.73            | 94.00        | 85.12         | 0.43              |  |  |
| 9,371.00                                      | 2.40       | 93.20                | 9,320.67      | 23.31                                            | 782.61        | 19.49            | 95.00        | 95.41         | 1.91              |  |  |
| 9,465.00                                      | 3.90       | 81.50                | 9,414.52      | 23.67                                            | 787.74        | 19.82            | 94.00        | 85.95         | 1.73              |  |  |
| 9,560.00                                      | 6.20       | 77.60                | 9,509.15      | 25.25                                            | 795.95        | 21.36            | 95.00        | 79.11         | 2.45              |  |  |
| 9,654.00                                      | 6.30       | 81.70                | 9,602.59      | 27.09                                            | 806.01        | 23.15            | 94.00        | 79.67         | 0.49              |  |  |
| 9,750.00                                      | 6.30       | 82.00                | 9,698.01      | 28.58                                            | 816.44        | 24.59            | 96.00        | 81.85         | 0.03              |  |  |
| 9,843.00                                      | 5.70       | 83.20                | 9,790.50      | 29.84                                            | 826.07        | 25.80            | 93.00        | 82.57         | 0.66              |  |  |
| 9,938.00                                      | 4.40       | 84.40                | 9,885.13      | 30.75                                            | 834.39        | 26.67            | 95.00        | 83.72         | 1.37              |  |  |
| 9,982.00                                      | 4.00       | 84.60                | 9,929.01      | 31.06                                            | 837.59        | 26.97            | 44.00        | 84.50         | 0.91              |  |  |

| Company: XTO Energy |                                      | Local Co-ordinate Reference: |                                   |            |            |               |           |            |                |
|---------------------|--------------------------------------|------------------------------|-----------------------------------|------------|------------|---------------|-----------|------------|----------------|
| Project:            | Eddy County, NM (Nad-27 / East Zone) | TVD Reference:               | RKB = 26' @ 3191.00usft (PAT 225) |            |            |               |           |            |                |
| Site:               | Muy Wayno 18 Federal                 | MD Reference:                | RKB = 26' @ 3191.00usft (PAT 225) |            |            |               |           |            |                |
| Well:               | #104H                                | North Reference:             | Grid                              |            |            |               |           |            |                |
| Wellbore:           | OH                                   | Survey Calculation Method:   | Minimum Curvature                 |            |            |               |           |            |                |
| Design:             | OH                                   | Database:                    | WBDS_SQL_2                        |            |            |               |           |            |                |
| Survey              |                                      |                              |                                   |            |            |               |           |            |                |
| MD (usft)           | Inc (°)                              | Azi (azimuth) (°)            | TVD (usft)                        | N/S (usft) | E/W (usft) | V. Sec (usft) | CL (usft) | CL Azi (°) | DLeg (°/100ft) |
| 10,050.00           | 3.60                                 | 84.30                        | 9,996.86                          | 31.50      | 842.08     | 27.38         | 68.00     | 84.46      | 0.59           |
| 10,144.00           | 7.30                                 | 59.00                        | 10,090.43                         | 34.87      | 850.14     | 30.71         | 94.00     | 67.30      | 4.60           |
| 10,191.00           | 11.10                                | 50.40                        | 10,136.82                         | 39.29      | 856.19     | 35.11         | 47.00     | 53.82      | 8.58           |
| 10,239.00           | 15.10                                | 45.80                        | 10,183.57                         | 46.60      | 864.23     | 42.37         | 48.00     | 47.75      | 8.61           |
| 10,286.00           | 20.30                                | 39.50                        | 10,228.33                         | 57.16      | 873.81     | 52.89         | 47.00     | 42.20      | 11.78          |
| 10,333.00           | 24.10                                | 37.20                        | 10,271.84                         | 71.10      | 884.81     | 66.78         | 47.00     | 38.26      | 8.29           |
| 10,380.00           | 27.20                                | 33.80                        | 10,314.20                         | 87.68      | 896.59     | 83.30         | 47.00     | 35.40      | 7.30           |
| 10,428.00           | 29.00                                | 30.40                        | 10,356.55                         | 106.83     | 908.58     | 102.39        | 48.00     | 32.05      | 5.02           |
| 10,475.00           | 31.60                                | 21.90                        | 10,397.14                         | 128.10     | 918.94     | 123.61        | 47.00     | 25.98      | 10.66          |
| 10,522.00           | 35.00                                | 15.90                        | 10,436.43                         | 152.50     | 927.23     | 147.97        | 47.00     | 18.76      | 10.07          |
| 10,569.00           | 41.50                                | 13.00                        | 10,473.32                         | 180.67     | 934.44     | 176.10        | 47.00     | 14.35      | 14.34          |
| 10,617.00           | 47.40                                | 12.30                        | 10,507.57                         | 213.45     | 941.79     | 208.85        | 48.00     | 12.63      | 12.33          |
| 10,664.00           | 53.80                                | 13.20                        | 10,537.39                         | 248.86     | 949.81     | 244.21        | 47.00     | 12.77      | 13.70          |
| 10,711.00           | 59.20                                | 13.40                        | 10,563.32                         | 286.98     | 958.82     | 282.29        | 47.00     | 13.30      | 11.49          |
| 10,758.00           | 63.50                                | 13.90                        | 10,585.85                         | 327.05     | 968.56     | 322.32        | 47.00     | 13.66      | 9.20           |
| 10,805.00           | 68.60                                | 13.30                        | 10,604.92                         | 368.79     | 978.65     | 364.00        | 47.00     | 13.59      | 10.91          |
| 10,853.00           | 72.40                                | 13.20                        | 10,620.94                         | 412.82     | 989.02     | 407.98        | 48.00     | 13.25      | 7.92           |
| 10,900.00           | 76.60                                | 12.50                        | 10,633.50                         | 456.97     | 999.09     | 452.08        | 47.00     | 12.85      | 9.05           |
| 10,947.00           | 80.20                                | 12.00                        | 10,642.95                         | 501.95     | 1,008.85   | 497.02        | 47.00     | 12.25      | 7.73           |
| 10,994.00           | 84.00                                | 10.40                        | 10,649.41                         | 547.61     | 1,017.89   | 542.63        | 47.00     | 11.20      | 8.76           |
| 11,032.00           | 84.80                                | 8.90                         | 10,653.12                         | 584.89     | 1,024.23   | 579.88        | 38.00     | 9.65       | 4.46           |
| 11,131.00           | 86.68                                | 7.89                         | 10,660.47                         | 682.56     | 1,038.64   | 677.47        | 99.00     | 8.39       | 2.15           |
| 11,225.00           | 86.86                                | 4.73                         | 10,665.77                         | 775.83     | 1,048.95   | 770.69        | 94.00     | 6.31       | 3.36           |
| 11,320.00           | 88.35                                | 4.73                         | 10,669.74                         | 870.42     | 1,056.78   | 865.24        | 95.00     | 4.73       | 1.57           |
| 11,415.00           | 91.30                                | 3.32                         | 10,670.03                         | 965.17     | 1,063.45   | 959.96        | 95.00     | 4.02       | 3.44           |
| 11,508.00           | 91.21                                | 3.32                         | 10,667.99                         | 1,057.99   | 1,068.83   | 1,052.76      | 93.00     | 3.32       | 0.10           |
| 11,602.00           | 90.86                                | 3.41                         | 10,666.29                         | 1,151.82   | 1,074.35   | 1,146.55      | 94.00     | 3.37       | 0.38           |



## Wellbenders

### End Of Well Report



| Company: XTO Energy                           |            |                      |               | Local Co-ordinate Reference: |               |                  |              |               |                   | Well #104H                        |  |
|-----------------------------------------------|------------|----------------------|---------------|------------------------------|---------------|------------------|--------------|---------------|-------------------|-----------------------------------|--|
| Project: Eddy County, NM (Nad-27 / East Zone) |            |                      |               | TVD Reference:               |               |                  |              |               |                   | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Site: Muy Wayno 18 Federal                    |            |                      |               | MD Reference:                |               |                  |              |               |                   | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Well: #104H                                   |            |                      |               | North Reference:             |               |                  |              |               |                   | Grid                              |  |
| Wellbore: OH                                  |            |                      |               | Survey Calculation Method:   |               |                  |              |               |                   | Minimum Curvature                 |  |
| Design: OH                                    |            |                      |               | Database:                    |               |                  |              |               |                   | WBDS_SQL_2                        |  |
| Survey                                        |            |                      |               |                              |               |                  |              |               |                   |                                   |  |
| MD<br>(usft)                                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft)                | E/W<br>(usft) | V. Sec<br>(usft) | CL<br>(usft) | CL Azi<br>(°) | DLeg<br>(°/100ft) |                                   |  |
| 11,696.00                                     | 91.08      | 3.06                 | 10,664.70     | 1,245.65                     | 1,079.65      | 1,240.36         | 94.00        | 3.24          | 0.44              |                                   |  |
| 11,790.00                                     | 90.51      | 2.18                 | 10,663.40     | 1,339.54                     | 1,083.95      | 1,334.23         | 94.00        | 2.62          | 1.12              |                                   |  |
| 11,884.00                                     | 88.48      | 1.39                 | 10,664.23     | 1,433.49                     | 1,086.88      | 1,428.16         | 94.00        | 1.79          | 2.32              |                                   |  |
| 11,978.00                                     | 90.68      | 1.13                 | 10,664.92     | 1,527.46                     | 1,088.94      | 1,522.12         | 94.00        | 1.26          | 2.36              |                                   |  |
| 12,072.00                                     | 89.36      | 0.86                 | 10,664.88     | 1,621.44                     | 1,090.58      | 1,616.09         | 94.00        | 0.99          | 1.43              |                                   |  |
| 12,166.00                                     | 91.08      | 0.60                 | 10,664.52     | 1,715.43                     | 1,091.77      | 1,710.07         | 94.00        | 0.73          | 1.85              |                                   |  |
| 12,261.00                                     | 89.23      | 359.63               | 10,664.27     | 1,810.42                     | 1,091.97      | 1,805.07         | 95.00        | 0.11          | 2.20              |                                   |  |
| 12,355.00                                     | 92.97      | 0.86                 | 10,662.46     | 1,904.39                     | 1,092.37      | 1,899.03         | 94.00        | 0.24          | 4.19              |                                   |  |
| 12,449.00                                     | 93.36      | 1.04                 | 10,657.27     | 1,998.23                     | 1,093.92      | 1,992.86         | 94.00        | 0.95          | 0.46              |                                   |  |
| 12,543.00                                     | 93.58      | 1.04                 | 10,651.58     | 2,092.04                     | 1,095.63      | 2,086.66         | 94.00        | 1.04          | 0.23              |                                   |  |
| 12,637.00                                     | 90.02      | 0.16                 | 10,648.63     | 2,185.97                     | 1,096.61      | 2,180.59         | 94.00        | 0.60          | 3.90              |                                   |  |
| 12,732.00                                     | 91.21      | 1.39                 | 10,647.61     | 2,280.96                     | 1,097.89      | 2,275.56         | 95.00        | 0.77          | 1.80              |                                   |  |
| 12,826.00                                     | 91.69      | 1.30                 | 10,645.23     | 2,374.90                     | 1,100.10      | 2,369.50         | 94.00        | 1.35          | 0.52              |                                   |  |
| 12,921.00                                     | 91.12      | 359.81               | 10,642.90     | 2,469.86                     | 1,101.02      | 2,464.45         | 95.00        | 0.55          | 1.68              |                                   |  |
| 13,015.00                                     | 92.22      | 359.89               | 10,640.16     | 2,563.82                     | 1,100.77      | 2,558.41         | 94.00        | 359.85        | 1.17              |                                   |  |
| 13,110.00                                     | 94.02      | 0.86                 | 10,634.99     | 2,658.68                     | 1,101.39      | 2,653.26         | 95.00        | 0.37          | 2.15              |                                   |  |
| 13,204.00                                     | 90.55      | 0.60                 | 10,631.25     | 2,752.58                     | 1,102.59      | 2,747.16         | 94.00        | 0.73          | 3.70              |                                   |  |
| 13,298.00                                     | 89.63      | 359.89               | 10,631.10     | 2,846.58                     | 1,102.99      | 2,841.15         | 94.00        | 0.24          | 1.24              |                                   |  |
| 13,393.00                                     | 92.97      | 1.65                 | 10,628.94     | 2,941.53                     | 1,104.27      | 2,936.09         | 95.00        | 0.77          | 3.97              |                                   |  |
| 13,487.00                                     | 89.80      | 0.42                 | 10,626.67     | 3,035.47                     | 1,105.96      | 3,030.03         | 94.00        | 1.03          | 3.62              |                                   |  |
| 13,580.00                                     | 91.08      | 1.74                 | 10,625.96     | 3,128.45                     | 1,107.72      | 3,123.00         | 93.00        | 1.08          | 1.98              |                                   |  |
| 13,674.00                                     | 90.55      | 3.41                 | 10,624.62     | 3,222.34                     | 1,111.94      | 3,216.87         | 94.00        | 2.58          | 1.86              |                                   |  |
| 13,768.00                                     | 84.92      | 1.56                 | 10,628.33     | 3,316.13                     | 1,116.01      | 3,310.64         | 94.00        | 2.49          | 6.30              |                                   |  |
| 13,862.00                                     | 83.74      | 0.60                 | 10,637.62     | 3,409.65                     | 1,117.78      | 3,404.15         | 94.00        | 1.08          | 1.62              |                                   |  |
| 13,956.00                                     | 86.90      | 359.46               | 10,645.29     | 3,503.33                     | 1,117.82      | 3,497.82         | 94.00        | 0.03          | 3.57              |                                   |  |
| 14,050.00                                     | 89.93      | 358.84               | 10,647.89     | 3,597.27                     | 1,116.43      | 3,591.77         | 94.00        | 359.15        | 3.29              |                                   |  |
| 14,143.00                                     | 87.60      | 357.87               | 10,649.89     | 3,690.20                     | 1,113.76      | 3,684.72         | 93.00        | 358.36        | 2.71              |                                   |  |



| Company: XTO Energy                           |         | Local Co-ordinate Reference: |            |            |            |               |           |            | Well #104H                        |  |
|-----------------------------------------------|---------|------------------------------|------------|------------|------------|---------------|-----------|------------|-----------------------------------|--|
| Project: Eddy County, NM (Nad-27 / East Zone) |         | TVD Reference:               |            |            |            |               |           |            | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Site: Muy Wayno 18 Federal                    |         | MD Reference:                |            |            |            |               |           |            | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Well: #104H                                   |         | North Reference:             |            |            |            |               |           |            | Grid                              |  |
| Wellbore: OH                                  |         | Survey Calculation Method:   |            |            |            |               |           |            | Minimum Curvature                 |  |
| Design: OH                                    |         | Database:                    |            |            |            |               |           |            | WBDS_SQL_2                        |  |
| Survey                                        |         |                              |            |            |            |               |           |            |                                   |  |
| MD (usft)                                     | Inc (°) | Azi (azimuth) (°)            | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | CL (usft) | CL Azi (°) | DLeg (°/100ft)                    |  |
| 14,237.00                                     | 90.33   | 358.75                       | 10,651.59  | 3,784.14   | 1,110.99   | 3,778.66      | 94.00     | 358.31     | 3.05                              |  |
| 14,331.00                                     | 90.15   | 358.14                       | 10,651.20  | 3,878.10   | 1,108.44   | 3,872.64      | 94.00     | 358.44     | 0.68                              |  |
| 14,425.00                                     | 90.33   | 358.05                       | 10,650.80  | 3,972.05   | 1,105.31   | 3,966.60      | 94.00     | 358.10     | 0.21                              |  |
| 14,520.00                                     | 90.33   | 357.79                       | 10,650.26  | 4,066.98   | 1,101.86   | 4,061.55      | 95.00     | 357.92     | 0.27                              |  |
| 14,614.00                                     | 89.14   | 357.26                       | 10,650.69  | 4,160.89   | 1,097.81   | 4,155.48      | 94.00     | 357.53     | 1.39                              |  |
| 14,708.00                                     | 89.45   | 357.26                       | 10,651.85  | 4,254.78   | 1,093.31   | 4,249.38      | 94.00     | 357.26     | 0.33                              |  |
| 14,802.00                                     | 88.44   | 356.73                       | 10,653.58  | 4,348.63   | 1,088.39   | 4,343.26      | 94.00     | 357.00     | 1.21                              |  |
| 14,896.00                                     | 88.66   | 357.52                       | 10,655.96  | 4,442.48   | 1,083.67   | 4,437.13      | 94.00     | 357.13     | 0.87                              |  |
| 14,989.00                                     | 90.73   | 0.60                         | 10,656.45  | 4,535.45   | 1,082.15   | 4,530.11      | 93.00     | 359.06     | 3.99                              |  |
| 15,083.00                                     | 91.38   | 0.33                         | 10,654.72  | 4,629.43   | 1,082.91   | 4,624.09      | 94.00     | 0.47       | 0.75                              |  |
| 15,177.00                                     | 91.74   | 359.98                       | 10,652.16  | 4,723.40   | 1,083.16   | 4,718.05      | 94.00     | 0.16       | 0.53                              |  |
| 15,271.00                                     | 90.33   | 0.33                         | 10,650.46  | 4,817.38   | 1,083.42   | 4,812.03      | 94.00     | 0.16       | 1.55                              |  |
| 15,364.00                                     | 89.45   | 0.42                         | 10,650.64  | 4,910.38   | 1,084.03   | 4,905.02      | 93.00     | 0.37       | 0.95                              |  |
| 15,458.00                                     | 88.75   | 0.69                         | 10,652.12  | 5,004.36   | 1,084.94   | 4,999.00      | 94.00     | 0.55       | 0.80                              |  |
| 15,552.00                                     | 87.96   | 1.56                         | 10,654.82  | 5,098.30   | 1,086.78   | 5,092.93      | 94.00     | 1.12       | 1.25                              |  |
| 15,646.00                                     | 87.38   | 2.18                         | 10,658.64  | 5,192.17   | 1,089.85   | 5,186.78      | 94.00     | 1.87       | 0.90                              |  |
| 15,741.00                                     | 86.07   | 2.00                         | 10,664.07  | 5,286.95   | 1,093.31   | 5,281.55      | 95.00     | 2.09       | 1.39                              |  |
| 15,835.00                                     | 86.55   | 1.04                         | 10,670.12  | 5,380.72   | 1,095.79   | 5,375.30      | 94.00     | 1.52       | 1.14                              |  |
| 15,929.00                                     | 88.53   | 357.87                       | 10,674.15  | 5,474.61   | 1,094.90   | 5,469.20      | 94.00     | 359.45     | 3.97                              |  |
| 16,024.00                                     | 89.23   | 356.73                       | 10,676.01  | 5,569.49   | 1,090.42   | 5,564.09      | 95.00     | 357.30     | 1.41                              |  |
| 16,117.00                                     | 92.70   | 357.17                       | 10,674.44  | 5,662.33   | 1,085.48   | 5,656.96      | 93.00     | 356.95     | 3.76                              |  |
| 16,212.00                                     | 91.78   | 356.47                       | 10,670.73  | 5,757.11   | 1,080.21   | 5,751.76      | 95.00     | 356.82     | 1.22                              |  |
| 16,307.00                                     | 91.43   | 356.03                       | 10,668.07  | 5,851.87   | 1,074.00   | 5,846.55      | 95.00     | 356.25     | 0.59                              |  |
| 16,401.00                                     | 92.09   | 358.14                       | 10,665.18  | 5,945.70   | 1,069.22   | 5,940.40      | 94.00     | 357.08     | 2.35                              |  |
| 16,495.00                                     | 91.74   | 358.31                       | 10,662.04  | 6,039.60   | 1,066.31   | 6,034.32      | 94.00     | 358.23     | 0.41                              |  |
| 16,590.00                                     | 91.56   | 358.66                       | 10,659.30  | 6,134.53   | 1,063.80   | 6,129.25      | 95.00     | 358.49     | 0.41                              |  |
| 16,683.00                                     | 90.33   | 357.61                       | 10,657.77  | 6,227.46   | 1,060.78   | 6,222.20      | 93.00     | 358.13     | 1.74                              |  |

| Company: XTO Energy                                                                                                                                                                              |            |                      |               | Local Co-ordinate Reference: |               |                  |              |               |                   | Well #104H                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------|------------------------------|---------------|------------------|--------------|---------------|-------------------|-----------------------------------|--|
| Project: Eddy County, NM (Nad-27 / East Zone)                                                                                                                                                    |            |                      |               | TVD Reference:               |               |                  |              |               |                   | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Site: Muy Wayno 18 Federal                                                                                                                                                                       |            |                      |               | MD Reference:                |               |                  |              |               |                   | RKB = 26' @ 3191.00usft (PAT 225) |  |
| Well: #104H                                                                                                                                                                                      |            |                      |               | North Reference:             |               |                  |              |               |                   | Grid                              |  |
| Wellbore: OH                                                                                                                                                                                     |            |                      |               | Survey Calculation Method:   |               |                  |              |               |                   | Minimum Curvature                 |  |
| Design: OH                                                                                                                                                                                       |            |                      |               | Database:                    |               |                  |              |               |                   | WBDS_SQL_2                        |  |
| Survey                                                                                                                                                                                           |            |                      |               |                              |               |                  |              |               |                   |                                   |  |
| MD<br>(usft)                                                                                                                                                                                     | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft)                | E/W<br>(usft) | V. Sec<br>(usft) | CL<br>(usft) | CL Azi<br>(°) | DLeg<br>(°/100ft) |                                   |  |
| 16,778.00                                                                                                                                                                                        | 88.70      | 356.99               | 10,658.58     | 6,322.35                     | 1,056.30      | 6,317.11         | 95.00        | 357.30        | 1.84              |                                   |  |
| 16,872.00                                                                                                                                                                                        | 91.74      | 358.31               | 10,658.21     | 6,416.26                     | 1,052.45      | 6,411.04         | 94.00        | 357.65        | 3.53              |                                   |  |
| 16,966.00                                                                                                                                                                                        | 92.48      | 359.89               | 10,654.75     | 6,510.18                     | 1,050.97      | 6,504.96         | 94.00        | 359.10        | 1.86              |                                   |  |
| 17,060.00                                                                                                                                                                                        | 91.96      | 0.07                 | 10,651.11     | 6,604.11                     | 1,050.94      | 6,598.89         | 94.00        | 359.98        | 0.59              |                                   |  |
| 17,155.00                                                                                                                                                                                        | 91.56      | 359.72               | 10,648.19     | 6,699.06                     | 1,050.76      | 6,693.85         | 95.00        | 359.89        | 0.56              |                                   |  |
| 17,249.00                                                                                                                                                                                        | 91.56      | 359.89               | 10,645.64     | 6,793.03                     | 1,050.44      | 6,787.81         | 94.00        | 359.80        | 0.18              |                                   |  |
| 17,343.00                                                                                                                                                                                        | 90.55      | 0.86                 | 10,643.90     | 6,887.00                     | 1,051.06      | 6,881.79         | 94.00        | 0.38          | 1.49              |                                   |  |
| 17,437.00                                                                                                                                                                                        | 91.21      | 2.53                 | 10,642.46     | 6,980.95                     | 1,053.84      | 6,975.72         | 94.00        | 1.69          | 1.91              |                                   |  |
| 17,531.00                                                                                                                                                                                        | 89.14      | 2.00                 | 10,642.17     | 7,074.87                     | 1,057.55      | 7,069.62         | 94.00        | 2.26          | 2.27              |                                   |  |
| 17,626.00                                                                                                                                                                                        | 88.04      | 1.04                 | 10,644.51     | 7,169.80                     | 1,060.07      | 7,164.54         | 95.00        | 1.52          | 1.54              |                                   |  |
| 17,719.00                                                                                                                                                                                        | 87.82      | 359.89               | 10,647.87     | 7,262.74                     | 1,060.83      | 7,257.47         | 93.00        | 0.47          | 1.26              |                                   |  |
| 17,814.00                                                                                                                                                                                        | 87.16      | 359.63               | 10,652.03     | 7,357.65                     | 1,060.43      | 7,352.38         | 95.00        | 359.76        | 0.75              |                                   |  |
| 17,907.00                                                                                                                                                                                        | 87.47      | 358.84               | 10,656.39     | 7,450.54                     | 1,059.19      | 7,445.27         | 93.00        | 359.23        | 0.91              |                                   |  |
| 18,001.00                                                                                                                                                                                        | 87.96      | 357.61               | 10,660.14     | 7,544.41                     | 1,056.28      | 7,539.16         | 94.00        | 358.22        | 1.41              |                                   |  |
| 18,095.00                                                                                                                                                                                        | 87.34      | 357.17               | 10,663.99     | 7,638.24                     | 1,052.00      | 7,633.00         | 94.00        | 357.39        | 0.81              |                                   |  |
| 18,190.00                                                                                                                                                                                        | 85.45      | 356.38               | 10,669.96     | 7,732.89                     | 1,046.67      | 7,727.69         | 95.00        | 356.78        | 2.16              |                                   |  |
| 18,284.00                                                                                                                                                                                        | 86.37      | 356.38               | 10,676.67     | 7,826.47                     | 1,040.75      | 7,821.29         | 94.00        | 356.38        | 0.98              |                                   |  |
| 18,378.00                                                                                                                                                                                        | 85.89      | 356.55               | 10,683.01     | 7,920.07                     | 1,034.97      | 7,914.92         | 94.00        | 356.46        | 0.54              |                                   |  |
| 18,472.00                                                                                                                                                                                        | 84.75      | 355.50               | 10,690.68     | 8,013.53                     | 1,028.48      | 8,008.41         | 94.00        | 356.03        | 1.65              |                                   |  |
| 18,530.00                                                                                                                                                                                        | 85.58      | 356.03               | 10,695.57     | 8,071.17                     | 1,024.21      | 8,066.06         | 58.00        | 355.77        | 1.70              |                                   |  |
| 18,583.00                                                                                                                                                                                        | 85.58      | 356.03               | 10,699.65     | 8,123.88                     | 1,020.55      | 8,118.80         | 53.00        | 356.03        | 0.00              |                                   |  |
| Final Station Closure Distance= 8187.73 /Direction= 7.16 - Projection to Bit: 18583.00' MD/ 10699.65' TVD - TD: Latitude = 32.151372 / Longitude = -103.921629 - TD: Y= 419034.18 / X= 627416.55 |            |                      |               |                              |               |                  |              |               |                   |                                   |  |



|                            |                                      |                                     |                                   |            |
|----------------------------|--------------------------------------|-------------------------------------|-----------------------------------|------------|
| <b>Company:</b> XTO Energy |                                      | <b>Local Co-ordinate Reference:</b> |                                   | Well #104H |
| <b>Project:</b>            | Eddy County, NM (Nad-27 / East Zone) | <b>TVD Reference:</b>               | RKB = 26' @ 3191.00usft (PAT 225) |            |
| <b>Site:</b>               | Muy Wayno 18 Federal                 | <b>MD Reference:</b>                | RKB = 26' @ 3191.00usft (PAT 225) |            |
| <b>Well:</b>               | #104H                                | <b>North Reference:</b>             | Grid                              |            |
| <b>Wellbore:</b>           | OH                                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |            |
| <b>Design:</b>             | OH                                   | <b>Database:</b>                    | WBDS_SQL_2                        |            |

| Design Annotations    |                       |                   |              |                                                           |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                                           |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                                                   |
| 18,583.00             | 10,699.65             | 8,123.88          | 1,020.55     | Final Station Closure Distance= 8187.73 / Direction= 7.16 |
| 18,583.00             | 10,699.65             | 8,123.88          | 1,020.55     | Projection to Bit: 18583.00' MD/ 10699.65' TVD            |
| 18,583.00             | 10,699.65             | 8,123.88          | 1,020.55     | TD: Latitude = 32.151372 / Longitude = -103.921629        |
| 18,583.00             | 10,699.65             | 8,123.88          | 1,020.55     | TD: Y= 419034.18 / X= 627416.55                           |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|