

# TITUS

OIL GAS LLC

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DISTRICT II-ARTESIA O.C.D.

## Titus Oil & Gas Production, LLC

Eddy County, NM (NAD83-NME)

A01 Todd DSU

Todd 2-24S-31E State 202H - Slot 202H

202H

Plan: Plan #1-Rev0

## Standard Planning Report

31 May, 2019

|           |                                 |                              |                                                   |
|-----------|---------------------------------|------------------------------|---------------------------------------------------|
| Database: | EDM 5000.14 Single User Db      | Local Co-ordinate Reference: | Well Todd 2-24S-31E State 202H (202H) - Slot 202H |
| Company:  | Titus Oil & Gas Production, LLC | TVD Reference:               | 3507+25 @ 3532.00usft (KB=25)                     |
| Project:  | Eddy County, NM (NAD83-NME)     | MD Reference:                | 3507+25 @ 3532.00usft (KB=25)                     |
| Site:     | A01 Todd DSU                    | North Reference:             | Grid                                              |
| Well:     | Todd 2-24S-31E State 202H       | Survey Calculation Method:   | Minimum Curvature                                 |
| Wellbore: | 202H                            |                              |                                                   |
| Design:   | Plan #1-Rev0                    |                              |                                                   |

|             |                             |               |                |
|-------------|-----------------------------|---------------|----------------|
| Project     | Eddy County, NM (NAD83-NME) |               |                |
| Map System: | US State Plane 1983         | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983   |               |                |
| Map Zone:   | New Mexico Eastern Zone     |               |                |

|                       |           |              |                 |                   |               |
|-----------------------|-----------|--------------|-----------------|-------------------|---------------|
| Site                  |           | A01 Todd DSU |                 |                   |               |
| Site Position:        |           | Northing:    | 451,484.10 usft | Latitude:         | 32.23985324   |
| From:                 | Map       | Easting:     | 722,093.00 usft | Longitude:        | -103.74870598 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.31          |

|                      |                                       |           |                     |                 |               |               |
|----------------------|---------------------------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | Todd 2-24S-31E State 202H - Slot 202H |           |                     |                 |               |               |
| Well Position        | +N/-S                                 | 0.20 usft | Northing:           | 451,484.30 usft | Latitude:     | 32.23985378   |
|                      | +E/-W                                 | 0.90 usft | Easting:            | 722,093.90 usft | Longitude:    | -103.74870307 |
| Position Uncertainty |                                       | 0.00 usft | Wellhead Elevation: |                 | Ground Level: | 3,507.00 usft |

| Wellbore  | 202H       |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF2015   | 5/30/2019   | 6.83            | 60.02         | 47,727.87980790     |

|                   |                         |              |               |               |
|-------------------|-------------------------|--------------|---------------|---------------|
| Design            | Plan #1-Rev0            |              |               |               |
| Audit Notes:      |                         |              |               |               |
| Version:          | Phase:                  | PLAN         | Tie On Depth: | 0.00          |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft)  | Direction (°) |
|                   | 0.00                    | 0.00         | 0.00          | 351.38        |

| Plan Survey Tool Program |                    | Date              | 5/31/2019           |         |  |
|--------------------------|--------------------|-------------------|---------------------|---------|--|
| Depth From<br>(usft)     | Depth To<br>(usft) | Survey (Wellbore) | Tool Name           | Remarks |  |
| 1                        | 0.00               | 15,220.26         | Plan #1-Rev0 (202H) | MWD     |  |
|                          |                    |                   | MWD - Standard      |         |  |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 1,889.67              | 5.85            | 254.18      | 1,888.99              | -5.41        | -19.11       | 1.50                    | 1.50                   | 0.00                  | 254.18  |                    |
| 9,037.85              | 5.85            | 254.18      | 9,000.01              | -203.85      | -719.49      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 9,427.51              | 0.00            | 0.00        | 9,389.00              | -209.26      | -738.60      | 1.50                    | -1.50                  | 0.00                  | 180.00  | A01N01-EON (202H)  |
| 9,727.61              | 0.00            | 0.00        | 9,689.10              | -209.26      | -738.60      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 10,481.78             | 90.50           | 359.77      | 10,166.55             | 272.37       | -740.55      | 12.00                   | 12.00                  | -0.03                 | 359.77  |                    |
| 15,221.13             | 90.50           | 359.77      | 10,125.18             | 5,011.50     | -759.70      | 0.00                    | 0.00                   | 0.00                  | 0.00    | A01N01-PBHL (202H) |

|           |                                 |                              |                                                   |
|-----------|---------------------------------|------------------------------|---------------------------------------------------|
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| Company:  | Titus Oil & Gas Production, LLC | TVD Reference:               | 3507+25 @ 3532.00usft (KB=25)                     |
| Project:  | Eddy County, NM (NAD83-NME)     | MD Reference:                | 3507+25 @ 3532.00usft (KB=25)                     |
| Site:     | A01 Todd DSU                    | North Reference:             | Grid                                              |
| Well:     | Todd 2-24S-31E State 202H       | Survey Calculation Method:   | Minimum Curvature                                 |
| Wellbore: | 202H                            |                              |                                                   |
| Design:   | Plan #1-Rev0                    |                              |                                                   |

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 100.00                | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 200.00                | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 300.00                | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 400.00                | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 500.00                | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 600.00                | 0.00            | 0.00        | 600.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 700.00                | 0.00            | 0.00        | 700.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 800.00                | 0.00            | 0.00        | 800.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 900.00                | 0.00            | 0.00        | 900.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00              | 0.00            | 0.00        | 1,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00              | 0.00            | 0.00        | 1,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00              | 0.00            | 0.00        | 1,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00              | 0.00            | 0.00        | 1,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00              | 0.00            | 0.00        | 1,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00              | 1.50            | 254.18      | 1,599.99              | -0.36        | -1.26        | -0.16                   | 1.50                    | 1.50                   | 0.00                  |
| 1,700.00              | 3.00            | 254.18      | 1,699.91              | -1.43        | -5.04        | -0.66                   | 1.50                    | 1.50                   | 0.00                  |
| 1,800.00              | 4.50            | 254.18      | 1,799.69              | -3.21        | -11.33       | -1.48                   | 1.50                    | 1.50                   | 0.00                  |
| 1,889.67              | 5.85            | 254.18      | 1,888.99              | -5.41        | -19.11       | -2.49                   | 1.50                    | 1.50                   | 0.00                  |
| 1,900.00              | 5.85            | 254.18      | 1,899.27              | -5.70        | -20.12       | -2.62                   | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00              | 5.85            | 254.18      | 1,998.75              | -8.48        | -29.92       | -3.90                   | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00              | 5.85            | 254.18      | 2,098.23              | -11.25       | -39.72       | -5.17                   | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00              | 5.85            | 254.18      | 2,197.71              | -14.03       | -49.51       | -6.45                   | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00              | 5.85            | 254.18      | 2,297.19              | -16.80       | -59.31       | -7.72                   | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00              | 5.85            | 254.18      | 2,396.67              | -19.58       | -69.11       | -9.00                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00              | 5.85            | 254.18      | 2,496.15              | -22.36       | -78.91       | -10.28                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00              | 5.85            | 254.18      | 2,595.63              | -25.13       | -88.71       | -11.55                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00              | 5.85            | 254.18      | 2,695.11              | -27.91       | -98.50       | -12.83                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00              | 5.85            | 254.18      | 2,794.59              | -30.68       | -108.30      | -14.11                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00              | 5.85            | 254.18      | 2,894.07              | -33.46       | -118.10      | -15.38                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00              | 5.85            | 254.18      | 2,993.55              | -36.24       | -127.90      | -16.66                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00              | 5.85            | 254.18      | 3,093.03              | -39.01       | -137.70      | -17.93                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00              | 5.85            | 254.18      | 3,192.51              | -41.79       | -147.49      | -19.21                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00              | 5.85            | 254.18      | 3,291.99              | -44.56       | -157.29      | -20.49                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00              | 5.85            | 254.18      | 3,391.47              | -47.34       | -167.09      | -21.76                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00              | 5.85            | 254.18      | 3,490.95              | -50.12       | -176.89      | -23.04                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00              | 5.85            | 254.18      | 3,590.43              | -52.89       | -186.69      | -24.31                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00              | 5.85            | 254.18      | 3,689.91              | -55.67       | -196.49      | -25.59                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00              | 5.85            | 254.18      | 3,789.39              | -58.44       | -206.28      | -26.87                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00              | 5.85            | 254.18      | 3,888.87              | -61.22       | -216.08      | -28.14                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00              | 5.85            | 254.18      | 3,988.35              | -64.00       | -225.88      | -29.42                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00              | 5.85            | 254.18      | 4,087.83              | -66.77       | -235.68      | -30.69                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00              | 5.85            | 254.18      | 4,187.31              | -69.55       | -245.48      | -31.97                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00              | 5.85            | 254.18      | 4,286.79              | -72.32       | -255.27      | -33.25                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00              | 5.85            | 254.18      | 4,386.27              | -75.10       | -265.07      | -34.52                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00              | 5.85            | 254.18      | 4,485.75              | -77.88       | -274.87      | -35.80                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00              | 5.85            | 254.18      | 4,585.23              | -80.65       | -284.67      | -37.08                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00              | 5.85            | 254.18      | 4,684.71              | -83.43       | -294.47      | -38.35                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00              | 5.85            | 254.18      | 4,784.19              | -86.20       | -304.26      | -39.63                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00              | 5.85            | 254.18      | 4,883.67              | -88.98       | -314.06      | -40.90                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00              | 5.85            | 254.18      | 4,983.15              | -91.76       | -323.86      | -42.18                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00              | 5.85            | 254.18      | 5,082.63              | -94.53       | -333.66      | -43.46                  | 0.00                    | 0.00                   | 0.00                  |

|           |                                 |                              |                                                   |
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| Company:  | Titus Oil & Gas Production, LLC | TVD Reference:               | 3507+25 @ 3532.00usft (KB=25)                     |
| Project:  | Eddy County, NM (NAD83-NME)     | MD Reference:                | 3507+25 @ 3532.00usft (KB=25)                     |
| Site:     | A01 Todd DSU                    | North Reference:             | Grid                                              |
| Well:     | Todd 2-24S-31E State 202H       | Survey Calculation Method:   | Minimum Curvature                                 |
| Wellbore: | 202H                            |                              |                                                   |
| Design:   | Plan #1-Rev0                    |                              |                                                   |

### Planned Survey

| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,200.00                              | 5.85            | 254.18      | 5,182.11              | -97.31      | -343.46     | -44.73                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                              | 5.85            | 254.18      | 5,281.59              | -100.08     | -353.25     | -46.01                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                              | 5.85            | 254.18      | 5,381.07              | -102.86     | -363.05     | -47.28                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00                              | 5.85            | 254.18      | 5,480.55              | -105.64     | -372.85     | -48.56                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00                              | 5.85            | 254.18      | 5,580.03              | -108.41     | -382.65     | -49.84                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00                              | 5.85            | 254.18      | 5,679.51              | -111.19     | -392.45     | -51.11                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00                              | 5.85            | 254.18      | 5,778.99              | -113.96     | -402.25     | -52.39                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00                              | 5.85            | 254.18      | 5,878.47              | -116.74     | -412.04     | -53.66                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00                              | 5.85            | 254.18      | 5,977.96              | -119.52     | -421.84     | -54.94                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00                              | 5.85            | 254.18      | 6,077.44              | -122.29     | -431.64     | -56.22                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00                              | 5.85            | 254.18      | 6,176.92              | -125.07     | -441.44     | -57.49                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00                              | 5.85            | 254.18      | 6,276.40              | -127.84     | -451.24     | -58.77                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                              | 5.85            | 254.18      | 6,375.88              | -130.62     | -461.03     | -60.05                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00                              | 5.85            | 254.18      | 6,475.36              | -133.40     | -470.83     | -61.32                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                              | 5.85            | 254.18      | 6,574.84              | -136.17     | -480.63     | -62.60                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00                              | 5.85            | 254.18      | 6,674.32              | -138.95     | -490.43     | -63.87                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00                              | 5.85            | 254.18      | 6,773.80              | -141.72     | -500.23     | -65.15                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00                              | 5.85            | 254.18      | 6,873.28              | -144.50     | -510.02     | -66.43                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00                              | 5.85            | 254.18      | 6,972.76              | -147.28     | -519.82     | -67.70                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00                              | 5.85            | 254.18      | 7,072.24              | -150.05     | -529.62     | -68.98                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00                              | 5.85            | 254.18      | 7,171.72              | -152.83     | -539.42     | -70.25                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                              | 5.85            | 254.18      | 7,271.20              | -155.60     | -549.22     | -71.53                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00                              | 5.85            | 254.18      | 7,370.68              | -158.38     | -559.02     | -72.81                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                              | 5.85            | 254.18      | 7,470.16              | -161.16     | -568.81     | -74.08                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00                              | 5.85            | 254.18      | 7,569.64              | -163.93     | -578.61     | -75.36                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00                              | 5.85            | 254.18      | 7,669.12              | -166.71     | -588.41     | -76.63                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                              | 5.85            | 254.18      | 7,768.60              | -169.48     | -598.21     | -77.91                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                              | 5.85            | 254.18      | 7,868.08              | -172.26     | -608.01     | -79.19                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00                              | 5.85            | 254.18      | 7,967.56              | -175.04     | -617.80     | -80.46                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                              | 5.85            | 254.18      | 8,067.04              | -177.81     | -627.60     | -81.74                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00                              | 5.85            | 254.18      | 8,166.52              | -180.59     | -637.40     | -83.02                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00                              | 5.85            | 254.18      | 8,266.00              | -183.36     | -647.20     | -84.29                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00                              | 5.85            | 254.18      | 8,365.48              | -186.14     | -657.00     | -85.57                  | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00                              | 5.85            | 254.18      | 8,464.96              | -188.92     | -666.79     | -86.84                  | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00                              | 5.85            | 254.18      | 8,564.44              | -191.69     | -676.59     | -88.12                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00                              | 5.85            | 254.18      | 8,663.92              | -194.47     | -686.39     | -89.40                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                              | 5.85            | 254.18      | 8,763.40              | -197.24     | -696.19     | -90.67                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00                              | 5.85            | 254.18      | 8,862.88              | -200.02     | -705.99     | -91.95                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                              | 5.85            | 254.18      | 8,962.36              | -202.80     | -715.79     | -93.22                  | 0.00                    | 0.00                   | 0.00                  |
| 9,037.85                              | 5.85            | 254.18      | 9,000.01              | -203.85     | -719.49     | -93.71                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                              | 4.91            | 254.18      | 9,061.89              | -205.43     | -725.10     | -94.44                  | 1.50                    | -1.50                  | 0.00                  |
| 9,200.00                              | 3.41            | 254.18      | 9,161.62              | -207.41     | -732.08     | -95.35                  | 1.50                    | -1.50                  | 0.00                  |
| 9,300.00                              | 1.91            | 254.18      | 9,261.51              | -208.68     | -736.55     | -95.93                  | 1.50                    | -1.50                  | 0.00                  |
| 9,400.00                              | 0.41            | 254.18      | 9,361.49              | -209.23     | -738.50     | -96.18                  | 1.50                    | -1.50                  | 0.00                  |
| 9,427.51                              | 0.00            | 0.00        | 9,389.00              | -209.26     | -738.60     | -96.20                  | 1.50                    | -1.50                  | 0.00                  |
| <b>A01N01-EON (202H)</b>              |                 |             |                       |             |             |                         |                         |                        |                       |
| 9,500.00                              | 0.00            | 0.00        | 9,461.49              | -209.26     | -738.60     | -96.20                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                              | 0.00            | 0.00        | 9,561.49              | -209.26     | -738.60     | -96.20                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                              | 0.00            | 0.00        | 9,661.49              | -209.26     | -738.60     | -96.20                  | 0.00                    | 0.00                   | 0.00                  |
| 9,727.61                              | 0.00            | 0.00        | 9,689.10              | -209.26     | -738.60     | -96.20                  | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP: 9727.61' MD, 9689.10' TVD</b> |                 |             |                       |             |             |                         |                         |                        |                       |
| 9,750.00                              | 2.69            | 359.77      | 9,711.48              | -208.74     | -738.60     | -95.68                  | 12.00                   | 12.00                  | 0.00                  |
| 9,775.00                              | 5.69            | 359.77      | 9,736.41              | -206.91     | -738.61     | -93.87                  | 12.00                   | 12.00                  | 0.00                  |

|           |                                 |                              |                                                   |
|-----------|---------------------------------|------------------------------|---------------------------------------------------|
| Database: | EDM 5000.14 Single User Db      | Local Co-ordinate Reference: | Well Todd 2-24S-31E State 202H (202H) - Slot 202H |
| Company:  | Titus Oil & Gas Production, LLC | TVD Reference:               | 3507+25 @ 3532.00usft (KB=25)                     |
| Project:  | Eddy County, NM (NAD83-NME)     | MD Reference:                | 3507+25 @ 3532.00usft (KB=25)                     |
| Site:     | A01 Todd DSU                    | North Reference:             | Grid                                              |
| Well:     | Todd 2-24S-31E State 202H       | Survey Calculation Method:   | Minimum Curvature                                 |
| Wellbore: | 202H                            |                              |                                                   |
| Design:   | Plan #1-Rev0                    |                              |                                                   |

| Planned Survey                   |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,800.00                         | 8.69            | 359.77      | 9,761.21              | -203.78      | -738.62      | -90.78                  | 12.00                   | 12.00                  | 0.00                  |
| 9,825.00                         | 11.69           | 359.77      | 9,785.81              | -199.36      | -738.64      | -86.40                  | 12.00                   | 12.00                  | 0.00                  |
| 9,850.00                         | 14.69           | 359.77      | 9,810.15              | -193.66      | -738.66      | -80.76                  | 12.00                   | 12.00                  | 0.00                  |
| 9,875.00                         | 17.69           | 359.77      | 9,834.16              | -186.69      | -738.69      | -73.87                  | 12.00                   | 12.00                  | 0.00                  |
| 9,900.00                         | 20.69           | 359.77      | 9,857.77              | -178.48      | -738.72      | -65.74                  | 12.00                   | 12.00                  | 0.00                  |
| 9,925.00                         | 23.69           | 359.77      | 9,880.91              | -169.04      | -738.76      | -56.40                  | 12.00                   | 12.00                  | 0.00                  |
| 9,950.00                         | 26.69           | 359.77      | 9,903.53              | -158.40      | -738.81      | -45.88                  | 12.00                   | 12.00                  | 0.00                  |
| 9,975.00                         | 29.69           | 359.77      | 9,925.57              | -146.59      | -738.85      | -34.20                  | 12.00                   | 12.00                  | 0.00                  |
| 10,000.00                        | 32.69           | 359.77      | 9,946.95              | -133.65      | -738.91      | -21.39                  | 12.00                   | 12.00                  | 0.00                  |
| 10,025.00                        | 35.69           | 359.77      | 9,967.63              | -119.60      | -738.96      | -7.50                   | 12.00                   | 12.00                  | 0.00                  |
| 10,050.00                        | 38.69           | 359.77      | 9,987.54              | -104.50      | -739.02      | 7.45                    | 12.00                   | 12.00                  | 0.00                  |
| 10,075.00                        | 41.69           | 359.77      | 10,006.64             | -88.37       | -739.09      | 23.41                   | 12.00                   | 12.00                  | 0.00                  |
| 10,100.00                        | 44.69           | 359.77      | 10,024.87             | -71.26       | -739.16      | 40.33                   | 12.00                   | 12.00                  | 0.00                  |
| 10,125.00                        | 47.69           | 359.77      | 10,042.17             | -53.22       | -739.23      | 58.18                   | 12.00                   | 12.00                  | 0.00                  |
| 10,128.26                        | 48.08           | 359.77      | 10,044.36             | -50.80       | -739.24      | 60.57                   | 12.00                   | 12.00                  | 0.00                  |
| A01N01-FTP (202H)                |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,150.00                        | 50.69           | 359.77      | 10,058.51             | -34.30       | -739.31      | 76.89                   | 12.00                   | 12.00                  | 0.00                  |
| 10,175.00                        | 53.69           | 359.77      | 10,073.83             | -14.55       | -739.39      | 96.43                   | 12.00                   | 12.00                  | 0.00                  |
| 10,200.00                        | 56.69           | 359.77      | 10,088.11             | 5.97         | -739.47      | 116.73                  | 12.00                   | 12.00                  | 0.00                  |
| 10,225.00                        | 59.69           | 359.77      | 10,101.28             | 27.21        | -739.56      | 137.75                  | 12.00                   | 12.00                  | 0.00                  |
| 10,250.00                        | 62.69           | 359.77      | 10,113.33             | 49.11        | -739.64      | 159.41                  | 12.00                   | 12.00                  | 0.00                  |
| 10,275.00                        | 65.69           | 359.77      | 10,124.22             | 71.61        | -739.74      | 181.68                  | 12.00                   | 12.00                  | 0.00                  |
| 10,300.00                        | 68.69           | 359.77      | 10,133.91             | 94.66        | -739.83      | 204.47                  | 12.00                   | 12.00                  | 0.00                  |
| 10,325.00                        | 71.69           | 359.77      | 10,142.38             | 118.17       | -739.92      | 227.74                  | 12.00                   | 12.00                  | 0.00                  |
| 10,350.00                        | 74.69           | 359.77      | 10,149.61             | 142.10       | -740.02      | 251.41                  | 12.00                   | 12.00                  | 0.00                  |
| 10,375.00                        | 77.69           | 359.77      | 10,155.58             | 166.38       | -740.12      | 275.42                  | 12.00                   | 12.00                  | 0.00                  |
| 10,400.00                        | 80.69           | 359.77      | 10,160.27             | 190.93       | -740.22      | 299.72                  | 12.00                   | 12.00                  | 0.00                  |
| 10,425.00                        | 83.69           | 359.77      | 10,163.67             | 215.69       | -740.32      | 324.22                  | 12.00                   | 12.00                  | 0.00                  |
| 10,450.00                        | 86.69           | 359.77      | 10,165.77             | 240.60       | -740.42      | 348.86                  | 12.00                   | 12.00                  | 0.00                  |
| 10,475.00                        | 89.69           | 359.77      | 10,166.56             | 265.59       | -740.52      | 373.58                  | 12.00                   | 12.00                  | 0.00                  |
| 10,481.78                        | 90.50           | 359.77      | 10,166.55             | 272.37       | -740.55      | 380.28                  | 12.00                   | 12.00                  | 0.00                  |
| EOC: 10481.78' MD, 10166.55' TVD |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,500.00                        | 90.50           | 359.77      | 10,166.39             | 290.59       | -740.62      | 398.31                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00                        | 90.50           | 359.77      | 10,165.52             | 390.58       | -741.02      | 497.23                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00                        | 90.50           | 359.77      | 10,164.64             | 490.58       | -741.43      | 596.16                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00                        | 90.50           | 359.77      | 10,163.77             | 590.57       | -741.83      | 695.09                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00                        | 90.50           | 359.77      | 10,162.90             | 690.57       | -742.24      | 794.01                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00                        | 90.50           | 359.77      | 10,162.02             | 790.56       | -742.64      | 892.94                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00                        | 90.50           | 359.77      | 10,161.15             | 890.56       | -743.04      | 991.87                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00                        | 90.50           | 359.77      | 10,160.28             | 990.55       | -743.45      | 1,090.79                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00                        | 90.50           | 359.77      | 10,159.41             | 1,090.55     | -743.85      | 1,189.72                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00                        | 90.50           | 359.77      | 10,158.53             | 1,190.54     | -744.26      | 1,288.64                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                        | 90.50           | 359.77      | 10,157.66             | 1,290.54     | -744.66      | 1,387.57                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00                        | 90.50           | 359.77      | 10,156.79             | 1,390.53     | -745.07      | 1,486.50                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00                        | 90.50           | 359.77      | 10,155.91             | 1,490.53     | -745.47      | 1,585.42                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00                        | 90.50           | 359.77      | 10,155.04             | 1,590.53     | -745.87      | 1,684.35                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00                        | 90.50           | 359.77      | 10,154.17             | 1,690.52     | -746.28      | 1,783.28                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00                        | 90.50           | 359.77      | 10,153.30             | 1,790.52     | -746.68      | 1,882.20                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00                        | 90.50           | 359.77      | 10,152.42             | 1,890.51     | -747.09      | 1,981.13                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00                        | 90.50           | 359.77      | 10,151.55             | 1,990.51     | -747.49      | 2,080.06                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00                        | 90.50           | 359.77      | 10,150.68             | 2,090.50     | -747.89      | 2,178.98                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00                        | 90.50           | 359.77      | 10,149.80             | 2,190.50     | -748.30      | 2,277.91                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00                        | 90.50           | 359.77      | 10,148.93             | 2,290.49     | -748.70      | 2,376.84                | 0.00                    | 0.00                   | 0.00                  |

|                  |                                 |                                     |                                                   |
|------------------|---------------------------------|-------------------------------------|---------------------------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db      | <b>Local Co-ordinate Reference:</b> | Well Todd 2-24S-31E State 202H (202H) - Slot 202H |
| <b>Company:</b>  | Titus Oil & Gas Production, LLC | <b>TVD Reference:</b>               | 3507+25 @ 3532.00usft (KB=25)                     |
| <b>Project:</b>  | Eddy County, NM (NAD83-NME)     | <b>MD Reference:</b>                | 3507+25 @ 3532.00usft (KB=25)                     |
| <b>Site:</b>     | A01 Todd DSU                    | <b>North Reference:</b>             | Grid                                              |
| <b>Well:</b>     | Todd 2-24S-31E State 202H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Wellbore:</b> | 202H                            |                                     |                                                   |
| <b>Design:</b>   | Plan #1-Rev0                    |                                     |                                                   |

### Planned Survey

| Measured Depth (usft)                                       | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 12,600.00                                                   | 90.50           | 359.77      | 10,148.06             | 2,390.49     | -749.11      | 2,475.76                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00                                                   | 90.50           | 359.77      | 10,147.19             | 2,490.48     | -749.51      | 2,574.69                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00                                                   | 90.50           | 359.77      | 10,146.31             | 2,590.48     | -749.92      | 2,673.61                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00                                                   | 90.50           | 359.77      | 10,145.44             | 2,690.47     | -750.32      | 2,772.54                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00                                                   | 90.50           | 359.77      | 10,144.57             | 2,790.47     | -750.72      | 2,871.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00                                                   | 90.50           | 359.77      | 10,143.69             | 2,890.47     | -751.13      | 2,970.39                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00                                                   | 90.50           | 359.77      | 10,142.82             | 2,990.46     | -751.53      | 3,069.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00                                                   | 90.50           | 359.77      | 10,141.95             | 3,090.46     | -751.94      | 3,168.25                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00                                                   | 90.50           | 359.77      | 10,141.08             | 3,190.45     | -752.34      | 3,267.17                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00                                                   | 90.50           | 359.77      | 10,140.20             | 3,290.45     | -752.74      | 3,366.10                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00                                                   | 90.50           | 359.77      | 10,139.33             | 3,390.44     | -753.15      | 3,465.03                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00                                                   | 90.50           | 359.77      | 10,138.46             | 3,490.44     | -753.55      | 3,563.95                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00                                                   | 90.50           | 359.77      | 10,137.58             | 3,590.43     | -753.96      | 3,662.88                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00                                                   | 90.50           | 359.77      | 10,136.71             | 3,690.43     | -754.36      | 3,761.81                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00                                                   | 90.50           | 359.77      | 10,135.84             | 3,790.42     | -754.76      | 3,860.73                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00                                                   | 90.50           | 359.77      | 10,134.97             | 3,890.42     | -755.17      | 3,959.66                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00                                                   | 90.50           | 359.77      | 10,134.09             | 3,990.41     | -755.57      | 4,058.58                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00                                                   | 90.50           | 359.77      | 10,133.22             | 4,090.41     | -755.98      | 4,157.51                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00                                                   | 90.50           | 359.77      | 10,132.35             | 4,190.41     | -756.38      | 4,256.44                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00                                                   | 90.50           | 359.77      | 10,131.47             | 4,290.40     | -756.79      | 4,355.36                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00                                                   | 90.50           | 359.77      | 10,130.60             | 4,390.40     | -757.19      | 4,454.29                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00                                                   | 90.50           | 359.77      | 10,129.73             | 4,490.39     | -757.59      | 4,553.22                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00                                                   | 90.50           | 359.77      | 10,128.86             | 4,590.39     | -758.00      | 4,652.14                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00                                                   | 90.50           | 359.77      | 10,127.98             | 4,690.38     | -758.40      | 4,751.07                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00                                                   | 90.50           | 359.77      | 10,127.11             | 4,790.38     | -758.81      | 4,850.00                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00                                                   | 90.50           | 359.77      | 10,126.24             | 4,890.37     | -759.21      | 4,948.92                | 0.00                    | 0.00                   | 0.00                  |
| 15,131.13                                                   | 90.50           | 359.77      | 10,125.97             | 4,921.50     | -759.34      | 4,979.72                | 0.00                    | 0.00                   | 0.00                  |
| <b>A01N01-LTP (202H)</b>                                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 15,200.00                                                   | 90.50           | 359.77      | 10,125.36             | 4,990.37     | -759.61      | 5,047.85                | 0.00                    | 0.00                   | 0.00                  |
| 15,221.13                                                   | 90.50           | 359.77      | 10,125.18             | 5,011.50     | -759.70      | 5,068.75                | 0.00                    | 0.00                   | 0.00                  |
| <b>TD: 15221.13' MD, 10125.18' TVD - A01N01-PBHL (202H)</b> |                 |             |                       |              |              |                         |                         |                        |                       |

### Design Targets

| Target Name                                                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude    | Longitude     |
|--------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|---------------|
| - hit/miss target                                                                                |               |              |            |              |              |                 |                |             |               |
| - Shape                                                                                          |               |              |            |              |              |                 |                |             |               |
| A01N01-EON (202H)                                                                                | 0.00          | 0.00         | 9,389.00   | -209.26      | -738.60      | 451,275.04      | 721,355.30     | 32.23928960 | -103.75109552 |
| - plan hits target center                                                                        |               |              |            |              |              |                 |                |             |               |
| - Point                                                                                          |               |              |            |              |              |                 |                |             |               |
| A01N01-PBHL (202H)                                                                               | 0.00          | 0.00         | 10,125.18  | 5,011.50     | -759.70      | 456,495.80      | 721,334.20     | 32.25364050 | -103.75107221 |
| - plan hits target center                                                                        |               |              |            |              |              |                 |                |             |               |
| - Point                                                                                          |               |              |            |              |              |                 |                |             |               |
| A01N01-LTP (202H)                                                                                | 0.00          | 0.00         | 10,126.00  | 4,921.50     | -759.30      | 456,405.80      | 721,334.60     | 32.25339311 | -103.75107249 |
| - plan misses target center by 0.05usft at 15131.13usft MD (10125.97 TVD, 4921.50 N, -759.34 E)  |               |              |            |              |              |                 |                |             |               |
| - Point                                                                                          |               |              |            |              |              |                 |                |             |               |
| A01N01-FTP (202H)                                                                                | 0.00          | 0.00         | 10,170.00  | -159.30      | -738.80      | 451,325.00      | 721,355.10     | 32.23942693 | -103.75109530 |
| - plan misses target center by 166.01usft at 10128.26usft MD (10044.36 TVD, -50.80 N, -739.24 E) |               |              |            |              |              |                 |                |             |               |
| - Rectangle (sides W0.00 H1,000.00 D0.00)                                                        |               |              |            |              |              |                 |                |             |               |

|                  |                                 |                                     |                                                   |
|------------------|---------------------------------|-------------------------------------|---------------------------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db      | <b>Local Co-ordinate Reference:</b> | Well Todd 2-24S-31E State 202H (202H) - Slot 202H |
| <b>Company:</b>  | Titus Oil & Gas Production, LLC | <b>TVD Reference:</b>               | 3507+25 @ 3532.00usft (KB=25)                     |
| <b>Project:</b>  | Eddy County, NM (NAD83-NME)     | <b>MD Reference:</b>                | 3507+25 @ 3532.00usft (KB=25)                     |
| <b>Site:</b>     | A01 Todd DSU                    | <b>North Reference:</b>             | Grid                                              |
| <b>Well:</b>     | Todd 2-24S-31E State 202H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                                 |
| <b>Wellbore:</b> | 202H                            |                                     |                                                   |
| <b>Design:</b>   | Plan #1-Rev0                    |                                     |                                                   |

| Plan Annotations      |                       |                   |              |                                  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                          |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                  |
| 9,727.61              | 9,689.10              | -209.26           | -738.60      | KOP: 9727.61' MD, 9689.10' TVD   |
| 10,481.78             | 10,166.55             | 272.37            | -740.55      | EOC: 10481.78' MD, 10166.55' TVD |
| 15,221.13             | 10,125.18             | 5,011.50          | -759.70      | TD: 15221.13' MD, 10125.18' TVD  |