

# Marathon Oil Permian, LLC

Eddy County, NM (NAD27)

Southern Comfort State 24-28-25

TB #6H

30-015.44832

OH

Plan: Plan #1

## Standard Planning Report

26 March, 2018

NM OIL CONSERVATION  
ARTESIA DISTRICT

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# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

|                    |                                      |                      |                             |
|--------------------|--------------------------------------|----------------------|-----------------------------|
| <b>Project:</b>    | Eddy County, NM (NAD27)              |                      |                             |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                             |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      | Using geodetic scale factor |

|                              |                                 |                          |                  |
|------------------------------|---------------------------------|--------------------------|------------------|
| <b>Site:</b>                 | Southern Comfort State 24-28-25 |                          |                  |
| <b>Site Position:</b>        |                                 | <b>Northing:</b>         | 432,128.89 usft  |
| <b>From:</b>                 | Map                             | <b>Easting:</b>          | 591,559.01 usft  |
| <b>Position Uncertainty:</b> | 0.00 usft                       | <b>Slot Radius:</b>      | 13-3/16 "        |
|                              |                                 | <b>Latitude:</b>         | 32° 11' 15.695 N |
|                              |                                 | <b>Longitude:</b>        | 104° 2' 14.542 W |
|                              |                                 | <b>Grid Convergence:</b> | 0.16 °           |

|                             |        |            |                                      |
|-----------------------------|--------|------------|--------------------------------------|
| <b>Well:</b>                | TB #6H |            |                                      |
| <b>Well Position</b>        | +N/-S  | 0.00 usft  | <b>Northing:</b> 432,128.89 usft     |
|                             | +E/-W  | 30.00 usft | <b>Easting:</b> 591,589.01 usft      |
| <b>Position Uncertainty</b> |        | 0.00 usft  | <b>Wellhead Elevation:</b> 0.00 usft |
|                             |        |            | <b>Ground Level:</b> 2,919.00 usft   |
|                             |        |            | <b>Latitude:</b> 32° 11' 15.694 N    |
|                             |        |            | <b>Longitude:</b> 104° 2' 14.193 W   |

|                  |                   |                    |                       |
|------------------|-------------------|--------------------|-----------------------|
| <b>Wellbore:</b> | OH                |                    |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b>    |
|                  |                   |                    | (°)                   |
|                  | HDGM              | 3/26/2018          | 7.15                  |
|                  |                   |                    | <b>Dip Angle</b>      |
|                  |                   |                    | (°)                   |
|                  |                   |                    | 59.97                 |
|                  |                   |                    | <b>Field Strength</b> |
|                  |                   |                    | (nT)                  |
|                  |                   |                    | 48,017                |

|                          |                         |              |                           |
|--------------------------|-------------------------|--------------|---------------------------|
| <b>Design:</b>           | Plan #1                 |              |                           |
| <b>Audit Notes:</b>      |                         |              |                           |
| <b>Version:</b>          | <b>Phase:</b>           | PLAN         | <b>Tie On Depth:</b> 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>              |
|                          | (usft)                  | (usft)       | (usft)                    |
|                          | 0.00                    | 0.00         | 0.00                      |
|                          |                         |              | <b>Direction</b>          |
|                          |                         |              | (bearing)                 |
|                          |                         |              | 180.00                    |

| Plan Sections         |                 |                   |                       |              |              |                         |                        |                       |         |                |
|-----------------------|-----------------|-------------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (bearing) | 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    |                |
| 3,000.00              | 0.00            | 0.00              | 3,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 3,600.00              | 12.00           | 80.00             | 3,595.62              | 10.87        | 61.65        | 2.00                    | 2.00                   | 0.00                  | 80.00   |                |
| 6,535.00              | 12.00           | 80.00             | 6,466.49              | 116.83       | 662.60       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 7,135.00              | 0.00            | 0.00              | 7,062.11              | 127.71       | 724.25       | 2.00                    | -2.00                  | 0.00                  | 180.00  |                |
| 9,084.93              | 0.00            | 0.00              | 9,012.04              | 127.71       | 724.25       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 9,984.93              | 90.00           | 179.94            | 9,585.00              | -445.25      | 724.88       | 10.00                   | 10.00                  | 0.00                  | 179.94  |                |
| 16,970.48             | 90.00           | 179.94            | 9,585.00              | -7,430.79    | 732.49       | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL[SCS\TB#6H] |
| 17,015.48             | 90.00           | 179.94            | 9,585.00              | -7,475.79    | 732.54       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |

# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

  

| Planned Survey                |                 |                   |                       |             |             |                         |                         |                        |                       |
|-------------------------------|-----------------|-------------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)         | Inclination (°) | Azimuth (bearing) | 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                  |
| 539.00                        | 0.00            | 0.00              | 539.00                | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Salado</b>                 |                 |                   |                       |             |             |                         |                         |                        |                       |
| 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                  |
| 1,180.00                      | 0.00            | 0.00              | 1,180.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Castile</b>                |                 |                   |                       |             |             |                         |                         |                        |                       |
| 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                      | 0.00            | 0.00              | 1,600.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00                      | 0.00            | 0.00              | 1,700.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00                      | 0.00            | 0.00              | 1,800.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00                      | 0.00            | 0.00              | 1,900.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00                      | 0.00            | 0.00              | 2,000.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00                      | 0.00            | 0.00              | 2,100.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00                      | 0.00            | 0.00              | 2,200.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00                      | 0.00            | 0.00              | 2,300.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00                      | 0.00            | 0.00              | 2,400.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00                      | 0.00            | 0.00              | 2,500.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,532.00                      | 0.00            | 0.00              | 2,532.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Base of Salt</b>           |                 |                   |                       |             |             |                         |                         |                        |                       |
| 2,600.00                      | 0.00            | 0.00              | 2,600.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,663.00                      | 0.00            | 0.00              | 2,663.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Lamar</b>                  |                 |                   |                       |             |             |                         |                         |                        |                       |
| 2,690.00                      | 0.00            | 0.00              | 2,690.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Bell Canyon</b>            |                 |                   |                       |             |             |                         |                         |                        |                       |
| 2,700.00                      | 0.00            | 0.00              | 2,700.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00                      | 0.00            | 0.00              | 2,800.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00                      | 0.00            | 0.00              | 2,900.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00                      | 0.00            | 0.00              | 3,000.00              | 0.00        | 0.00        | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP - Build 2.0° / 100</b> |                 |                   |                       |             |             |                         |                         |                        |                       |
| 3,100.00                      | 2.00            | 80.00             | 3,099.98              | 0.30        | 1.72        | -0.30                   | 2.00                    | 2.00                   | 0.00                  |
| 3,200.00                      | 4.00            | 80.00             | 3,199.84              | 1.21        | 6.87        | -1.21                   | 2.00                    | 2.00                   | 0.00                  |
| 3,300.00                      | 6.00            | 80.00             | 3,299.45              | 2.73        | 15.46       | -2.73                   | 2.00                    | 2.00                   | 0.00                  |
| 3,400.00                      | 8.00            | 80.00             | 3,398.70              | 4.84        | 27.46       | -4.84                   | 2.00                    | 2.00                   | 0.00                  |
| 3,500.00                      | 10.00           | 80.00             | 3,497.47              | 7.56        | 42.86       | -7.56                   | 2.00                    | 2.00                   | 0.00                  |
| 3,571.79                      | 11.44           | 80.00             | 3,568.00              | 9.88        | 56.01       | -9.88                   | 2.00                    | 2.00                   | 0.00                  |
| <b>Cherry Canyon</b>          |                 |                   |                       |             |             |                         |                         |                        |                       |
| 3,600.00                      | 12.00           | 80.00             | 3,595.62              | 10.87       | 61.65       | -10.87                  | 2.00                    | 2.00                   | 0.00                  |
| <b>EOB - HOLD</b>             |                 |                   |                       |             |             |                         |                         |                        |                       |
| 3,700.00                      | 12.00           | 80.00             | 3,693.44              | 14.48       | 82.13       | -14.48                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00                      | 12.00           | 80.00             | 3,791.25              | 18.09       | 102.60      | -18.09                  | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

| Planned Survey              |                 |                   |                       |             |             |                         |                         |                        |                       |
|-----------------------------|-----------------|-------------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)       | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,900.00                    | 12.00           | 80.00             | 3,889.07              | 21.70       | 123.08      | -21.70                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                    | 12.00           | 80.00             | 3,986.88              | 25.31       | 143.55      | -25.31                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                    | 12.00           | 80.00             | 4,084.70              | 28.92       | 164.03      | -28.92                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00                    | 12.00           | 80.00             | 4,182.51              | 32.53       | 184.50      | -32.53                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                    | 12.00           | 80.00             | 4,280.33              | 36.14       | 204.98      | -36.14                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                    | 12.00           | 80.00             | 4,378.14              | 39.75       | 225.45      | -39.75                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00                    | 12.00           | 80.00             | 4,475.96              | 43.36       | 245.93      | -43.36                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00                    | 12.00           | 80.00             | 4,573.77              | 46.97       | 266.40      | -46.97                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00                    | 12.00           | 80.00             | 4,671.59              | 50.58       | 286.88      | -50.58                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00                    | 12.00           | 80.00             | 4,769.40              | 54.19       | 307.36      | -54.19                  | 0.00                    | 0.00                   | 0.00                  |
| 4,833.33                    | 12.00           | 80.00             | 4,802.00              | 55.40       | 314.18      | -55.40                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon</b>        |                 |                   |                       |             |             |                         |                         |                        |                       |
| 4,900.00                    | 12.00           | 80.00             | 4,867.22              | 57.81       | 327.83      | -57.81                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00                    | 12.00           | 80.00             | 4,965.03              | 61.42       | 348.31      | -61.42                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00                    | 12.00           | 80.00             | 5,062.84              | 65.03       | 368.78      | -65.03                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00                    | 12.00           | 80.00             | 5,160.66              | 68.64       | 389.26      | -68.64                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                    | 12.00           | 80.00             | 5,258.47              | 72.25       | 409.73      | -72.25                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                    | 12.00           | 80.00             | 5,356.29              | 75.86       | 430.21      | -75.86                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00                    | 12.00           | 80.00             | 5,454.10              | 79.47       | 450.68      | -79.47                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00                    | 12.00           | 80.00             | 5,551.92              | 83.08       | 471.16      | -83.08                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00                    | 12.00           | 80.00             | 5,649.73              | 86.69       | 491.63      | -86.69                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00                    | 12.00           | 80.00             | 5,747.55              | 90.30       | 512.11      | -90.30                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00                    | 12.00           | 80.00             | 5,845.36              | 93.91       | 532.58      | -93.91                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00                    | 12.00           | 80.00             | 5,943.18              | 97.52       | 553.06      | -97.52                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00                    | 12.00           | 80.00             | 6,040.99              | 101.13      | 573.53      | -101.13                 | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00                    | 12.00           | 80.00             | 6,138.81              | 104.74      | 594.01      | -104.74                 | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00                    | 12.00           | 80.00             | 6,236.62              | 108.35      | 614.48      | -108.35                 | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                    | 12.00           | 80.00             | 6,334.44              | 111.96      | 634.96      | -111.96                 | 0.00                    | 0.00                   | 0.00                  |
| 6,439.43                    | 12.00           | 80.00             | 6,373.00              | 113.38      | 643.03      | -113.38                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring</b>          |                 |                   |                       |             |             |                         |                         |                        |                       |
| 6,500.00                    | 12.00           | 80.00             | 6,432.25              | 115.57      | 655.44      | -115.57                 | 0.00                    | 0.00                   | 0.00                  |
| 6,535.00                    | 12.00           | 80.00             | 6,466.49              | 116.83      | 662.60      | -116.83                 | 0.00                    | 0.00                   | 0.00                  |
| <b>DROP 2.0° / 100</b>      |                 |                   |                       |             |             |                         |                         |                        |                       |
| 6,600.00                    | 10.70           | 80.00             | 6,530.21              | 119.06      | 675.20      | -119.06                 | 2.00                    | -2.00                  | 0.00                  |
| 6,700.00                    | 8.70            | 80.00             | 6,628.78              | 121.98      | 691.79      | -121.98                 | 2.00                    | -2.00                  | 0.00                  |
| 6,800.00                    | 6.70            | 80.00             | 6,727.87              | 124.31      | 704.99      | -124.31                 | 2.00                    | -2.00                  | 0.00                  |
| 6,900.00                    | 4.70            | 80.00             | 6,827.37              | 126.03      | 714.77      | -126.03                 | 2.00                    | -2.00                  | 0.00                  |
| 7,000.00                    | 2.70            | 80.00             | 6,927.16              | 127.15      | 721.12      | -127.15                 | 2.00                    | -2.00                  | 0.00                  |
| 7,100.00                    | 0.70            | 80.00             | 7,027.11              | 127.67      | 724.04      | -127.67                 | 2.00                    | -2.00                  | 0.00                  |
| 7,135.00                    | 0.00            | 0.00              | 7,062.11              | 127.71      | 724.25      | -127.71                 | 2.00                    | -2.00                  | 0.00                  |
| <b>EOD - HOLD</b>           |                 |                   |                       |             |             |                         |                         |                        |                       |
| 7,200.00                    | 0.00            | 0.00              | 7,127.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                    | 0.00            | 0.00              | 7,227.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,392.89                    | 0.00            | 0.00              | 7,320.00              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| <b>1st Bone Spring Sand</b> |                 |                   |                       |             |             |                         |                         |                        |                       |
| 7,400.00                    | 0.00            | 0.00              | 7,327.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                    | 0.00            | 0.00              | 7,427.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00                    | 0.00            | 0.00              | 7,527.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00                    | 0.00            | 0.00              | 7,627.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                    | 0.00            | 0.00              | 7,727.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                    | 0.00            | 0.00              | 7,827.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00                    | 0.00            | 0.00              | 7,927.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                    | 0.00            | 0.00              | 8,027.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00                    | 0.00            | 0.00              | 8,127.11              | 127.71      | 724.25      | -127.71                 | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

| Planned Survey                       |                 |                   |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,207.89                             | 0.00            | 0.00              | 8,135.00              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| <b>2nd Bone Spring Sand</b>          |                 |                   |                       |              |              |                         |                         |                        |                       |
| 8,300.00                             | 0.00            | 0.00              | 8,227.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00                             | 0.00            | 0.00              | 8,327.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00                             | 0.00            | 0.00              | 8,427.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00                             | 0.00            | 0.00              | 8,527.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00                             | 0.00            | 0.00              | 8,627.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                             | 0.00            | 0.00              | 8,727.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00                             | 0.00            | 0.00              | 8,827.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                             | 0.00            | 0.00              | 8,927.11              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| 9,084.93                             | 0.00            | 0.00              | 9,012.04              | 127.71       | 724.25       | -127.71                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Curve KOP - Build 10.0° / 100</b> |                 |                   |                       |              |              |                         |                         |                        |                       |
| 9,100.00                             | 1.51            | 179.94            | 9,027.11              | 127.51       | 724.25       | -127.51                 | 10.00                   | 10.00                  | 0.00                  |
| 9,150.00                             | 6.51            | 179.94            | 9,076.97              | 124.01       | 724.26       | -124.01                 | 10.00                   | 10.00                  | 0.00                  |
| 9,200.00                             | 11.51           | 179.94            | 9,126.34              | 116.19       | 724.27       | -116.19                 | 10.00                   | 10.00                  | 0.00                  |
| 9,250.00                             | 16.51           | 179.94            | 9,174.84              | 104.09       | 724.28       | -104.09                 | 10.00                   | 10.00                  | 0.00                  |
| 9,300.00                             | 21.51           | 179.94            | 9,222.09              | 87.81        | 724.30       | -87.81                  | 10.00                   | 10.00                  | 0.00                  |
| 9,319.38                             | 23.44           | 179.94            | 9,240.00              | 80.41        | 724.30       | -80.41                  | 10.00                   | 10.00                  | 0.00                  |
| <b>3rd Bone Spring Sand</b>          |                 |                   |                       |              |              |                         |                         |                        |                       |
| 9,350.00                             | 26.51           | 179.94            | 9,267.76              | 67.48        | 724.32       | -67.48                  | 10.00                   | 10.00                  | 0.00                  |
| 9,400.00                             | 31.51           | 179.94            | 9,311.47              | 43.24        | 724.35       | -43.24                  | 10.00                   | 10.00                  | 0.00                  |
| 9,450.00                             | 36.51           | 179.94            | 9,352.90              | 15.28        | 724.38       | -15.28                  | 10.00                   | 10.00                  | 0.00                  |
| 9,500.00                             | 41.51           | 179.94            | 9,391.75              | -16.18       | 724.41       | 16.18                   | 10.00                   | 10.00                  | 0.00                  |
| 9,550.00                             | 46.51           | 179.94            | 9,427.70              | -50.90       | 724.45       | 50.90                   | 10.00                   | 10.00                  | 0.00                  |
| 9,600.00                             | 51.51           | 179.94            | 9,460.49              | -88.63       | 724.49       | 88.63                   | 10.00                   | 10.00                  | 0.00                  |
| 9,650.00                             | 56.51           | 179.94            | 9,489.86              | -129.07      | 724.53       | 129.07                  | 10.00                   | 10.00                  | 0.00                  |
| 9,666.65                             | 58.17           | 179.94            | 9,498.85              | -143.09      | 724.55       | 143.09                  | 10.00                   | 10.00                  | 0.00                  |
| <b>FTP[SCS\TB#6H]</b>                |                 |                   |                       |              |              |                         |                         |                        |                       |
| 9,700.00                             | 61.51           | 179.94            | 9,515.60              | -171.92      | 724.58       | 171.92                  | 10.00                   | 10.00                  | 0.00                  |
| 9,750.00                             | 66.51           | 179.94            | 9,537.51              | -216.85      | 724.63       | 216.85                  | 10.00                   | 10.00                  | 0.00                  |
| 9,800.00                             | 71.51           | 179.94            | 9,555.41              | -263.51      | 724.68       | 263.51                  | 10.00                   | 10.00                  | 0.00                  |
| 9,850.00                             | 76.51           | 179.94            | 9,569.19              | -311.56      | 724.73       | 311.56                  | 10.00                   | 10.00                  | 0.00                  |
| 9,900.00                             | 81.51           | 179.94            | 9,578.72              | -360.63      | 724.79       | 360.63                  | 10.00                   | 10.00                  | 0.00                  |
| 9,950.00                             | 86.51           | 179.94            | 9,583.94              | -410.34      | 724.84       | 410.34                  | 10.00                   | 10.00                  | 0.00                  |
| 9,984.93                             | 90.00           | 179.94            | 9,585.00              | -445.25      | 724.88       | 445.25                  | 10.00                   | 10.00                  | 0.00                  |
| <b>EOC - HOLD</b>                    |                 |                   |                       |              |              |                         |                         |                        |                       |
| 10,000.00                            | 90.00           | 179.94            | 9,585.00              | -460.32      | 724.89       | 460.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00                            | 90.00           | 179.94            | 9,585.00              | -560.32      | 725.00       | 560.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00                            | 90.00           | 179.94            | 9,585.00              | -660.32      | 725.11       | 660.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.00                            | 90.00           | 179.94            | 9,585.00              | -760.32      | 725.22       | 760.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00                            | 90.00           | 179.94            | 9,585.00              | -860.32      | 725.33       | 860.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00                            | 90.00           | 179.94            | 9,585.00              | -960.32      | 725.44       | 960.32                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00                            | 90.00           | 179.94            | 9,585.00              | -1,060.32    | 725.55       | 1,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00                            | 90.00           | 179.94            | 9,585.00              | -1,160.32    | 725.66       | 1,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00                            | 90.00           | 179.94            | 9,585.00              | -1,260.32    | 725.77       | 1,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00                            | 90.00           | 179.94            | 9,585.00              | -1,360.32    | 725.87       | 1,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00                            | 90.00           | 179.94            | 9,585.00              | -1,460.32    | 725.98       | 1,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00                            | 90.00           | 179.94            | 9,585.00              | -1,560.32    | 726.09       | 1,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00                            | 90.00           | 179.94            | 9,585.00              | -1,660.32    | 726.20       | 1,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00                            | 90.00           | 179.94            | 9,585.00              | -1,760.32    | 726.31       | 1,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00                            | 90.00           | 179.94            | 9,585.00              | -1,860.32    | 726.42       | 1,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                            | 90.00           | 179.94            | 9,585.00              | -1,960.32    | 726.53       | 1,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00                            | 90.00           | 179.94            | 9,585.00              | -2,060.32    | 726.64       | 2,060.32                | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

| Planned Survey        |                 |                   |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,700.00             | 90.00           | 179.94            | 9,585.00              | -2,160.32    | 726.75       | 2,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00             | 90.00           | 179.94            | 9,585.00              | -2,260.32    | 726.86       | 2,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00             | 90.00           | 179.94            | 9,585.00              | -2,360.32    | 726.96       | 2,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00             | 90.00           | 179.94            | 9,585.00              | -2,460.32    | 727.07       | 2,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 90.00           | 179.94            | 9,585.00              | -2,560.32    | 727.18       | 2,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 90.00           | 179.94            | 9,585.00              | -2,660.32    | 727.29       | 2,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 90.00           | 179.94            | 9,585.00              | -2,760.32    | 727.40       | 2,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 90.00           | 179.94            | 9,585.00              | -2,860.32    | 727.51       | 2,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00             | 90.00           | 179.94            | 9,585.00              | -2,960.32    | 727.62       | 2,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00             | 90.00           | 179.94            | 9,585.00              | -3,060.32    | 727.73       | 3,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00             | 90.00           | 179.94            | 9,585.00              | -3,160.32    | 727.84       | 3,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00             | 90.00           | 179.94            | 9,585.00              | -3,260.32    | 727.95       | 3,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00             | 90.00           | 179.94            | 9,585.00              | -3,360.32    | 728.05       | 3,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00             | 90.00           | 179.94            | 9,585.00              | -3,460.32    | 728.16       | 3,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00             | 90.00           | 179.94            | 9,585.00              | -3,560.32    | 728.27       | 3,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00             | 90.00           | 179.94            | 9,585.00              | -3,660.32    | 728.38       | 3,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00             | 90.00           | 179.94            | 9,585.00              | -3,760.32    | 728.49       | 3,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00             | 90.00           | 179.94            | 9,585.00              | -3,860.32    | 728.60       | 3,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00             | 90.00           | 179.94            | 9,585.00              | -3,960.32    | 728.71       | 3,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00             | 90.00           | 179.94            | 9,585.00              | -4,060.32    | 728.82       | 4,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00             | 90.00           | 179.94            | 9,585.00              | -4,160.32    | 728.93       | 4,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00             | 90.00           | 179.94            | 9,585.00              | -4,260.32    | 729.03       | 4,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00             | 90.00           | 179.94            | 9,585.00              | -4,360.32    | 729.14       | 4,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00             | 90.00           | 179.94            | 9,585.00              | -4,460.32    | 729.25       | 4,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00             | 90.00           | 179.94            | 9,585.00              | -4,560.32    | 729.36       | 4,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00             | 90.00           | 179.94            | 9,585.00              | -4,660.32    | 729.47       | 4,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00             | 90.00           | 179.94            | 9,585.00              | -4,760.32    | 729.58       | 4,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00             | 90.00           | 179.94            | 9,585.00              | -4,860.32    | 729.69       | 4,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00             | 90.00           | 179.94            | 9,585.00              | -4,960.32    | 729.80       | 4,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00             | 90.00           | 179.94            | 9,585.00              | -5,060.32    | 729.91       | 5,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00             | 90.00           | 179.94            | 9,585.00              | -5,160.32    | 730.02       | 5,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00             | 90.00           | 179.94            | 9,585.00              | -5,260.32    | 730.12       | 5,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00             | 90.00           | 179.94            | 9,585.00              | -5,360.32    | 730.23       | 5,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00             | 90.00           | 179.94            | 9,585.00              | -5,460.32    | 730.34       | 5,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00             | 90.00           | 179.94            | 9,585.00              | -5,560.32    | 730.45       | 5,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00             | 90.00           | 179.94            | 9,585.00              | -5,660.32    | 730.56       | 5,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00             | 90.00           | 179.94            | 9,585.00              | -5,760.32    | 730.67       | 5,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00             | 90.00           | 179.94            | 9,585.00              | -5,860.32    | 730.78       | 5,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00             | 90.00           | 179.94            | 9,585.00              | -5,960.32    | 730.89       | 5,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00             | 90.00           | 179.94            | 9,585.00              | -6,060.32    | 731.00       | 6,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00             | 90.00           | 179.94            | 9,585.00              | -6,160.32    | 731.11       | 6,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00             | 90.00           | 179.94            | 9,585.00              | -6,260.32    | 731.21       | 6,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00             | 90.00           | 179.94            | 9,585.00              | -6,360.32    | 731.32       | 6,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00             | 90.00           | 179.94            | 9,585.00              | -6,460.32    | 731.43       | 6,460.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00             | 90.00           | 179.94            | 9,585.00              | -6,560.32    | 731.54       | 6,560.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00             | 90.00           | 179.94            | 9,585.00              | -6,660.32    | 731.65       | 6,660.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00             | 90.00           | 179.94            | 9,585.00              | -6,760.32    | 731.76       | 6,760.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00             | 90.00           | 179.94            | 9,585.00              | -6,860.32    | 731.87       | 6,860.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00             | 90.00           | 179.94            | 9,585.00              | -6,960.32    | 731.98       | 6,960.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00             | 90.00           | 179.94            | 9,585.00              | -7,060.32    | 732.09       | 7,060.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00             | 90.00           | 179.94            | 9,585.00              | -7,160.32    | 732.19       | 7,160.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00             | 90.00           | 179.94            | 9,585.00              | -7,260.32    | 732.30       | 7,260.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00             | 90.00           | 179.94            | 9,585.00              | -7,360.32    | 732.41       | 7,360.32                | 0.00                    | 0.00                   | 0.00                  |
| 16,970.48             | 90.00           | 179.94            | 9,585.00              | -7,430.79    | 732.49       | 7,430.79                | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                                 |                                     |                                    |
|------------------|---------------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Midland District                | <b>Local Co-ordinate Reference:</b> | Well TB #6H                        |
| <b>Company:</b>  | Marathon Oil Permian, LLC       | <b>TVD Reference:</b>               | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Project:</b>  | Eddy County, NM (NAD27)         | <b>MD Reference:</b>                | KB = 26.5' @ 2945.50usft (H&P 498) |
| <b>Site:</b>     | Southern Comfort State 24-28-25 | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | TB #6H                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | OH                              |                                     |                                    |
| <b>Design:</b>   | Plan #1                         |                                     |                                    |

| Planned Survey                  |                 |                   |                       |             |             |                         |                         |                        |                       |  |
|---------------------------------|-----------------|-------------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)           | Inclination (°) | Azimuth (bearing) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| TD at 16970.48 - BHL[SCS\TB#6H] |                 |                   |                       |             |             |                         |                         |                        |                       |  |
| 17,000.00                       | 90.00           | 179.94            | 9,585.00              | -7,460.32   | 732.52      | 7,460.32                | 0.00                    | 0.00                   | 0.00                  |  |
| 17,015.48                       | 90.00           | 179.94            | 9,585.00              | -7,475.79   | 732.54      | 7,475.79                | 0.00                    | 0.00                   | 0.00                  |  |
| TD + 45' VS                     |                 |                   |                       |             |             |                         |                         |                        |                       |  |

| Design Targets                                                                                 |               |                    |            |             |             |                 |                |                  |                 |  |
|------------------------------------------------------------------------------------------------|---------------|--------------------|------------|-------------|-------------|-----------------|----------------|------------------|-----------------|--|
| Target Name                                                                                    | Dip Angle (°) | Dip Dir. (bearing) | TVD (usft) | +N-S (usft) | +E-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude       |  |
| BHL[SCS\TB#6H]                                                                                 | -90.00        | 179.94             | 9,585.00   | -7,430.79   | 732.49      | 424,698.70      | 592,321.44     | 32° 10' 2.143 N  | 104° 2' 5.909 W |  |
| - plan hits target center                                                                      |               |                    |            |             |             |                 |                |                  |                 |  |
| - Rectangle (sides W50.00 H30.00 D6,900.00)                                                    |               |                    |            |             |             |                 |                |                  |                 |  |
| FTP[SCS\TB#6H]                                                                                 | 0.00          | 0.00               | 9,585.00   | -91.34      | 724.36      | 432,037.56      | 592,313.31     | 32° 11' 14.771 N | 104° 2' 5.767 W |  |
| - plan misses target center by 100.50usft at 9666.65usft MD (9498.85 TVD, -143.09 N, 724.55 E) |               |                    |            |             |             |                 |                |                  |                 |  |
| - Point                                                                                        |               |                    |            |             |             |                 |                |                  |                 |  |

| Formations            |                       |                      |           |         |                         |  |  |  |  |  |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------------|--|--|--|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                 | Lithology | Dip (°) | Dip Direction (bearing) |  |  |  |  |  |
| 539.00                | 539.00                | Salado               |           |         |                         |  |  |  |  |  |
| 1,180.00              | 1,180.00              | Castile              |           |         |                         |  |  |  |  |  |
| 2,532.00              | 2,532.00              | Base of Salt         |           |         |                         |  |  |  |  |  |
| 2,663.00              | 2,663.00              | Lamar                |           |         |                         |  |  |  |  |  |
| 2,690.00              | 2,690.00              | Bell Canyon          |           |         |                         |  |  |  |  |  |
| 3,571.79              | 3,568.00              | Cherry Canyon        |           |         |                         |  |  |  |  |  |
| 4,833.33              | 4,802.00              | Brushy Canyon        |           |         |                         |  |  |  |  |  |
| 6,439.43              | 6,373.00              | Bone Spring          |           |         |                         |  |  |  |  |  |
| 7,392.89              | 7,320.00              | 1st Bone Spring Sand |           |         |                         |  |  |  |  |  |
| 8,207.89              | 8,135.00              | 2nd Bone Spring Sand |           |         |                         |  |  |  |  |  |
| 9,319.38              | 9,240.00              | 3rd Bone Spring Sand |           |         |                         |  |  |  |  |  |

| Plan Annotations      |                       |                   |             |  |  |                               |  |  |  |  |
|-----------------------|-----------------------|-------------------|-------------|--|--|-------------------------------|--|--|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |             |  |  |                               |  |  |  |  |
|                       |                       | +N-S (usft)       | +E-W (usft) |  |  | Comment                       |  |  |  |  |
| 3,000.00              | 3,000.00              | 0.00              | 0.00        |  |  | KOP - Build 2.0° / 100        |  |  |  |  |
| 3,600.00              | 3,595.62              | 10.87             | 61.65       |  |  | EOB - HOLD                    |  |  |  |  |
| 6,535.00              | 6,466.49              | 116.83            | 662.60      |  |  | DROP 2.0° / 100               |  |  |  |  |
| 7,135.00              | 7,062.11              | 127.71            | 724.25      |  |  | EOD - HOLD                    |  |  |  |  |
| 9,084.93              | 9,012.04              | 127.71            | 724.25      |  |  | Curve KOP - Build 10.0° / 100 |  |  |  |  |
| 9,984.93              | 9,585.00              | -445.25           | 724.88      |  |  | EOC - HOLD                    |  |  |  |  |
| 16,970.48             | 9,585.00              | -7,430.79         | 732.49      |  |  | TD at 16970.48                |  |  |  |  |
| 17,015.48             | 9,585.00              | -7,475.79         | 732.54      |  |  | TD + 45' VS                   |  |  |  |  |