



## Directional Survey Certification

2948 I-70 Business Loop  
Grand Junction, CO 81504  
(970)-245-9447 Fax (970)-245-9454

|                 |                          |
|-----------------|--------------------------|
| Operator        | TEP Rocky Mountain, LLC. |
| Well Name & No. | TR 12-24-597             |
| County & State  | Garfield County, CO      |
| SDI Job No.     | OP.001542 & OP.002573    |
| Rig             | H&P 271                  |

I, Mel Mireles Jr., having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 143 feet to a measured depth of 10,503 feet is true and correct as determined from all available records.

A handwritten signature in black ink, appearing to read 'Mel Mireles Jr.', written over a horizontal line.

Signature

13-Jul-17

Date

### Mel Mireles Jr.

Grand Junction Assistant Well Planner  
Scientific Drilling - Colorado District

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well TR 12-24-597 - Slot A12 (TR 12-24-597)   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Site:</b>     | TR 32-23-597 Pad          | <b>MD Reference:</b>                | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Well:</b>     | TR 12-24-597              | <b>North Reference:</b>             | True  |
| <b>Wellbore:</b> | OH                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                             |
| <b>Design:</b>   | OH                        | <b>Database:</b>                    | Grand Junction District                       |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Garfield County, CO NAD83 |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | Colorado Central Zone     |                      |                |

|                              |                  |                     |                   |                                  |
|------------------------------|------------------|---------------------|-------------------|----------------------------------|
| <b>Site</b>                  | TR 32-23-597 Pad |                     |                   |                                  |
| <b>Site Position:</b>        |                  | <b>Northing:</b>    | 1,654,899.00 usft | <b>Latitude:</b> 39.5994964      |
| <b>From:</b>                 | Map              | <b>Easting:</b>     | 2,227,644.00 usft | <b>Longitude:</b> -108.2413519   |
| <b>Position Uncertainty:</b> | 0.00 usft        | <b>Slot Radius:</b> | 13.20 in          | <b>Grid Convergence:</b> -1.73 ° |

|                             |  |           |                            |                   |
|-----------------------------|--|-----------|----------------------------|-------------------|
| <b>Well</b>                 | TR 12-24-597 - Slot A12 (TR 12-24-597) |           |                            |                   |
| <b>Well Position</b>        | <b>+N/-S</b>                           | 0.00 usft | <b>Northing:</b>           | 1,654,899.00 usft |
|                             | <b>+E/-W</b>                           | 0.00 usft | <b>Easting:</b>            | 2,227,644.00 usft |
| <b>Position Uncertainty</b> | 0.00 usft                              |           | <b>Wellhead Elevation:</b> | 0.00 usft         |
|                             |  |           | <b>Ground Level:</b>       | 8,545.20 usft     |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 5/26/2017          | 9.77                   | 65.93                | 51,607                     |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | OH                             |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                           | 0.00                | 0.00                | 41.84                |      |

|                       |                  |  |                  |                              |  |
|-----------------------|------------------|--|------------------|------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 7/13/2017                              |                  |                              |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>               | <b>Tool Name</b> | <b>Description</b>           |  |
| 143.00                | 621.00           | Survey #1 - Gyro MWD Survey (OH)       | SDI MWD          | SDI MWD - Standard ver 1.0.1 |  |
| 690.00                | 2,937.00         | Survey #2 - Surface MWD Survey (OH)    | SDI MWD          | SDI MWD - Standard ver 1.0.1 |  |
| 3,061.00              | 10,503.00        | Survey #3 - Production MWD Survey (OH) | SDI MWD          | SDI MWD - Standard ver 1.0.1 |  |

|                                  |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|----------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Survey</b>                    |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b>     | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.00                             | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 143.00                           | 0.35                   | 28.65              | 143.00                       | 0.38                | 0.21                | 0.43                           | 0.24                           | 0.24                          | 0.00                         |  |
| <b>First SDI Gyro MWD Survey</b> |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| 173.00                           | 1.06                   | 67.59              | 173.00                       | 0.57                | 0.51                | 0.76                           | 2.73                           | 2.37                          | 129.80                       |  |
| 263.00                           | 3.08                   | 55.72              | 262.93                       | 2.25                | 3.28                | 3.86                           | 2.28                           | 2.24                          | -13.19                       |  |
| 352.00                           | 5.54                   | 61.79              | 351.68                       | 5.63                | 9.04                | 10.22                          | 2.81                           | 2.76                          | 6.82                         |  |
| 442.00                           | 8.36                   | 56.51              | 441.01                       | 11.29               | 18.33               | 20.64                          | 3.21                           | 3.13                          | -5.87                        |  |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well TR 12-24-597 - Slot A12 (TR 12-24-597)   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Site:</b>     | TR 32-23-597 Pad          | <b>MD Reference:</b>                | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Well:</b>     | TR 12-24-597              | <b>North Reference:</b>             | True  |
| <b>Wellbore:</b> | OH                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                             |
| <b>Design:</b>   | OH                        | <b>Database:</b>                    | Grand Junction District                       |

| 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) |
| 532.00                                 | 11.44           | 56.25       | 529.66                | 19.86        | 31.21        | 35.61                   | 3.42                    | 3.42                   | -0.29                 |
| 621.00                                 | 14.52           | 53.26       | 616.37                | 31.44        | 47.49        | 55.10                   | 3.54                    | 3.46                   | -3.36                 |
| <b>Last SDI Gyro MWD Survey</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 690.00                                 | 16.71           | 52.05       | 682.82                | 42.72        | 62.25        | 73.35                   | 3.21                    | 3.17                   | -1.75                 |
| <b>First SDI Surface MWD Survey</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 779.00                                 | 18.73           | 54.59       | 767.60                | 58.87        | 83.98        | 99.88                   | 2.43                    | 2.27                   | 2.85                  |
| 868.00                                 | 22.25           | 56.00       | 850.95                | 76.58        | 109.61       | 130.16                  | 3.99                    | 3.96                   | 1.58                  |
| 958.00                                 | 24.41           | 55.77       | 933.59                | 96.57        | 139.11       | 164.74                  | 2.40                    | 2.40                   | -0.26                 |
| 1,053.00                               | 26.64           | 53.89       | 1,019.31              | 120.17       | 172.55       | 204.63                  | 2.50                    | 2.35                   | -1.98                 |
| 1,148.00                               | 28.20           | 52.25       | 1,103.64              | 146.46       | 207.51       | 247.54                  | 1.82                    | 1.64                   | -1.73                 |
| 1,243.00                               | 27.61           | 52.66       | 1,187.59              | 173.56       | 242.76       | 291.24                  | 0.65                    | -0.62                  | 0.43                  |
| 1,337.00                               | 28.93           | 52.41       | 1,270.38              | 200.64       | 278.10       | 334.98                  | 1.41                    | 1.40                   | -0.27                 |
| 1,432.00                               | 26.82           | 55.47       | 1,354.36              | 226.81       | 313.97       | 378.40                  | 2.68                    | -2.22                  | 3.22                  |
| 1,527.00                               | 25.61           | 59.09       | 1,439.59              | 249.50       | 349.24       | 418.84                  | 2.11                    | -1.27                  | 3.81                  |
| 1,621.00                               | 24.50           | 56.02       | 1,524.74              | 270.84       | 382.84       | 457.15                  | 1.82                    | -1.18                  | -3.27                 |
| 1,716.00                               | 19.95           | 51.14       | 1,612.67              | 292.03       | 411.81       | 492.26                  | 5.16                    | -4.79                  | -5.14                 |
| 1,811.00                               | 15.74           | 44.84       | 1,703.09              | 311.34       | 433.53       | 521.14                  | 4.87                    | -4.43                  | -6.63                 |
| 1,906.00                               | 16.53           | 46.77       | 1,794.35              | 329.74       | 452.46       | 547.47                  | 1.01                    | 0.83                   | 2.03                  |
| 2,000.00                               | 18.38           | 53.63       | 1,884.02              | 347.69       | 474.14       | 575.30                  | 2.94                    | 1.97                   | 7.30                  |
| 2,095.00                               | 20.40           | 56.26       | 1,973.63              | 365.77       | 499.97       | 606.01                  | 2.32                    | 2.13                   | 2.77                  |
| 2,190.00                               | 18.84           | 56.42       | 2,063.11              | 383.45       | 526.52       | 636.89                  | 1.64                    | -1.64                  | 0.17                  |
| 2,285.00                               | 17.94           | 55.03       | 2,153.26              | 400.32       | 551.29       | 665.98                  | 1.05                    | -0.95                  | -1.46                 |
| 2,380.00                               | 19.17           | 56.70       | 2,243.32              | 417.27       | 576.32       | 695.30                  | 1.41                    | 1.29                   | 1.76                  |
| 2,475.00                               | 19.87           | 58.64       | 2,332.86              | 434.23       | 603.14       | 725.83                  | 1.00                    | 0.74                   | 2.04                  |
| 2,569.00                               | 20.14           | 60.48       | 2,421.19              | 450.52       | 630.86       | 756.46                  | 0.73                    | 0.29                   | 1.96                  |
| 2,664.00                               | 20.05           | 58.46       | 2,510.41              | 467.10       | 658.98       | 787.56                  | 0.74                    | -0.09                  | -2.13                 |
| 2,759.00                               | 20.22           | 55.82       | 2,599.61              | 484.84       | 686.44       | 819.10                  | 0.97                    | 0.18                   | -2.78                 |
| 2,854.00                               | 21.98           | 54.77       | 2,688.23              | 504.32       | 714.54       | 852.36                  | 1.89                    | 1.85                   | -1.11                 |
| 2,937.00                               | 23.48           | 55.39       | 2,764.79              | 522.67       | 740.84       | 883.57                  | 1.83                    | 1.81                   | 0.75                  |
| <b>Last SDI Surface MWD Survey</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,061.00                               | 22.14           | 54.64       | 2,879.09              | 550.23       | 780.23       | 930.38                  | 1.11                    | -1.08                  | -0.60                 |
| <b>First SDI Production MWD Survey</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,156.00                               | 21.54           | 54.06       | 2,967.27              | 570.82       | 808.95       | 964.88                  | 0.67                    | -0.63                  | -0.61                 |
| 3,250.00                               | 20.84           | 53.56       | 3,054.91              | 590.88       | 836.37       | 998.12                  | 0.77                    | -0.74                  | -0.53                 |
| 3,344.00                               | 21.24           | 54.75       | 3,142.64              | 610.64       | 863.73       | 1,031.08                | 0.62                    | 0.43                   | 1.27                  |
| 3,439.00                               | 18.82           | 53.26       | 3,231.89              | 629.74       | 890.06       | 1,062.88                | 2.60                    | -2.55                  | -1.57                 |
| 3,533.00                               | 16.18           | 60.20       | 3,321.54              | 645.33       | 913.59       | 1,090.18                | 3.58                    | -2.81                  | 7.38                  |
| 3,627.00                               | 17.67           | 62.13       | 3,411.47              | 658.51       | 937.56       | 1,115.99                | 1.69                    | 1.59                   | 2.05                  |
| 3,721.00                               | 21.27           | 61.08       | 3,500.08              | 673.42       | 965.11       | 1,145.48                | 3.85                    | 3.83                   | -1.12                 |
| 3,816.00                               | 22.51           | 58.62       | 3,588.23              | 691.23       | 995.72       | 1,179.16                | 1.62                    | 1.31                   | -2.59                 |
| 3,910.00                               | 22.73           | 56.96       | 3,675.00              | 710.50       | 1,026.30     | 1,213.92                | 0.72                    | 0.23                   | -1.77                 |
| 4,004.00                               | 21.90           | 55.89       | 3,761.96              | 730.23       | 1,056.04     | 1,248.46                | 0.98                    | -0.88                  | -1.14                 |
| 4,099.00                               | 20.49           | 54.57       | 3,850.53              | 749.81       | 1,084.26     | 1,281.87                | 1.57                    | -1.48                  | -1.39                 |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
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| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Site:</b>     | TR 32-23-597 Pad          | <b>MD Reference:</b>                | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Well:</b>     | TR 12-24-597              | <b>North Reference:</b>             | True  |
| <b>Wellbore:</b> | OH                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                             |
| <b>Design:</b>   | OH                        | <b>Database:</b>                    | Grand Junction District                       |

| 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) |
| 4,193.00              | 20.66           | 56.24       | 3,938.54              | 768.56       | 1,111.45     | 1,313.98                | 0.65                    | 0.18                   | 1.78                  |
| 4,288.00              | 20.84           | 54.05       | 4,027.38              | 787.79       | 1,139.07     | 1,346.73                | 0.84                    | 0.19                   | -2.31                 |
| 4,382.00              | 21.02           | 53.96       | 4,115.17              | 807.53       | 1,166.24     | 1,379.55                | 0.19                    | 0.19                   | -0.10                 |
| 4,477.00              | 21.19           | 54.40       | 4,203.80              | 827.55       | 1,193.97     | 1,412.97                | 0.24                    | 0.18                   | 0.46                  |
| 4,571.00              | 20.12           | 53.31       | 4,291.76              | 847.10       | 1,220.75     | 1,445.40                | 1.21                    | -1.14                  | -1.16                 |
| 4,666.00              | 20.84           | 55.19       | 4,380.75              | 866.51       | 1,247.73     | 1,477.85                | 1.03                    | 0.76                   | 1.98                  |
| 4,760.00              | 21.37           | 54.13       | 4,468.45              | 886.09       | 1,275.34     | 1,510.85                | 0.69                    | 0.56                   | -1.13                 |
| 4,855.00              | 20.58           | 54.38       | 4,557.15              | 905.95       | 1,302.94     | 1,544.07                | 0.84                    | -0.83                  | 0.26                  |
| 4,949.00              | 19.95           | 53.93       | 4,645.33              | 925.02       | 1,329.33     | 1,575.87                | 0.69                    | -0.67                  | -0.48                 |
| 5,045.00              | 18.55           | 54.40       | 4,735.97              | 943.55       | 1,354.98     | 1,606.79                | 1.47                    | -1.46                  | 0.49                  |
| 5,140.00              | 17.23           | 52.73       | 4,826.37              | 960.87       | 1,378.47     | 1,635.36                | 1.49                    | -1.39                  | -1.76                 |
| 5,235.00              | 15.83           | 53.26       | 4,917.44              | 977.14       | 1,400.05     | 1,661.88                | 1.48                    | -1.47                  | 0.56                  |
| 5,330.00              | 15.04           | 52.90       | 5,009.01              | 992.33       | 1,420.26     | 1,686.68                | 0.84                    | -0.83                  | -0.38                 |
| 5,424.00              | 13.81           | 50.18       | 5,100.05              | 1,006.87     | 1,438.61     | 1,709.75                | 1.49                    | -1.31                  | -2.89                 |
| 5,519.00              | 12.75           | 49.12       | 5,192.51              | 1,020.99     | 1,455.24     | 1,731.37                | 1.14                    | -1.12                  | -1.12                 |
| 5,615.00              | 11.61           | 48.07       | 5,286.35              | 1,034.38     | 1,470.44     | 1,751.48                | 1.21                    | -1.19                  | -1.09                 |
| 5,710.00              | 10.99           | 49.21       | 5,379.50              | 1,046.68     | 1,484.41     | 1,769.96                | 0.69                    | -0.65                  | 1.20                  |
| 5,804.00              | 9.94            | 48.68       | 5,471.94              | 1,057.89     | 1,497.29     | 1,786.90                | 1.12                    | -1.12                  | -0.56                 |
| 5,899.00              | 8.94            | 47.32       | 5,565.65              | 1,068.31     | 1,508.87     | 1,802.39                | 1.08                    | -1.05                  | -1.43                 |
| 5,994.00              | 8.44            | 61.17       | 5,659.57              | 1,076.68     | 1,520.41     | 1,816.32                | 2.26                    | -0.53                  | 14.58                 |
| 6,088.00              | 7.74            | 60.37       | 5,752.64              | 1,083.14     | 1,531.95     | 1,828.83                | 0.75                    | -0.74                  | -0.85                 |
| 6,183.00              | 7.21            | 58.79       | 5,846.83              | 1,089.39     | 1,542.61     | 1,840.60                | 0.60                    | -0.56                  | -1.66                 |
| 6,277.00              | 6.68            | 56.42       | 5,940.14              | 1,095.47     | 1,552.21     | 1,851.53                | 0.64                    | -0.56                  | -2.52                 |
| 6,372.00              | 6.16            | 57.30       | 6,034.54              | 1,101.28     | 1,561.10     | 1,861.79                | 0.56                    | -0.55                  | 0.93                  |
| 6,466.00              | 5.80            | 55.80       | 6,128.03              | 1,106.67     | 1,569.28     | 1,871.26                | 0.42                    | -0.38                  | -1.60                 |
| 6,561.00              | 5.54            | 55.36       | 6,222.57              | 1,111.98     | 1,577.02     | 1,880.38                | 0.28                    | -0.27                  | -0.46                 |
| 6,655.00              | 5.19            | 54.75       | 6,316.15              | 1,117.01     | 1,584.22     | 1,888.94                | 0.38                    | -0.37                  | -0.65                 |
| 6,749.00              | 4.84            | 54.49       | 6,409.79              | 1,121.77     | 1,590.92     | 1,896.95                | 0.37                    | -0.37                  | -0.28                 |
| 6,844.00              | 2.90            | 71.71       | 6,504.58              | 1,124.85     | 1,596.47     | 1,902.95                | 2.36                    | -2.04                  | 18.13                 |
| 6,908.51              | 1.37            | 86.45       | 6,569.04              | 1,125.41     | 1,598.79     | 1,904.91                | 2.50                    | -2.37                  | 22.84                 |
| TR 12-24-597 MVRD     |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,938.00              | 0.79            | 111.70      | 6,598.52              | 1,125.36     | 1,599.33     | 1,905.23                | 2.50                    | -1.97                  | 85.65                 |
| 7,033.00              | 0.18            | 192.56      | 6,693.52              | 1,124.97     | 1,599.91     | 1,905.33                | 0.82                    | -0.64                  | 85.12                 |
| 7,127.00              | 0.18            | 291.79      | 6,787.52              | 1,124.88     | 1,599.74     | 1,905.15                | 0.29                    | 0.00                   | 105.56                |
| 7,222.00              | 0.79            | 280.45      | 6,882.52              | 1,125.05     | 1,598.95     | 1,904.76                | 0.65                    | 0.64                   | -11.94                |
| 7,316.00              | 0.79            | 259.89      | 6,976.51              | 1,125.06     | 1,597.68     | 1,903.91                | 0.30                    | 0.00                   | -21.87                |
| 7,411.00              | 0.97            | 262.43      | 7,071.50              | 1,124.84     | 1,596.24     | 1,902.78                | 0.19                    | 0.19                   | 2.67                  |
| 7,505.00              | 0.88            | 53.52       | 7,165.49              | 1,125.16     | 1,596.03     | 1,902.88                | 1.91                    | -0.10                  | 160.73                |
| 7,600.00              | 1.14            | 52.11       | 7,260.48              | 1,126.17     | 1,597.36     | 1,904.53                | 0.27                    | 0.27                   | -1.48                 |
| 7,694.00              | 0.79            | 46.49       | 7,354.46              | 1,127.19     | 1,598.57     | 1,906.09                | 0.39                    | -0.37                  | -5.98                 |
| 7,789.00              | 0.70            | 35.59       | 7,449.46              | 1,128.12     | 1,599.38     | 1,907.32                | 0.18                    | -0.09                  | -11.47                |
| 7,883.00              | 0.70            | 1.05        | 7,543.45              | 1,129.16     | 1,599.73     | 1,908.33                | 0.44                    | 0.00                   | -36.74                |

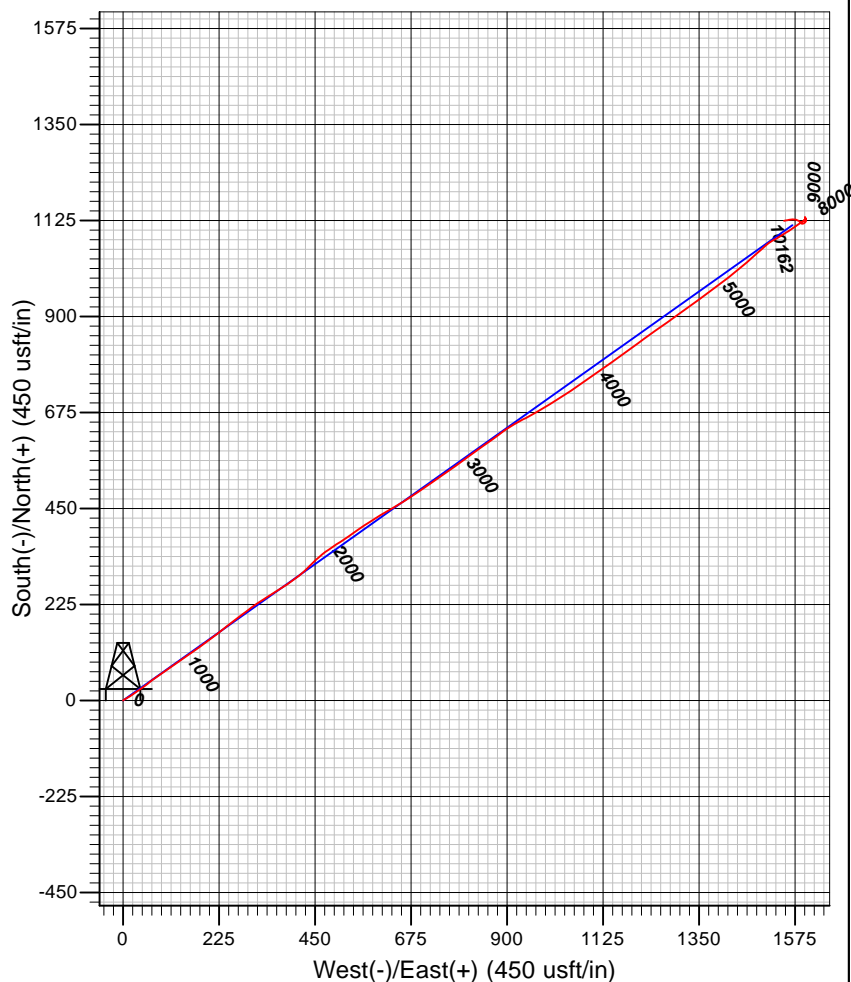
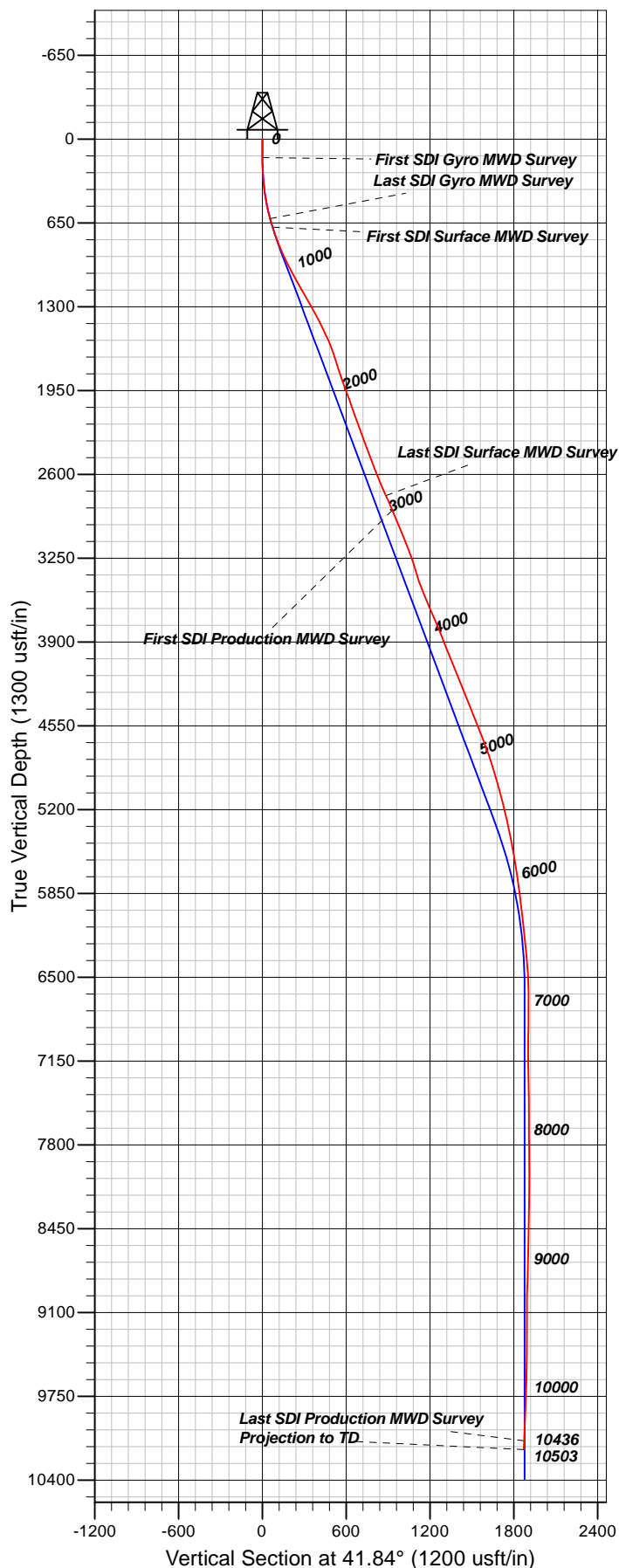
|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well TR 12-24-597 - Slot A12 (TR 12-24-597)   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Site:</b>     | TR 32-23-597 Pad          | <b>MD Reference:</b>                | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Well:</b>     | TR 12-24-597              | <b>North Reference:</b>             | True  |
| <b>Wellbore:</b> | OH                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                             |
| <b>Design:</b>   | OH                        | <b>Database:</b>                    | Grand Junction District                       |

| 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) |  |
| 7,978.00                             | 0.62            | 330.73      | 7,638.44              | 1,130.19     | 1,599.49     | 1,908.93                | 0.37                    | -0.08                  | -31.92                |  |
| 8,072.00                             | 0.79            | 314.64      | 7,732.44              | 1,131.09     | 1,598.78     | 1,909.13                | 0.28                    | 0.18                   | -17.12                |  |
| 8,167.00                             | 0.44            | 56.24       | 7,827.43              | 1,131.75     | 1,598.61     | 1,909.52                | 1.03                    | -0.37                  | 106.95                |  |
| 8,261.00                             | 0.44            | 2.19        | 7,921.43              | 1,132.31     | 1,598.93     | 1,910.14                | 0.43                    | 0.00                   | -57.50                |  |
| 8,356.00                             | 0.18            | 307.61      | 8,016.43              | 1,132.77     | 1,598.82     | 1,910.41                | 0.39                    | -0.27                  | -57.45                |  |
| 8,450.00                             | 0.44            | 281.86      | 8,110.43              | 1,132.93     | 1,598.35     | 1,910.22                | 0.31                    | 0.28                   | -27.39                |  |
| 8,545.00                             | 1.23            | 155.30      | 8,205.42              | 1,132.08     | 1,598.42     | 1,909.63                | 1.61                    | 0.83                   | -133.22               |  |
| 8,639.00                             | 1.76            | 150.73      | 8,299.39              | 1,129.90     | 1,599.55     | 1,908.77                | 0.58                    | 0.56                   | -4.86                 |  |
| 8,734.00                             | 1.58            | 165.32      | 8,394.35              | 1,127.36     | 1,600.59     | 1,907.57                | 0.48                    | -0.19                  | 15.36                 |  |
| 8,829.00                             | 1.41            | 183.07      | 8,489.32              | 1,124.93     | 1,600.86     | 1,905.94                | 0.52                    | -0.18                  | 18.68                 |  |
| 8,923.00                             | 1.58            | 208.03      | 8,583.29              | 1,122.63     | 1,600.19     | 1,903.78                | 0.71                    | 0.18                   | 26.55                 |  |
| 9,018.00                             | 1.13            | 225.27      | 8,678.26              | 1,120.82     | 1,598.91     | 1,901.57                | 0.63                    | -0.47                  | 18.15                 |  |
| 9,112.00                             | 1.23            | 229.21      | 8,772.24              | 1,119.50     | 1,597.49     | 1,899.64                | 0.14                    | 0.11                   | 4.19                  |  |
| 9,207.00                             | 1.64            | 244.87      | 8,867.21              | 1,118.26     | 1,595.49     | 1,897.38                | 0.59                    | 0.43                   | 16.48                 |  |
| 9,301.00                             | 2.20            | 260.24      | 8,961.16              | 1,117.38     | 1,592.49     | 1,894.73                | 0.80                    | 0.60                   | 16.35                 |  |
| 9,396.00                             | 0.88            | 310.51      | 9,056.12              | 1,117.55     | 1,590.14     | 1,893.28                | 1.87                    | -1.39                  | 52.92                 |  |
| 9,491.00                             | 1.14            | 335.74      | 9,151.11              | 1,118.88     | 1,589.20     | 1,893.65                | 0.54                    | 0.27                   | 26.56                 |  |
| 9,585.00                             | 1.86            | 316.03      | 9,245.08              | 1,120.83     | 1,587.75     | 1,894.14                | 0.93                    | 0.77                   | -20.97                |  |
| 9,680.00                             | 2.37            | 306.38      | 9,340.01              | 1,123.11     | 1,585.10     | 1,894.07                | 0.65                    | 0.54                   | -10.16                |  |
| 9,774.00                             | 2.64            | 294.60      | 9,433.92              | 1,125.16     | 1,581.57     | 1,893.24                | 0.62                    | 0.29                   | -12.53                |  |
| 9,869.00                             | 2.46            | 285.11      | 9,528.83              | 1,126.60     | 1,577.61     | 1,891.67                | 0.48                    | -0.19                  | -9.99                 |  |
| 9,964.00                             | 2.25            | 275.48      | 9,623.75              | 1,127.31     | 1,573.79     | 1,889.65                | 0.47                    | -0.22                  | -10.14                |  |
| 10,058.00                            | 2.53            | 268.56      | 9,717.67              | 1,127.44     | 1,569.87     | 1,887.14                | 0.43                    | 0.30                   | -7.36                 |  |
| 10,153.00                            | 2.55            | 261.47      | 9,812.58              | 1,127.07     | 1,565.69     | 1,884.07                | 0.33                    | 0.02                   | -7.46                 |  |
| 10,247.00                            | 2.29            | 263.58      | 9,906.49              | 1,126.55     | 1,561.75     | 1,881.06                | 0.29                    | -0.28                  | 2.24                  |  |
| 10,342.00                            | 2.81            | 259.45      | 10,001.40             | 1,125.91     | 1,557.58     | 1,877.80                | 0.58                    | 0.55                   | -4.35                 |  |
| 10,436.00                            | 3.12            | 256.57      | 10,095.27             | 1,124.90     | 1,552.83     | 1,873.87                | 0.37                    | 0.33                   | -3.06                 |  |
| Last SDI Production MWD Survey       |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 10,503.00                            | 3.12            | 256.57      | 10,162.17             | 1,124.05     | 1,549.28     | 1,870.87                | 0.00                    | 0.00                   | 0.00                  |  |
| Projection to TD - TR 12-24-597 PBHL |                 |             |                       |              |              |                         |                         |                        |                       |  |

| Design Annotations    |                       |                   |              |                                 |  |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                 |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                         |  |
| 143.00                | 143.00                | 0.38              | 0.21         | First SDI Gyro MWD Survey       |  |
| 621.00                | 616.37                | 31.44             | 47.49        | Last SDI Gyro MWD Survey        |  |
| 690.00                | 682.82                | 42.72             | 62.25        | First SDI Surface MWD Survey    |  |
| 2,937.00              | 2,764.79              | 522.67            | 740.84       | Last SDI Surface MWD Survey     |  |
| 3,061.00              | 2,879.09              | 550.23            | 780.23       | First SDI Production MWD Survey |  |
| 10,436.00             | 10,095.27             | 1,124.90          | 1,552.83     | Last SDI Production MWD Survey  |  |
| 10,503.00             | 10,162.17             | 1,124.05          | 1,549.28     | Projection to TD                |  |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well TR 12-24-597 - Slot A12 (TR 12-24-597)   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Site:</b>     | TR 32-23-597 Pad          | <b>MD Reference:</b>                | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| <b>Well:</b>     | TR 12-24-597              | <b>North Reference:</b>             | True  |
| <b>Wellbore:</b> | OH                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                             |
| <b>Design:</b>   | OH                        | <b>Database:</b>                    | Grand Junction District                       |

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



#### Well Details: TR 12-24-597

| +N/-S | +E/-W | Northing   | Easting    | Latitude   | Longitude    | Slot           |
|-------|-------|------------|------------|------------|--------------|----------------|
| 0.00  | 0.00  | 1654899.00 | 2227644.00 | 39.5994964 | -108.2413612 | (TR 12-24-597) |

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well TR 12-24-597 - Slot A12 (TR 12-24-597), True North  
 Vertical (TVD) Reference: GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318)  
 Section (VS) Reference: Slot - A12 (TR 12-24-597)(0.00N, 0.00E)  
 Measured Depth Reference: GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318)  
 Calculation Method: Minimum Curvature

#### PROJECT DETAILS: Garfield County, CO NAD83

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone

System Datum: Mean Sea Level

Plan: OH

12:08, July 13 2017  
 Created By: Mel Mireles Jr.