



## Directional Survey Certification

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

|                            |                         |
|----------------------------|-------------------------|
| <b>Operator</b>            | TEP Rocky Mountain, LLC |
| <b>Well Name &amp; No.</b> | TR 524-21-597           |
| <b>County &amp; State</b>  | Garfield, CO            |
| <b>SDI Job No.</b>         | OP.000540               |
| <b>Rig</b>                 | H&P 271                 |

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 147 feet to a measured depth of 9,330 feet is true and correct as determined from all available records.

  
\_\_\_\_\_  
Signature

3-May-17  
\_\_\_\_\_  
Date

**Janie Collins**  
Colorado District Well Planner  
Scientific Drilling International

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well Chevron TR 524-21-597 - Slot A11 (TR 524-21-597) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Site:</b>     | TR 24-21-597 Pad          | <b>MD Reference:</b>                | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Well:</b>     | Chevron TR 524-21-597     | <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     |                      |                |

|                       |           |                  |                   |                   |              |
|-----------------------|-----------|------------------|-------------------|-------------------|--------------|
| Site                  |           | TR 24-21-597 Pad |                   |                   |              |
| Site Position:        |           | Northing:        | 1,653,248.80 usft | Latitude:         | 39.5939185   |
| From:                 | Map       | Easting:         | 2,215,073.70 usft | Longitude:        | -108.2857609 |
| Position Uncertainty: | 0.00 usft | Slot Radius:     | 13.20 in          | Grid Convergence: | -1.76 °      |

|                      |  |           |                     |                   |               |               |
|----------------------|--|-----------|---------------------|-------------------|---------------|---------------|
| Well                 | Chevron TR 524-21-597 - Slot A11 (TR 524-21-597) |           |                     |                   |               |               |
| Well Position        | +N/-S  | 0.00 usft | Northing:           | 1,653,181.00 usft | Latitude:     | 39.5937297    |
|                      | +E/-W  | 0.00 usft | Easting:            | 2,215,041.70 usft | Longitude:    | -108.2858670  |
| Position Uncertainty |  | 0.00 usft | Wellhead Elevation: | 0.00 usft         | Ground Level: | 8,292.00 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              | 2/10/2017          | 9.83                   | 65.92                | 51,656                     |
|                  | HDGM              | 4/10/2017          | 9.82                   | 65.92                | 51,637                     |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <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                | 143.85               |      |

|                       |                  |  |                  |                                    |  |
|-----------------------|------------------|--|------------------|------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 5/3/2017                               |                  |                                    |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>               | <b>Tool Name</b> | <b>Description</b>                 |  |
| 147.00                | 417.00           | Survey #1 - Gyro MWD Survey (OH)       | SDI Gyro MWD 104 | SDI Gyro MWD Error Model Ver 1.0.4 |  |
| 488.00                | 2,504.00         | Survey #2 - Surface MWD Survey (OH)    | SDI MWD          | SDI MWD - Standard ver 1.0.1       |  |
| 2,621.00              | 9,330.00         | 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                         |  |
| 147.00                           | 0.26                   | 210.41             | 147.00                       | -0.29               | -0.17               | 0.13                           | 0.18                           | 0.18                          | 0.00                         |  |
| <b>First SDI Gyro MWD Survey</b> |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| 207.00                           | 0.79                   | 157.15             | 207.00                       | -0.79               | -0.08               | 0.59                           | 1.11                           | 0.88                          | -88.77                       |  |
| 237.00                           | 0.88                   | 160.75             | 236.99                       | -1.19               | 0.08                | 1.01                           | 0.35                           | 0.30                          | 12.00                        |  |
| 327.00                           | 2.29                   | 149.06             | 326.96                       | -3.39               | 1.23                | 3.46                           | 1.60                           | 1.57                          | -12.99                       |  |
| 417.00                           | 2.90                   | 150.29             | 416.86                       | -6.91               | 3.28                | 7.52                           | 0.68                           | 0.68                          | 1.37                         |  |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well Chevron TR 524-21-597 - Slot A11 (TR 524-21-597) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Site:</b>     | TR 24-21-597 Pad          | <b>MD Reference:</b>                | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Well:</b>     | Chevron TR 524-21-597     | <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) |
| <b>Last SDI Gyro MWD Survey</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 488.00                              | 3.36            | 145.80      | 487.76                | -10.19       | 5.34         | 11.38                   | 0.73                    | 0.65                   | -6.32                 |
| <b>First SDI Surface MWD Survey</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 578.00                              | 3.57            | 143.79      | 577.59                | -14.63       | 8.48         | 16.82                   | 0.27                    | 0.23                   | -2.23                 |
| 672.00                              | 3.83            | 142.77      | 671.40                | -19.49       | 12.11        | 22.88                   | 0.29                    | 0.28                   | -1.09                 |
| 764.00                              | 3.80            | 141.60      | 763.19                | -24.33       | 15.86        | 29.00                   | 0.09                    | -0.03                  | -1.27                 |
| 857.00                              | 4.15            | 139.89      | 855.97                | -29.32       | 19.94        | 35.44                   | 0.40                    | 0.38                   | -1.84                 |
| 952.00                              | 4.25            | 139.44      | 950.72                | -34.62       | 24.45        | 42.38                   | 0.11                    | 0.11                   | -0.47                 |
| 1,046.00                            | 4.44            | 135.98      | 1,044.45              | -39.88       | 29.24        | 49.45                   | 0.34                    | 0.20                   | -3.68                 |
| 1,141.00                            | 4.48            | 133.40      | 1,139.16              | -45.08       | 34.49        | 56.75                   | 0.22                    | 0.04                   | -2.72                 |
| 1,235.00                            | 4.26            | 146.16      | 1,232.89              | -50.50       | 39.10        | 63.84                   | 1.06                    | -0.23                  | 13.57                 |
| 1,330.00                            | 4.31            | 150.80      | 1,327.62              | -56.55       | 42.81        | 70.91                   | 0.37                    | 0.05                   | 4.88                  |
| 1,425.00                            | 4.38            | 145.93      | 1,422.35              | -62.67       | 46.58        | 78.08                   | 0.40                    | 0.07                   | -5.13                 |
| 1,519.00                            | 4.27            | 143.48      | 1,516.08              | -68.45       | 50.68        | 85.17                   | 0.23                    | -0.12                  | -2.61                 |
| 1,614.00                            | 4.48            | 141.40      | 1,610.80              | -74.19       | 55.10        | 92.41                   | 0.28                    | 0.22                   | -2.19                 |
| 1,708.00                            | 4.28            | 133.93      | 1,704.53              | -79.50       | 59.91        | 99.54                   | 0.64                    | -0.21                  | -7.95                 |
| 1,803.00                            | 4.06            | 144.38      | 1,799.28              | -84.69       | 64.43        | 106.39                  | 0.83                    | -0.23                  | 11.00                 |
| 1,897.00                            | 3.79            | 151.32      | 1,893.06              | -90.12       | 67.86        | 112.80                  | 0.58                    | -0.29                  | 7.38                  |
| 1,992.00                            | 3.81            | 148.20      | 1,987.85              | -95.56       | 71.03        | 119.06                  | 0.22                    | 0.02                   | -3.28                 |
| 2,086.00                            | 3.76            | 147.89      | 2,081.65              | -100.82      | 74.31        | 125.25                  | 0.06                    | -0.05                  | -0.33                 |
| 2,181.00                            | 3.91            | 145.39      | 2,176.43              | -106.13      | 77.80        | 131.59                  | 0.24                    | 0.16                   | -2.63                 |
| 2,275.00                            | 3.81            | 145.45      | 2,270.22              | -111.34      | 81.40        | 137.92                  | 0.11                    | -0.11                  | 0.06                  |
| 2,370.00                            | 3.99            | 145.29      | 2,365.00              | -116.65      | 85.07        | 144.38                  | 0.19                    | 0.19                   | -0.17                 |
| 2,464.00                            | 4.29            | 141.62      | 2,458.76              | -122.10      | 89.11        | 151.16                  | 0.43                    | 0.32                   | -3.90                 |
| 2,504.00                            | 4.40            | 143.51      | 2,498.64              | -124.51      | 90.95        | 154.19                  | 0.45                    | 0.28                   | 4.73                  |
| <b>Last SDI Surface MWD Survey</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,621.00                            | 4.76            | 143.07      | 2,615.27              | -131.99      | 96.54        | 163.53                  | 0.31                    | 0.31                   | -0.38                 |
| <b>First SDI Production Survey</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,684.00                            | 4.05            | 135.50      | 2,678.08              | -135.67      | 99.67        | 168.35                  | 1.45                    | -1.13                  | -12.02                |
| 2,779.00                            | 4.13            | 143.41      | 2,772.84              | -140.81      | 104.06       | 175.09                  | 0.60                    | 0.08                   | 8.33                  |
| 2,873.00                            | 4.81            | 143.96      | 2,866.55              | -146.71      | 108.40       | 182.41                  | 0.72                    | 0.72                   | 0.59                  |
| 2,968.00                            | 4.50            | 145.39      | 2,961.24              | -153.00      | 112.86       | 190.12                  | 0.35                    | -0.33                  | 1.51                  |
| 3,062.00                            | 3.99            | 149.98      | 3,054.98              | -158.87      | 116.59       | 197.06                  | 0.65                    | -0.54                  | 4.88                  |
| 3,157.00                            | 5.10            | 144.47      | 3,149.68              | -165.17      | 120.70       | 204.57                  | 1.25                    | 1.17                   | -5.80                 |
| 3,251.00                            | 5.01            | 147.90      | 3,243.32              | -172.04      | 125.30       | 212.84                  | 0.34                    | -0.10                  | 3.65                  |
| 3,346.00                            | 4.61            | 146.03      | 3,337.98              | -178.72      | 129.64       | 220.79                  | 0.45                    | -0.42                  | -1.97                 |
| 3,440.00                            | 4.21            | 149.56      | 3,431.70              | -184.83      | 133.50       | 228.00                  | 0.51                    | -0.43                  | 3.76                  |
| 3,535.00                            | 3.96            | 153.96      | 3,526.46              | -190.79      | 136.71       | 234.70                  | 0.42                    | -0.26                  | 4.63                  |
| 3,629.00                            | 4.57            | 148.25      | 3,620.20              | -196.89      | 140.10       | 241.63                  | 0.79                    | 0.65                   | -6.07                 |
| 3,724.00                            | 4.40            | 152.91      | 3,714.91              | -203.35      | 143.75       | 249.00                  | 0.42                    | -0.18                  | 4.91                  |
| 3,818.00                            | 5.10            | 135.59      | 3,808.59              | -209.55      | 148.32       | 256.70                  | 1.69                    | 0.74                   | -18.43                |
| 3,913.00                            | 4.75            | 135.86      | 3,903.24              | -215.38      | 154.01       | 264.77                  | 0.37                    | -0.37                  | 0.28                  |
| 4,007.00                            | 4.69            | 136.47      | 3,996.92              | -220.96      | 159.37       | 272.44                  | 0.08                    | -0.06                  | 0.65                  |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
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| <b>Site:</b>     | TR 24-21-597 Pad          | <b>MD Reference:</b>                | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Well:</b>     | Chevron TR 524-21-597     | <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                               |

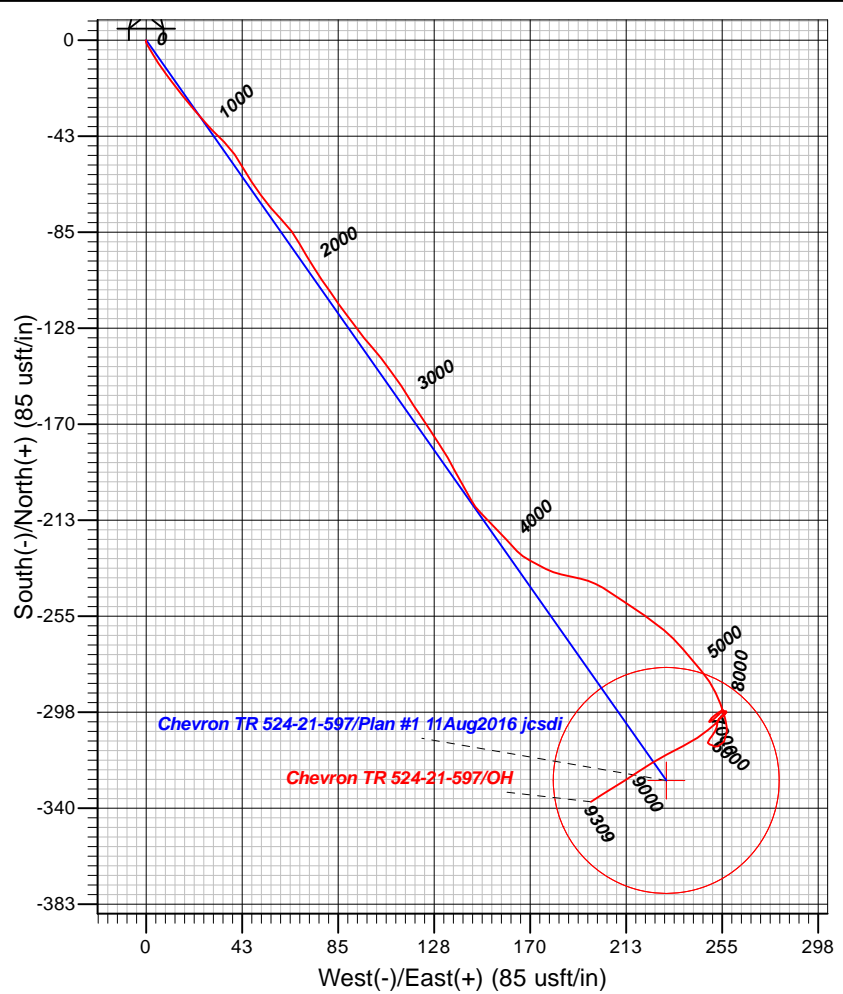
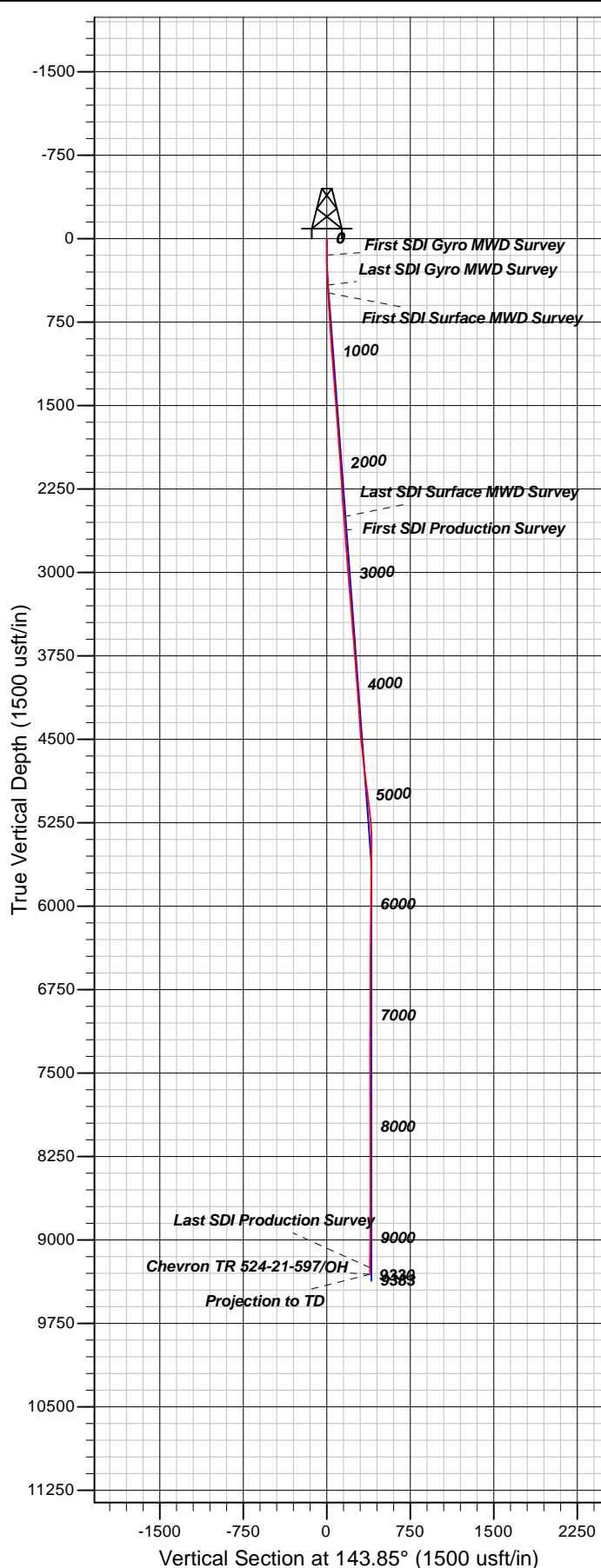
| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 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) |
| 4,102.00              | 3.96            | 137.96      | 4,091.65              | -226.22      | 164.24       | 279.55                  | 0.78                    | -0.77                  | 1.57                  |
| 4,196.00              | 4.92            | 116.52      | 4,185.37              | -230.43      | 170.02       | 286.36                  | 2.02                    | 1.02                   | -22.81                |
| 4,291.00              | 4.50            | 118.68      | 4,280.05              | -234.03      | 176.94       | 293.35                  | 0.48                    | -0.44                  | 2.27                  |
| 4,385.00              | 4.48            | 101.93      | 4,373.77              | -236.56      | 183.77       | 299.42                  | 1.39                    | -0.02                  | -17.82                |
| 4,480.00              | 6.16            | 102.63      | 4,468.36              | -238.44      | 192.37       | 306.02                  | 1.77                    | 1.77                   | 0.74                  |
| 4,575.00              | 6.68            | 120.83      | 4,562.77              | -242.39      | 202.09       | 314.94                  | 2.20                    | 0.55                   | 19.16                 |
| 4,669.00              | 7.03            | 125.22      | 4,656.10              | -248.51      | 211.48       | 325.42                  | 0.67                    | 0.37                   | 4.67                  |
| 4,763.00              | 6.42            | 122.94      | 4,749.45              | -254.69      | 220.59       | 335.78                  | 0.71                    | -0.65                  | -2.43                 |
| 4,858.00              | 6.68            | 130.58      | 4,843.83              | -261.17      | 229.25       | 346.12                  | 0.96                    | 0.27                   | 8.04                  |
| 4,952.00              | 7.74            | 139.28      | 4,937.09              | -269.52      | 237.53       | 357.75                  | 1.62                    | 1.13                   | 9.26                  |
| 5,047.00              | 7.56            | 139.81      | 5,031.25              | -279.14      | 245.74       | 370.36                  | 0.20                    | -0.19                  | 0.56                  |
| 5,141.00              | 6.77            | 154.40      | 5,124.52              | -288.87      | 252.12       | 381.98                  | 2.10                    | -0.84                  | 15.52                 |
| 5,236.00              | 5.89            | 164.51      | 5,218.94              | -298.61      | 255.84       | 392.05                  | 1.49                    | -0.93                  | 10.64                 |
| 5,331.00              | 3.52            | 182.79      | 5,313.62              | -306.23      | 257.00       | 398.88                  | 2.92                    | -2.49                  | 19.24                 |
| 5,425.00              | 2.29            | 216.71      | 5,407.50              | -310.61      | 255.74       | 401.67                  | 2.19                    | -1.31                  | 36.09                 |
| 5,520.00              | 1.85            | 252.40      | 5,502.45              | -312.60      | 253.14       | 401.75                  | 1.41                    | -0.46                  | 37.57                 |
| 5,614.00              | 0.53            | 322.45      | 5,596.43              | -312.71      | 251.43       | 400.83                  | 1.85                    | -1.40                  | 74.52                 |
| 5,709.00              | 0.62            | 291.33      | 5,691.42              | -312.18      | 250.69       | 399.96                  | 0.34                    | 0.09                   | -32.76                |
| 5,803.00              | 1.06            | 287.29      | 5,785.41              | -311.73      | 249.38       | 398.83                  | 0.47                    | 0.47                   | -4.30                 |
| 5,898.00              | 0.62            | 4.63        | 5,880.40              | -310.96      | 248.58       | 397.73                  | 1.16                    | -0.46                  | 81.41                 |
| 5,992.00              | 1.76            | 35.84       | 5,974.38              | -309.28      | 249.47       | 396.90                  | 1.35                    | 1.21                   | 33.20                 |
| 6,087.00              | 1.49            | 35.66       | 6,069.34              | -307.10      | 251.05       | 396.07                  | 0.28                    | -0.28                  | -0.19                 |
| 6,181.00              | 1.23            | 21.77       | 6,163.32              | -305.17      | 252.13       | 395.15                  | 0.44                    | -0.28                  | -14.78                |
| 6,276.00              | 0.88            | 18.61       | 6,258.30              | -303.53      | 252.74       | 394.19                  | 0.37                    | -0.37                  | -3.33                 |
| 6,370.00              | 0.44            | 346.79      | 6,352.30              | -302.49      | 252.89       | 393.44                  | 0.59                    | -0.47                  | -33.85                |
| 6,465.00              | 0.88            | 10.87       | 6,447.29              | -301.42      | 252.94       | 392.60                  | 0.54                    | 0.46                   | 25.35                 |
| 6,559.00              | 1.32            | 51.74       | 6,541.27              | -300.04      | 253.93       | 392.07                  | 0.93                    | 0.47                   | 43.48                 |
| 6,654.00              | 0.79            | 49.37       | 6,636.26              | -298.94      | 255.29       | 391.98                  | 0.56                    | -0.56                  | -2.49                 |
| 6,748.00              | 0.44            | 47.96       | 6,730.25              | -298.28      | 256.05       | 391.89                  | 0.37                    | -0.37                  | -1.50                 |
| 6,843.00              | 0.35            | 330.09      | 6,825.25              | -297.78      | 256.17       | 391.57                  | 0.53                    | -0.09                  | -81.97                |
| 6,938.00              | 0.79            | 271.82      | 6,920.25              | -297.51      | 255.37       | 390.87                  | 0.71                    | 0.46                   | -61.34                |
| 7,032.00              | 0.62            | 240.01      | 7,014.24              | -297.74      | 254.29       | 390.42                  | 0.45                    | -0.18                  | -33.84                |
| 7,127.00              | 1.23            | 220.76      | 7,109.23              | -298.77      | 253.18       | 390.60                  | 0.71                    | 0.64                   | -20.26                |
| 7,222.00              | 1.85            | 230.43      | 7,204.19              | -300.52      | 251.33       | 390.92                  | 0.71                    | 0.65                   | 10.18                 |
| 7,316.00              | 0.88            | 234.82      | 7,298.16              | -301.90      | 249.57       | 391.00                  | 1.04                    | -1.03                  | 4.67                  |
| 7,411.00              | 0.88            | 16.15       | 7,393.16              | -301.62      | 249.17       | 390.54                  | 1.75                    | 0.00                   | 148.77                |
| 7,505.00              | 1.58            | 48.32       | 7,487.14              | -300.07      | 250.34       | 389.97                  | 1.02                    | 0.74                   | 34.22                 |
| 7,600.00              | 1.23            | 52.97       | 7,582.11              | -298.58      | 252.14       | 389.83                  | 0.39                    | -0.37                  | 4.89                  |
| 7,694.00              | 1.06            | 54.82       | 7,676.09              | -297.47      | 253.65       | 389.83                  | 0.19                    | -0.18                  | 1.97                  |
| 7,788.00              | 0.62            | 60.01       | 7,770.08              | -296.72      | 254.80       | 389.90                  | 0.47                    | -0.47                  | 5.52                  |
| 7,883.00              | 0.35            | 158.00      | 7,865.08              | -296.73      | 255.36       | 390.24                  | 0.79                    | -0.28                  | 103.15                |
| 7,978.00              | 0.53            | 84.61       | 7,960.08              | -296.96      | 255.90       | 390.74                  | 0.57                    | 0.19                   | -77.25                |
| 8,072.00              | 0.62            | 109.93      | 8,054.07              | -297.09      | 256.81       | 391.39                  | 0.28                    | 0.10                   | 26.94                 |

|                  |                           |                                     |   |
|------------------|---------------------------|-------------------------------------|---|
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>Local Co-ordinate Reference:</b> | Well Chevron TR 524-21-597 - Slot A11 (TR 524-21-597) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>TVD Reference:</b>               | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Site:</b>     | TR 24-21-597 Pad          | <b>MD Reference:</b>                | GL 8292' & RKB 24' @ 8316.00usft (H&P 318)            |
| <b>Well:</b>     | Chevron TR 524-21-597     | <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) |
| 8,167.00                          | 0.79            | 225.77      | 8,149.07              | -297.72      | 256.83       | 391.91                  | 1.26                    | 0.18                   | 121.94                |
| 8,261.00                          | 1.06            | 236.40      | 8,243.05              | -298.66      | 255.64       | 391.96                  | 0.34                    | 0.29                   | 11.31                 |
| 8,356.00                          | 1.58            | 215.57      | 8,338.03              | -300.21      | 254.14       | 392.33                  | 0.74                    | 0.55                   | -21.93                |
| 8,450.00                          | 2.46            | 227.09      | 8,431.97              | -302.63      | 251.91       | 392.97                  | 1.03                    | 0.94                   | 12.26                 |
| 8,545.00                          | 2.90            | 232.18      | 8,526.87              | -305.50      | 248.52       | 393.28                  | 0.53                    | 0.46                   | 5.36                  |
| 8,639.00                          | 4.04            | 235.08      | 8,620.69              | -308.85      | 243.93       | 393.28                  | 1.23                    | 1.21                   | 3.09                  |
| 8,734.00                          | 4.75            | 242.99      | 8,715.41              | -312.55      | 237.68       | 392.59                  | 0.98                    | 0.75                   | 8.33                  |
| 8,828.00                          | 5.19            | 242.38      | 8,809.06              | -316.29      | 230.45       | 391.34                  | 0.47                    | 0.47                   | -0.65                 |
| 8,923.00                          | 4.04            | 239.13      | 8,903.75              | -320.00      | 223.77       | 390.39                  | 1.24                    | -1.21                  | -3.42                 |
| 9,018.00                          | 4.31            | 234.91      | 8,998.50              | -323.77      | 217.97       | 390.02                  | 0.43                    | 0.28                   | -4.44                 |
| 9,112.00                          | 4.40            | 239.13      | 9,092.23              | -327.65      | 211.99       | 389.62                  | 0.35                    | 0.10                   | 4.49                  |
| 9,207.00                          | 4.57            | 237.46      | 9,186.94              | -331.55      | 205.67       | 389.05                  | 0.23                    | 0.18                   | -1.76                 |
| 9,269.00                          | 4.92            | 237.28      | 9,248.72              | -334.32      | 201.35       | 388.73                  | 0.57                    | 0.56                   | -0.29                 |
| <b>Last SDI Production Survey</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,330.00                          | 4.92            | 237.28      | 9,309.50              | -337.15      | 196.95       | 388.42                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Projection to TD</b>           |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Annotations    |                       |                   |              |                              |
|-----------------------|-----------------------|-------------------|--------------|------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                      |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                              |
| 147.00                | 147.00                | -0.29             | -0.17        | First SDI Gyro MWD Survey    |
| 417.00                | 416.86                | -6.91             | 3.28         | Last SDI Gyro MWD Survey     |
| 488.00                | 487.76                | -10.19            | 5.34         | First SDI Surface MWD Survey |
| 2,504.00              | 2,498.64              | -124.51           | 90.95        | Last SDI Surface MWD Survey  |
| 2,621.00              | 2,615.27              | -131.99           | 96.54        | First SDI Production Survey  |
| 9,269.00              | 9,248.72              | -334.32           | 201.35       | Last SDI Production Survey   |
| 9,330.00              | 9,309.50              | -337.15           | 196.95       | Projection to TD             |

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



#### Well Details: Chevron TR 524-21-597

TVD Reference: GL 8292' & RKB 24' @ 8316.00usft (H&P 318) Level: 8292.00

| +N/-S | +E/-W | Northing   | Easting    | Latitude   | Longitude    | Slot          |
|-------|-------|------------|------------|------------|--------------|---------------|
| 0.00  | 0.00  | 1653181.00 | 2215041.70 | 39.5937297 | -108.2853617 | TR 524-21-597 |

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Chevron TR 524-21-597 - Slot A11 (TR 524-21-597), True North  
 Vertical (TVD) Reference: GL 8292' & RKB 24' @ 8316.00usft (H&P 318)  
 Section (VS) Reference: Slot - A11 (TR 524-21-597)(0.00N, 0.00E)  
 Measured Depth Reference: GL 8292' & RKB 24' @ 8316.00usft (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

13:49, May 03 2017  
 Created By: Janie Collins