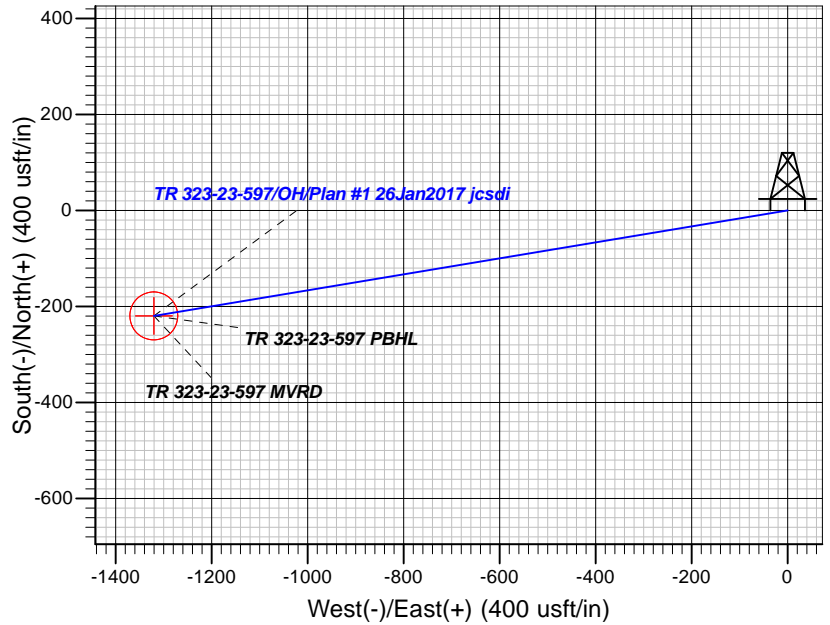
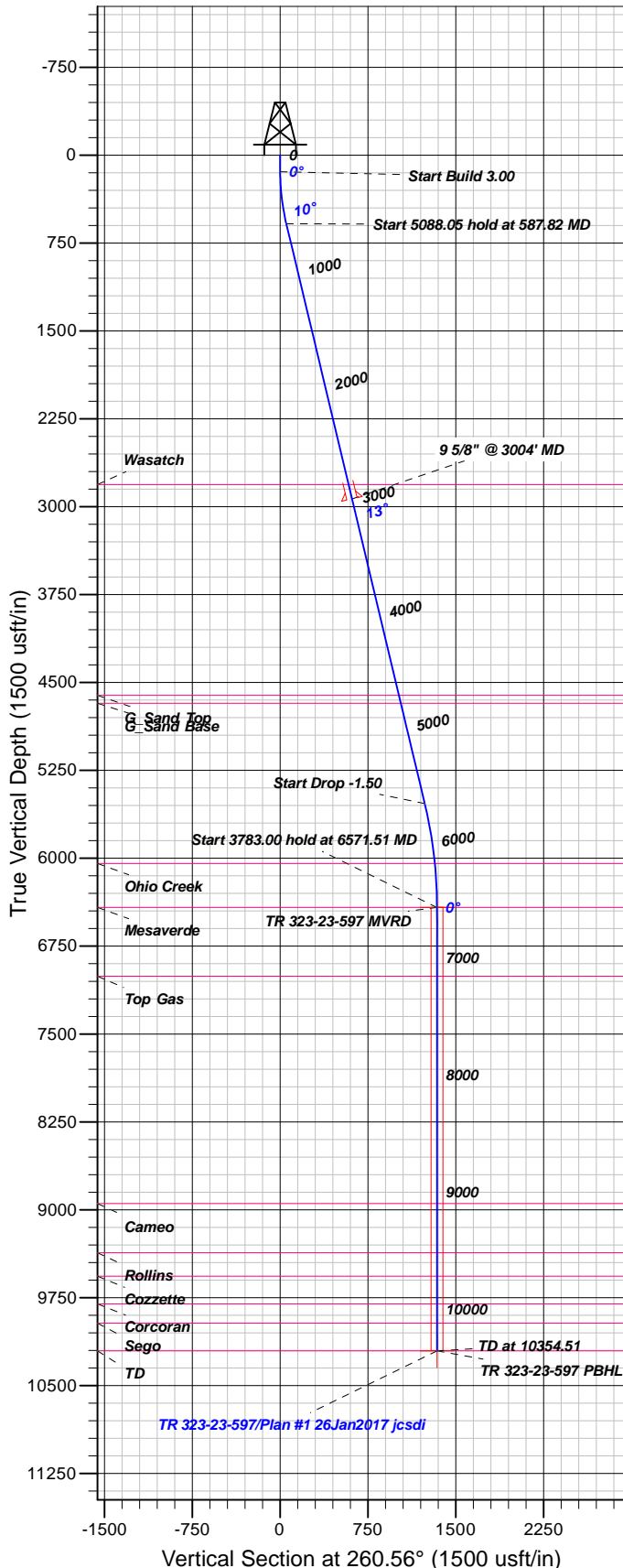


Well Details: TR 323-23-597

GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318)
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1654857.90 2227598.80 39.5993798 -108.2415078 B4 (TR 323-23-597)

T M Azimuths to True North
Magnetic North: 9.80°
Magnetic Field
Strength: 51645.8snT
Dip Angle: 65.93°
Date: 1/26/2017
Model: HDGM



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-------------|
| 2810.00 | 2876.73 | Wasatch |
| 4609.00 | 4726.34 | G_Sand Top |
| 4676.00 | 4795.22 | G_Sand Base |
| 6044.00 | 6194.90 | Ohio Creek |
| 6420.00 | 6571.51 | Mesaverde |
| 7007.00 | 7158.51 | Top Gas |
| 8947.00 | 9098.51 | Cameo |
| 9366.00 | 9517.51 | Rollins |
| 9566.00 | 9717.51 | Cozzette |
| 9803.00 | 9954.51 | Corcoran |
| 9968.00 | 10119.51 | Sego |
| 10203.00 | 10354.51 | TD |

Plan: Plan #1 26Jan2017 jcsdi

12:18, January 30 2017
Created By: Janie Collins

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

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|-------------------|------|
| 2933.79 | 3004.00 | 9 5/8" @ 3004' MD | 9.62 |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Target |
|-----|----------|-------|--------|----------|---------|----------|------|--------|---------|--------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 140.00 | 0.00 | 0.00 | 140.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 587.82 | 13.43 | 260.56 | 583.73 | -8.57 | -51.55 | 3.00 | 260.56 | 52.26 | |
| 4 | 5675.87 | 13.43 | 260.56 | 5532.55 | -202.50 | -1217.67 | 0.00 | 0.00 | 1234.39 | |
| 5 | 6571.51 | 0.00 | 0.00 | 6420.00 | -219.65 | -1320.77 | 1.50 | 180.00 | 338.91 | TR 323-23-597 MVRD |
| 6 | 10354.51 | 0.00 | 0.00 | 10203.00 | -219.65 | -1320.77 | 0.00 | 0.00 | 338.91 | TR 323-23-597 PBHL |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|----------------------------|---------|----------|------------|------------|------------|--------------|------------------------|-------|
| TR 323-23-597 MVRD6420.00 | -219.65 | -1320.77 | 1654678.20 | 2226272.00 | 39.5987767 | -108.2461949 | Circle (Radius: 50.00) | |
| - plan hits target center | | | | | | | | |
| TR 323-23-597 PBHL10203.00 | -219.65 | -1320.77 | 1654678.20 | 2226272.00 | 39.5987767 | -108.2461949 | Point | |
| - plan hits target center | | | | | | | | |



TEP Rocky Mountain LLC

Garfield County, CO NAD83

TR 32-23-597 Pad

TR 323-23-597 - Slot B4 (TR 323-23-597)

OH

Plan: Plan #1 26Jan2017 jcsdi

Standard Planning Report

30 January, 2017



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well TR 323-23-597 - Slot B4 (TR 323-23-597) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Site: | TR 32-23-597 Pad | North Reference: | True |
| Well: | TR 323-23-597 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 26Jan2017 jcsdi | | |

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

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

| | | | | |
|-----------------------------|---|-------------|----------------------------|-------------------|
| Well | TR 323-23-597 - Slot B4 (TR 323-23-597) | | | |
| Well Position | +N/-S | -42.45 usft | Northing: | 1,654,857.90 usft |
| | +E/-W | -43.94 usft | Easting: | 2,227,598.80 usft |
| Position Uncertainty | 0.00 usft | | Wellhead Elevation: | 0.00 usft |
| | | | Ground Level: | 8,545.20 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 1/26/2017 | 9.80 | 65.93 | 51,646 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan #1 26Jan2017 jcsdi | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 260.56 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 140.00 | 0.00 | 0.00 | 140.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 587.82 | 13.43 | 260.56 | 583.73 | -8.57 | -51.55 | 3.00 | 3.00 | 0.00 | 260.56 | |
| 5,675.87 | 13.43 | 260.56 | 5,532.55 | -202.50 | -1,217.67 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,571.51 | 0.00 | 0.00 | 6,420.00 | -219.65 | -1,320.77 | 1.50 | -1.50 | 0.00 | 180.00 | TR 323-23-597 MVRI |
| 10,354.51 | 0.00 | 0.00 | 10,203.00 | -219.65 | -1,320.77 | 0.00 | 0.00 | 0.00 | 0.00 | TR 323-23-597 PBHL |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well TR 323-23-597 - Slot B4 (TR 323-23-597) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Site: | TR 32-23-597 Pad | North Reference: | True |
| Well: | TR 323-23-597 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 26Jan2017 jcsdi | | |

| Planned Survey | | | | | | | | | |
|--------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140.00 | 0.00 | 0.00 | 140.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 1.80 | 260.56 | 199.99 | -0.15 | -0.93 | 0.94 | 3.00 | 3.00 | 0.00 |
| 300.00 | 4.80 | 260.56 | 299.81 | -1.10 | -6.61 | 6.70 | 3.00 | 3.00 | 0.00 |
| 400.00 | 7.80 | 260.56 | 399.20 | -2.90 | -17.43 | 17.67 | 3.00 | 3.00 | 0.00 |
| 500.00 | 10.80 | 260.56 | 497.87 | -5.55 | -33.37 | 33.83 | 3.00 | 3.00 | 0.00 |
| 587.82 | 13.43 | 260.56 | 583.73 | -8.57 | -51.55 | 52.26 | 3.00 | 3.00 | 0.00 |
| 600.00 | 13.43 | 260.56 | 595.57 | -9.04 | -54.35 | 55.09 | 0.00 | 0.00 | 0.00 |
| 700.00 | 13.43 | 260.56 | 692.84 | -12.85 | -77.26 | 78.33 | 0.00 | 0.00 | 0.00 |
| 800.00 | 13.43 | 260.56 | 790.10 | -16.66 | -100.18 | 101.56 | 0.00 | 0.00 | 0.00 |
| 900.00 | 13.43 | 260.56 | 887.37 | -20.47 | -123.10 | 124.79 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 13.43 | 260.56 | 984.63 | -24.28 | -146.02 | 148.03 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 13.43 | 260.56 | 1,081.89 | -28.10 | -168.94 | 171.26 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 13.43 | 260.56 | 1,179.16 | -31.91 | -191.86 | 194.49 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 13.43 | 260.56 | 1,276.42 | -35.72 | -214.78 | 217.73 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 13.43 | 260.56 | 1,373.68 | -39.53 | -237.69 | 240.96 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 13.43 | 260.56 | 1,470.95 | -43.34 | -260.61 | 264.19 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 13.43 | 260.56 | 1,568.21 | -47.15 | -283.53 | 287.43 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 13.43 | 260.56 | 1,665.47 | -50.96 | -306.45 | 310.66 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 13.43 | 260.56 | 1,762.74 | -54.78 | -329.37 | 333.89 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 13.43 | 260.56 | 1,860.00 | -58.59 | -352.29 | 357.13 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 13.43 | 260.56 | 1,957.26 | -62.40 | -375.21 | 380.36 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 13.43 | 260.56 | 2,054.53 | -66.21 | -398.13 | 403.59 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 13.43 | 260.56 | 2,151.79 | -70.02 | -421.04 | 426.83 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 13.43 | 260.56 | 2,249.06 | -73.83 | -443.96 | 450.06 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 13.43 | 260.56 | 2,346.32 | -77.64 | -466.88 | 473.29 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 13.43 | 260.56 | 2,443.58 | -81.46 | -489.80 | 496.53 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 13.43 | 260.56 | 2,540.85 | -85.27 | -512.72 | 519.76 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 13.43 | 260.56 | 2,638.11 | -89.08 | -535.64 | 542.99 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 13.43 | 260.56 | 2,735.37 | -92.89 | -558.56 | 566.23 | 0.00 | 0.00 | 0.00 |
| 2,876.73 | 13.43 | 260.56 | 2,810.00 | -95.82 | -576.14 | 584.05 | 0.00 | 0.00 | 0.00 |
| Wasatch | | | | | | | | | |
| 2,900.00 | 13.43 | 260.56 | 2,832.64 | -96.70 | -581.47 | 589.46 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 13.43 | 260.56 | 2,929.90 | -100.51 | -604.39 | 612.69 | 0.00 | 0.00 | 0.00 |
| 3,004.00 | 13.43 | 260.56 | 2,933.79 | -100.67 | -605.31 | 613.62 | 0.00 | 0.00 | 0.00 |
| 9 5/8" @ 3004' MD | | | | | | | | | |
| 3,100.00 | 13.43 | 260.56 | 3,027.16 | -104.33 | -627.31 | 635.93 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 13.43 | 260.56 | 3,124.43 | -108.14 | -650.23 | 659.16 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 13.43 | 260.56 | 3,221.69 | -111.95 | -673.15 | 682.39 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 13.43 | 260.56 | 3,318.96 | -115.76 | -696.07 | 705.63 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 13.43 | 260.56 | 3,416.22 | -119.57 | -718.99 | 728.86 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 13.43 | 260.56 | 3,513.48 | -123.38 | -741.91 | 752.09 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 13.43 | 260.56 | 3,610.75 | -127.19 | -764.82 | 775.33 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 13.43 | 260.56 | 3,708.01 | -131.01 | -787.74 | 798.56 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 13.43 | 260.56 | 3,805.27 | -134.82 | -810.66 | 821.80 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 13.43 | 260.56 | 3,902.54 | -138.63 | -833.58 | 845.03 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 13.43 | 260.56 | 3,999.80 | -142.44 | -856.50 | 868.26 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 13.43 | 260.56 | 4,097.06 | -146.25 | -879.42 | 891.50 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 13.43 | 260.56 | 4,194.33 | -150.06 | -902.34 | 914.73 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 13.43 | 260.56 | 4,291.59 | -153.87 | -925.25 | 937.96 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well TR 323-23-597 - Slot B4 (TR 323-23-597) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Site: | TR 32-23-597 Pad | North Reference: | True |
| Well: | TR 323-23-597 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 26Jan2017 jcsdi | | |

| Planned Survey | | | | | | | | | |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,500.00 | 13.43 | 260.56 | 4,388.85 | -157.69 | -948.17 | 961.20 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 13.43 | 260.56 | 4,486.12 | -161.50 | -971.09 | 984.43 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 13.43 | 260.56 | 4,583.38 | -165.31 | -994.01 | 1,007.66 | 0.00 | 0.00 | 0.00 |
| 4,726.34 | 13.43 | 260.56 | 4,609.00 | -166.31 | -1,000.05 | 1,013.78 | 0.00 | 0.00 | 0.00 |
| G_Sand Top | | | | | | | | | |
| 4,795.22 | 13.43 | 260.56 | 4,676.00 | -168.94 | -1,015.83 | 1,029.79 | 0.00 | 0.00 | 0.00 |
| G_Sand Base | | | | | | | | | |
| 4,800.00 | 13.43 | 260.56 | 4,680.65 | -169.12 | -1,016.93 | 1,030.90 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 13.43 | 260.56 | 4,777.91 | -172.93 | -1,039.85 | 1,054.13 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 13.43 | 260.56 | 4,875.17 | -176.74 | -1,062.77 | 1,077.36 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 13.43 | 260.56 | 4,972.44 | -180.56 | -1,085.69 | 1,100.60 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 13.43 | 260.56 | 5,069.70 | -184.37 | -1,108.60 | 1,123.83 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 13.43 | 260.56 | 5,166.96 | -188.18 | -1,131.52 | 1,147.06 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 13.43 | 260.56 | 5,264.23 | -191.99 | -1,154.44 | 1,170.30 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 13.43 | 260.56 | 5,361.49 | -195.80 | -1,177.36 | 1,193.53 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 13.43 | 260.56 | 5,458.75 | -199.61 | -1,200.28 | 1,216.76 | 0.00 | 0.00 | 0.00 |
| 5,675.87 | 13.43 | 260.56 | 5,532.55 | -202.50 | -1,217.67 | 1,234.39 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 13.07 | 260.56 | 5,556.04 | -203.41 | -1,223.12 | 1,239.92 | 1.50 | -1.50 | 0.00 |
| 5,800.00 | 11.57 | 260.56 | 5,653.73 | -206.91 | -1,244.18 | 1,261.26 | 1.50 | -1.50 | 0.00 |
| 5,900.00 | 10.07 | 260.56 | 5,751.95 | -209.99 | -1,262.70 | 1,280.04 | 1.50 | -1.50 | 0.00 |
| 6,000.00 | 8.57 | 260.56 | 5,850.62 | -212.65 | -1,278.68 | 1,296.24 | 1.50 | -1.50 | 0.00 |
| 6,100.00 | 7.07 | 260.56 | 5,949.69 | -214.88 | -1,292.10 | 1,309.85 | 1.50 | -1.50 | 0.00 |
| 6,194.90 | 5.65 | 260.56 | 6,044.00 | -216.61 | -1,302.47 | 1,320.36 | 1.50 | -1.50 | 0.00 |
| Ohio Creek | | | | | | | | | |
| 6,200.00 | 5.57 | 260.56 | 6,049.08 | -216.69 | -1,302.97 | 1,320.86 | 1.50 | -1.50 | 0.00 |
| 6,300.00 | 4.07 | 260.56 | 6,148.72 | -218.07 | -1,311.26 | 1,329.27 | 1.50 | -1.50 | 0.00 |
| 6,400.00 | 2.57 | 260.56 | 6,248.55 | -219.02 | -1,316.98 | 1,335.06 | 1.50 | -1.50 | 0.00 |
| 6,500.00 | 1.07 | 260.56 | 6,348.50 | -219.54 | -1,320.11 | 1,338.24 | 1.50 | -1.50 | 0.00 |
| 6,571.51 | 0.00 | 0.00 | 6,420.00 | -219.65 | -1,320.77 | 1,338.91 | 1.50 | -1.50 | 139.07 |
| Mesaverde - TR 323-23-597 MVRD | | | | | | | | | |
| 6,600.00 | 0.00 | 0.00 | 6,448.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,548.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,648.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,748.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,848.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,948.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,158.51 | 0.00 | 0.00 | 7,007.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| Top Gas | | | | | | | | | |
| 7,200.00 | 0.00 | 0.00 | 7,048.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,148.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,248.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,348.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,448.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,548.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,648.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,748.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,848.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,948.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,048.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,148.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well TR 323-23-597 - Slot B4 (TR 323-23-597) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Site: | TR 32-23-597 Pad | North Reference: | True |
| Well: | TR 323-23-597 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 26Jan2017 jcsdi | | |

| Planned Survey | | | | | | | | | | |
|--------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 8,400.00 | 0.00 | 0.00 | 8,248.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 8,500.00 | 0.00 | 0.00 | 8,348.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 8,600.00 | 0.00 | 0.00 | 8,448.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 8,700.00 | 0.00 | 0.00 | 8,548.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 8,800.00 | 0.00 | 0.00 | 8,648.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 8,900.00 | 0.00 | 0.00 | 8,748.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,000.00 | 0.00 | 0.00 | 8,848.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,098.51 | 0.00 | 0.00 | 8,947.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| Cameo | | | | | | | | | | |
| 9,100.00 | 0.00 | 0.00 | 8,948.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 0.00 | 0.00 | 9,048.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 0.00 | 0.00 | 9,148.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,400.00 | 0.00 | 0.00 | 9,248.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,500.00 | 0.00 | 0.00 | 9,348.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,517.51 | 0.00 | 0.00 | 9,366.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| Rollins | | | | | | | | | | |
| 9,600.00 | 0.00 | 0.00 | 9,448.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,700.00 | 0.00 | 0.00 | 9,548.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,717.51 | 0.00 | 0.00 | 9,566.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| Cozzette | | | | | | | | | | |
| 9,800.00 | 0.00 | 0.00 | 9,648.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,900.00 | 0.00 | 0.00 | 9,748.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 9,954.51 | 0.00 | 0.00 | 9,803.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| Corcoran | | | | | | | | | | |
| 10,000.00 | 0.00 | 0.00 | 9,848.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 10,100.00 | 0.00 | 0.00 | 9,948.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 10,119.51 | 0.00 | 0.00 | 9,968.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| Sego | | | | | | | | | | |
| 10,200.00 | 0.00 | 0.00 | 10,048.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 10,300.00 | 0.00 | 0.00 | 10,148.49 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| 10,354.51 | 0.00 | 0.00 | 10,203.00 | -219.65 | -1,320.77 | 1,338.91 | 0.00 | 0.00 | 0.00 | |
| TD - TR 323-23-597 PBHL | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------|--------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| TR 323-23-597 MVRD | 0.00 | 0.00 | 6,420.00 | -219.65 | -1,320.77 | 1,654,678.20 | 2,226,272.00 | 39.5987767 | -108.2461950 | |
| - plan hits target center | | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | | |
| TR 323-23-597 PBHL | 0.00 | 0.00 | 10,203.00 | -219.65 | -1,320.77 | 1,654,678.20 | 2,226,272.00 | 39.5987767 | -108.2461950 | |
| - plan hits target center | | | | | | | | | | |
| - Point | | | | | | | | | | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well TR 323-23-597 - Slot B4 (TR 323-23-597) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 8545.20' & RKB 24' @ 8569.20usft (H&P 318) |
| Site: | TR 32-23-597 Pad | North Reference: | True |
| Well: | TR 323-23-597 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 26Jan2017 jcsdi | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-------------------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 3,004.00 | 2,933.79 | 9 5/8" @ 3004' MD | 9.62 | 9.62 | |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 2,876.73 | 2,810.00 | Wasatch | | 0.00 | 0.00 | |
| 4,726.34 | 4,609.00 | G_Sand Top | | 0.00 | 0.00 | |
| 4,795.22 | 4,676.00 | G_Sand Base | | 0.00 | 0.00 | |
| 6,194.90 | 6,044.00 | Ohio Creek | | 0.00 | 0.00 | |
| 6,571.51 | 6,420.00 | Mesaverde | | 0.00 | 0.00 | |
| 7,158.51 | 7,007.00 | Top Gas | | 0.00 | 0.00 | |
| 9,098.51 | 8,947.00 | Cameo | | 0.00 | 0.00 | |
| 9,517.51 | 9,366.00 | Rollins | | 0.00 | 0.00 | |
| 9,717.51 | 9,566.00 | Cozzette | | 0.00 | 0.00 | |
| 9,954.51 | 9,803.00 | Corcoran | | 0.00 | 0.00 | |
| 10,119.51 | 9,968.00 | Sego | | 0.00 | 0.00 | |
| 10,354.51 | 10,203.00 | TD | | 0.00 | 0.00 | |