

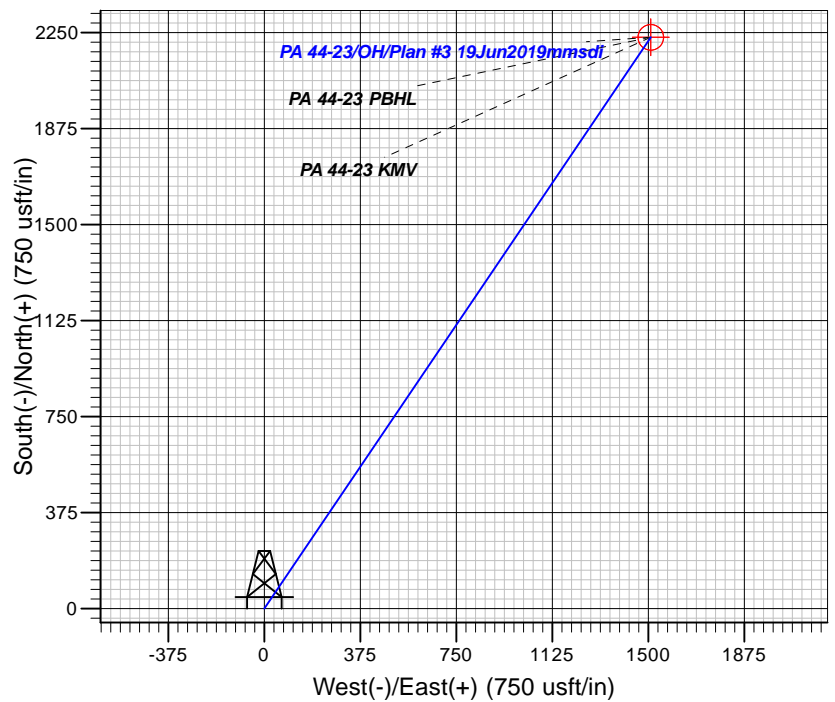
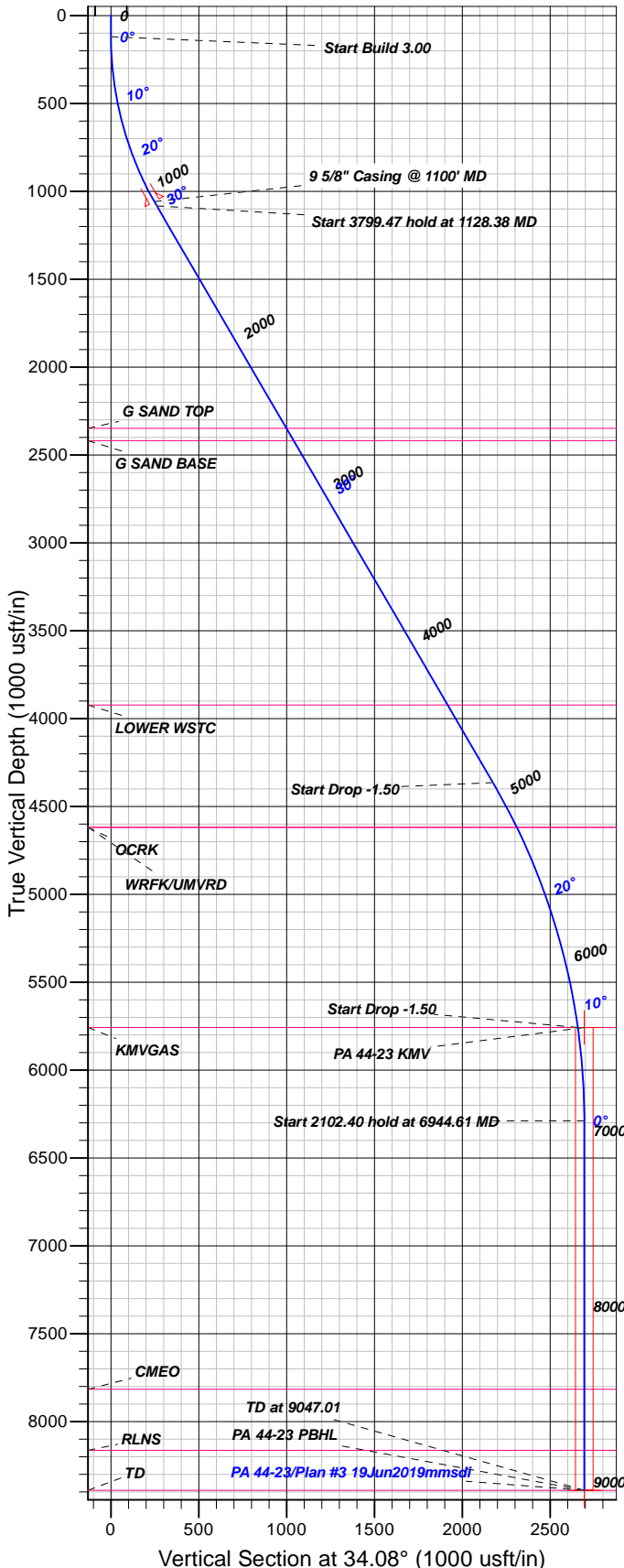


Azimuths to True North
Magnetic North: 9.40°

Magnetic Field
Strength: 51650.0snT
Dip Angle: 65.77°
Date: 2/26/2018
Model: HDGM

Well Details: PA 44-23

GL 5486' & RKB 24' @ 5510.00usft
+N/-S 0.00 +E/-W 0.00 Northing 1616412.70 Easting 2304739.60 Latitude 39.4999425 Longitude -107.9641511 Slot PA 44-23 (A7)



FORMATION TOP DETAILS

| TVDPATH | MDPATH | FORMATION |
|---------|---------|-------------|
| 2348.00 | 2593.75 | G SAND TOP |
| 2418.00 | 2674.79 | G SAND BASE |
| 3922.00 | 4415.89 | LOWER WSTC |
| 4618.00 | 5215.56 | OCRK |
| 4618.00 | 5215.56 | WRFK/UMVRD |
| 5757.00 | 6411.28 | KMGAS |
| 7816.00 | 8472.01 | CMEO |
| 8163.00 | 8819.01 | RLNS |
| 8391.00 | 9047.01 | TD |

Plan: Plan #3 19Jun2019mmsdi

11:49, June 25 2019
Created By: Mel Mireles

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 |
|---------|---------|------------------------|------|
| 1057.56 | 1100.00 | 5/8" Casing @ 1100' 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 | 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1128.38 | 30.25 | 34.08 | 1082.18 | 215.42 | 145.72 | 3.00 | 34.08 | 260.08 | |
| 4 | 4927.85 | 30.25 | 34.08 | 4364.24 | 1800.92 | 1218.19 | 0.00 | 0.00 | 2174.23 | |
| 5 | 6411.28 | 8.00 | 34.08 | 5757.00 | 2200.98 | 1488.80 | 1.50 | 180.00 | 2657.22 | |
| 6 | 6944.61 | 0.00 | 0.00 | 6288.60 | 2231.77 | 1509.62 | 1.50 | 180.00 | 2694.39 | |
| 7 | 9047.01 | 0.00 | 0.00 | 8391.00 | 2231.77 | 1509.62 | 0.00 | 0.00 | 2694.39 | PA 44-23 PBHL |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|--|---------|---------|---------|------------|------------|------------|--------------|------------------------|
| PA 44-23 KMV | 5757.00 | 2231.76 | 1509.63 | 1618602.70 | 2306309.20 | 39.5060695 | -107.9588009 | Circle (Radius: 50.00) |
| - plan misses target center by 36.82usft at 6416.02usft MD (5761.70 TVD, 2201.52 N, 1489.16 E) | | | | | | | | |
| PA 44-23 PBHL | 8391.00 | 2231.76 | 1509.63 | 1618602.70 | 2306309.20 | 39.5060695 | -107.9588009 | Point |
| - plan misses target center by 0.01usft at 9047.01usft MD (8391.00 TVD, 2231.77 N, 1509.62 E) | | | | | | | | |



TEP Rocky Mountain LLC

**Garfield County, CO NAD83
PA 31-26 Pad
PA 44-23 - Slot PA 44-23 (A7)**

OH

Plan: Plan #3 19Jun2019mmsdi

Standard Planning Report

25 June, 2019



| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 44-23 - Slot PA 44-23 (A7) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Site: | PA 31-26 Pad | North Reference: | True |
| Well: | PA 44-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #3 19Jun2019mmsdi | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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 | | PA 31-26 Pad | | | |
| Site Position: | | Northing: | 1,616,455.80 usft | Latitude: | 39.5000599 |
| From: | Map | Easting: | 2,304,726.80 usft | Longitude: | -107.9642007 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: | -1.55 ° |

| Well | PA 44-23 - Slot PA 44-23 (A7) | | | | | |
|----------------------|-------------------------------|-------------|---------------------|-------------------|---------------|---------------|
| Well Position | +N/-S | -42.74 usft | Northing: | 1,616,412.70 usft | Latitude: | 39.4999425 |
| | +E/-W | 13.96 usft | Easting: | 2,304,739.60 usft | Longitude: | -107.9641512 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 5,486.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 2/26/2018 | 9.40 | 65.77 | 51,650 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan #3 19Jun2019mmsdi | | | |
| 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 | 34.08 |

| 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 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,128.38 | 30.25 | 34.08 | 1,082.18 | 215.42 | 145.72 | 3.00 | 3.00 | 0.00 | 34.08 | |
| 4,927.85 | 30.25 | 34.08 | 4,364.24 | 1,800.92 | 1,218.19 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,411.28 | 8.00 | 34.08 | 5,757.00 | 2,200.98 | 1,488.80 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 6,944.61 | 0.00 | 0.00 | 6,288.60 | 2,231.77 | 1,509.62 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 9,047.01 | 0.00 | 0.00 | 8,391.00 | 2,231.77 | 1,509.62 | 0.00 | 0.00 | 0.00 | 0.00 | PA 44-23 PBHL |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 44-23 - Slot PA 44-23 (A7) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Site: | PA 31-26 Pad | North Reference: | True |
| Well: | PA 44-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #3 19Jun2019mmsdi | | |

| 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 |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 3.00 | | | | | | | | | |
| 200.00 | 2.40 | 34.08 | 199.98 | 1.39 | 0.94 | 1.68 | 3.00 | 3.00 | 0.00 |
| 300.00 | 5.40 | 34.08 | 299.73 | 7.02 | 4.75 | 8.48 | 3.00 | 3.00 | 0.00 |
| 400.00 | 8.40 | 34.08 | 399.00 | 16.97 | 11.48 | 20.49 | 3.00 | 3.00 | 0.00 |
| 500.00 | 11.40 | 34.08 | 497.50 | 31.21 | 21.11 | 37.68 | 3.00 | 3.00 | 0.00 |
| 600.00 | 14.40 | 34.08 | 594.96 | 49.70 | 33.62 | 60.00 | 3.00 | 3.00 | 0.00 |
| 700.00 | 17.40 | 34.08 | 691.13 | 72.39 | 48.97 | 87.39 | 3.00 | 3.00 | 0.00 |
| 800.00 | 20.40 | 34.08 | 785.72 | 99.22 | 67.11 | 119.78 | 3.00 | 3.00 | 0.00 |
| 900.00 | 23.40 | 34.08 | 878.50 | 130.11 | 88.01 | 157.08 | 3.00 | 3.00 | 0.00 |
| 1,000.00 | 26.40 | 34.08 | 969.19 | 164.98 | 111.59 | 199.18 | 3.00 | 3.00 | 0.00 |
| 1,100.00 | 29.40 | 34.08 | 1,057.56 | 203.73 | 137.81 | 245.96 | 3.00 | 3.00 | 0.00 |
| 9 5/8" Casing @ 1100' MD | | | | | | | | | |
| 1,128.38 | 30.25 | 34.08 | 1,082.18 | 215.42 | 145.72 | 260.08 | 3.00 | 3.00 | 0.00 |
| Start 3799.47 hold at 1128.38 MD | | | | | | | | | |
| 1,200.00 | 30.25 | 34.08 | 1,144.04 | 245.31 | 165.93 | 296.16 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 30.25 | 34.08 | 1,230.43 | 287.04 | 194.16 | 346.54 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 30.25 | 34.08 | 1,316.81 | 328.77 | 222.39 | 396.92 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 30.25 | 34.08 | 1,403.19 | 370.50 | 250.61 | 447.30 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 30.25 | 34.08 | 1,489.57 | 412.23 | 278.84 | 497.68 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 30.25 | 34.08 | 1,575.96 | 453.96 | 307.07 | 548.06 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 30.25 | 34.08 | 1,662.34 | 495.69 | 335.29 | 598.44 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 30.25 | 34.08 | 1,748.72 | 537.42 | 363.52 | 648.82 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 30.25 | 34.08 | 1,835.10 | 579.15 | 391.75 | 699.20 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 30.25 | 34.08 | 1,921.49 | 620.87 | 419.98 | 749.58 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 30.25 | 34.08 | 2,007.87 | 662.60 | 448.20 | 799.96 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 30.25 | 34.08 | 2,094.25 | 704.33 | 476.43 | 850.34 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 30.25 | 34.08 | 2,180.63 | 746.06 | 504.66 | 900.72 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 30.25 | 34.08 | 2,267.01 | 787.79 | 532.88 | 951.09 | 0.00 | 0.00 | 0.00 |
| 2,593.75 | 30.25 | 34.08 | 2,348.00 | 826.92 | 559.35 | 998.33 | 0.00 | 0.00 | 0.00 |
| G SAND TOP | | | | | | | | | |
| 2,600.00 | 30.25 | 34.08 | 2,353.40 | 829.52 | 561.11 | 1,001.47 | 0.00 | 0.00 | 0.00 |
| 2,674.79 | 30.25 | 34.08 | 2,418.00 | 860.73 | 582.22 | 1,039.15 | 0.00 | 0.00 | 0.00 |
| G SAND BASE | | | | | | | | | |
| 2,700.00 | 30.25 | 34.08 | 2,439.78 | 871.25 | 589.34 | 1,051.85 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 30.25 | 34.08 | 2,526.16 | 912.98 | 617.56 | 1,102.23 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 30.25 | 34.08 | 2,612.54 | 954.71 | 645.79 | 1,152.61 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 30.25 | 34.08 | 2,698.93 | 996.44 | 674.02 | 1,202.99 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 30.25 | 34.08 | 2,785.31 | 1,038.17 | 702.24 | 1,253.37 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 30.25 | 34.08 | 2,871.69 | 1,079.90 | 730.47 | 1,303.75 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 30.25 | 34.08 | 2,958.07 | 1,121.63 | 758.70 | 1,354.13 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 30.25 | 34.08 | 3,044.46 | 1,163.36 | 786.92 | 1,404.51 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 30.25 | 34.08 | 3,130.84 | 1,205.09 | 815.15 | 1,454.89 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 30.25 | 34.08 | 3,217.22 | 1,246.82 | 843.38 | 1,505.27 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 30.25 | 34.08 | 3,303.60 | 1,288.55 | 871.60 | 1,555.65 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 30.25 | 34.08 | 3,389.98 | 1,330.28 | 899.83 | 1,606.03 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 30.25 | 34.08 | 3,476.37 | 1,372.00 | 928.06 | 1,656.41 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 30.25 | 34.08 | 3,562.75 | 1,413.73 | 956.29 | 1,706.79 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 30.25 | 34.08 | 3,649.13 | 1,455.46 | 984.51 | 1,757.17 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 30.25 | 34.08 | 3,735.51 | 1,497.19 | 1,012.74 | 1,807.55 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 30.25 | 34.08 | 3,821.90 | 1,538.92 | 1,040.97 | 1,857.93 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 30.25 | 34.08 | 3,908.28 | 1,580.65 | 1,069.19 | 1,908.31 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 44-23 - Slot PA 44-23 (A7) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Site: | PA 31-26 Pad | North Reference: | True |
| Well: | PA 44-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #3 19Jun2019mmsdi | | |

| 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) |
| 4,415.89 | 30.25 | 34.08 | 3,922.00 | 1,587.28 | 1,073.68 | 1,916.31 | 0.00 | 0.00 | 0.00 |
| LOWER WSTC | | | | | | | | | |
| 4,500.00 | 30.25 | 34.08 | 3,994.66 | 1,622.38 | 1,097.42 | 1,958.69 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 30.25 | 34.08 | 4,081.04 | 1,664.11 | 1,125.65 | 2,009.07 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 30.25 | 34.08 | 4,167.42 | 1,705.84 | 1,153.87 | 2,059.45 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 30.25 | 34.08 | 4,253.81 | 1,747.57 | 1,182.10 | 2,109.82 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 30.25 | 34.08 | 4,340.19 | 1,789.30 | 1,210.33 | 2,160.20 | 0.00 | 0.00 | 0.00 |
| 4,927.85 | 30.25 | 34.08 | 4,364.24 | 1,800.92 | 1,218.19 | 2,174.23 | 0.00 | 0.00 | 0.00 |
| Start Drop -1.50 | | | | | | | | | |
| 5,000.00 | 29.17 | 34.08 | 4,426.91 | 1,830.54 | 1,238.22 | 2,209.99 | 1.50 | -1.50 | 0.00 |
| 5,100.00 | 27.67 | 34.08 | 4,514.86 | 1,869.96 | 1,264.89 | 2,257.58 | 1.50 | -1.50 | 0.00 |
| 5,200.00 | 26.17 | 34.08 | 4,604.02 | 1,907.46 | 1,290.25 | 2,302.86 | 1.50 | -1.50 | 0.00 |
| 5,215.56 | 25.94 | 34.08 | 4,618.00 | 1,913.12 | 1,294.08 | 2,309.69 | 1.50 | -1.50 | 0.00 |
| OCRK - WRFK/UMVRD | | | | | | | | | |
| 5,300.00 | 24.67 | 34.08 | 4,694.34 | 1,943.01 | 1,314.30 | 2,345.78 | 1.50 | -1.50 | 0.00 |
| 5,400.00 | 23.17 | 34.08 | 4,785.75 | 1,976.59 | 1,337.02 | 2,386.32 | 1.50 | -1.50 | 0.00 |
| 5,500.00 | 21.67 | 34.08 | 4,878.18 | 2,008.18 | 1,358.38 | 2,424.46 | 1.50 | -1.50 | 0.00 |
| 5,600.00 | 20.17 | 34.08 | 4,971.59 | 2,037.76 | 1,378.39 | 2,460.16 | 1.50 | -1.50 | 0.00 |
| 5,700.00 | 18.67 | 34.08 | 5,065.90 | 2,065.29 | 1,397.02 | 2,493.41 | 1.50 | -1.50 | 0.00 |
| 5,800.00 | 17.17 | 34.08 | 5,161.05 | 2,090.78 | 1,414.25 | 2,524.18 | 1.50 | -1.50 | 0.00 |
| 5,900.00 | 15.67 | 34.08 | 5,256.96 | 2,114.19 | 1,430.09 | 2,552.44 | 1.50 | -1.50 | 0.00 |
| 6,000.00 | 14.17 | 34.08 | 5,353.59 | 2,135.51 | 1,444.51 | 2,578.19 | 1.50 | -1.50 | 0.00 |
| 6,100.00 | 12.67 | 34.08 | 5,450.86 | 2,154.74 | 1,457.52 | 2,601.39 | 1.50 | -1.50 | 0.00 |
| 6,200.00 | 11.17 | 34.08 | 5,548.70 | 2,171.84 | 1,469.09 | 2,622.05 | 1.50 | -1.50 | 0.00 |
| 6,300.00 | 9.67 | 34.08 | 5,647.05 | 2,186.82 | 1,479.22 | 2,640.13 | 1.50 | -1.50 | 0.00 |
| 6,400.00 | 8.17 | 34.08 | 5,745.84 | 2,199.66 | 1,487.91 | 2,655.63 | 1.50 | -1.50 | 0.00 |
| 6,411.28 | 8.00 | 34.08 | 5,757.00 | 2,200.98 | 1,488.80 | 2,657.22 | 1.50 | -1.50 | 0.00 |
| Start Drop -1.50 - KMGAS | | | | | | | | | |
| 6,416.02 | 7.93 | 34.08 | 5,761.70 | 2,201.52 | 1,489.16 | 2,657.88 | 1.50 | -1.50 | 0.00 |
| PA 44-23 KMV | | | | | | | | | |
| 6,500.00 | 6.67 | 34.08 | 5,845.00 | 2,210.36 | 1,495.14 | 2,668.55 | 1.50 | -1.50 | 0.00 |
| 6,600.00 | 5.17 | 34.08 | 5,944.46 | 2,218.90 | 1,500.92 | 2,678.86 | 1.50 | -1.50 | 0.00 |
| 6,700.00 | 3.67 | 34.08 | 6,044.16 | 2,225.28 | 1,505.24 | 2,686.56 | 1.50 | -1.50 | 0.00 |
| 6,800.00 | 2.17 | 34.08 | 6,144.03 | 2,229.50 | 1,508.09 | 2,691.66 | 1.50 | -1.50 | 0.00 |
| 6,900.00 | 0.67 | 34.08 | 6,243.99 | 2,231.55 | 1,509.48 | 2,694.13 | 1.50 | -1.50 | 0.00 |
| 6,944.61 | 0.00 | 0.00 | 6,288.60 | 2,231.77 | 1,509.62 | 2,694.39 | 1.50 | -1.50 | 0.00 |
| Start 2102.40 hold at 6944.61 MD | | | | | | | | | |
| 7,000.00 | 0.00 | 0.00 | 6,343.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,443.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 6,543.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 6,643.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 6,743.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 6,843.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 6,943.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,043.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,143.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,243.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,343.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,443.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,543.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 7,643.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 7,743.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,472.01 | 0.00 | 0.00 | 7,816.00 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 44-23 - Slot PA 44-23 (A7) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Site: | PA 31-26 Pad | North Reference: | True |
| Well: | PA 44-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #3 19Jun2019mmsdi | | |

| 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) |
| CMEO | | | | | | | | | |
| 8,500.00 | 0.00 | 0.00 | 7,843.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 7,943.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,043.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,143.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 8,819.01 | 0.00 | 0.00 | 8,163.00 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 8,900.00 | 0.00 | 0.00 | 8,243.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,343.99 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| 9,047.01 | 0.00 | 0.00 | 8,391.00 | 2,231.77 | 1,509.62 | 2,694.39 | 0.00 | 0.00 | 0.00 |
| TD at 9047.01 - TD - PA 44-23 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 | | | | | | | | | |
| PA 44-23 KMV | 0.00 | 0.00 | 5,757.00 | 2,231.76 | 1,509.63 | 1,618,602.70 | 2,306,309.20 | 39.5060696 | -107.9588009 |
| - plan misses target center by 36.82usft at 6416.02usft MD (5761.70 TVD, 2201.52 N, 1489.16 E) | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| PA 44-23 PBHL | 0.00 | 0.00 | 8,391.00 | 2,231.76 | 1,509.63 | 1,618,602.70 | 2,306,309.20 | 39.5060696 | -107.9588009 |
| - plan misses target center by 0.01usft at 9047.01usft MD (8391.00 TVD, 2231.77 N, 1509.62 E) | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------------------------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,100.00 | 1,057.56 | 9 5/8" Casing @ 1100' MD | 9.62 | 13.50 | |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 2,593.75 | 2,348.00 | G SAND TOP | | 0.00 | 0.00 | |
| 2,674.79 | 2,418.00 | G SAND BASE | | 0.00 | 0.00 | |
| 4,415.89 | 3,922.00 | LOWER WSTC | | 0.00 | 0.00 | |
| 5,215.56 | 4,618.00 | OCRK | | 0.00 | 0.00 | |
| 5,215.56 | 4,618.00 | WRFK/UMVRD | | 0.00 | 0.00 | |
| 6,411.28 | 5,757.00 | KMVGAS | | 0.00 | 0.00 | |
| 8,472.01 | 7,816.00 | CMEO | | 0.00 | 0.00 | |
| 8,819.01 | 8,163.00 | RLNS | | 0.00 | 0.00 | |
| 9,047.01 | 8,391.00 | TD | | 0.00 | 0.00 | |



Scientific Drilling, Intl

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 44-23 - Slot PA 44-23 (A7) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 5486' & RKB 24' @ 5510.00usft |
| Site: | PA 31-26 Pad | North Reference: | True |
| Well: | PA 44-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #3 19Jun2019mmsdi | | |

| Plan Annotations | | | | |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 120.00 | 120.00 | 0.00 | 0.00 | Start Build 3.00 |
| 1,128.38 | 1,082.18 | 215.42 | 145.72 | Start 3799.47 hold at 1128.38 MD |
| 4,927.85 | 4,364.24 | 1,800.92 | 1,218.19 | Start Drop -1.50 |
| 6,411.28 | 5,757.00 | 2,200.98 | 1,488.80 | Start Drop -1.50 |
| 6,944.61 | 6,288.60 | 2,231.77 | 1,509.62 | Start 2102.40 hold at 6944.61 MD |
| 9,047.01 | 8,391.00 | 2,231.77 | 1,509.62 | TD at 9047.01 |