



TEP Rocky Mountain LLC

Garfield Co., CO (NAD83)

WMC 24-17 Pad

WMC 511-20 - Slot WMC 511-20

OH

Plan: Plan #1

Standard Planning Report

07 October, 2020





Project: Garfield Co., CO (NAD83)
 Site: WMC 24-17 Pad
 Well: WMC 511-20
 Wellbore: OH
 Design: Plan #1
 Lat: 39.439069
 Long: -107.799586
 GL: 8868.00
 KB: KB=24' @ 8892.00usft



WELL DETAILS: WMC 511-20

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | WMC 511-20 |
|-------|-------|------------|------------|-----------|-------------|------------|
| 0.00 | 0.00 | 1593029.90 | 2350600.20 | 39.439069 | -107.799586 | |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Shape |
|-----------------|----------|----------|----------|------------|------------|------------------------|
| WMC 511-20 KMW | 8812.00 | -1377.44 | -1189.22 | 1591683.00 | 2349376.50 | Circle (Radius: 50.00) |
| WMC 511-20 PBHL | 10962.00 | -1377.44 | -1189.22 | 1591683.00 | 2349376.50 | Point |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSeet | Annotation |
|----------|-------|--------|----------|----------|----------|------|--------|---------|----------------------------------|
| 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 | Start Build 3.00 |
| 544.47 | 12.73 | 220.81 | 540.98 | -35.56 | -30.70 | 3.00 | 220.81 | 46.98 | Start 7616.39 hold at 544.47 MD |
| 8160.86 | 12.73 | 220.81 | 7970.04 | -1306.33 | -1127.82 | 0.00 | 0.00 | 1725.82 | Start Drop -1.50 |
| 9009.79 | 0.00 | 0.00 | 8812.00 | -1377.44 | -1189.22 | 1.50 | 180.00 | 1819.78 | Start 2150.00 hold at 9009.79 MD |
| 11159.79 | 0.00 | 0.00 | 10962.00 | -1377.44 | -1189.22 | 0.00 | 0.00 | 1819.78 | TD at 11159.79 |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|--------|-------|
| 1082.85 | 1100.00 | 9 5/8" | 9-5/8 |

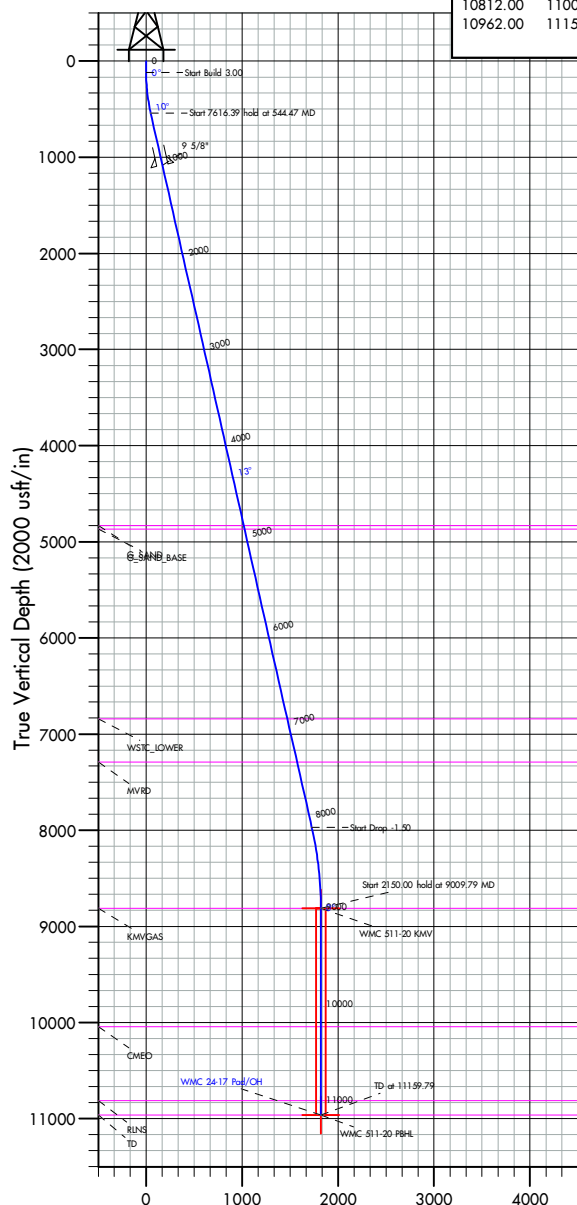
FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-------------|
| 4832.00 | 4943.69 | G_SAND |
| 4868.00 | 4980.60 | G_SAND_BASE |
| 6842.00 | 7004.38 | WSTC_LOWER |
| 7292.00 | 7465.72 | MVRD |
| 8812.00 | 9009.79 | KMVGAS |
| 10042.00 | 10239.79 | CMEQ |
| 10812.00 | 11009.79 | RLNS |
| 10962.00 | 11159.79 | TD |

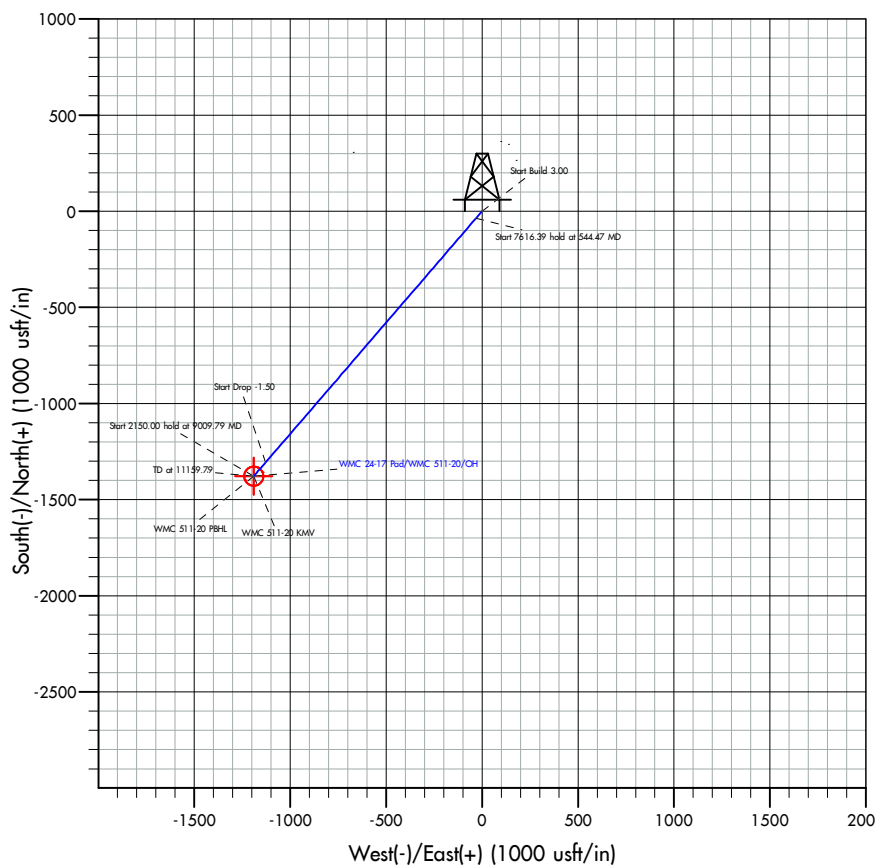


Azimuths to True North
 Magnetic North: 8.93°

Magnetic Field
 Strength: 51314.7nT
 Dip Angle: 65.48°
 Date: 9/2/2020
 Model: HDGM2020



Vertical Section at 220.81° (2000 usft/in)



Plan: Plan #1 (WMC 511-20/OH)

Created By: Dusty Mayer

Date: 13-14, October 07 2020

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well WMC 511-20 - Slot WMC 511-20 |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | KB=24' @ 8892.00usft |
| Project: | Garfield Co., CO (NAD83) | MD Reference: | KB=24' @ 8892.00usft |
| Site: | WMC 24-17 Pad | North Reference: | True |
| Well: | WMC 511-20 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Garfield Co., 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 | | WMC 24-17 Pad | | | |
| Site Position: | | Northing: | 1,593,032.70 usft | Latitude: | 39.439076 |
| From: | Map | Easting: | 2,350,593.20 usft | Longitude: | -107.799611 |
| Position Uncertainty: | | 0.00 usft | Slot Radius: | 13-3/16 " | |

| Well | | WMC 511-20 - Slot WMC 511-20 | | | | |
|----------------------|---------|------------------------------|---------------------|-------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 1,593,029.90 usft | Latitude: | 39.439069 |
| | +E/-W | 0.00 usft | Easting: | 2,350,600.20 usft | Longitude: | -107.799586 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | usft | Ground Level: | 8,868.00 usft |
| Grid Convergence: | -1.45 ° | | | | | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2020 | 9/2/2020 | 8.93 | 65.48 | 51,314.70000000 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | Plan #1 | | | | |
| 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 | 220.81 | |

| | | | | | |
|---------------------------------|------------------------|--------------------------|------------------|----------------|--|
| Plan Survey Tool Program | Date | 10/7/2020 | | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 11,159.79 Plan #1 (OH) | MWD+ HGDM | | |
| | | | OWSG MWD + HGDM | | |

| | | | | | | | | | | |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|-----------------|
| 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 | |
| 544.47 | 12.73 | 220.81 | 540.98 | -35.56 | -30.70 | 3.00 | 3.00 | 0.00 | 220.81 | |
| 8,160.86 | 12.73 | 220.81 | 7,970.04 | -1,306.33 | -1,127.82 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9,009.79 | 0.00 | 0.00 | 8,812.00 | -1,377.44 | -1,189.22 | 1.50 | -1.50 | 0.00 | 180.00 | WMC 511-20 KMV |
| 11,159.79 | 0.00 | 0.00 | 10,962.00 | -1,377.44 | -1,189.22 | 0.00 | 0.00 | 0.00 | 0.00 | WMC 511-20 PBHL |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well WMC 511-20 - Slot WMC 511-20 |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | KB=24' @ 8892.00usft |
| Project: | Garfield Co., CO (NAD83) | MD Reference: | KB=24' @ 8892.00usft |
| Site: | WMC 24-17 Pad | North Reference: | True |
| Well: | WMC 511-20 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| 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 | 220.81 | 199.98 | -1.27 | -1.09 | 1.68 | 3.00 | 3.00 | 0.00 |
| 300.00 | 5.40 | 220.81 | 299.73 | -6.42 | -5.54 | 8.48 | 3.00 | 3.00 | 0.00 |
| 400.00 | 8.40 | 220.81 | 399.00 | -15.51 | -13.39 | 20.49 | 3.00 | 3.00 | 0.00 |
| 500.00 | 11.40 | 220.81 | 497.50 | -28.52 | -24.62 | 37.68 | 3.00 | 3.00 | 0.00 |
| 544.47 | 12.73 | 220.81 | 540.98 | -35.56 | -30.70 | 46.98 | 3.00 | 3.00 | 0.00 |
| Start 7616.39 hold at 544.47 MD | | | | | | | | | |
| 600.00 | 12.73 | 220.81 | 595.15 | -44.82 | -38.70 | 59.22 | 0.00 | 0.00 | 0.00 |
| 700.00 | 12.73 | 220.81 | 692.69 | -61.51 | -53.10 | 81.26 | 0.00 | 0.00 | 0.00 |
| 800.00 | 12.73 | 220.81 | 790.23 | -78.19 | -67.51 | 103.30 | 0.00 | 0.00 | 0.00 |
| 900.00 | 12.73 | 220.81 | 887.77 | -94.88 | -81.91 | 125.34 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 12.73 | 220.81 | 985.31 | -111.56 | -96.32 | 147.39 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 12.73 | 220.81 | 1,082.85 | -128.25 | -110.72 | 169.43 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 1,200.00 | 12.73 | 220.81 | 1,180.39 | -144.93 | -125.13 | 191.47 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 12.73 | 220.81 | 1,277.93 | -161.62 | -139.53 | 213.51 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 12.73 | 220.81 | 1,375.47 | -178.30 | -153.94 | 235.56 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 12.73 | 220.81 | 1,473.01 | -194.98 | -168.34 | 257.60 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 12.73 | 220.81 | 1,570.55 | -211.67 | -182.75 | 279.64 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 12.73 | 220.81 | 1,668.09 | -228.35 | -197.15 | 301.68 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 12.73 | 220.81 | 1,765.63 | -245.04 | -211.55 | 323.73 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 12.73 | 220.81 | 1,863.17 | -261.72 | -225.96 | 345.77 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 12.73 | 220.81 | 1,960.71 | -278.41 | -240.36 | 367.81 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 12.73 | 220.81 | 2,058.25 | -295.09 | -254.77 | 389.85 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 12.73 | 220.81 | 2,155.79 | -311.78 | -269.17 | 411.90 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 12.73 | 220.81 | 2,253.33 | -328.46 | -283.58 | 433.94 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 12.73 | 220.81 | 2,350.88 | -345.15 | -297.98 | 455.98 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 12.73 | 220.81 | 2,448.42 | -361.83 | -312.39 | 478.03 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 12.73 | 220.81 | 2,545.96 | -378.52 | -326.79 | 500.07 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 12.73 | 220.81 | 2,643.50 | -395.20 | -341.20 | 522.11 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 12.73 | 220.81 | 2,741.04 | -411.89 | -355.60 | 544.15 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 12.73 | 220.81 | 2,838.58 | -428.57 | -370.01 | 566.20 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 12.73 | 220.81 | 2,936.12 | -445.25 | -384.41 | 588.24 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 12.73 | 220.81 | 3,033.66 | -461.94 | -398.82 | 610.28 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 12.73 | 220.81 | 3,131.20 | -478.62 | -413.22 | 632.32 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 12.73 | 220.81 | 3,228.74 | -495.31 | -427.63 | 654.37 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 12.73 | 220.81 | 3,326.28 | -511.99 | -442.03 | 676.41 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 12.73 | 220.81 | 3,423.82 | -528.68 | -456.44 | 698.45 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 12.73 | 220.81 | 3,521.36 | -545.36 | -470.84 | 720.49 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 12.73 | 220.81 | 3,618.90 | -562.05 | -485.25 | 742.54 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 12.73 | 220.81 | 3,716.44 | -578.73 | -499.65 | 764.58 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 12.73 | 220.81 | 3,813.98 | -595.42 | -514.05 | 786.62 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 12.73 | 220.81 | 3,911.52 | -612.10 | -528.46 | 808.66 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 12.73 | 220.81 | 4,009.06 | -628.79 | -542.86 | 830.71 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 12.73 | 220.81 | 4,106.60 | -645.47 | -557.27 | 852.75 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 12.73 | 220.81 | 4,204.14 | -662.16 | -571.67 | 874.79 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 12.73 | 220.81 | 4,301.68 | -678.84 | -586.08 | 896.83 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 12.73 | 220.81 | 4,399.22 | -695.52 | -600.48 | 918.88 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 12.73 | 220.81 | 4,496.76 | -712.21 | -614.89 | 940.92 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 12.73 | 220.81 | 4,594.30 | -728.89 | -629.29 | 962.96 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
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| Project: | Garfield Co., CO (NAD83) | MD Reference: | KB=24' @ 8892.00usft |
| Site: | WMC 24-17 Pad | North Reference: | True |
| Well: | WMC 511-20 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| 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) |
| 4,800.00 | 12.73 | 220.81 | 4,691.84 | -745.58 | -643.70 | 985.00 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 12.73 | 220.81 | 4,789.38 | -762.26 | -658.10 | 1,007.05 | 0.00 | 0.00 | 0.00 |
| 4,943.69 | 12.73 | 220.81 | 4,832.00 | -769.55 | -664.40 | 1,016.68 | 0.00 | 0.00 | 0.00 |
| G_SAND | | | | | | | | | |
| 4,980.60 | 12.73 | 220.81 | 4,868.00 | -775.71 | -669.71 | 1,024.81 | 0.00 | 0.00 | 0.00 |
| G_SAND_BASE | | | | | | | | | |
| 5,000.00 | 12.73 | 220.81 | 4,886.92 | -778.95 | -672.51 | 1,029.09 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 12.73 | 220.81 | 4,984.47 | -795.63 | -686.91 | 1,051.13 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 12.73 | 220.81 | 5,082.01 | -812.32 | -701.32 | 1,073.18 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 12.73 | 220.81 | 5,179.55 | -829.00 | -715.72 | 1,095.22 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 12.73 | 220.81 | 5,277.09 | -845.69 | -730.13 | 1,117.26 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 12.73 | 220.81 | 5,374.63 | -862.37 | -744.53 | 1,139.30 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 12.73 | 220.81 | 5,472.17 | -879.06 | -758.94 | 1,161.35 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 12.73 | 220.81 | 5,569.71 | -895.74 | -773.34 | 1,183.39 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 12.73 | 220.81 | 5,667.25 | -912.43 | -787.75 | 1,205.43 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 12.73 | 220.81 | 5,764.79 | -929.11 | -802.15 | 1,227.47 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 12.73 | 220.81 | 5,862.33 | -945.79 | -816.55 | 1,249.52 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 12.73 | 220.81 | 5,959.87 | -962.48 | -830.96 | 1,271.56 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 12.73 | 220.81 | 6,057.41 | -979.16 | -845.36 | 1,293.60 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 12.73 | 220.81 | 6,154.95 | -995.85 | -859.77 | 1,315.64 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 12.73 | 220.81 | 6,252.49 | -1,012.53 | -874.17 | 1,337.69 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 12.73 | 220.81 | 6,350.03 | -1,029.22 | -888.58 | 1,359.73 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 12.73 | 220.81 | 6,447.57 | -1,045.90 | -902.98 | 1,381.77 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 12.73 | 220.81 | 6,545.11 | -1,062.59 | -917.39 | 1,403.81 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 12.73 | 220.81 | 6,642.65 | -1,079.27 | -931.79 | 1,425.86 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 12.73 | 220.81 | 6,740.19 | -1,095.96 | -946.20 | 1,447.90 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 12.73 | 220.81 | 6,837.73 | -1,112.64 | -960.60 | 1,469.94 | 0.00 | 0.00 | 0.00 |
| 7,004.38 | 12.73 | 220.81 | 6,842.00 | -1,113.37 | -961.23 | 1,470.91 | 0.00 | 0.00 | 0.00 |
| WSTC_LOWER | | | | | | | | | |
| 7,100.00 | 12.73 | 220.81 | 6,935.27 | -1,129.33 | -975.01 | 1,491.98 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 12.73 | 220.81 | 7,032.81 | -1,146.01 | -989.41 | 1,514.03 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 12.73 | 220.81 | 7,130.35 | -1,162.70 | -1,003.82 | 1,536.07 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 12.73 | 220.81 | 7,227.89 | -1,179.38 | -1,018.22 | 1,558.11 | 0.00 | 0.00 | 0.00 |
| 7,465.72 | 12.73 | 220.81 | 7,292.00 | -1,190.35 | -1,027.69 | 1,572.60 | 0.00 | 0.00 | 0.00 |
| MVRD | | | | | | | | | |
| 7,500.00 | 12.73 | 220.81 | 7,325.43 | -1,196.06 | -1,032.63 | 1,580.15 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 12.73 | 220.81 | 7,422.97 | -1,212.75 | -1,047.03 | 1,602.20 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 12.73 | 220.81 | 7,520.51 | -1,229.43 | -1,061.44 | 1,624.24 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 12.73 | 220.81 | 7,618.06 | -1,246.12 | -1,075.84 | 1,646.28 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 12.73 | 220.81 | 7,715.60 | -1,262.80 | -1,090.25 | 1,668.32 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 12.73 | 220.81 | 7,813.14 | -1,279.49 | -1,104.65 | 1,690.37 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 12.73 | 220.81 | 7,910.68 | -1,296.17 | -1,119.05 | 1,712.41 | 0.00 | 0.00 | 0.00 |
| 8,160.86 | 12.73 | 220.81 | 7,970.04 | -1,306.33 | -1,127.82 | 1,725.82 | 0.00 | 0.00 | 0.00 |
| Start Drop -1.50 | | | | | | | | | |
| 8,200.00 | 12.15 | 220.81 | 8,008.26 | -1,312.71 | -1,133.33 | 1,734.26 | 1.50 | -1.50 | 0.00 |
| 8,300.00 | 10.65 | 220.81 | 8,106.29 | -1,327.67 | -1,146.24 | 1,754.02 | 1.50 | -1.50 | 0.00 |
| 8,400.00 | 9.15 | 220.81 | 8,204.79 | -1,340.68 | -1,157.48 | 1,771.20 | 1.50 | -1.50 | 0.00 |
| 8,500.00 | 7.65 | 220.81 | 8,303.72 | -1,351.73 | -1,167.02 | 1,785.81 | 1.50 | -1.50 | 0.00 |
| 8,600.00 | 6.15 | 220.81 | 8,402.99 | -1,360.82 | -1,174.87 | 1,797.81 | 1.50 | -1.50 | 0.00 |
| 8,700.00 | 4.65 | 220.81 | 8,502.55 | -1,367.94 | -1,181.01 | 1,807.22 | 1.50 | -1.50 | 0.00 |
| 8,800.00 | 3.15 | 220.81 | 8,602.31 | -1,373.08 | -1,185.45 | 1,814.02 | 1.50 | -1.50 | 0.00 |
| 8,900.00 | 1.65 | 220.81 | 8,702.22 | -1,376.25 | -1,188.19 | 1,818.20 | 1.50 | -1.50 | 0.00 |
| 9,009.79 | 0.00 | 0.00 | 8,812.00 | -1,377.44 | -1,189.22 | 1,819.78 | 1.50 | -1.50 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well WMC 511-20 - Slot WMC 511-20 |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | KB=24' @ 8892.00usft |
| Project: | Garfield Co., CO (NAD83) | MD Reference: | KB=24' @ 8892.00usft |
| Site: | WMC 24-17 Pad | North Reference: | True |
| Well: | WMC 511-20 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| 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) |
| Start 2150.00 hold at 9009.79 MD - KMGAS | | | | | | | | | |
| 9,100.00 | 0.00 | 0.00 | 8,902.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 9,002.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 9,102.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 9,202.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 9,302.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 0.00 | 0.00 | 9,402.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,502.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,602.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,702.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 0.00 | 0.00 | 9,802.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 9,902.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 10,002.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,239.79 | 0.00 | 0.00 | 10,042.00 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| CME0 | | | | | | | | | |
| 10,300.00 | 0.00 | 0.00 | 10,102.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 10,202.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 0.00 | 0.00 | 10,302.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,402.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,502.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 0.00 | 0.00 | 10,602.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 0.00 | 0.00 | 10,702.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 0.00 | 0.00 | 10,802.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 11,009.79 | 0.00 | 0.00 | 10,812.00 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 11,100.00 | 0.00 | 0.00 | 10,902.21 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| 11,159.79 | 0.00 | 0.00 | 10,962.00 | -1,377.44 | -1,189.22 | 1,819.78 | 0.00 | 0.00 | 0.00 |
| TD at 11159.79 - TD | | | | | | | | | |

| 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 | | | | | | | | | |
| WMC 511-20 KMV | 0.00 | 0.00 | 8,812.00 | -1,377.44 | -1,189.22 | 1,591,683.00 | 2,349,376.50 | 39.435287 | -107.803797 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| WMC 511-20 PBHL | 0.00 | 0.00 | 10,962.00 | -1,377.44 | -1,189.22 | 1,591,683.00 | 2,349,376.50 | 39.435287 | -107.803797 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | |
|-----------------------|-----------------------|--------|---------------------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
| 1,100.00 | 1,082.85 | 9 5/8" | 9-5/8 | 13-1/2 |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well WMC 511-20 - Slot WMC 511-20 |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | KB=24' @ 8892.00usft |
| Project: | Garfield Co., CO (NAD83) | MD Reference: | KB=24' @ 8892.00usft |
| Site: | WMC 24-17 Pad | North Reference: | True |
| Well: | WMC 511-20 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,943.69 | 4,832.00 | G_SAND | | | | |
| 4,980.60 | 4,868.00 | G_SAND_BASE | | | | |
| 7,004.38 | 6,842.00 | WSTC_LOWER | | | | |
| 7,465.72 | 7,292.00 | MVRD | | | | |
| 9,009.79 | 8,812.00 | KMVGAS | | | | |
| 10,239.79 | 10,042.00 | CME0 | | | | |
| 11,009.79 | 10,812.00 | RLNS | | | | |
| 11,159.79 | 10,962.00 | TD | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 120.00 | 120.00 | 0.00 | 0.00 | Start Build 3.00 | |
| 544.47 | 540.98 | -35.56 | -30.70 | Start 7616.39 hold at 544.47 MD | |
| 8,160.86 | 7,970.04 | -1,306.33 | -1,127.82 | Start Drop -1.50 | |
| 9,009.79 | 8,812.00 | -1,377.44 | -1,189.22 | Start 2150.00 hold at 9009.79 MD | |
| 11,159.79 | 10,962.00 | -1,377.44 | -1,189.22 | TD at 11159.79 | |