



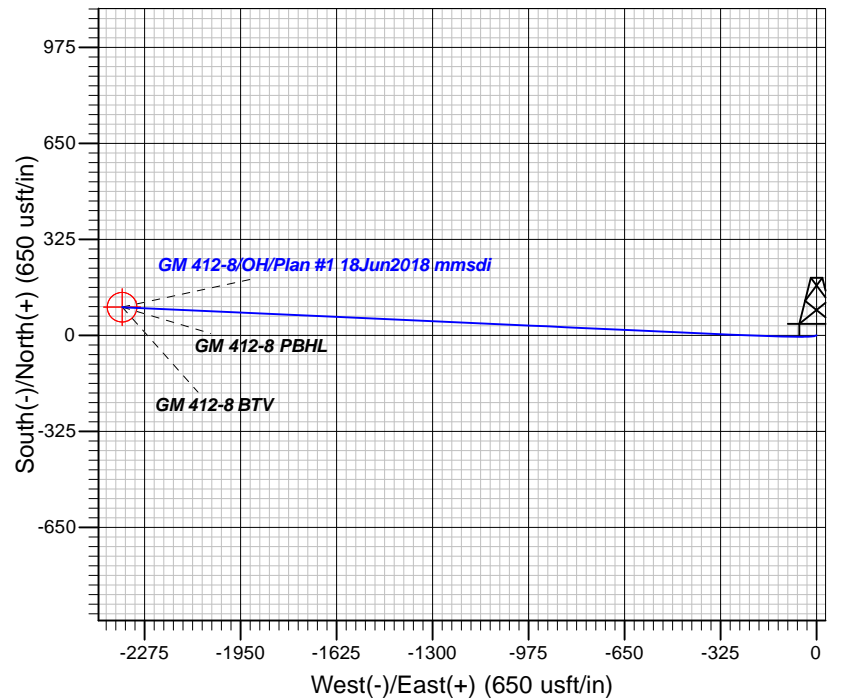
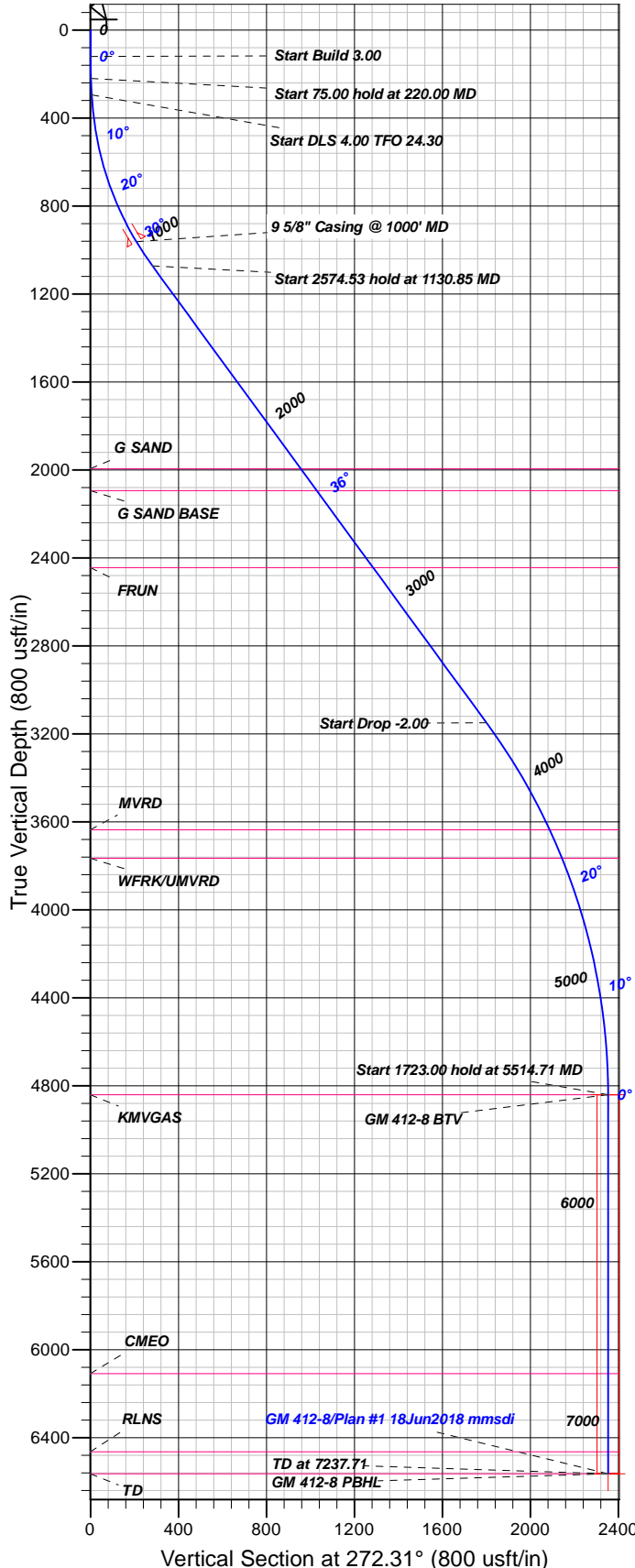
Azimuths to True North
Magnetic North: 9.52°

Magnetic Field
Strength: 51678.7snT
Dip Angle: 65.68°
Date: 6/18/2018
Model: HDGM

Well Details: GM 412-8

GL 6175' & RKB 24' @ 6199.00usft

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|------------|--------------|---------------|
| 0.00 | 0.00 | 1601127.46 | 2257375.39 | 39.4543483 | -108.1303610 | GM 412-8 (A4) |



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-------------|
| 1994.00 | 2273.61 | G SAND |
| 2094.00 | 2397.51 | G SAND BASE |
| 2443.63 | 2830.71 | FRUN |
| 3636.00 | 4271.01 | MVRD |
| 3766.00 | 4412.74 | WFRK/UMVRD |
| 4841.00 | 5514.71 | KMVGAS |
| 6109.00 | 6782.71 | CMEO |
| 6464.00 | 7137.71 | RLNS |
| 6564.00 | 7237.71 | TD |

Plan: Plan #1 18Jun2018 mmsdi

12:34, June 20 2018
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 |
|--------|---------|------------------------|------|
| 962.69 | 1000.00 | 5/8" Casing @ 1000' MD | 9.62 |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSeet | 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 | 220.00 | 3.00 | 250.00 | 219.95 | -0.90 | -2.46 | 3.00 | 250.00 | 2.42 | |
| 4 | 295.00 | 3.00 | 250.00 | 294.85 | -2.24 | -6.15 | 0.00 | 0.00 | 6.05 | |
| 5 | 1130.85 | 36.19 | 272.59 | 1071.68 | 1.52 | -281.04 | 4.00 | 24.30 | 280.88 | |
| 6 | 3705.38 | 36.19 | 272.59 | 3149.58 | 70.12 | -1799.55 | 0.00 | 0.00 | 1800.91 | |
| 7 | 5514.71 | 0.00 | 0.00 | 4841.00 | 95.06 | -2351.61 | 2.00 | 180.00 | 2353.53 | GM 412-8 BTV |
| 8 | 7237.71 | 0.00 | 0.00 | 6564.00 | 95.06 | -2351.61 | 0.00 | 0.00 | 2353.53 | GM 412-8 PBHL |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|---------------------------|---------|-------|----------|------------|------------|------------|--------------|------------------------|
| GM 412-8 BTV | 4841.00 | 95.06 | -2351.61 | 1601290.56 | 2255027.52 | 39.4546090 | -108.1386892 | Circle (Radius: 50.00) |
| - plan hits target center | | | | | | | | |
| GM 412-8 PBHL | 6564.00 | 95.06 | -2351.61 | 1601290.56 | 2255027.52 | 39.4546090 | -108.1386892 | Point |
| - plan hits target center | | | | | | | | |



TEP Rocky Mountain LLC

Garfield County, CO NAD83

MV 60-8D Pad

GM 412-8 - Slot GM 412-8 (A4)

OH

Plan: Plan #1 18Jun2018 mmsdi

Standard Planning Report

20 June, 2018



| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well GM 412-8 - Slot GM 412-8 (A4) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Site: | MV 60-8D Pad | North Reference: | True |
| Well: | GM 412-8 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 18Jun2018 mmsdi | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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 | | MV 60-8D Pad | | | |
| Site Position: | | Northing: | 1,601,172.03 usft | Latitude: | 39.4544712 |
| From: | Map | Easting: | 2,257,381.57 usft | Longitude: | -108.1303437 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: | -1.66 ° |

| | | | | | | |
|----------------------|-------------------------------|-------------|---------------------|-------------------|---------------|---------------|
| Well | GM 412-8 - Slot GM 412-8 (A4) | | | | | |
| Well Position | +N/-S | -44.73 usft | Northing: | 1,601,127.46 usft | Latitude: | 39.4543484 |
| | +E/-W | -4.89 usft | Easting: | 2,257,375.39 usft | Longitude: | -108.1303611 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 6,175.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 6/18/2018 | 9.52 | 65.68 | 51,679 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan #1 18Jun2018 mmsdi | | | |
| 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 | 272.31 |

| 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 | |
| 220.00 | 3.00 | 250.00 | 219.95 | -0.90 | -2.46 | 3.00 | 3.00 | 0.00 | 250.00 | |
| 295.00 | 3.00 | 250.00 | 294.85 | -2.24 | -6.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,130.85 | 36.19 | 272.59 | 1,071.68 | 1.52 | -281.04 | 4.00 | 3.97 | 2.70 | 24.30 | |
| 3,705.38 | 36.19 | 272.59 | 3,149.58 | 70.12 | -1,799.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,514.71 | 0.00 | 0.00 | 4,841.00 | 95.06 | -2,351.61 | 2.00 | -2.00 | 0.00 | 180.00 | GM 412-8 BTV |
| 7,237.71 | 0.00 | 0.00 | 6,564.00 | 95.06 | -2,351.61 | 0.00 | 0.00 | 0.00 | 0.00 | GM 412-8 PBHL |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well GM 412-8 - Slot GM 412-8 (A4) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Site: | MV 60-8D Pad | North Reference: | True |
| Well: | GM 412-8 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 18Jun2018 mmsdi | | |

| 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 | 250.00 | 199.98 | -0.57 | -1.57 | 1.55 | 3.00 | 3.00 | 0.00 |
| 220.00 | 3.00 | 250.00 | 219.95 | -0.90 | -2.46 | 2.42 | 3.00 | 3.00 | 0.00 |
| Start 75.00 hold at 220.00 MD | | | | | | | | | |
| 295.00 | 3.00 | 250.00 | 294.85 | -2.24 | -6.15 | 6.05 | 0.00 | 0.00 | 0.00 |
| Start DLS 4.00 TFO 24.30 | | | | | | | | | |
| 300.00 | 3.18 | 251.48 | 299.84 | -2.33 | -6.40 | 6.30 | 4.00 | 3.67 | 29.65 |
| 400.00 | 7.04 | 264.23 | 399.43 | -3.83 | -15.14 | 14.97 | 4.00 | 3.86 | 12.75 |
| 500.00 | 11.00 | 267.91 | 498.17 | -4.79 | -30.78 | 30.56 | 4.00 | 3.96 | 3.68 |
| 600.00 | 14.98 | 269.66 | 595.59 | -5.21 | -53.25 | 53.00 | 4.00 | 3.98 | 1.74 |
| 700.00 | 18.97 | 270.68 | 691.22 | -5.10 | -82.45 | 82.18 | 4.00 | 3.99 | 1.02 |
| 800.00 | 22.97 | 271.36 | 784.57 | -4.44 | -118.22 | 117.95 | 4.00 | 3.99 | 0.68 |
| 900.00 | 26.96 | 271.85 | 875.21 | -3.25 | -160.40 | 160.14 | 4.00 | 3.99 | 0.49 |
| 1,000.00 | 30.96 | 272.22 | 962.69 | -1.52 | -208.78 | 208.55 | 4.00 | 4.00 | 0.37 |
| 9 5/8" Casing @ 1000' MD | | | | | | | | | |
| 1,100.00 | 34.95 | 272.51 | 1,046.59 | 0.73 | -263.12 | 262.93 | 4.00 | 4.00 | 0.29 |
| 1,130.85 | 36.19 | 272.59 | 1,071.68 | 1.52 | -281.04 | 280.88 | 4.00 | 4.00 | 0.25 |
| Start 2574.53 hold at 1130.85 MD | | | | | | | | | |
| 1,200.00 | 36.19 | 272.59 | 1,127.49 | 3.37 | -321.83 | 321.71 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 36.19 | 272.59 | 1,208.20 | 6.03 | -380.81 | 380.75 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 36.19 | 272.59 | 1,288.91 | 8.70 | -439.80 | 439.79 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 36.19 | 272.59 | 1,369.62 | 11.36 | -498.78 | 498.83 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 36.19 | 272.59 | 1,450.33 | 14.02 | -557.76 | 557.87 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 36.19 | 272.59 | 1,531.04 | 16.69 | -616.74 | 616.91 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 36.19 | 272.59 | 1,611.75 | 19.35 | -675.72 | 675.95 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 36.19 | 272.59 | 1,692.46 | 22.02 | -734.70 | 734.99 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 36.19 | 272.59 | 1,773.17 | 24.68 | -793.68 | 794.03 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 36.19 | 272.59 | 1,853.88 | 27.35 | -852.67 | 853.08 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 36.19 | 272.59 | 1,934.59 | 30.01 | -911.65 | 912.12 | 0.00 | 0.00 | 0.00 |
| 2,273.61 | 36.19 | 272.59 | 1,994.00 | 31.97 | -955.07 | 955.58 | 0.00 | 0.00 | 0.00 |
| G SAND | | | | | | | | | |
| 2,300.00 | 36.19 | 272.59 | 2,015.30 | 32.68 | -970.63 | 971.16 | 0.00 | 0.00 | 0.00 |
| 2,397.51 | 36.19 | 272.59 | 2,094.00 | 35.27 | -1,028.14 | 1,028.73 | 0.00 | 0.00 | 0.00 |
| G SAND BASE | | | | | | | | | |
| 2,400.00 | 36.19 | 272.59 | 2,096.01 | 35.34 | -1,029.61 | 1,030.20 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 36.19 | 272.59 | 2,176.72 | 38.00 | -1,088.59 | 1,089.24 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 36.19 | 272.59 | 2,257.43 | 40.67 | -1,147.57 | 1,148.28 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 36.19 | 272.59 | 2,338.14 | 43.33 | -1,206.56 | 1,207.32 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 36.19 | 272.59 | 2,418.85 | 46.00 | -1,265.54 | 1,266.36 | 0.00 | 0.00 | 0.00 |
| 2,830.71 | 36.19 | 272.59 | 2,443.63 | 46.82 | -1,283.65 | 1,284.49 | 0.00 | 0.00 | 0.00 |
| FRUN | | | | | | | | | |
| 2,900.00 | 36.19 | 272.59 | 2,499.56 | 48.66 | -1,324.52 | 1,325.40 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 36.19 | 272.59 | 2,580.27 | 51.33 | -1,383.50 | 1,384.45 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 36.19 | 272.59 | 2,660.98 | 53.99 | -1,442.48 | 1,443.49 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 36.19 | 272.59 | 2,741.69 | 56.66 | -1,501.46 | 1,502.53 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 36.19 | 272.59 | 2,822.40 | 59.32 | -1,560.45 | 1,561.57 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 36.19 | 272.59 | 2,903.11 | 61.99 | -1,619.43 | 1,620.61 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 36.19 | 272.59 | 2,983.81 | 64.65 | -1,678.41 | 1,679.65 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 36.19 | 272.59 | 3,064.52 | 67.31 | -1,737.39 | 1,738.69 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 36.19 | 272.59 | 3,145.23 | 69.98 | -1,796.37 | 1,797.73 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well GM 412-8 - Slot GM 412-8 (A4) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Site: | MV 60-8D Pad | North Reference: | True |
| Well: | GM 412-8 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 18Jun2018 mmsdi | | |

| 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) | |
| 3,705.38 | 36.19 | 272.59 | 3,149.58 | 70.12 | -1,799.55 | 1,800.91 | 0.00 | 0.00 | 0.00 | |
| Start Drop -2.00 | | | | | | | | | | |
| 3,800.00 | 34.29 | 272.59 | 3,226.85 | 72.59 | -1,854.08 | 1,855.50 | 2.00 | -2.00 | 0.00 | |
| 3,900.00 | 32.29 | 272.59 | 3,310.43 | 75.06 | -1,908.92 | 1,910.39 | 2.00 | -2.00 | 0.00 | |
| 4,000.00 | 30.29 | 272.59 | 3,395.88 | 77.41 | -1,960.81 | 1,962.33 | 2.00 | -2.00 | 0.00 | |
| 4,100.00 | 28.29 | 272.59 | 3,483.09 | 79.61 | -2,009.68 | 2,011.26 | 2.00 | -2.00 | 0.00 | |
| 4,200.00 | 26.29 | 272.59 | 3,571.95 | 81.68 | -2,055.49 | 2,057.11 | 2.00 | -2.00 | 0.00 | |
| 4,271.01 | 24.87 | 272.59 | 3,636.00 | 83.07 | -2,086.13 | 2,087.78 | 2.00 | -2.00 | 0.00 | |
| MVRD | | | | | | | | | | |
| 4,300.00 | 24.29 | 272.59 | 3,662.36 | 83.61 | -2,098.17 | 2,099.84 | 2.00 | -2.00 | 0.00 | |
| 4,400.00 | 22.29 | 272.59 | 3,754.20 | 85.40 | -2,137.68 | 2,139.38 | 2.00 | -2.00 | 0.00 | |
| 4,412.74 | 22.04 | 272.59 | 3,766.00 | 85.61 | -2,142.48 | 2,144.19 | 2.00 | -2.00 | 0.00 | |
| WFRK/UMVRD | | | | | | | | | | |
| 4,500.00 | 20.29 | 272.59 | 3,847.37 | 87.04 | -2,173.95 | 2,175.69 | 2.00 | -2.00 | 0.00 | |
| 4,600.00 | 18.29 | 272.59 | 3,941.75 | 88.53 | -2,206.96 | 2,208.73 | 2.00 | -2.00 | 0.00 | |
| 4,700.00 | 16.29 | 272.59 | 4,037.22 | 89.87 | -2,236.66 | 2,238.46 | 2.00 | -2.00 | 0.00 | |
| 4,800.00 | 14.29 | 272.59 | 4,133.68 | 91.06 | -2,263.01 | 2,264.84 | 2.00 | -2.00 | 0.00 | |
| 4,900.00 | 12.29 | 272.59 | 4,230.99 | 92.10 | -2,285.98 | 2,287.83 | 2.00 | -2.00 | 0.00 | |
| 5,000.00 | 10.29 | 272.59 | 4,329.05 | 92.98 | -2,305.54 | 2,307.41 | 2.00 | -2.00 | 0.00 | |
| 5,100.00 | 8.29 | 272.59 | 4,427.73 | 93.71 | -2,321.67 | 2,323.56 | 2.00 | -2.00 | 0.00 | |
| 5,200.00 | 6.29 | 272.59 | 4,526.92 | 94.28 | -2,334.36 | 2,336.26 | 2.00 | -2.00 | 0.00 | |
| 5,300.00 | 4.29 | 272.59 | 4,626.49 | 94.70 | -2,343.57 | 2,345.49 | 2.00 | -2.00 | 0.00 | |
| 5,400.00 | 2.29 | 272.59 | 4,726.32 | 94.96 | -2,349.31 | 2,351.23 | 2.00 | -2.00 | 0.00 | |
| 5,500.00 | 0.29 | 272.59 | 4,826.29 | 95.06 | -2,351.57 | 2,353.49 | 2.00 | -2.00 | 0.00 | |
| 5,514.71 | 0.00 | 0.00 | 4,841.00 | 95.06 | -2,351.61 | 2,353.53 | 2.00 | -2.00 | 0.00 | |
| Start 1723.00 hold at 5514.71 MD - KMGAS - GM 412-8 BTV | | | | | | | | | | |
| 5,600.00 | 0.00 | 0.00 | 4,926.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 0.00 | 0.00 | 5,026.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 0.00 | 0.00 | 5,126.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 0.00 | 0.00 | 5,226.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 0.00 | 0.00 | 5,326.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 0.00 | 0.00 | 5,426.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 0.00 | 0.00 | 5,526.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,300.00 | 0.00 | 0.00 | 5,626.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,400.00 | 0.00 | 0.00 | 5,726.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,500.00 | 0.00 | 0.00 | 5,826.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 0.00 | 0.00 | 5,926.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,700.00 | 0.00 | 0.00 | 6,026.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,782.71 | 0.00 | 0.00 | 6,109.00 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| CMEO | | | | | | | | | | |
| 6,800.00 | 0.00 | 0.00 | 6,126.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 6,900.00 | 0.00 | 0.00 | 6,226.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 7,000.00 | 0.00 | 0.00 | 6,326.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 7,100.00 | 0.00 | 0.00 | 6,426.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 7,137.71 | 0.00 | 0.00 | 6,464.00 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| RLNS | | | | | | | | | | |
| 7,200.00 | 0.00 | 0.00 | 6,526.29 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| 7,237.71 | 0.00 | 0.00 | 6,564.00 | 95.06 | -2,351.61 | 2,353.53 | 0.00 | 0.00 | 0.00 | |
| TD at 7237.71 - TD - GM 412-8 PBHL | | | | | | | | | | |

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well GM 412-8 - Slot GM 412-8 (A4) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Project: | Garfield County, CO NAD83 | MD Reference: | GL 6175' & RKB 24' @ 6199.00usft |
| Site: | MV 60-8D Pad | North Reference: | True |
| Well: | GM 412-8 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 18Jun2018 mmsdi | | |

| Design Targets | | | | | | | | | |
|---------------------------|-----------|----------|----------|--------|-----------|--------------|--------------|------------|--------------|
| Target Name | | | | | | | | | |
| - hit/miss target | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - Shape | (°) | (°) | (usft) | (usft) | (usft) | (usft) | (usft) | | |
| GM 412-8 BTV | 0.00 | 0.00 | 4,841.00 | 95.06 | -2,351.61 | 1,601,290.56 | 2,255,027.52 | 39.4546091 | -108.1386893 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| GM 412-8 PBHL | 0.00 | 0.00 | 6,564.00 | 95.06 | -2,351.61 | 1,601,290.56 | 2,255,027.52 | 39.4546091 | -108.1386893 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | |
|-----------------------|-----------------------|--------------------------|----------------------|--------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) |
| 1,000.00 | 962.69 | 9 5/8" Casing @ 1000' MD | 9.62 | 13.50 |

| Formations | | | | | |
|-----------------------|-----------------------|-------------|-----------|---------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 2,273.61 | 1,994.00 | G SAND | | 0.00 | 0.00 |
| 2,397.51 | 2,094.00 | G SAND BASE | | 0.00 | 0.00 |
| 2,830.71 | 2,443.63 | FRUN | | 0.00 | 0.00 |
| 4,271.01 | 3,636.00 | MVRD | | 0.00 | 0.00 |
| 4,412.74 | 3,766.00 | WFRK/UMVRD | | 0.00 | 0.00 |
| 5,514.71 | 4,841.00 | KMVGAS | | 0.00 | 0.00 |
| 6,782.71 | 6,109.00 | CME0 | | 0.00 | 0.00 |
| 7,137.71 | 6,464.00 | RLNS | | 0.00 | 0.00 |
| 7,237.71 | 6,564.00 | TD | | 0.00 | 0.00 |

| 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 |
| 220.00 | 219.95 | -0.90 | -2.46 | Start 75.00 hold at 220.00 MD |
| 295.00 | 294.85 | -2.24 | -6.15 | Start DLS 4.00 TFO 24.30 |
| 1,130.85 | 1,071.68 | 1.52 | -281.04 | Start 2574.53 hold at 1130.85 MD |
| 3,705.38 | 3,149.58 | 70.12 | -1,799.55 | Start Drop -2.00 |
| 5,514.71 | 4,841.00 | 95.06 | -2,351.61 | Start 1723.00 hold at 5514.71 MD |
| 7,237.71 | 6,564.00 | 95.06 | -2,351.61 | TD at 7237.71 |