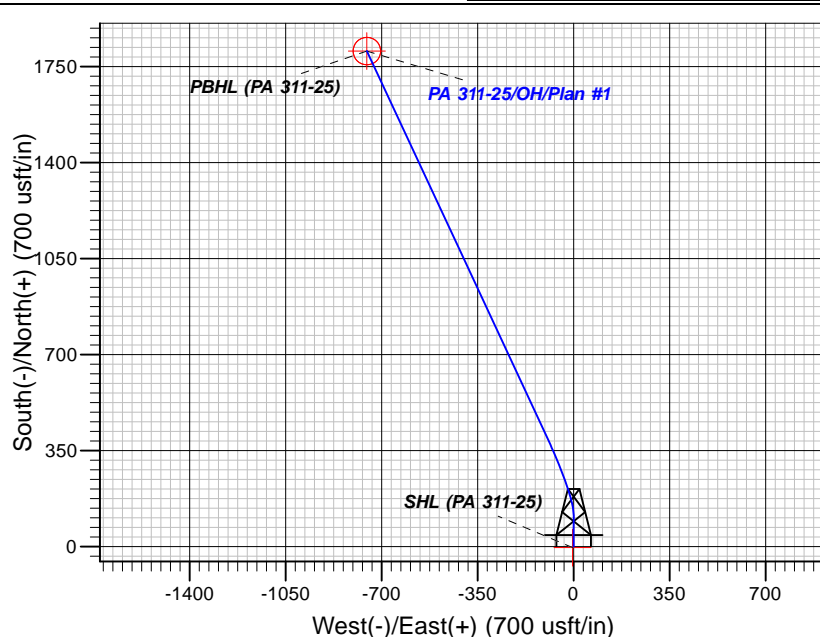


T M Azimuths to True North
Magnetic North: 9.45°
Magnetic Field
Strength: 51743.6nT
Dip Angle: 65.82°
Date: 5/22/2017
Model: HDGM

Magnetic Field
Strength: 51743.6snT
Dip Angle: 65.82°
Date: 5/22/2017
Model: HDGM



| TVDPath | MDPath | Formation |
|---------|---------|------------|
| 4303.00 | 4695.05 | Ohio Creek |
| 4378.00 | 4786.30 | Upper MVRD |
| 5528.00 | 6032.05 | Top of Gas |
| 6828.00 | 7333.92 | Cameo |
| 7828.00 | 8333.92 | RLNS |

17:54, June 02 2017
Created By: Mel Mireles

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone

System Datum: Mean Sea Level

| | | | |
|---------|---------|-------------------|------|
| TVD | MD | Name | Size |
| 1100.00 | 1100.00 | 9 5/8" @ 1100' MD | 9.62 |

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
|-----|---------|-------|--------|---------|---------|---------|------|--------|---------|------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 1200.00 | 0.00 | 0.00 | 1200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1700.00 | 10.00 | 0.00 | 1697.47 | 43.52 | 0.00 | 2.00 | 0.00 | 40.17 | |
| 4 | 2100.00 | 10.00 | 0.00 | 2091.39 | 112.98 | 0.00 | 0.00 | 0.00 | 104.27 | |
| 5 | 2975.81 | 35.04 | 334.99 | 2895.32 | 422.30 | -108.18 | 3.00 | -33.25 | 431.39 | |
| 6 | 4732.05 | 35.04 | 334.99 | 4333.29 | 1336.07 | -534.40 | 0.00 | 0.00 | 1438.82 | |
| 7 | 6483.93 | 0.00 | 0.00 | 5978.00 | 1806.57 | -753.86 | 2.00 | 180.00 | 1957.55 | |
| 8 | 8483.92 | 0.00 | 0.00 | 7978.00 | 1806.57 | -753.86 | 0.00 | 0.00 | 1957.55 | PBHL (PA 311-25) |

[illegible]



TEP Rocky Mountain LLC

Garfield County, CO NAD83

PA 22-25 Pad

PA 311-25 - Slot PA 311-25 (A12)

OH

Plan: Plan #1

Standard Planning Report

02 June, 2017



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 311-25 - Slot PA 311-25 (A12) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Project: | Garfield County, CO NAD83 | MD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Site: | PA 22-25 Pad | North Reference: | True |
| Well: | PA 311-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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 22-25 Pad | | | |
| Site Position: | | Northing: | 1,615,186.77 usft | Latitude: 39.4968742 |
| From: Map | | Easting: | 2,308,728.18 usft | Longitude: -107.9499045 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: -1.55 ° |

| | | | | |
|-----------------------------|--------------------------------------|------------|----------------------------|-------------------|
| Well | PA 311-25 - Slot PA 311-25 (A12), B8 | | | |
| Well Position | +N/-S | 3.61 usft | Northing: | 1,615,188.02 usft |
| | +E/-W | 87.01 usft | Easting: | 2,308,815.26 usft |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft |
| | | | Ground Level: | 5,224.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 5/22/2017 | 9.45 | 65.82 | 51,744 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| 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 | 337.35 |

| 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 | |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,700.00 | 10.00 | 0.00 | 1,697.47 | 43.52 | 0.00 | 2.00 | 2.00 | 0.00 | 0.00 | |
| 2,100.00 | 10.00 | 0.00 | 2,091.39 | 112.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,975.81 | 35.04 | 334.99 | 2,895.32 | 422.30 | -108.18 | 3.00 | 2.86 | -2.86 | -33.25 | |
| 4,732.05 | 35.04 | 334.99 | 4,333.29 | 1,336.07 | -534.40 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,483.93 | 0.00 | 0.00 | 5,978.00 | 1,806.57 | -753.86 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,483.92 | 0.00 | 0.00 | 7,978.00 | 1,806.57 | -753.86 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL (PA 311-25) |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 311-25 - Slot PA 311-25 (A12) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Project: | Garfield County, CO NAD83 | MD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Site: | PA 22-25 Pad | North Reference: | True |
| Well: | PA 311-25 | 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 |
| SHL (PA 311-25) | | | | | | | | | |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 5/8" @ 1100' MD | | | | | | | | | |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 2.00 | 0.00 | 1,299.98 | 1.75 | 0.00 | 1.61 | 2.00 | 2.00 | 0.00 |
| 1,400.00 | 4.00 | 0.00 | 1,399.84 | 6.98 | 0.00 | 6.44 | 2.00 | 2.00 | 0.00 |
| 1,500.00 | 6.00 | 0.00 | 1,499.45 | 15.69 | 0.00 | 14.48 | 2.00 | 2.00 | 0.00 |
| 1,600.00 | 8.00 | 0.00 | 1,598.70 | 27.88 | 0.00 | 25.73 | 2.00 | 2.00 | 0.00 |
| 1,700.00 | 10.00 | 0.00 | 1,697.47 | 43.52 | 0.00 | 40.17 | 2.00 | 2.00 | 0.00 |
| 1,800.00 | 10.00 | 0.00 | 1,795.95 | 60.89 | 0.00 | 56.19 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 10.00 | 0.00 | 1,894.43 | 78.25 | 0.00 | 72.22 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 10.00 | 0.00 | 1,992.91 | 95.62 | 0.00 | 88.24 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 10.00 | 0.00 | 2,091.39 | 112.98 | 0.00 | 104.27 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 12.62 | 352.45 | 2,189.44 | 132.49 | -1.43 | 122.83 | 3.00 | 2.62 | -7.55 |
| 2,300.00 | 15.37 | 347.51 | 2,286.47 | 156.27 | -5.74 | 146.42 | 3.00 | 2.75 | -4.94 |
| 2,400.00 | 18.20 | 344.06 | 2,382.20 | 184.23 | -12.89 | 174.98 | 3.00 | 2.83 | -3.45 |
| 2,500.00 | 21.08 | 341.52 | 2,476.38 | 216.31 | -22.88 | 208.44 | 3.00 | 2.88 | -2.54 |
| 2,600.00 | 23.98 | 339.57 | 2,568.74 | 252.42 | -35.68 | 246.69 | 3.00 | 2.91 | -1.95 |
| 2,700.00 | 26.91 | 338.02 | 2,659.03 | 292.45 | -51.25 | 289.63 | 3.00 | 2.93 | -1.55 |
| 2,800.00 | 29.85 | 336.75 | 2,747.00 | 336.31 | -69.55 | 337.15 | 3.00 | 2.94 | -1.27 |
| 2,900.00 | 32.80 | 335.69 | 2,832.42 | 383.87 | -90.52 | 389.12 | 3.00 | 2.95 | -1.06 |
| 2,975.81 | 35.04 | 334.99 | 2,895.32 | 422.30 | -108.18 | 431.39 | 3.00 | 2.96 | -0.92 |
| 3,000.00 | 35.04 | 334.99 | 2,915.13 | 434.89 | -114.05 | 445.27 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 35.04 | 334.99 | 2,997.01 | 486.92 | -138.32 | 502.63 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 35.04 | 334.99 | 3,078.89 | 538.95 | -162.59 | 559.99 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 35.04 | 334.99 | 3,160.76 | 590.98 | -186.85 | 617.36 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 35.04 | 334.99 | 3,242.64 | 643.01 | -211.12 | 674.72 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 35.04 | 334.99 | 3,324.52 | 695.04 | -235.39 | 732.08 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 35.04 | 334.99 | 3,406.40 | 747.07 | -259.66 | 789.44 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 35.04 | 334.99 | 3,488.27 | 799.10 | -283.93 | 846.81 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 35.04 | 334.99 | 3,570.15 | 851.13 | -308.20 | 904.17 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 35.04 | 334.99 | 3,652.03 | 903.16 | -332.47 | 961.53 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 35.04 | 334.99 | 3,733.91 | 955.19 | -356.74 | 1,018.90 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 35.04 | 334.99 | 3,815.78 | 1,007.22 | -381.01 | 1,076.26 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 35.04 | 334.99 | 3,897.66 | 1,059.24 | -405.27 | 1,133.62 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 35.04 | 334.99 | 3,979.54 | 1,111.27 | -429.54 | 1,190.98 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 35.04 | 334.99 | 4,061.42 | 1,163.30 | -453.81 | 1,248.35 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 35.04 | 334.99 | 4,143.29 | 1,215.33 | -478.08 | 1,305.71 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 35.04 | 334.99 | 4,225.17 | 1,267.36 | -502.35 | 1,363.07 | 0.00 | 0.00 | 0.00 |
| 4,695.05 | 35.04 | 334.99 | 4,303.00 | 1,316.82 | -525.42 | 1,417.60 | 0.00 | 0.00 | 0.00 |
| Ohio Creek | | | | | | | | | |
| 4,700.00 | 35.04 | 334.99 | 4,307.05 | 1,319.39 | -526.62 | 1,420.44 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 311-25 - Slot PA 311-25 (A12) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Project: | Garfield County, CO NAD83 | MD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Site: | PA 22-25 Pad | North Reference: | True |
| Well: | PA 311-25 | 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) | |
| 4,732.05 | 35.04 | 334.99 | 4,333.29 | 1,336.07 | -534.40 | 1,438.82 | 0.00 | 0.00 | 0.00 | |
| 4,786.30 | 33.95 | 334.99 | 4,378.00 | 1,363.91 | -547.38 | 1,469.52 | 2.00 | -2.00 | 0.00 | |
| Upper MVRD | | | | | | | | | | |
| 4,800.00 | 33.68 | 334.99 | 4,389.38 | 1,370.82 | -550.61 | 1,477.14 | 2.00 | -2.00 | 0.00 | |
| 4,900.00 | 31.68 | 334.99 | 4,473.55 | 1,419.75 | -573.43 | 1,531.08 | 2.00 | -2.00 | 0.00 | |
| 5,000.00 | 29.68 | 334.99 | 4,559.55 | 1,465.99 | -595.00 | 1,582.06 | 2.00 | -2.00 | 0.00 | |
| 5,021.07 | 29.26 | 334.99 | 4,577.90 | 1,475.38 | -599.38 | 1,592.41 | 2.00 | -2.00 | 0.00 | |
| PA 311-25 MVRD | | | | | | | | | | |
| 5,100.00 | 27.68 | 334.99 | 4,647.28 | 1,509.48 | -615.28 | 1,630.00 | 2.00 | -2.00 | 0.00 | |
| 5,200.00 | 25.68 | 334.99 | 4,736.63 | 1,550.16 | -634.26 | 1,674.86 | 2.00 | -2.00 | 0.00 | |
| 5,300.00 | 23.68 | 334.99 | 4,827.49 | 1,588.00 | -651.91 | 1,716.58 | 2.00 | -2.00 | 0.00 | |
| 5,400.00 | 21.68 | 334.99 | 4,919.75 | 1,622.94 | -668.21 | 1,755.10 | 2.00 | -2.00 | 0.00 | |
| 5,500.00 | 19.68 | 334.99 | 5,013.31 | 1,654.94 | -683.13 | 1,790.38 | 2.00 | -2.00 | 0.00 | |
| 5,600.00 | 17.68 | 334.99 | 5,108.04 | 1,683.96 | -696.67 | 1,822.38 | 2.00 | -2.00 | 0.00 | |
| 5,700.00 | 15.68 | 334.99 | 5,203.82 | 1,709.97 | -708.80 | 1,851.05 | 2.00 | -2.00 | 0.00 | |
| 5,800.00 | 13.68 | 334.99 | 5,300.56 | 1,732.93 | -719.51 | 1,876.37 | 2.00 | -2.00 | 0.00 | |
| 5,900.00 | 11.68 | 334.99 | 5,398.11 | 1,752.82 | -728.79 | 1,898.29 | 2.00 | -2.00 | 0.00 | |
| 6,000.00 | 9.68 | 334.99 | 5,496.38 | 1,769.62 | -736.62 | 1,916.81 | 2.00 | -2.00 | 0.00 | |
| 6,032.05 | 9.04 | 334.99 | 5,528.00 | 1,774.34 | -738.83 | 1,922.02 | 2.00 | -2.00 | 0.00 | |
| Top of Gas | | | | | | | | | | |
| 6,100.00 | 7.68 | 334.99 | 5,595.23 | 1,783.29 | -743.00 | 1,931.88 | 2.00 | -2.00 | 0.00 | |
| 6,200.00 | 5.68 | 334.99 | 5,694.54 | 1,793.83 | -747.92 | 1,943.50 | 2.00 | -2.00 | 0.00 | |
| 6,300.00 | 3.68 | 334.99 | 5,794.20 | 1,801.22 | -751.37 | 1,951.65 | 2.00 | -2.00 | 0.00 | |
| 6,400.00 | 1.68 | 334.99 | 5,894.09 | 1,805.46 | -753.34 | 1,956.32 | 2.00 | -2.00 | 0.00 | |
| 6,483.93 | 0.00 | 0.00 | 5,978.00 | 1,806.57 | -753.86 | 1,957.55 | 2.00 | -2.00 | 0.00 | |
| 6,500.00 | 0.00 | 0.00 | 5,994.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 0.00 | 0.00 | 6,094.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 6,700.00 | 0.00 | 0.00 | 6,194.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 6,800.00 | 0.00 | 0.00 | 6,294.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 6,900.00 | 0.00 | 0.00 | 6,394.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,000.00 | 0.00 | 0.00 | 6,494.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,100.00 | 0.00 | 0.00 | 6,594.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,200.00 | 0.00 | 0.00 | 6,694.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,300.00 | 0.00 | 0.00 | 6,794.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,333.92 | 0.00 | 0.00 | 6,828.00 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| Cameo | | | | | | | | | | |
| 7,400.00 | 0.00 | 0.00 | 6,894.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,500.00 | 0.00 | 0.00 | 6,994.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,600.00 | 0.00 | 0.00 | 7,094.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,700.00 | 0.00 | 0.00 | 7,194.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,800.00 | 0.00 | 0.00 | 7,294.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 7,900.00 | 0.00 | 0.00 | 7,394.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,000.00 | 0.00 | 0.00 | 7,494.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,100.00 | 0.00 | 0.00 | 7,594.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,200.00 | 0.00 | 0.00 | 7,694.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,300.00 | 0.00 | 0.00 | 7,794.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,333.92 | 0.00 | 0.00 | 7,828.00 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| RLNS | | | | | | | | | | |
| 8,400.00 | 0.00 | 0.00 | 7,894.08 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| 8,483.92 | 0.00 | 0.00 | 7,978.00 | 1,806.57 | -753.86 | 1,957.55 | 0.00 | 0.00 | 0.00 | |
| PBHL (PA 311-25) - PA 311-25 PBHL | | | | | | | | | | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | Grand Junction District | Local Co-ordinate Reference: | Well PA 311-25 - Slot PA 311-25 (A12) |
| Company: | TEP Rocky Mountain LLC | TVD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Project: | Garfield County, CO NAD83 | MD Reference: | WELL @ 5248.00usft (Original Well Elev) |
| Site: | PA 22-25 Pad | North Reference: | True |
| Well: | PA 311-25 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| 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 | | | | | | | | | |
| SHL (PA 311-25) | 0.00 | 0.00 | 0.00 | -3.38 | -4.49 | 1,615,184.77 | 2,308,810.68 | 39.4968748 | -107.9496121 |
| - plan misses target center by 5.62usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) | | | | | | | | | |
| - Point | | | | | | | | | |
| PBHL (PA 311-25) | 0.00 | 0.00 | 7,978.00 | 1,806.57 | -753.86 | 1,617,014.26 | 2,308,110.39 | 39.5018439 | -107.9522678 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

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

| Formations | | | | | | |
|-----------------------|-----------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,695.05 | 4,302.99 | Ohio Creek | | 0.00 | | |
| 4,786.30 | 4,377.99 | Upper MVRD | | 0.00 | | |
| 6,032.05 | 5,527.99 | Top of Gas | | 0.00 | | |
| 7,333.92 | 6,827.99 | Cameo | | 0.00 | | |
| 8,333.92 | 7,827.99 | RLNS | | 0.00 | | |