



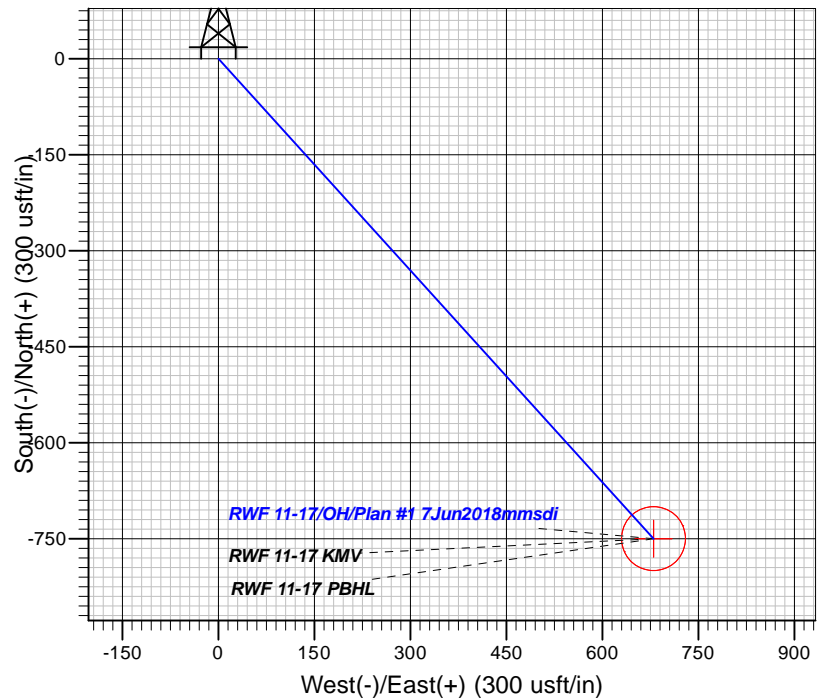
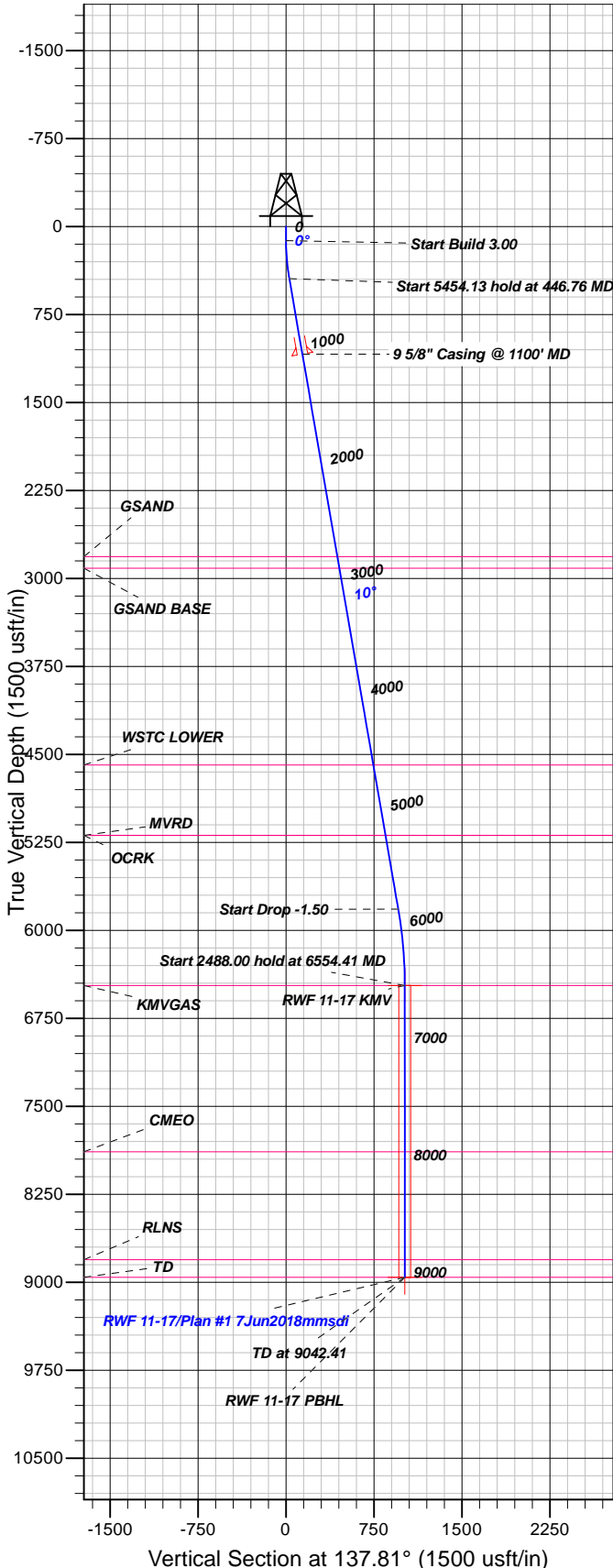
Azimuths to True North  
Magnetic North: 9.43°

Magnetic Field  
Strength: 51582.5snT  
Dip Angle: 65.80°  
Date: 6/7/2018  
Model: HDGM

## Well Details: RWF 11-17

GL 6174.5' & RKB 24' @ 6198.50usft

| +N/-S | +E/-W | Northing   | Easting    | Latitude   | Longitude    | Slot           |
|-------|-------|------------|------------|------------|--------------|----------------|
| 0.00  | 0.00  | 1627390.80 | 2317157.60 | 39.5309878 | -107.9211969 | RWF 11-17 (A7) |



## FORMATION TOP DETAILS

| TVDP    | MD      | Formation  |
|---------|---------|------------|
| 2814.00 | 2850.69 | GSAND      |
| 2914.00 | 2952.17 | GSAND BASE |
| 4590.00 | 4653.00 | WSTC LOWER |
| 5190.00 | 5261.89 | MVRD       |
| 5190.00 | 5261.89 | OCRK       |
| 6470.00 | 6554.41 | KMGAS      |
| 7888.00 | 7972.41 | CMEO       |
| 8808.00 | 8892.41 | RLNS       |
| 8958.00 | 9042.41 | TD         |

Plan: Plan #1 7Jun2018mmsdi

16:37, June 11 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 |
|---------|---------|------------------------|------|
| 1088.87 | 1100.00 | 5/8" Casing @ 1100' MD | 9.62 |

## SECTION DETAILS

| Sec | MD      | Inc  | Azi    | TVD     | +N/-S   | +E/-W  | Dleg | TFace  | VFace   | 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   | 446.76  | 9.80 | 137.81 | 445.17  | -20.66  | 18.73  | 3.00 | 137.81 | 27.88   |                |
| 4   | 5900.89 | 9.80 | 137.81 | 5819.66 | -708.64 | 642.42 | 0.00 | 0.00   | 956.49  |                |
| 5   | 6554.41 | 0.00 | 0.00   | 6470.00 | -749.96 | 679.88 | 1.50 | 180.00 | 1012.26 | RWF 11-17 KMV  |
| 6   | 9042.41 | 0.00 | 0.00   | 8958.00 | -749.96 | 679.88 | 0.00 | 0.00   | 1012.26 | RWF 11-17 PBHL |

## DESIGN TARGET DETAILS

| Name                      | TVD     | +N/-S   | +E/-W  | Northing   | Easting    | Latitude   | Longitude    | Shape                  |
|---------------------------|---------|---------|--------|------------|------------|------------|--------------|------------------------|
| RWF 11-17 KMV             | 6470.00 | -749.96 | 679.88 | 1626622.99 | 2317817.25 | 39.5289288 | -107.9187865 | Circle (Radius: 50.00) |
| - plan hits target center |         |         |        |            |            |            |              |                        |
| RWF 11-17 PBHL            | 8958.00 | -749.96 | 679.88 | 1626622.99 | 2317817.25 | 39.5289288 | -107.9187865 | Point                  |
| - plan hits target center |         |         |        |            |            |            |              |                        |



# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**DOE 1-M-18**

**RWF 11-17 - Slot RWF 11-17 (A7)**

**OH**

**Plan: Plan #1 7Jun2018mmsdi**

## **Standard Planning Report**

**11 June, 2018**



|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Grand Junction District   | <b>Local Co-ordinate Reference:</b> | Well RWF 11-17 - Slot RWF 11-17 (A7) |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Site:</b>     | DOE 1-M-18                | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | RWF 11-17                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1 7Jun2018mmsdi     |                                     |                                      |

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

| Site                  |           | DOE 1-M-18   |                   |                   |              |
|-----------------------|-----------|--------------|-------------------|-------------------|--------------|
| Site Position:        |           | Northing:    | 1,627,441.60 usft | Latitude:         | 39.5311260   |
| From:                 | Map       | Easting:     | 2,317,141.30 usft | Longitude:        | -107.9212595 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in          | Grid Convergence: | -1.53        |

| Well                 | RWF 11-17 - Slot RWF 11-17 (A7) |             |                     |                   |               |               |
|----------------------|---------------------------------|-------------|---------------------|-------------------|---------------|---------------|
| Well Position        | +N/-S                           | -50.35 usft | Northing:           | 1,627,390.80 usft | Latitude:     | 39.5309878    |
|                      | +E/-W                           | 17.65 usft  | Easting:            | 2,317,157.60 usft | Longitude:    | -107.9211969  |
| Position Uncertainty |                                 | 0.00 usft   | Wellhead Elevation: | 0.00 usft         | Ground Level: | 6,174.50 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 6/7/2018           | 9.43                   | 65.80                | 51,583                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1 7Jun2018mmsdi          |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                 | 137.81               |

| <b>Plan Sections</b>  |                 |             |                       |              |              |                         |                        |                       |         |                |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------|
| 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    |                |
| 446.76                | 9.80            | 137.81      | 445.17                | -20.66       | 18.73        | 3.00                    | 3.00                   | 0.00                  | 137.81  |                |
| 5,900.89              | 9.80            | 137.81      | 5,819.66              | -708.64      | 642.42       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                |
| 6,554.41              | 0.00            | 0.00        | 6,470.00              | -749.96      | 679.88       | 1.50                    | -1.50                  | 0.00                  | 180.00  | RWF 11-17 KMV  |
| 9,042.41              | 0.00            | 0.00        | 8,958.00              | -749.96      | 679.88       | 0.00                    | 0.00                   | 0.00                  | 0.00    | RWF 11-17 PBHL |

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Grand Junction District   | <b>Local Co-ordinate Reference:</b> | Well RWF 11-17 - Slot RWF 11-17 (A7) |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Site:</b>     | DOE 1-M-18                | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | RWF 11-17                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1 7Jun2018mmsdi     |                                     |                                      |

| 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                  |
| <b>Start Build 3.00</b>                |                 |             |                       |              |              |                         |                         |                        |                       |
| 200.00                                 | 2.40            | 137.81      | 199.98                | -1.24        | 1.13         | 1.68                    | 3.00                    | 3.00                   | 0.00                  |
| 300.00                                 | 5.40            | 137.81      | 299.73                | -6.28        | 5.69         | 8.48                    | 3.00                    | 3.00                   | 0.00                  |
| 400.00                                 | 8.40            | 137.81      | 399.00                | -15.18       | 13.76        | 20.49                   | 3.00                    | 3.00                   | 0.00                  |
| 446.76                                 | 9.80            | 137.81      | 445.17                | -20.66       | 18.73        | 27.88                   | 3.00                    | 3.00                   | 0.00                  |
| <b>Start 5454.13 hold at 446.76 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 500.00                                 | 9.80            | 137.81      | 497.63                | -27.37       | 24.82        | 36.95                   | 0.00                    | 0.00                   | 0.00                  |
| 600.00                                 | 9.80            | 137.81      | 596.17                | -39.99       | 36.25        | 53.97                   | 0.00                    | 0.00                   | 0.00                  |
| 700.00                                 | 9.80            | 137.81      | 694.71                | -52.60       | 47.69        | 71.00                   | 0.00                    | 0.00                   | 0.00                  |
| 800.00                                 | 9.80            | 137.81      | 793.25                | -65.22       | 59.12        | 88.03                   | 0.00                    | 0.00                   | 0.00                  |
| 900.00                                 | 9.80            | 137.81      | 891.79                | -77.83       | 70.56        | 105.05                  | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00                               | 9.80            | 137.81      | 990.33                | -90.44       | 81.99        | 122.08                  | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00                               | 9.80            | 137.81      | 1,088.87              | -103.06      | 93.43        | 139.10                  | 0.00                    | 0.00                   | 0.00                  |
| <b>9 5/8" Casing @ 1100' MD</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,200.00                               | 9.80            | 137.81      | 1,187.41              | -115.67      | 104.86       | 156.13                  | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00                               | 9.80            | 137.81      | 1,285.95              | -128.29      | 116.30       | 173.16                  | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00                               | 9.80            | 137.81      | 1,384.49              | -140.90      | 127.73       | 190.18                  | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00                               | 9.80            | 137.81      | 1,483.03              | -153.51      | 139.17       | 207.21                  | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00                               | 9.80            | 137.81      | 1,581.57              | -166.13      | 150.60       | 224.23                  | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00                               | 9.80            | 137.81      | 1,680.11              | -178.74      | 162.04       | 241.26                  | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00                               | 9.80            | 137.81      | 1,778.65              | -191.36      | 173.47       | 258.28                  | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00                               | 9.80            | 137.81      | 1,877.19              | -203.97      | 184.91       | 275.31                  | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00                               | 9.80            | 137.81      | 1,975.73              | -216.58      | 196.34       | 292.34                  | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00                               | 9.80            | 137.81      | 2,074.27              | -229.20      | 207.78       | 309.36                  | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00                               | 9.80            | 137.81      | 2,172.81              | -241.81      | 219.22       | 326.39                  | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00                               | 9.80            | 137.81      | 2,271.35              | -254.43      | 230.65       | 343.41                  | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00                               | 9.80            | 137.81      | 2,369.89              | -267.04      | 242.09       | 360.44                  | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00                               | 9.80            | 137.81      | 2,468.43              | -279.65      | 253.52       | 377.46                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00                               | 9.80            | 137.81      | 2,566.97              | -292.27      | 264.96       | 394.49                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00                               | 9.80            | 137.81      | 2,665.51              | -304.88      | 276.39       | 411.52                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00                               | 9.80            | 137.81      | 2,764.05              | -317.50      | 287.83       | 428.54                  | 0.00                    | 0.00                   | 0.00                  |
| 2,850.69                               | 9.80            | 137.81      | 2,814.00              | -323.89      | 293.62       | 437.17                  | 0.00                    | 0.00                   | 0.00                  |
| <b>GSAND</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,900.00                               | 9.80            | 137.81      | 2,862.59              | -330.11      | 299.26       | 445.57                  | 0.00                    | 0.00                   | 0.00                  |
| 2,952.17                               | 9.80            | 137.81      | 2,914.00              | -336.69      | 305.23       | 454.45                  | 0.00                    | 0.00                   | 0.00                  |
| <b>GSAND BASE</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,000.00                               | 9.80            | 137.81      | 2,961.13              | -342.72      | 310.70       | 462.59                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00                               | 9.80            | 137.81      | 3,059.67              | -355.34      | 322.13       | 479.62                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00                               | 9.80            | 137.81      | 3,158.21              | -367.95      | 333.57       | 496.64                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00                               | 9.80            | 137.81      | 3,256.75              | -380.57      | 345.00       | 513.67                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00                               | 9.80            | 137.81      | 3,355.29              | -393.18      | 356.44       | 530.70                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00                               | 9.80            | 137.81      | 3,453.83              | -405.79      | 367.87       | 547.72                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00                               | 9.80            | 137.81      | 3,552.37              | -418.41      | 379.31       | 564.75                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00                               | 9.80            | 137.81      | 3,650.91              | -431.02      | 390.74       | 581.77                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00                               | 9.80            | 137.81      | 3,749.45              | -443.64      | 402.18       | 598.80                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00                               | 9.80            | 137.81      | 3,847.99              | -456.25      | 413.61       | 615.82                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                               | 9.80            | 137.81      | 3,946.53              | -468.86      | 425.05       | 632.85                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                               | 9.80            | 137.81      | 4,045.07              | -481.48      | 436.48       | 649.88                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00                               | 9.80            | 137.81      | 4,143.61              | -494.09      | 447.92       | 666.90                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                               | 9.80            | 137.81      | 4,242.15              | -506.71      | 459.35       | 683.93                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                               | 9.80            | 137.81      | 4,340.69              | -519.32      | 470.79       | 700.95                  | 0.00                    | 0.00                   | 0.00                  |

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Grand Junction District   | <b>Local Co-ordinate Reference:</b> | Well RWF 11-17 - Slot RWF 11-17 (A7) |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Site:</b>     | DOE 1-M-18                | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | RWF 11-17                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1 7Jun2018mmsdi     |                                     |                                      |

| 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  | 9.80            | 137.81      | 4,439.23              | -531.93      | 482.23       | 717.98                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00  | 9.80            | 137.81      | 4,537.77              | -544.55      | 493.66       | 735.00                  | 0.00                    | 0.00                   | 0.00                  |
| 4,653.00  | 9.80            | 137.81      | 4,590.00              | -551.23      | 499.72       | 744.03                  | 0.00                    | 0.00                   | 0.00                  |
| <b>WSTC LOWER</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,700.00  | 9.80            | 137.81      | 4,636.31              | -557.16      | 505.10       | 752.03                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00  | 9.80            | 137.81      | 4,734.85              | -569.77      | 516.53       | 769.06                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00  | 9.80            | 137.81      | 4,833.39              | -582.39      | 527.97       | 786.08                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00  | 9.80            | 137.81      | 4,931.93              | -595.00      | 539.40       | 803.11                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00  | 9.80            | 137.81      | 5,030.47              | -607.62      | 550.84       | 820.13                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00  | 9.80            | 137.81      | 5,129.01              | -620.23      | 562.27       | 837.16                  | 0.00                    | 0.00                   | 0.00                  |
| 5,261.89  | 9.80            | 137.81      | 5,190.00              | -628.04      | 569.35       | 847.70                  | 0.00                    | 0.00                   | 0.00                  |
| <b>OCRK - MVRD</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,300.00  | 9.80            | 137.81      | 5,227.55              | -632.84      | 573.71       | 854.18                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00  | 9.80            | 137.81      | 5,326.09              | -645.46      | 585.14       | 871.21                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00  | 9.80            | 137.81      | 5,424.63              | -658.07      | 596.58       | 888.24                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00  | 9.80            | 137.81      | 5,523.17              | -670.69      | 608.01       | 905.26                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00  | 9.80            | 137.81      | 5,621.71              | -683.30      | 619.45       | 922.29                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00  | 9.80            | 137.81      | 5,720.25              | -695.91      | 630.88       | 939.31                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00  | 9.80            | 137.81      | 5,818.79              | -708.53      | 642.32       | 956.34                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.89  | 9.80            | 137.81      | 5,819.66              | -708.64      | 642.42       | 956.49                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Drop -1.50</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,000.00  | 8.32            | 137.81      | 5,917.54              | -720.20      | 652.90       | 972.10                  | 1.50                    | -1.50                  | 0.00                  |
| 6,100.00  | 6.82            | 137.81      | 6,016.66              | -729.96      | 661.74       | 985.26                  | 1.50                    | -1.50                  | 0.00                  |
| 6,200.00  | 5.32            | 137.81      | 6,116.10              | -737.79      | 668.84       | 995.83                  | 1.50                    | -1.50                  | 0.00                  |
| 6,300.00  | 3.82            | 137.81      | 6,215.78              | -743.68      | 674.19       | 1,003.79                | 1.50                    | -1.50                  | 0.00                  |
| 6,400.00  | 2.32            | 137.81      | 6,315.63              | -747.65      | 677.78       | 1,009.14                | 1.50                    | -1.50                  | 0.00                  |
| 6,500.00  | 0.82            | 137.81      | 6,415.59              | -749.67      | 679.62       | 1,011.87                | 1.50                    | -1.50                  | 0.00                  |
| 6,554.41  | 0.00            | 0.00        | 6,470.00              | -749.96      | 679.88       | 1,012.26                | 1.50                    | -1.50                  | 0.00                  |
| <b>Start 2488.00 hold at 6554.41 MD - KMGAS - RWF 11-17 KMV</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,600.00  | 0.00            | 0.00        | 6,515.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00  | 0.00            | 0.00        | 6,615.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00  | 0.00            | 0.00        | 6,715.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00  | 0.00            | 0.00        | 6,815.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00  | 0.00            | 0.00        | 6,915.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00  | 0.00            | 0.00        | 7,015.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00  | 0.00            | 0.00        | 7,115.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00  | 0.00            | 0.00        | 7,215.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00  | 0.00            | 0.00        | 7,315.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00  | 0.00            | 0.00        | 7,415.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00  | 0.00            | 0.00        | 7,515.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00  | 0.00            | 0.00        | 7,615.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00  | 0.00            | 0.00        | 7,715.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00  | 0.00            | 0.00        | 7,815.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 7,972.41  | 0.00            | 0.00        | 7,888.00              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| <b>CME0</b>   |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,000.00  | 0.00            | 0.00        | 7,915.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00  | 0.00            | 0.00        | 8,015.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00  | 0.00            | 0.00        | 8,115.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00  | 0.00            | 0.00        | 8,215.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00  | 0.00            | 0.00        | 8,315.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00  | 0.00            | 0.00        | 8,415.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00  | 0.00            | 0.00        | 8,515.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00  | 0.00            | 0.00        | 8,615.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Grand Junction District   | <b>Local Co-ordinate Reference:</b> | Well RWF 11-17 - Slot RWF 11-17 (A7) |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Site:</b>     | DOE 1-M-18                | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | RWF 11-17                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1 7Jun2018mmsdi     |                                     |                                      |

| 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) |  |
| 8,800.00                            | 0.00            | 0.00        | 8,715.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |  |
| 8,892.41                            | 0.00            | 0.00        | 8,808.00              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |  |
| RLNS                                |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,900.00                            | 0.00            | 0.00        | 8,815.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.00                            | 0.00            | 0.00        | 8,915.59              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |  |
| 9,042.41                            | 0.00            | 0.00        | 8,958.00              | -749.96      | 679.88       | 1,012.26                | 0.00                    | 0.00                   | 0.00                  |  |
| TD at 9042.41 - TD - RWF 11-17 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                   |               |              |            |              |              |                 |                |            |              |  |
| RWF 11-17 KMV             | 0.00          | 0.00         | 6,470.00   | -749.96      | 679.88       | 1,626,622.99    | 2,317,817.25   | 39.5289288 | -107.9187866 |  |
| - plan hits target center |               |              |            |              |              |                 |                |            |              |  |
| - Circle (radius 50.00)   |               |              |            |              |              |                 |                |            |              |  |
| RWF 11-17 PBHL            | 0.00          | 0.00         | 8,958.00   | -749.96      | 679.88       | 1,626,622.99    | 2,317,817.25   | 39.5289288 | -107.9187866 |  |
| - plan hits target center |               |              |            |              |              |                 |                |            |              |  |
| - Point                   |               |              |            |              |              |                 |                |            |              |  |

| Casing Points         |                       |                          |  |  |  |                      |                    |  |  |  |
|-----------------------|-----------------------|--------------------------|--|--|--|----------------------|--------------------|--|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                     |  |  |  | Casing Diameter (in) | Hole Diameter (in) |  |  |  |
| 1,100.00              | 1,088.87              | 9 5/8" Casing @ 1100' MD |  |  |  | 9.62                 | 13.50              |  |  |  |

| Formations            |                       |            |           |         |                   |  |  |  |  |  |
|-----------------------|-----------------------|------------|-----------|---------|-------------------|--|--|--|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name       | Lithology | Dip (°) | Dip Direction (°) |  |  |  |  |  |
| 2,850.69              | 2,814.00              | GSAND      |           | 0.00    | 0.00              |  |  |  |  |  |
| 2,952.17              | 2,914.00              | GSAND BASE |           | 0.00    | 0.00              |  |  |  |  |  |
| 4,653.00              | 4,590.00              | WSTC LOWER |           | 0.00    | 0.00              |  |  |  |  |  |
| 5,261.89              | 5,190.00              | OCRK       |           | 0.00    | 0.00              |  |  |  |  |  |
| 5,261.89              | 5,190.00              | MVRD       |           | 0.00    | 0.00              |  |  |  |  |  |
| 6,554.41              | 6,470.00              | KMVGAS     |           | 0.00    | 0.00              |  |  |  |  |  |
| 7,972.41              | 7,888.00              | CMEQ       |           | 0.00    | 0.00              |  |  |  |  |  |
| 8,892.41              | 8,808.00              | RLNS       |           | 0.00    | 0.00              |  |  |  |  |  |
| 9,042.41              | 8,958.00              | TD         |           | 0.00    | 0.00              |  |  |  |  |  |

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Grand Junction District   | <b>Local Co-ordinate Reference:</b> | Well RWF 11-17 - Slot RWF 11-17 (A7) |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | GL 6174.5' & RKB 24' @ 6198.50usft   |
| <b>Site:</b>     | DOE 1-M-18                | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | RWF 11-17                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1 7Jun2018mmsdi     |                                     |                                      |

| Plan Annotations            |                             |                   |                 |                                  |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                          |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                  |
| 120.00                      | 120.00                      | 0.00              | 0.00            | Start Build 3.00                 |
| 446.76                      | 445.17                      | -20.66            | 18.73           | Start 5454.13 hold at 446.76 MD  |
| 5,900.89                    | 5,819.66                    | -708.64           | 642.42          | Start Drop -1.50                 |
| 6,554.41                    | 6,470.00                    | -749.96           | 679.88          | Start 2488.00 hold at 6554.41 MD |
| 9,042.41                    | 8,958.00                    | -749.96           | 679.88          | TD at 9042.41                    |