

# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**PA 44-13**

**PA 432-13 - Slot B10**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**17 July, 2018**

**N/A**  
Planning Report

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM_PROD                  | <b>Local Co-ordinate Reference:</b> | Well PA 432-13 - Slot B10            |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | WELL @ 6594.0ft (Original Well Elev) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | WELL @ 6594.0ft (Original Well Elev) |
| <b>Site:</b>     | PA 44-13                  | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | PA 432-13                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1                   |                                     |                                      |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <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                  |        | PA 44-13     |                 |                   |                   |
| Site Position:        |        | Northing:    | 1,623,782.10 ft | Latitude:         | 39° 31' 14.301 N  |
| From:                 | Map    | Easting:     | 2,311,231.60 ft | Longitude:        | 107° 56' 30.736 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in       | Grid Convergence: | -1.54 °           |

| Well                 | PA 432-13 - Slot B10 |         |                     |                 |               |                   |
|----------------------|----------------------|---------|---------------------|-----------------|---------------|-------------------|
| Well Position        | +N/-S                | 21.6 ft | Northing:           | 1,623,803.90 ft | Latitude:     | 39° 31' 14.515 N  |
|                      | +E/-W                | -6.4 ft | Easting:            | 2,311,225.80 ft | Longitude:    | 107° 56' 30.818 W |
| Position Uncertainty |                      | 0.0 ft  | Wellhead Elevation: |                 | Ground Level: | 6,570.0 ft        |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                  | IGRF2000          | 12/31/2004         | 11.43                  | 66.02                | 53,064.36508076            |

|                   |                          |               |               |                  |
|-------------------|--------------------------|---------------|---------------|------------------|
| Design            | Plan #1                  |               |               |                  |
| Audit Notes:      |                          |               |               |                  |
| Version:          | Phase:                   | PLAN          | Tie On Depth: | 0.0              |
| Vertical Section: | Depth From (TVD)<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Direction<br>(°) |
|                   | 0.0                      | 0.0           | 0.0           | 334.67           |

|                                 |                 |                          |                              |                |  |
|---------------------------------|-----------------|--------------------------|------------------------------|----------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>     | 7/17/2018                |                              |                |  |
| <b>Depth From</b>               | <b>Depth To</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>             | <b>Remarks</b> |  |
| (ft)                            | (ft)            |                          |                              |                |  |
| 1                               | 0.0             | 9,918.0 Plan #1 (OH)     | SDI MWD                      |                |  |
|                                 |                 |                          | SDI MWD - Standard ver 1.0.1 |                |  |

|                       |                    |                |                       |              |              |                    |                   |                  |            |               |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|--------------------|-------------------|------------------|------------|---------------|
| <b>Plan Sections</b>  |                    |                |                       |              |              |                    |                   |                  |            |               |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical Depth</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Dogleg Rate</b> | <b>Build Rate</b> | <b>Turn Rate</b> | <b>TFO</b> | <b>Target</b> |
| (ft)                  | (°)                | (°)            | (ft)                  | (ft)         | (ft)         | (°/100usft)        | (°/100usft)       | (°/100usft)      | (°)        |               |
| 0.0                   | 0.00               | 0.00           | 0.0                   | 0.0          | 0.0          | 0.00               | 0.00              | 0.00             | 0.00       |               |
| 135.0                 | 0.00               | 0.00           | 135.0                 | 0.0          | 0.0          | 0.00               | 0.00              | 0.00             | 0.00       |               |
| 876.6                 | 22.25              | 334.67         | 858.1                 | 128.5        | -60.8        | 3.00               | 3.00              | 0.00             | 334.67     |               |
| 5,974.8               | 22.25              | 334.67         | 5,576.8               | 1,873.3      | -886.5       | 0.00               | 0.00              | 0.00             | 0.00       |               |
| 7,458.0               | 0.00               | 0.00           | 7,023.0               | 2,130.3      | -1,008.1     | 1.50               | -1.50             | 0.00             | 180.00     |               |
| 9,918.0               | 0.00               | 0.00           | 9,483.0               | 2,130.3      | -1,008.1     | 0.00               | 0.00              | 0.00             | 0.00       | PA 432-13 TD  |

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|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
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| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | WELL @ 6594.0ft (Original Well Elev) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | WELL @ 6594.0ft (Original Well Elev) |
| <b>Site:</b>     | PA 44-13                  | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | PA 432-13                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1                   |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 100.0               | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 135.0               | 0.00            | 0.00        | 135.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 200.0               | 1.95            | 334.67      | 200.0               | 1.0        | -0.5       | 1.1                   | 3.00                    | 3.00                   | 0.00                  |
| 300.0               | 4.95            | 334.67      | 299.8               | 6.4        | -3.0       | 7.1                   | 3.00                    | 3.00                   | 0.00                  |
| 400.0               | 7.95            | 334.67      | 399.2               | 16.6       | -7.9       | 18.4                  | 3.00                    | 3.00                   | 0.00                  |
| 500.0               | 10.95           | 334.67      | 497.8               | 31.4       | -14.9      | 34.8                  | 3.00                    | 3.00                   | 0.00                  |
| 600.0               | 13.95           | 334.67      | 595.4               | 50.9       | -24.1      | 56.3                  | 3.00                    | 3.00                   | 0.00                  |
| 700.0               | 16.95           | 334.67      | 691.8               | 75.0       | -35.5      | 83.0                  | 3.00                    | 3.00                   | 0.00                  |
| 800.0               | 19.95           | 334.67      | 786.6               | 103.6      | -49.0      | 114.6                 | 3.00                    | 3.00                   | 0.00                  |
| 876.6               | 22.25           | 334.67      | 858.1               | 128.5      | -60.8      | 142.2                 | 3.00                    | 3.00                   | 0.00                  |
| 900.0               | 22.25           | 334.67      | 879.8               | 136.5      | -64.6      | 151.0                 | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0             | 22.25           | 334.67      | 972.3               | 170.7      | -80.8      | 188.9                 | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0             | 22.25           | 334.67      | 1,064.9             | 205.0      | -97.0      | 226.8                 | 0.00                    | 0.00                   | 0.00                  |
| 9 5/8"              |                 |             |                     |            |            |                       |                         |                        |                       |
| 1,200.0             | 22.25           | 334.67      | 1,157.4             | 239.2      | -113.2     | 264.6                 | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0             | 22.25           | 334.67      | 1,250.0             | 273.4      | -129.4     | 302.5                 | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0             | 22.25           | 334.67      | 1,342.5             | 307.6      | -145.6     | 340.3                 | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0             | 22.25           | 334.67      | 1,435.1             | 341.9      | -161.8     | 378.2                 | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0             | 22.25           | 334.67      | 1,527.7             | 376.1      | -178.0     | 416.1                 | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0             | 22.25           | 334.67      | 1,620.2             | 410.3      | -194.2     | 453.9                 | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0             | 22.25           | 334.67      | 1,712.8             | 444.5      | -210.4     | 491.8                 | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0             | 22.25           | 334.67      | 1,805.3             | 478.7      | -226.6     | 529.7                 | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0             | 22.25           | 334.67      | 1,897.9             | 513.0      | -242.8     | 567.5                 | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0             | 22.25           | 334.67      | 1,990.4             | 547.2      | -259.0     | 605.4                 | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0             | 22.25           | 334.67      | 2,083.0             | 581.4      | -275.1     | 643.2                 | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0             | 22.25           | 334.67      | 2,175.5             | 615.6      | -291.3     | 681.1                 | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0             | 22.25           | 334.67      | 2,268.1             | 649.9      | -307.5     | 719.0                 | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0             | 22.25           | 334.67      | 2,360.7             | 684.1      | -323.7     | 756.8                 | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0             | 22.25           | 334.67      | 2,453.2             | 718.3      | -339.9     | 794.7                 | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0             | 22.25           | 334.67      | 2,545.8             | 752.5      | -356.1     | 832.5                 | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0             | 22.25           | 334.67      | 2,638.3             | 786.7      | -372.3     | 870.4                 | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0             | 22.25           | 334.67      | 2,730.9             | 821.0      | -388.5     | 908.3                 | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0             | 22.25           | 334.67      | 2,823.4             | 855.2      | -404.7     | 946.1                 | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0             | 22.25           | 334.67      | 2,916.0             | 889.4      | -420.9     | 984.0                 | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0             | 22.25           | 334.67      | 3,008.5             | 923.6      | -437.1     | 1,021.8               | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0             | 22.25           | 334.67      | 3,101.1             | 957.9      | -453.3     | 1,059.7               | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0             | 22.25           | 334.67      | 3,193.7             | 992.1      | -469.5     | 1,097.6               | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0             | 22.25           | 334.67      | 3,286.2             | 1,026.3    | -485.7     | 1,135.4               | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0             | 22.25           | 334.67      | 3,378.8             | 1,060.5    | -501.9     | 1,173.3               | 0.00                    | 0.00                   | 0.00                  |
| 3,608.9             | 22.25           | 334.67      | 3,387.0             | 1,063.6    | -503.3     | 1,176.7               | 0.00                    | 0.00                   | 0.00                  |
| G SAND              |                 |             |                     |            |            |                       |                         |                        |                       |
| 3,700.0             | 22.25           | 334.67      | 3,471.3             | 1,094.8    | -518.1     | 1,211.1               | 0.00                    | 0.00                   | 0.00                  |
| 3,709.4             | 22.25           | 334.67      | 3,480.0             | 1,098.0    | -519.6     | 1,214.7               | 0.00                    | 0.00                   | 0.00                  |
| G SAND BASE         |                 |             |                     |            |            |                       |                         |                        |                       |
| 3,800.0             | 22.25           | 334.67      | 3,563.9             | 1,129.0    | -534.3     | 1,249.0               | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0             | 22.25           | 334.67      | 3,656.4             | 1,163.2    | -550.5     | 1,286.9               | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0             | 22.25           | 334.67      | 3,749.0             | 1,197.4    | -566.7     | 1,324.7               | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0             | 22.25           | 334.67      | 3,841.6             | 1,231.6    | -582.9     | 1,362.6               | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0             | 22.25           | 334.67      | 3,934.1             | 1,265.9    | -599.0     | 1,400.5               | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0             | 22.25           | 334.67      | 4,026.7             | 1,300.1    | -615.2     | 1,438.3               | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0             | 22.25           | 334.67      | 4,119.2             | 1,334.3    | -631.4     | 1,476.2               | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0             | 22.25           | 334.67      | 4,211.8             | 1,368.5    | -647.6     | 1,514.0               | 0.00                    | 0.00                   | 0.00                  |

**N/A**  
Planning Report

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM_PROD                  | <b>Local Co-ordinate Reference:</b> | Well PA 432-13 - Slot B10            |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | WELL @ 6594.0ft (Original Well Elev) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | WELL @ 6594.0ft (Original Well Elev) |
| <b>Site:</b>     | PA 44-13                  | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | PA 432-13                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1                   |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,600.0             | 22.25           | 334.67      | 4,304.3             | 1,402.8    | -663.8     | 1,551.9               | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0             | 22.25           | 334.67      | 4,396.9             | 1,437.0    | -680.0     | 1,589.8               | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0             | 22.25           | 334.67      | 4,489.4             | 1,471.2    | -696.2     | 1,627.6               | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0             | 22.25           | 334.67      | 4,582.0             | 1,505.4    | -712.4     | 1,665.5               | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0             | 22.25           | 334.67      | 4,674.6             | 1,539.6    | -728.6     | 1,703.3               | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0             | 22.25           | 334.67      | 4,767.1             | 1,573.9    | -744.8     | 1,741.2               | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0             | 22.25           | 334.67      | 4,859.7             | 1,608.1    | -761.0     | 1,779.1               | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0             | 22.25           | 334.67      | 4,952.2             | 1,642.3    | -777.2     | 1,816.9               | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0             | 22.25           | 334.67      | 5,044.8             | 1,676.5    | -793.4     | 1,854.8               | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0             | 22.25           | 334.67      | 5,137.3             | 1,710.8    | -809.6     | 1,892.6               | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0             | 22.25           | 334.67      | 5,229.9             | 1,745.0    | -825.8     | 1,930.5               | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0             | 22.25           | 334.67      | 5,322.4             | 1,779.2    | -842.0     | 1,968.4               | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0             | 22.25           | 334.67      | 5,415.0             | 1,813.4    | -858.2     | 2,006.2               | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0             | 22.25           | 334.67      | 5,507.6             | 1,847.6    | -874.4     | 2,044.1               | 0.00                    | 0.00                   | 0.00                  |
| 5,974.8             | 22.25           | 334.67      | 5,576.8             | 1,873.3    | -886.5     | 2,072.4               | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0             | 21.87           | 334.67      | 5,600.1             | 1,881.8    | -890.5     | 2,081.9               | 1.50                    | -1.50                  | 0.00                  |
| 6,100.0             | 20.37           | 334.67      | 5,693.4             | 1,914.4    | -905.9     | 2,117.9               | 1.50                    | -1.50                  | 0.00                  |
| 6,200.0             | 18.87           | 334.67      | 5,787.6             | 1,944.7    | -920.3     | 2,151.5               | 1.50                    | -1.50                  | 0.00                  |
| 6,215.2             | 18.64           | 334.67      | 5,802.0             | 1,949.1    | -922.4     | 2,156.4               | 1.50                    | -1.50                  | 0.00                  |
| <b>MVRD</b>         |                 |             |                     |            |            |                       |                         |                        |                       |
| 6,274.2             | 17.76           | 334.67      | 5,858.0             | 1,965.8    | -930.3     | 2,174.8               | 1.50                    | -1.50                  | 0.00                  |
| <b>WFRK/UMVRD</b>   |                 |             |                     |            |            |                       |                         |                        |                       |
| 6,300.0             | 17.37           | 334.67      | 5,882.7             | 1,972.8    | -933.6     | 2,182.6               | 1.50                    | -1.50                  | 0.00                  |
| 6,400.0             | 15.87           | 334.67      | 5,978.5             | 1,998.7    | -945.8     | 2,211.2               | 1.50                    | -1.50                  | 0.00                  |
| 6,500.0             | 14.37           | 334.67      | 6,075.0             | 2,022.3    | -957.0     | 2,237.3               | 1.50                    | -1.50                  | 0.00                  |
| 6,600.0             | 12.87           | 334.67      | 6,172.2             | 2,043.5    | -967.1     | 2,260.8               | 1.50                    | -1.50                  | 0.00                  |
| 6,700.0             | 11.37           | 334.67      | 6,270.0             | 2,062.5    | -976.1     | 2,281.8               | 1.50                    | -1.50                  | 0.00                  |
| 6,800.0             | 9.87            | 334.67      | 6,368.2             | 2,079.2    | -983.9     | 2,300.2               | 1.50                    | -1.50                  | 0.00                  |
| 6,900.0             | 8.37            | 334.67      | 6,467.0             | 2,093.5    | -990.7     | 2,316.1               | 1.50                    | -1.50                  | 0.00                  |
| 7,000.0             | 6.87            | 334.67      | 6,566.1             | 2,105.5    | -996.4     | 2,329.3               | 1.50                    | -1.50                  | 0.00                  |
| 7,100.0             | 5.37            | 334.67      | 6,665.5             | 2,115.1    | -1,000.9   | 2,340.0               | 1.50                    | -1.50                  | 0.00                  |
| 7,200.0             | 3.87            | 334.67      | 6,765.2             | 2,122.4    | -1,004.4   | 2,348.1               | 1.50                    | -1.50                  | 0.00                  |
| 7,300.0             | 2.37            | 334.67      | 6,865.0             | 2,127.3    | -1,006.7   | 2,353.5               | 1.50                    | -1.50                  | 0.00                  |
| 7,400.0             | 0.87            | 334.67      | 6,965.0             | 2,129.9    | -1,007.9   | 2,356.3               | 1.50                    | -1.50                  | 0.00                  |
| 7,408.0             | 0.75            | 334.67      | 6,973.0             | 2,130.0    | -1,008.0   | 2,356.4               | 1.50                    | -1.50                  | 0.00                  |
| <b>TOP GAS</b>      |                 |             |                     |            |            |                       |                         |                        |                       |
| 7,458.0             | 0.00            | 0.00        | 7,023.0             | 2,130.3    | -1,008.1   | 2,356.8               | 1.50                    | -1.50                  | 0.00                  |
| 7,500.0             | 0.00            | 0.00        | 7,065.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0             | 0.00            | 0.00        | 7,165.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0             | 0.00            | 0.00        | 7,265.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0             | 0.00            | 0.00        | 7,365.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0             | 0.00            | 0.00        | 7,465.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0             | 0.00            | 0.00        | 7,565.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0             | 0.00            | 0.00        | 7,665.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0             | 0.00            | 0.00        | 7,765.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0             | 0.00            | 0.00        | 7,865.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0             | 0.00            | 0.00        | 7,965.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0             | 0.00            | 0.00        | 8,065.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0             | 0.00            | 0.00        | 8,165.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0             | 0.00            | 0.00        | 8,265.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0             | 0.00            | 0.00        | 8,365.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 8,872.0             | 0.00            | 0.00        | 8,437.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| <b>CMEO</b>         |                 |             |                     |            |            |                       |                         |                        |                       |
| 8,900.0             | 0.00            | 0.00        | 8,465.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |

**N/A**  
Planning Report

|                  |                           |                                     |                                      |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM_PROD                  | <b>Local Co-ordinate Reference:</b> | Well PA 432-13 - Slot B10            |
| <b>Company:</b>  | TEP Rocky Mountain LLC    | <b>TVD Reference:</b>               | WELL @ 6594.0ft (Original Well Elev) |
| <b>Project:</b>  | Garfield County, CO NAD83 | <b>MD Reference:</b>                | WELL @ 6594.0ft (Original Well Elev) |
| <b>Site:</b>     | PA 44-13                  | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | PA 432-13                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                        |                                     |                                      |
| <b>Design:</b>   | Plan #1                   |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,000.0             | 0.00            | 0.00        | 8,565.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0             | 0.00            | 0.00        | 8,665.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0             | 0.00            | 0.00        | 8,765.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0             | 0.00            | 0.00        | 8,865.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0             | 0.00            | 0.00        | 8,965.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0             | 0.00            | 0.00        | 9,065.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0             | 0.00            | 0.00        | 9,165.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0             | 0.00            | 0.00        | 9,265.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,768.0             | 0.00            | 0.00        | 9,333.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| RLNS                |                 |             |                     |            |            |                       |                         |                        |                       |
| 9,800.0             | 0.00            | 0.00        | 9,365.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0             | 0.00            | 0.00        | 9,465.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| 9,918.0             | 0.00            | 0.00        | 9,483.0             | 2,130.3    | -1,008.1   | 2,356.8               | 0.00                    | 0.00                   | 0.00                  |
| PA 432-13 TD        |                 |             |                     |            |            |                       |                         |                        |                       |

| Design Targets            |               |              |          |            |            |               |              |                  |                   |
|---------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|-------------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude         | Longitude         |
| PA 432-13 TD              | 0.00          | 0.00         | 9,483.0  | 2,130.3    | -1,008.1   | 1,625,960.50  | 2,310,275.30 | 39° 31' 35.570 N | 107° 56' 43.684 W |
| - hit/miss target         |               |              |          |            |            |               |              |                  |                   |
| - Shape                   |               |              |          |            |            |               |              |                  |                   |
| - plan hits target center |               |              |          |            |            |               |              |                  |                   |
| - Point                   |               |              |          |            |            |               |              |                  |                   |

| Casing Points       |                     |        |  |                      |                    |
|---------------------|---------------------|--------|--|----------------------|--------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name   |  | Casing Diameter (in) | Hole Diameter (in) |
| 1,100.0             | 1,064.9             | 9 5/8" |  | 9.625                | 13.500             |

| Formations          |                     |             |           |         |                   |  |
|---------------------|---------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name        | Lithology | Dip (°) | Dip Direction (°) |  |
| 3,608.9             | 3,387.0             | G SAND      |           | 0.00    |                   |  |
| 3,709.4             | 3,480.0             | G SAND BASE |           | 0.00    |                   |  |
| 6,215.2             | 5,802.0             | MVRD        |           | 0.00    |                   |  |
| 6,274.2             | 5,858.0             | WFRK/UMVRD  |           | 0.00    |                   |  |
| 7,408.0             | 6,973.0             | TOP GAS     |           | 0.00    |                   |  |
| 8,872.0             | 8,437.0             | CME0        |           | 0.00    |                   |  |
| 9,768.0             | 9,333.0             | RLNS        |           | 0.00    |                   |  |