



7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Survey Certification

| | |
|----------------------------|------------------------|
| Operator | TEP Rocky Mountain LLC |
| Well Name & No. | PA 33-13 |
| API # | 05-045-24194 |
| County & State | Garfield County, CO |
| SDI Job # | OP.026006 |
| Rig | H&P 318 |
| Survey Date | 11-Aug-2020 |

I, Seth M. Burstad, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 0 feet to a measured depth of 9996 feet is true and correct as determined from all available records.

Seth M. Burstad

Signature

8-Aug-2020

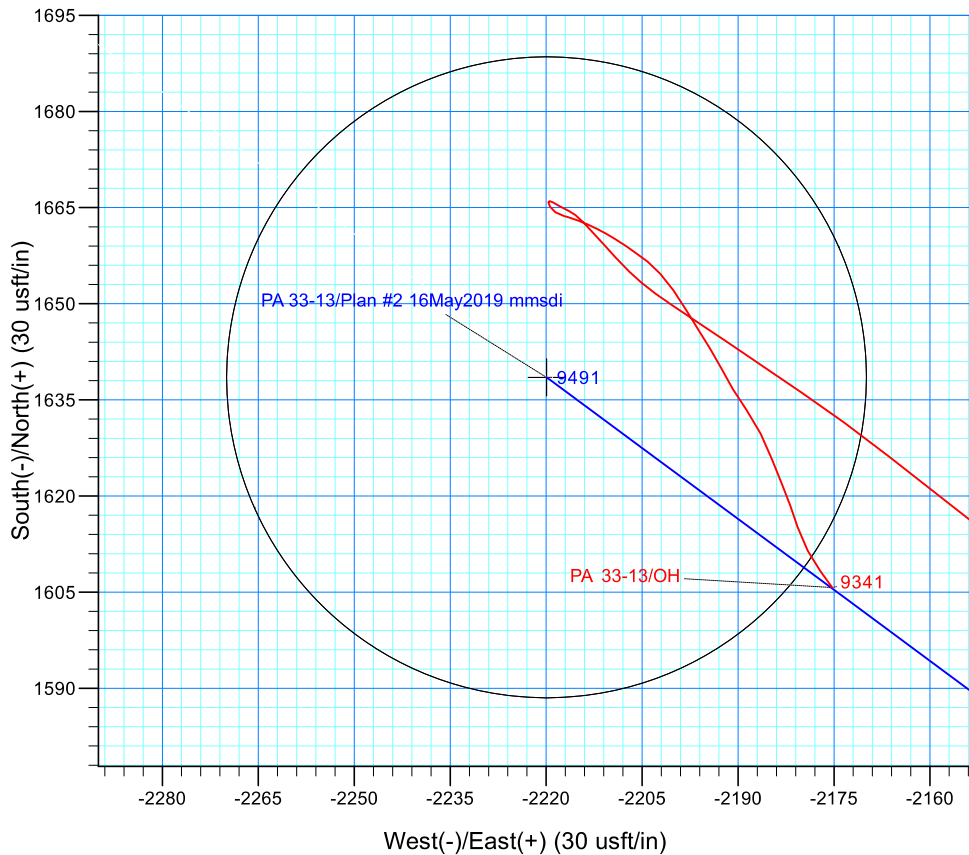
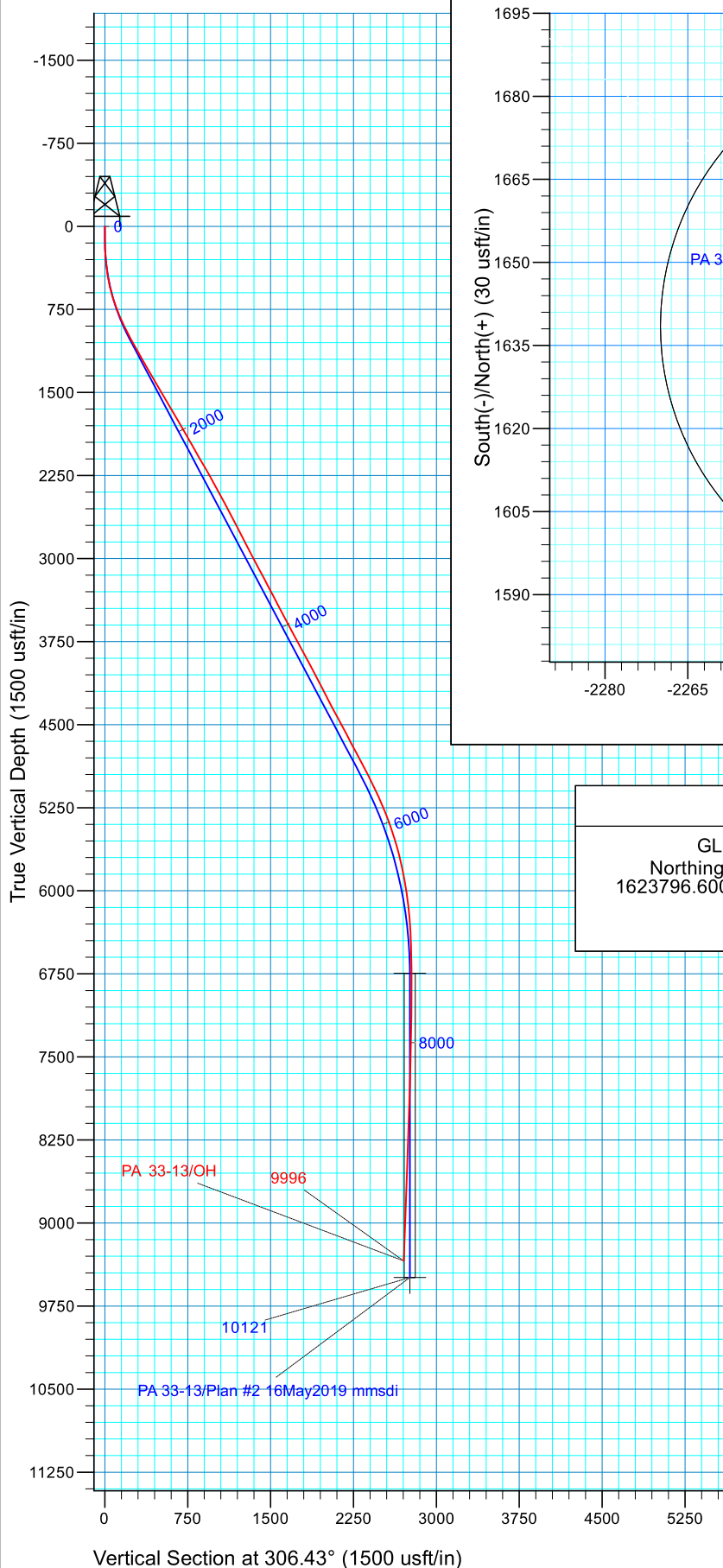
Date

Seth M. Burstad

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Project: Garfield County, CO NAD83
 Site: PA 44-13 Pad
 Well: PA 33-13
 Wellbore: OH
 Design: OH



WELL DETAILS: PA 33-13

GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318)
 Northing: 1623796.6000 Easting: 2311227.8000 Latitude: 39.5206880 Longitude: -107.9418700

PROJECT DETAILS: Garfield County, CO NAD83

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

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well PA 33-13 - Slot PA 33-13 (B9), True North
 Vertical (TVD) Reference: GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318)
 Section (VS) Reference: Slot - PA 33-13 (B9)(0.00N, 0.00E)
 Measured Depth Reference: GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318)
 Calculation Method: Minimum Curvature
 Local North: True
 Location:



TEP Rocky Mountain LLC

Garfield County, CO NAD83

PA 44-13 Pad

PA 33-13 - Slot PA 33-13 (B9)

OH

Design: OH

Standard Survey Report

11 August, 2020



| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 33-13 - Slot PA 33-13 (B9) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Site: | PA 44-13 Pad | MD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Well: | PA 33-13 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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 | | |

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|-----------------------|-----------|--------------|---------------------|-------------------|--------------|
| Site | | PA 44-13 Pad | | | |
| Site Position: | | Northing: | 1,623,813.7000 usft | Latitude: | 39.5207354 |
| From: | Map | Easting: | 2,311,233.5000 usft | Longitude: | -107.9418514 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: | -1.54 ° |

| Well | PA 33-13 - Slot PA 33-13 (B9) | | | | | |
|----------------------|-------------------------------|-----------|---------------------|---------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 1,623,796.6000 usft | Latitude: | 39.5206881 |
| | +E/-W | 0.00 usft | Easting: | 2,311,227.8000 usft | Longitude: | -107.9418700 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 6,571.10 usft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM_FILE | 8/5/2020 | 9.20 | 65.72 | 51,360.50000000 |

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|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 306.43 | |

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|-----------------------|------------------|-------------------------------|------------------|--------------------------------|--|
| Survey Program | Date | 8/11/2020 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 121.00 | 1,074.00 | Survey #1 - Surface Gyro (OH) | Gyro MWD 105 | Gyro MWD Error Model Ver 1.0.5 | |
| 1,166.00 | 9,996.00 | Survey #2 - Production (OH) | MWD+HDGM | OWSG MWD + HDGM | |

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|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| 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 | |
| 121.00 | 0.62 | 294.35 | 121.00 | 0.27 | -0.60 | 0.64 | 0.51 | 0.51 | 0.00 | |
| First SDI Gyro Survey | | | | | | | | | | |
| 212.00 | 2.55 | 307.09 | 211.96 | 1.69 | -2.66 | 3.15 | 2.14 | 2.12 | 14.00 | |
| 302.00 | 5.01 | 315.79 | 301.76 | 5.72 | -7.00 | 9.03 | 2.80 | 2.73 | 9.67 | |
| 394.00 | 7.30 | 299.97 | 393.23 | 11.52 | -14.86 | 18.80 | 3.08 | 2.49 | -17.20 | |
| 484.00 | 10.47 | 305.95 | 482.14 | 19.18 | -26.44 | 32.66 | 3.66 | 3.52 | 6.64 | |
| 576.00 | 13.72 | 310.61 | 572.09 | 31.19 | -41.49 | 51.91 | 3.69 | 3.53 | 5.07 | |
| 666.00 | 18.21 | 309.73 | 658.59 | 47.13 | -60.42 | 76.60 | 5.00 | 4.99 | -0.98 | |
| 761.00 | 21.38 | 307.88 | 747.97 | 67.26 | -85.51 | 108.74 | 3.40 | 3.34 | -1.95 | |

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|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 33-13 - Slot PA 33-13 (B9) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Site: | PA 44-13 Pad | MD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Well: | PA 33-13 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| 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) |
| 855.00 | 23.49 | 306.04 | 834.85 | 88.81 | -114.19 | 144.61 | 2.37 | 2.24 | -1.96 |
| 949.00 | 26.39 | 305.33 | 920.07 | 111.91 | -146.39 | 184.24 | 3.10 | 3.09 | -0.76 |
| 1,043.00 | 28.68 | 304.01 | 1,003.42 | 136.61 | -182.13 | 227.67 | 2.52 | 2.44 | -1.40 |
| 1,074.00 | 29.02 | 302.93 | 1,030.58 | 144.86 | -194.61 | 242.60 | 2.01 | 1.10 | -3.48 |
| Last SDI Gyro Survey | | | | | | | | | |
| 1,166.00 | 29.31 | 303.09 | 1,110.91 | 169.29 | -232.21 | 287.36 | 0.33 | 0.32 | 0.17 |
| First SDI MWD Production Survey | | | | | | | | | |
| 1,261.00 | 29.95 | 303.64 | 1,193.49 | 195.12 | -271.43 | 334.26 | 0.73 | 0.67 | 0.58 |
| 1,355.00 | 29.90 | 302.35 | 1,274.96 | 220.65 | -310.76 | 381.06 | 0.69 | -0.05 | -1.37 |
| 1,449.00 | 30.40 | 303.64 | 1,356.24 | 246.37 | -350.35 | 428.19 | 0.87 | 0.53 | 1.37 |
| 1,543.00 | 30.40 | 302.99 | 1,437.32 | 272.49 | -390.10 | 475.69 | 0.35 | 0.00 | -0.69 |
| 1,638.00 | 30.47 | 305.65 | 1,519.23 | 299.62 | -429.84 | 523.77 | 1.42 | 0.07 | 2.80 |
| 1,732.00 | 30.60 | 308.04 | 1,600.20 | 328.25 | -468.05 | 571.51 | 1.30 | 0.14 | 2.54 |
| 1,826.00 | 29.84 | 306.73 | 1,681.42 | 356.98 | -505.64 | 618.82 | 1.07 | -0.81 | -1.39 |
| 1,921.00 | 30.60 | 308.20 | 1,763.51 | 386.07 | -543.58 | 666.62 | 1.12 | 0.80 | 1.55 |
| 2,015.00 | 30.12 | 307.64 | 1,844.62 | 415.27 | -581.06 | 714.11 | 0.59 | -0.51 | -0.60 |
| 2,109.00 | 29.90 | 307.02 | 1,926.02 | 443.78 | -618.44 | 761.12 | 0.40 | -0.23 | -0.66 |
| 2,204.00 | 30.03 | 308.57 | 2,008.32 | 472.86 | -655.93 | 808.56 | 0.83 | 0.14 | 1.63 |
| 2,298.00 | 29.89 | 308.13 | 2,089.76 | 501.99 | -692.75 | 855.47 | 0.28 | -0.15 | -0.47 |
| 2,392.00 | 29.97 | 308.20 | 2,171.23 | 530.97 | -729.62 | 902.35 | 0.09 | 0.09 | 0.07 |
| 2,486.00 | 29.33 | 307.68 | 2,252.92 | 559.56 | -766.29 | 948.84 | 0.73 | -0.68 | -0.55 |
| 2,580.00 | 28.72 | 306.54 | 2,335.11 | 587.08 | -802.66 | 994.44 | 0.88 | -0.65 | -1.21 |
| 2,674.00 | 28.67 | 308.73 | 2,417.57 | 614.63 | -838.40 | 1,039.56 | 1.12 | -0.05 | 2.33 |
| 2,768.00 | 27.57 | 307.88 | 2,500.47 | 642.10 | -873.16 | 1,083.83 | 1.25 | -1.17 | -0.90 |
| 2,863.00 | 27.96 | 309.99 | 2,584.54 | 669.91 | -907.58 | 1,128.04 | 1.11 | 0.41 | 2.22 |
| 2,958.00 | 27.52 | 309.96 | 2,668.62 | 698.32 | -941.46 | 1,172.17 | 0.46 | -0.46 | -0.03 |
| 3,052.00 | 27.93 | 310.20 | 2,751.83 | 726.48 | -974.92 | 1,215.82 | 0.45 | 0.44 | 0.26 |
| 3,146.00 | 27.10 | 310.28 | 2,835.19 | 754.53 | -1,008.07 | 1,259.15 | 0.88 | -0.88 | 0.09 |
| 3,240.00 | 27.82 | 308.06 | 2,918.61 | 781.90 | -1,041.68 | 1,302.44 | 1.33 | 0.77 | -2.36 |
| 3,334.00 | 27.17 | 306.97 | 3,001.99 | 808.33 | -1,076.10 | 1,345.82 | 0.87 | -0.69 | -1.16 |
| 3,429.00 | 28.67 | 307.32 | 3,085.93 | 835.19 | -1,111.55 | 1,390.30 | 1.59 | 1.58 | 0.37 |
| 3,523.00 | 28.49 | 306.97 | 3,168.47 | 862.34 | -1,147.39 | 1,435.27 | 0.26 | -0.19 | -0.37 |
| 3,617.00 | 27.24 | 306.82 | 3,251.57 | 888.72 | -1,182.53 | 1,479.20 | 1.33 | -1.33 | -0.16 |
| 3,712.00 | 27.97 | 306.10 | 3,335.76 | 914.87 | -1,217.93 | 1,523.22 | 0.84 | 0.77 | -0.76 |
| 3,806.00 | 26.85 | 305.81 | 3,419.20 | 940.28 | -1,252.96 | 1,566.49 | 1.20 | -1.19 | -0.31 |
| 3,901.00 | 28.32 | 305.71 | 3,503.40 | 965.99 | -1,288.66 | 1,610.48 | 1.55 | 1.55 | -0.11 |
| 3,995.00 | 27.61 | 305.81 | 3,586.43 | 991.75 | -1,324.43 | 1,654.55 | 0.76 | -0.76 | 0.11 |
| 4,089.00 | 28.35 | 306.28 | 3,669.44 | 1,017.70 | -1,360.08 | 1,698.65 | 0.82 | 0.79 | 0.50 |
| 4,183.00 | 29.34 | 305.93 | 3,751.77 | 1,044.42 | -1,396.72 | 1,744.00 | 1.07 | 1.05 | -0.37 |
| 4,278.00 | 28.37 | 305.70 | 3,834.98 | 1,071.25 | -1,433.90 | 1,789.84 | 1.03 | -1.02 | -0.24 |
| 4,372.00 | 27.03 | 305.90 | 3,918.20 | 1,096.81 | -1,469.34 | 1,833.54 | 1.43 | -1.43 | 0.21 |
| 4,467.00 | 28.44 | 306.56 | 4,002.29 | 1,122.94 | -1,505.00 | 1,877.74 | 1.52 | 1.48 | 0.69 |
| 4,561.00 | 27.68 | 306.60 | 4,085.24 | 1,149.29 | -1,540.51 | 1,921.96 | 0.81 | -0.81 | 0.04 |

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|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 33-13 - Slot PA 33-13 (B9) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Site: | PA 44-13 Pad | MD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Well: | PA 33-13 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| 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) |
| 4,655.00 | 28.05 | 307.17 | 4,168.34 | 1,175.66 | -1,575.65 | 1,965.89 | 0.49 | 0.39 | 0.61 |
| 4,749.00 | 26.50 | 307.46 | 4,251.89 | 1,201.77 | -1,609.91 | 2,008.96 | 1.65 | -1.65 | 0.31 |
| 4,844.00 | 27.79 | 307.39 | 4,336.42 | 1,228.11 | -1,644.33 | 2,052.30 | 1.36 | 1.36 | -0.07 |
| 4,938.00 | 28.81 | 307.39 | 4,419.18 | 1,255.17 | -1,679.73 | 2,096.86 | 1.09 | 1.09 | 0.00 |
| 5,033.00 | 28.18 | 307.23 | 4,502.67 | 1,282.64 | -1,715.78 | 2,142.17 | 0.67 | -0.66 | -0.17 |
| 5,127.00 | 27.50 | 306.81 | 4,585.79 | 1,309.08 | -1,750.83 | 2,186.07 | 0.75 | -0.72 | -0.45 |
| 5,221.00 | 27.82 | 306.41 | 4,669.05 | 1,335.10 | -1,785.86 | 2,229.71 | 0.39 | 0.34 | -0.43 |
| 5,316.00 | 28.64 | 306.52 | 4,752.75 | 1,361.81 | -1,821.99 | 2,274.64 | 0.86 | 0.86 | 0.12 |
| 5,410.00 | 28.17 | 306.36 | 4,835.43 | 1,388.37 | -1,857.97 | 2,319.36 | 0.51 | -0.50 | -0.17 |
| 5,505.00 | 27.92 | 306.23 | 4,919.28 | 1,414.81 | -1,893.97 | 2,364.02 | 0.27 | -0.26 | -0.14 |
| 5,599.00 | 26.25 | 307.36 | 5,002.97 | 1,440.43 | -1,928.24 | 2,406.82 | 1.86 | -1.78 | 1.20 |
| 5,693.00 | 25.62 | 307.64 | 5,087.50 | 1,465.46 | -1,960.86 | 2,447.92 | 0.68 | -0.67 | 0.30 |
| 5,788.00 | 23.52 | 308.61 | 5,173.89 | 1,489.83 | -1,991.94 | 2,487.40 | 2.25 | -2.21 | 1.02 |
| 5,882.00 | 23.04 | 309.02 | 5,260.24 | 1,513.12 | -2,020.89 | 2,524.52 | 0.54 | -0.51 | 0.44 |
| 5,977.00 | 20.58 | 308.75 | 5,348.43 | 1,535.28 | -2,048.36 | 2,559.78 | 2.59 | -2.59 | -0.28 |
| 6,072.00 | 18.56 | 307.64 | 5,437.94 | 1,554.96 | -2,073.35 | 2,591.59 | 2.16 | -2.13 | -1.17 |
| 6,166.00 | 17.06 | 307.27 | 5,527.43 | 1,572.45 | -2,096.17 | 2,620.33 | 1.60 | -1.60 | -0.39 |
| 6,261.00 | 15.77 | 306.97 | 5,618.56 | 1,588.65 | -2,117.58 | 2,647.17 | 1.36 | -1.36 | -0.32 |
| 6,355.00 | 13.27 | 307.31 | 5,709.55 | 1,602.87 | -2,136.37 | 2,670.74 | 2.66 | -2.66 | 0.36 |
| 6,449.00 | 11.10 | 308.03 | 5,801.43 | 1,614.99 | -2,152.08 | 2,690.57 | 2.31 | -2.31 | 0.77 |
| 6,544.00 | 11.02 | 307.92 | 5,894.66 | 1,626.20 | -2,166.44 | 2,708.79 | 0.09 | -0.08 | -0.12 |
| 6,638.00 | 9.53 | 304.26 | 5,987.15 | 1,636.11 | -2,179.96 | 2,725.55 | 1.73 | -1.59 | -3.89 |
| 6,733.00 | 7.04 | 303.76 | 6,081.16 | 1,643.77 | -2,191.30 | 2,739.22 | 2.62 | -2.62 | -0.53 |
| 6,827.00 | 6.16 | 303.75 | 6,174.53 | 1,649.77 | -2,200.29 | 2,750.02 | 0.94 | -0.94 | -0.01 |
| 6,922.00 | 4.13 | 314.39 | 6,269.15 | 1,655.00 | -2,206.97 | 2,758.50 | 2.35 | -2.14 | 11.20 |
| 7,016.00 | 3.16 | 319.61 | 6,362.96 | 1,659.34 | -2,211.07 | 2,764.37 | 1.09 | -1.03 | 5.55 |
| 7,111.00 | 2.38 | 314.51 | 6,457.84 | 1,662.72 | -2,214.17 | 2,768.88 | 0.86 | -0.82 | -5.37 |
| 7,205.00 | 1.24 | 294.13 | 6,551.80 | 1,664.50 | -2,216.49 | 2,771.80 | 1.37 | -1.21 | -21.68 |
| 7,300.00 | 0.90 | 301.22 | 6,646.78 | 1,665.31 | -2,218.07 | 2,773.55 | 0.38 | -0.36 | 7.46 |
| 7,394.00 | 0.39 | 297.88 | 6,740.77 | 1,665.84 | -2,218.98 | 2,774.60 | 0.54 | -0.54 | -3.55 |
| 7,488.00 | 0.26 | 281.30 | 6,834.77 | 1,666.03 | -2,219.47 | 2,775.11 | 0.17 | -0.14 | -17.64 |
| 7,582.00 | 0.26 | 175.31 | 6,928.77 | 1,665.86 | -2,219.67 | 2,775.16 | 0.44 | 0.00 | -112.76 |
| 7,677.00 | 0.64 | 151.80 | 7,023.77 | 1,665.18 | -2,219.40 | 2,774.54 | 0.44 | 0.40 | -24.75 |
| 7,770.00 | 0.88 | 125.83 | 7,116.76 | 1,664.30 | -2,218.57 | 2,773.36 | 0.45 | 0.26 | -27.92 |
| 7,865.00 | 0.91 | 103.66 | 7,211.75 | 1,663.70 | -2,217.25 | 2,771.93 | 0.36 | 0.03 | -23.34 |
| 7,959.00 | 1.17 | 109.55 | 7,305.73 | 1,663.20 | -2,215.62 | 2,770.33 | 0.30 | 0.28 | 6.27 |
| 8,053.00 | 1.03 | 112.53 | 7,399.72 | 1,662.56 | -2,213.93 | 2,768.59 | 0.16 | -0.15 | 3.17 |
| 8,148.00 | 1.24 | 116.94 | 7,494.70 | 1,661.76 | -2,212.23 | 2,766.75 | 0.24 | 0.22 | 4.64 |
| 8,242.00 | 1.55 | 118.07 | 7,588.67 | 1,660.70 | -2,210.20 | 2,764.48 | 0.33 | 0.33 | 1.20 |
| 8,337.00 | 1.41 | 125.69 | 7,683.64 | 1,659.42 | -2,208.12 | 2,762.04 | 0.25 | -0.15 | 8.02 |
| 8,431.00 | 1.49 | 123.49 | 7,777.61 | 1,658.07 | -2,206.16 | 2,759.67 | 0.10 | 0.09 | -2.34 |
| 8,525.00 | 1.55 | 129.72 | 7,871.57 | 1,656.58 | -2,204.16 | 2,757.18 | 0.19 | 0.06 | 6.63 |
| 8,620.00 | 1.77 | 136.99 | 7,966.53 | 1,654.69 | -2,202.17 | 2,754.45 | 0.32 | 0.23 | 7.65 |
| 8,714.00 | 2.29 | 144.99 | 8,060.48 | 1,652.09 | -2,200.11 | 2,751.25 | 0.63 | 0.55 | 8.51 |

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 33-13 - Slot PA 33-13 (B9) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Site: | PA 44-13 Pad | MD Reference: | GL 6571.1' & RKB 24' @ 6595.10usft (H&P 318) |
| Well: | PA 33-13 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| 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) | |
| 8,808.00 | 2.33 | 148.41 | 8,154.40 | 1,648.92 | -2,198.03 | 2,747.69 | 0.15 | 0.04 | 3.64 | |
| 8,903.00 | 2.03 | 149.05 | 8,249.33 | 1,645.83 | -2,196.15 | 2,744.35 | 0.32 | -0.32 | 0.67 | |
| 8,997.00 | 2.20 | 147.10 | 8,343.27 | 1,642.89 | -2,194.31 | 2,741.12 | 0.20 | 0.18 | -2.07 | |
| 9,092.00 | 2.15 | 153.20 | 8,438.20 | 1,639.77 | -2,192.52 | 2,737.83 | 0.25 | -0.05 | 6.42 | |
| 9,186.00 | 2.13 | 148.74 | 8,532.13 | 1,636.70 | -2,190.82 | 2,734.64 | 0.18 | -0.02 | -4.74 | |
| 9,281.00 | 2.59 | 145.04 | 8,627.05 | 1,633.43 | -2,188.67 | 2,730.97 | 0.51 | 0.48 | -3.89 | |
| 9,376.00 | 2.63 | 153.49 | 8,721.95 | 1,629.72 | -2,186.47 | 2,726.99 | 0.41 | 0.04 | 8.89 | |
| 9,470.00 | 2.73 | 158.79 | 8,815.85 | 1,625.71 | -2,184.70 | 2,723.18 | 0.28 | 0.11 | 5.64 | |
| 9,565.00 | 2.28 | 156.01 | 8,910.76 | 1,621.87 | -2,183.11 | 2,719.63 | 0.49 | -0.47 | -2.93 | |
| 9,659.00 | 2.11 | 162.31 | 9,004.69 | 1,618.52 | -2,181.82 | 2,716.60 | 0.31 | -0.18 | 6.70 | |
| 9,753.00 | 2.22 | 160.96 | 9,098.62 | 1,615.15 | -2,180.70 | 2,713.70 | 0.13 | 0.12 | -1.44 | |
| 9,848.00 | 2.69 | 152.22 | 9,193.54 | 1,611.43 | -2,179.07 | 2,710.17 | 0.63 | 0.49 | -9.20 | |
| 9,926.00 | 2.64 | 144.29 | 9,271.45 | 1,608.36 | -2,177.16 | 2,706.82 | 0.48 | -0.06 | -10.17 | |
| Last SDI MWD Production Survey | | | | | | | | | | |
| 9,996.00 | 2.64 | 144.29 | 9,341.38 | 1,605.74 | -2,175.28 | 2,703.75 | 0.00 | 0.00 | 0.00 | |
| Projection to TD | | | | | | | | | | |

| Design Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 121.00 | 121.00 | 0.27 | -0.60 | First SDI Gyro Survey | |
| 1,074.00 | 1,030.58 | 144.86 | -194.61 | Last SDI Gyro Survey | |
| 1,166.00 | 1,110.91 | 169.29 | -232.21 | First SDI MWD Production Survey | |
| 9,926.00 | 9,271.45 | 1,608.36 | -2,177.16 | Last SDI MWD Production Survey | |
| 9,996.00 | 9,341.38 | 1,605.74 | -2,175.28 | Projection to TD | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|