



Directional Survey Certification

2948 I-70 Business Loop
Grand Junction, CO 81504
(970)-245-9447 Fax (970)-245-9454

| | |
|-----------------|--------------------------|
| Operator | TEP Rocky Mountain, LLC. |
| Well Name & No. | PA 432-26 |
| County & State | Garfield County, CO |
| SDI Job No. | OP.009867 |
| Rig | H&P 271 |

I, Mel Mireles Jr., having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 123 feet to a measured depth of 8,660 feet is true and correct as determined from all available records.

A handwritten signature in black ink, appearing to read 'Mel Mireles Jr.', written over a horizontal line.

Signature

07-May-18

Date

Mel Mireles Jr.

Grand Junction Assistant Well Planner
Scientific Drilling - Colorado District

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 432-26 - Slot PA 432-26 (A3) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Site: | PA 23-26 Pad | MD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Well: | PA 432-26 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction District |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| 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 23-26 Pad | | | |
| Site Position: | | Northing: | 1,614,399.90 usft | Latitude: | 39.4943598 |
| From: | Map | Easting: | 2,303,951.10 usft | Longitude: | -107.9667508 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: | -1.56 ° |

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|----------------------|-------------------------------------|-----------|---------------------|-------------------|---------------|---------------|
| Well | PA 432-26 - Slot PA 432-26 (A3), A3 | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,614,400.10 usft | Latitude: | 39.4943615 |
| | +E/-W | 0.00 usft | Easting: | 2,303,966.10 usft | Longitude: | -107.9666977 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 5,637.00 usft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 4/30/2018 | 9.38 | 65.77 | 51,633 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| 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 | 50.95 | |

| | | | | | |
|-----------------------|------------------|--|------------------|------------------------------------|--|
| Survey Program | Date | 5/7/2018 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 123.00 | 931.00 | Survey #1 - Gyro MWD Survey (OH) | SDI Gyro MWD 104 | SDI Gyro MWD Error Model Ver 1.0.4 | |
| 837.00 | 1,068.00 | Survey #2 - Surface MWD Survey (OH) | SDI MWD | SDI MWD - Standard ver 1.0.1 | |
| 1,173.00 | 8,660.00 | Survey #3 - Production MWD Survey (OH) | SDI MWD | SDI MWD - Standard ver 1.0.1 | |

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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 | |
| 123.00 | 0.26 | 149.94 | 123.00 | -0.24 | 0.14 | -0.04 | 0.21 | 0.21 | 0.00 | |
| First SDI Gyro MWD Survey | | | | | | | | | | |
| 215.00 | 0.44 | 196.26 | 215.00 | -0.76 | 0.15 | -0.37 | 0.35 | 0.20 | 50.35 | |
| 308.00 | 0.70 | 112.06 | 307.99 | -1.32 | 0.57 | -0.39 | 0.85 | 0.28 | -90.54 | |
| 399.00 | 2.64 | 67.68 | 398.95 | -0.73 | 3.03 | 1.89 | 2.41 | 2.13 | -48.77 | |
| 490.00 | 3.87 | 47.29 | 489.81 | 2.15 | 7.22 | 6.96 | 1.84 | 1.35 | -22.41 | |
| 582.00 | 6.33 | 45.18 | 581.44 | 7.83 | 13.10 | 15.11 | 2.68 | 2.67 | -2.29 | |
| 673.00 | 9.77 | 48.25 | 671.53 | 16.51 | 22.42 | 27.82 | 3.81 | 3.78 | 3.37 | |

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|------------------|---------------------------|-------------------------------------|--|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well PA 432-26 - Slot PA 432-26 (A3) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Site: | PA 23-26 Pad | MD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Well: | PA 432-26 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction District |

| 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) |
| 766.00 | 12.58 | 49.13 | 762.76 | 28.39 | 35.97 | 45.82 | 3.03 | 3.02 | 0.95 |
| Last SDI Gyro MWD Survey | | | | | | | | | |
| 837.00 | 14.79 | 50.81 | 831.74 | 39.18 | 48.84 | 62.62 | 3.16 | 3.11 | 2.37 |
| First SDI Surface MWD Survey | | | | | | | | | |
| 931.00 | 18.22 | 50.29 | 921.85 | 56.16 | 69.45 | 89.32 | 3.65 | 3.65 | -0.55 |
| 1,025.00 | 20.31 | 50.87 | 1,010.58 | 75.84 | 93.42 | 120.33 | 2.23 | 2.22 | 0.62 |
| 1,068.00 | 20.22 | 51.31 | 1,050.92 | 85.20 | 105.01 | 135.22 | 0.41 | -0.21 | 1.02 |
| Last SDI Surface MWD Survey | | | | | | | | | |
| 1,173.00 | 20.72 | 51.38 | 1,149.29 | 108.13 | 133.68 | 171.94 | 0.48 | 0.48 | 0.07 |
| First SDI Production MWD Survey | | | | | | | | | |
| 1,267.00 | 21.21 | 50.12 | 1,237.07 | 129.42 | 159.72 | 205.57 | 0.71 | 0.52 | -1.34 |
| 1,362.00 | 21.42 | 50.20 | 1,325.57 | 151.54 | 186.24 | 240.10 | 0.22 | 0.22 | 0.08 |
| 1,456.00 | 20.64 | 49.75 | 1,413.31 | 173.23 | 212.07 | 273.83 | 0.85 | -0.83 | -0.48 |
| 1,551.00 | 21.55 | 52.61 | 1,501.94 | 194.64 | 238.71 | 308.01 | 1.45 | 0.96 | 3.01 |
| 1,644.00 | 20.87 | 51.79 | 1,588.64 | 215.26 | 265.30 | 341.65 | 0.80 | -0.73 | -0.88 |
| 1,739.00 | 21.39 | 52.89 | 1,677.25 | 236.18 | 292.41 | 375.88 | 0.69 | 0.55 | 1.16 |
| 1,833.00 | 20.85 | 53.02 | 1,764.94 | 256.59 | 319.44 | 409.73 | 0.58 | -0.57 | 0.14 |
| 1,927.00 | 20.69 | 52.94 | 1,852.83 | 276.66 | 346.06 | 443.04 | 0.17 | -0.17 | -0.09 |
| 2,021.00 | 20.37 | 52.69 | 1,940.86 | 296.58 | 372.32 | 475.99 | 0.35 | -0.34 | -0.27 |
| 2,115.00 | 20.49 | 52.19 | 2,028.95 | 316.58 | 398.33 | 508.79 | 0.23 | 0.13 | -0.53 |
| 2,210.00 | 20.24 | 52.41 | 2,118.01 | 336.80 | 424.49 | 541.84 | 0.28 | -0.26 | 0.23 |
| 2,304.00 | 20.19 | 51.95 | 2,206.22 | 356.72 | 450.15 | 574.32 | 0.18 | -0.05 | -0.49 |
| 2,397.00 | 20.17 | 51.14 | 2,293.51 | 376.67 | 475.27 | 606.39 | 0.30 | -0.02 | -0.87 |
| 2,492.00 | 19.84 | 52.59 | 2,382.78 | 396.74 | 500.83 | 638.89 | 0.63 | -0.35 | 1.53 |
| 2,586.00 | 19.16 | 52.36 | 2,471.39 | 415.85 | 525.72 | 670.25 | 0.73 | -0.72 | -0.24 |
| 2,681.00 | 20.95 | 52.37 | 2,560.62 | 435.74 | 551.51 | 702.82 | 1.88 | 1.88 | 0.01 |
| 2,775.00 | 20.78 | 51.29 | 2,648.46 | 456.43 | 577.84 | 736.29 | 0.45 | -0.18 | -1.15 |
| 2,869.00 | 20.13 | 50.34 | 2,736.53 | 477.18 | 603.30 | 769.14 | 0.78 | -0.69 | -1.01 |
| 2,963.00 | 21.71 | 53.19 | 2,824.33 | 497.93 | 629.67 | 802.69 | 2.00 | 1.68 | 3.03 |
| 3,057.00 | 21.40 | 53.92 | 2,911.76 | 518.44 | 657.45 | 837.19 | 0.44 | -0.33 | 0.78 |
| 3,151.00 | 20.51 | 53.40 | 2,999.54 | 538.36 | 684.53 | 870.77 | 0.97 | -0.95 | -0.55 |
| 3,245.00 | 21.43 | 54.45 | 3,087.32 | 558.16 | 711.73 | 904.36 | 1.06 | 0.98 | 1.12 |
| 3,339.00 | 20.81 | 55.14 | 3,175.00 | 577.69 | 739.40 | 938.16 | 0.71 | -0.66 | 0.73 |
| 3,434.00 | 19.90 | 55.04 | 3,264.07 | 596.60 | 766.50 | 971.12 | 0.96 | -0.96 | -0.11 |
| 3,528.00 | 21.47 | 51.41 | 3,352.01 | 616.50 | 793.06 | 1,004.28 | 2.16 | 1.67 | -3.86 |
| 3,623.00 | 20.58 | 51.42 | 3,440.68 | 637.76 | 819.70 | 1,038.36 | 0.94 | -0.94 | 0.01 |
| 3,717.00 | 19.49 | 52.00 | 3,528.99 | 657.71 | 844.97 | 1,070.56 | 1.18 | -1.16 | 0.62 |
| 3,811.00 | 20.90 | 49.80 | 3,617.21 | 678.19 | 870.14 | 1,103.00 | 1.70 | 1.50 | -2.34 |
| 3,906.00 | 22.05 | 51.05 | 3,705.62 | 700.34 | 896.95 | 1,137.78 | 1.30 | 1.21 | 1.32 |
| 4,000.00 | 21.04 | 52.09 | 3,793.05 | 721.80 | 923.99 | 1,172.30 | 1.15 | -1.07 | 1.11 |
| 4,094.00 | 20.32 | 52.87 | 3,880.99 | 742.02 | 950.31 | 1,205.48 | 0.82 | -0.77 | 0.83 |
| 4,189.00 | 19.35 | 53.27 | 3,970.36 | 761.39 | 976.08 | 1,237.69 | 1.03 | -1.02 | 0.42 |
| 4,283.00 | 20.94 | 52.48 | 4,058.60 | 780.94 | 1,001.88 | 1,270.04 | 1.72 | 1.69 | -0.84 |
| 4,378.00 | 22.42 | 51.66 | 4,146.88 | 802.51 | 1,029.56 | 1,305.13 | 1.59 | 1.56 | -0.86 |

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|------------------|---------------------------|-------------------------------------|--|
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| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Site: | PA 23-26 Pad | MD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Well: | PA 432-26 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction District |

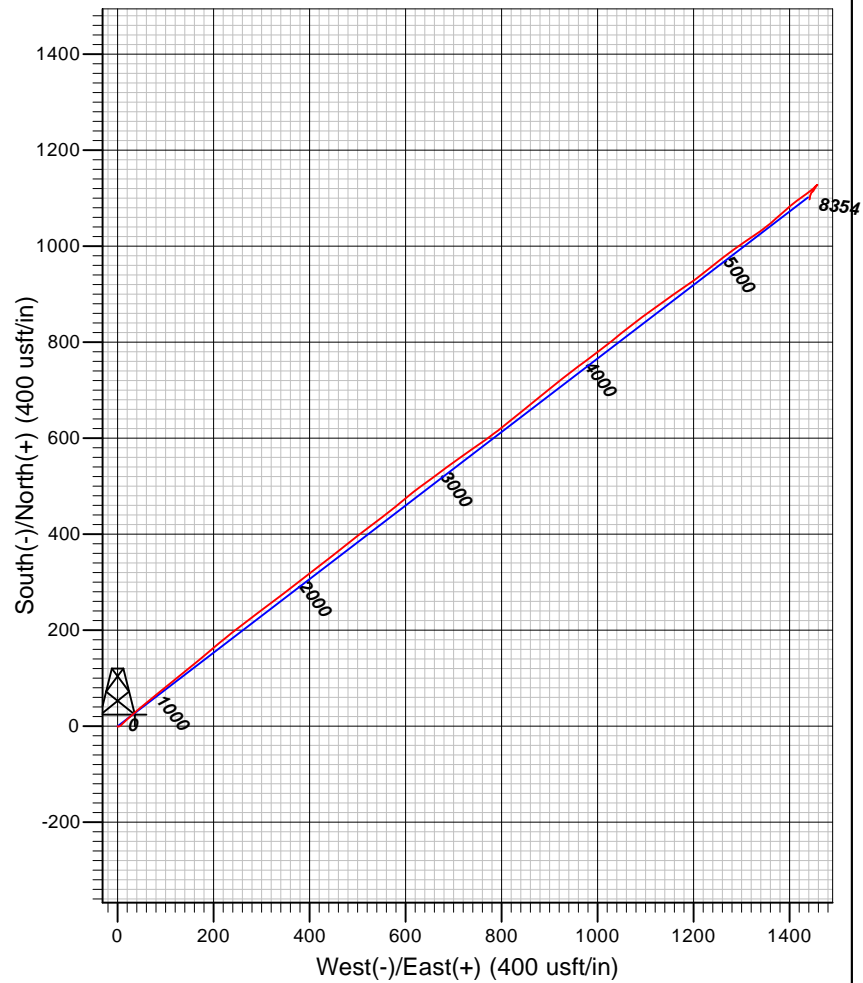
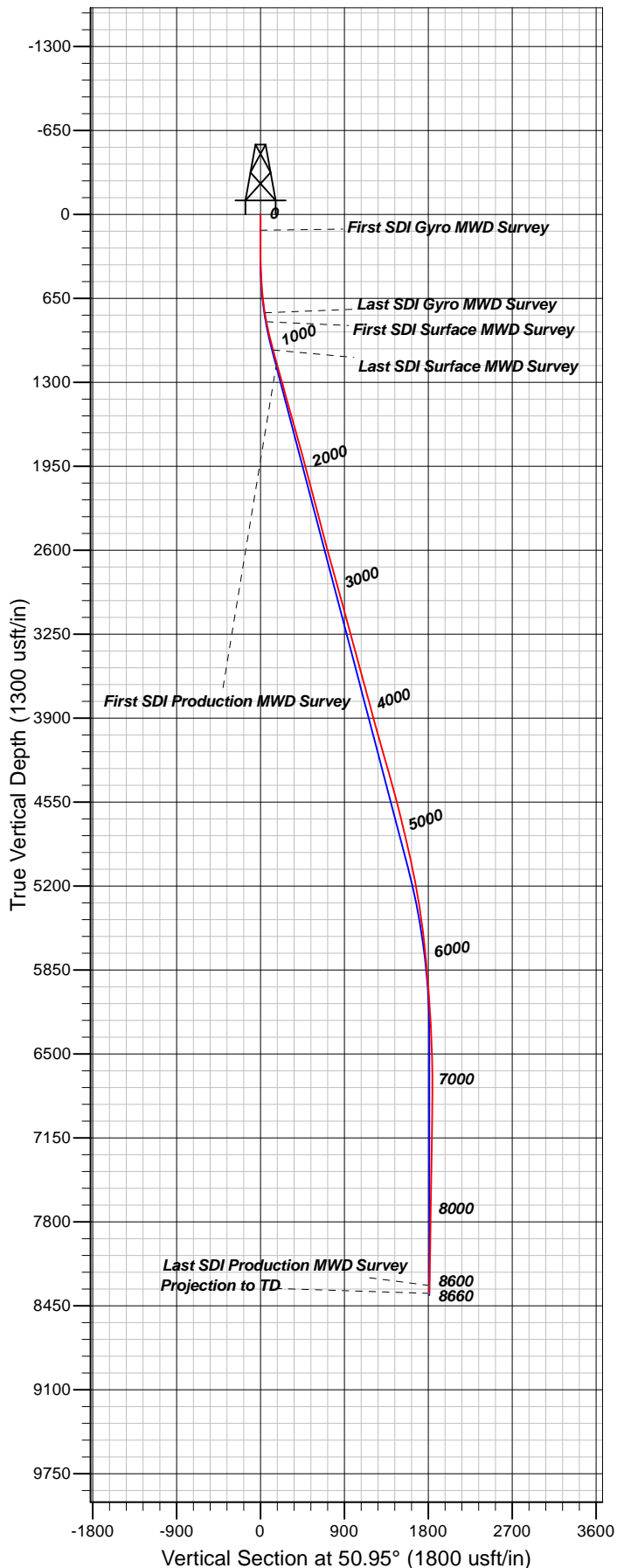
| Survey | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 4,473.00 | 22.03 | 51.36 | 4,234.82 | 824.88 | 1,057.68 | 1,341.06 | 0.43 | -0.41 | -0.32 | |
| 4,567.00 | 21.66 | 52.73 | 4,322.07 | 846.39 | 1,085.26 | 1,376.03 | 0.67 | -0.39 | 1.46 | |
| 4,672.00 | 20.66 | 54.38 | 4,419.99 | 868.91 | 1,115.74 | 1,413.89 | 1.11 | -0.95 | 1.57 | |
| 4,756.00 | 20.31 | 54.27 | 4,498.68 | 886.06 | 1,139.62 | 1,443.24 | 0.42 | -0.42 | -0.13 | |
| 4,850.00 | 19.47 | 55.62 | 4,587.07 | 904.43 | 1,165.79 | 1,475.14 | 1.02 | -0.89 | 1.44 | |
| 4,945.00 | 17.86 | 55.81 | 4,677.07 | 921.56 | 1,190.91 | 1,505.43 | 1.70 | -1.69 | 0.20 | |
| 5,039.00 | 18.95 | 50.86 | 4,766.27 | 939.29 | 1,214.67 | 1,535.06 | 2.03 | 1.16 | -5.27 | |
| 5,134.00 | 18.12 | 52.15 | 4,856.34 | 958.10 | 1,238.30 | 1,565.26 | 0.97 | -0.87 | 1.36 | |
| 5,228.00 | 17.02 | 52.16 | 4,945.95 | 975.51 | 1,260.71 | 1,593.63 | 1.17 | -1.17 | 0.01 | |
| 5,321.00 | 16.53 | 53.95 | 5,035.00 | 991.64 | 1,282.16 | 1,620.45 | 0.77 | -0.53 | 1.92 | |
| 5,416.00 | 15.66 | 55.37 | 5,126.27 | 1,006.88 | 1,303.63 | 1,646.73 | 1.01 | -0.92 | 1.49 | |
| 5,510.00 | 14.02 | 55.90 | 5,217.13 | 1,020.47 | 1,323.50 | 1,670.72 | 1.75 | -1.74 | 0.56 | |
| 5,605.00 | 13.22 | 55.63 | 5,309.46 | 1,033.06 | 1,342.00 | 1,693.01 | 0.84 | -0.84 | -0.28 | |
| 5,699.00 | 11.61 | 47.79 | 5,401.27 | 1,045.48 | 1,357.88 | 1,713.17 | 2.48 | -1.71 | -8.34 | |
| 5,794.00 | 10.60 | 49.17 | 5,494.49 | 1,057.62 | 1,371.57 | 1,731.45 | 1.10 | -1.06 | 1.45 | |
| 5,888.00 | 9.28 | 49.18 | 5,587.08 | 1,068.23 | 1,383.85 | 1,747.67 | 1.40 | -1.40 | 0.01 | |
| 5,983.00 | 7.51 | 50.02 | 5,681.05 | 1,077.22 | 1,394.40 | 1,761.53 | 1.87 | -1.86 | 0.88 | |
| 6,077.00 | 7.21 | 48.67 | 5,774.28 | 1,085.07 | 1,403.54 | 1,773.57 | 0.37 | -0.32 | -1.44 | |
| 6,171.00 | 6.93 | 50.86 | 5,867.56 | 1,092.54 | 1,412.37 | 1,785.13 | 0.41 | -0.30 | 2.33 | |
| 6,266.00 | 6.51 | 54.28 | 5,961.91 | 1,099.30 | 1,421.18 | 1,796.24 | 0.61 | -0.44 | 3.60 | |
| 6,360.00 | 6.05 | 56.29 | 6,055.35 | 1,105.16 | 1,429.63 | 1,806.49 | 0.54 | -0.49 | 2.14 | |
| 6,454.00 | 5.26 | 53.83 | 6,148.89 | 1,110.46 | 1,437.23 | 1,815.73 | 0.88 | -0.84 | -2.62 | |
| 6,549.00 | 4.40 | 54.60 | 6,243.55 | 1,115.14 | 1,443.72 | 1,823.71 | 0.91 | -0.91 | 0.81 | |
| 6,643.00 | 3.45 | 46.42 | 6,337.33 | 1,119.17 | 1,448.70 | 1,830.13 | 1.17 | -1.01 | -8.70 | |
| 6,738.00 | 2.55 | 44.54 | 6,432.20 | 1,122.65 | 1,452.26 | 1,835.08 | 0.95 | -0.95 | -1.98 | |
| 6,832.00 | 2.03 | 46.83 | 6,526.12 | 1,125.28 | 1,454.94 | 1,838.82 | 0.56 | -0.55 | 2.44 | |
| 6,926.00 | 1.49 | 57.28 | 6,620.08 | 1,127.08 | 1,457.18 | 1,841.70 | 0.67 | -0.57 | 11.12 | |
| 7,020.00 | 0.17 | 265.91 | 6,714.07 | 1,127.73 | 1,458.07 | 1,842.80 | 1.75 | -1.40 | -161.03 | |
| 7,114.00 | 0.27 | 249.75 | 6,808.07 | 1,127.64 | 1,457.72 | 1,842.47 | 0.12 | 0.11 | -17.19 | |
| 7,208.00 | 0.44 | 242.03 | 6,902.07 | 1,127.40 | 1,457.20 | 1,841.91 | 0.19 | 0.18 | -8.21 | |
| 7,302.00 | 1.02 | 212.66 | 6,996.06 | 1,126.53 | 1,456.43 | 1,840.76 | 0.72 | 0.62 | -31.24 | |
| 7,397.00 | 1.27 | 209.04 | 7,091.04 | 1,124.89 | 1,455.46 | 1,838.98 | 0.27 | 0.26 | -3.81 | |
| 7,491.00 | 1.31 | 207.95 | 7,185.02 | 1,123.03 | 1,454.45 | 1,837.03 | 0.05 | 0.04 | -1.16 | |
| 7,586.00 | 1.35 | 210.34 | 7,279.99 | 1,121.11 | 1,453.38 | 1,834.98 | 0.07 | 0.04 | 2.52 | |
| 7,680.00 | 1.46 | 213.64 | 7,373.96 | 1,119.16 | 1,452.15 | 1,832.80 | 0.15 | 0.12 | 3.51 | |
| 7,775.00 | 1.49 | 215.69 | 7,468.93 | 1,117.14 | 1,450.76 | 1,830.45 | 0.06 | 0.03 | 2.16 | |
| 7,869.00 | 1.25 | 207.58 | 7,562.90 | 1,115.24 | 1,449.57 | 1,828.33 | 0.33 | -0.26 | -8.63 | |
| 7,963.00 | 1.36 | 233.74 | 7,656.88 | 1,113.67 | 1,448.20 | 1,826.28 | 0.64 | 0.12 | 27.83 | |
| 8,058.00 | 0.92 | 221.27 | 7,751.86 | 1,112.43 | 1,446.79 | 1,824.40 | 0.53 | -0.46 | -13.13 | |
| 8,152.00 | 0.93 | 233.37 | 7,845.85 | 1,111.41 | 1,445.68 | 1,822.89 | 0.21 | 0.01 | 12.87 | |
| 8,245.00 | 1.19 | 195.37 | 7,938.84 | 1,110.03 | 1,444.82 | 1,821.35 | 0.79 | 0.28 | -40.86 | |
| 8,340.00 | 1.81 | 200.98 | 8,033.80 | 1,107.68 | 1,444.02 | 1,819.25 | 0.67 | 0.65 | 5.91 | |
| 8,435.00 | 2.02 | 196.34 | 8,128.75 | 1,104.67 | 1,443.01 | 1,816.57 | 0.27 | 0.22 | -4.88 | |

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| Site: | PA 23-26 Pad | MD Reference: | GL 5637' & RKB 24' @ 5661.00usft (H&P 271) |
| Well: | PA 432-26 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction District |

| 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) |
| 8,529.00 | 1.97 | 189.56 | 8,222.69 | 1,101.49 | 1,442.27 | 1,814.00 | 0.26 | -0.05 | -7.21 |
| 8,600.00 | 1.93 | 187.01 | 8,293.65 | 1,099.10 | 1,441.93 | 1,812.22 | 0.13 | -0.06 | -3.59 |
| Last SDI Production MWD Survey | | | | | | | | | |
| 8,660.00 | 1.93 | 187.01 | 8,353.62 | 1,097.09 | 1,441.68 | 1,810.76 | 0.00 | 0.00 | 0.00 |
| Projection to TD - PBHL(PA 432-26) | | | | | | | | | |

| Design Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 123.00 | 123.00 | -0.24 | 0.14 | First SDI Gyro MWD Survey |
| 766.00 | 762.76 | 28.39 | 35.97 | Last SDI Gyro MWD Survey |
| 837.00 | 831.74 | 39.18 | 48.84 | First SDI Surface MWD Survey |
| 1,068.00 | 1,050.92 | 85.20 | 105.01 | Last SDI Surface MWD Survey |
| 1,173.00 | 1,149.29 | 108.13 | 133.68 | First SDI Production MWD Survey |
| 8,600.00 | 8,293.65 | 1,099.10 | 1,441.93 | Last SDI Production MWD Survey |
| 8,660.00 | 8,353.62 | 1,097.09 | 1,441.68 | Projection to TD |

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



Well Details: PA 432-26

TVD Reference: GL 5637' & RKB 24' @ 5661.00usft (H&B 271) and Level: 5637.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1614400.10 2303966.10 39.4943614 -107.9666976 PA 432-26 (A3)

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well PA 432-26 - Slot PA 432-26 (A3), True North
Vertical (TVD) Reference: GL 5637' & RKB 24' @ 5661.00usft (H&P 271)
Section (VS) Reference: Slot - PA 432-26 (A3)(0.00N, 0.00E)
Measured Depth Reference: GL 5637' & RKB 24' @ 5661.00usft (H&P 271)
Calculation Method: Minimum Curvature

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

Plan: OH

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Created By: Mel Mireles Jr.