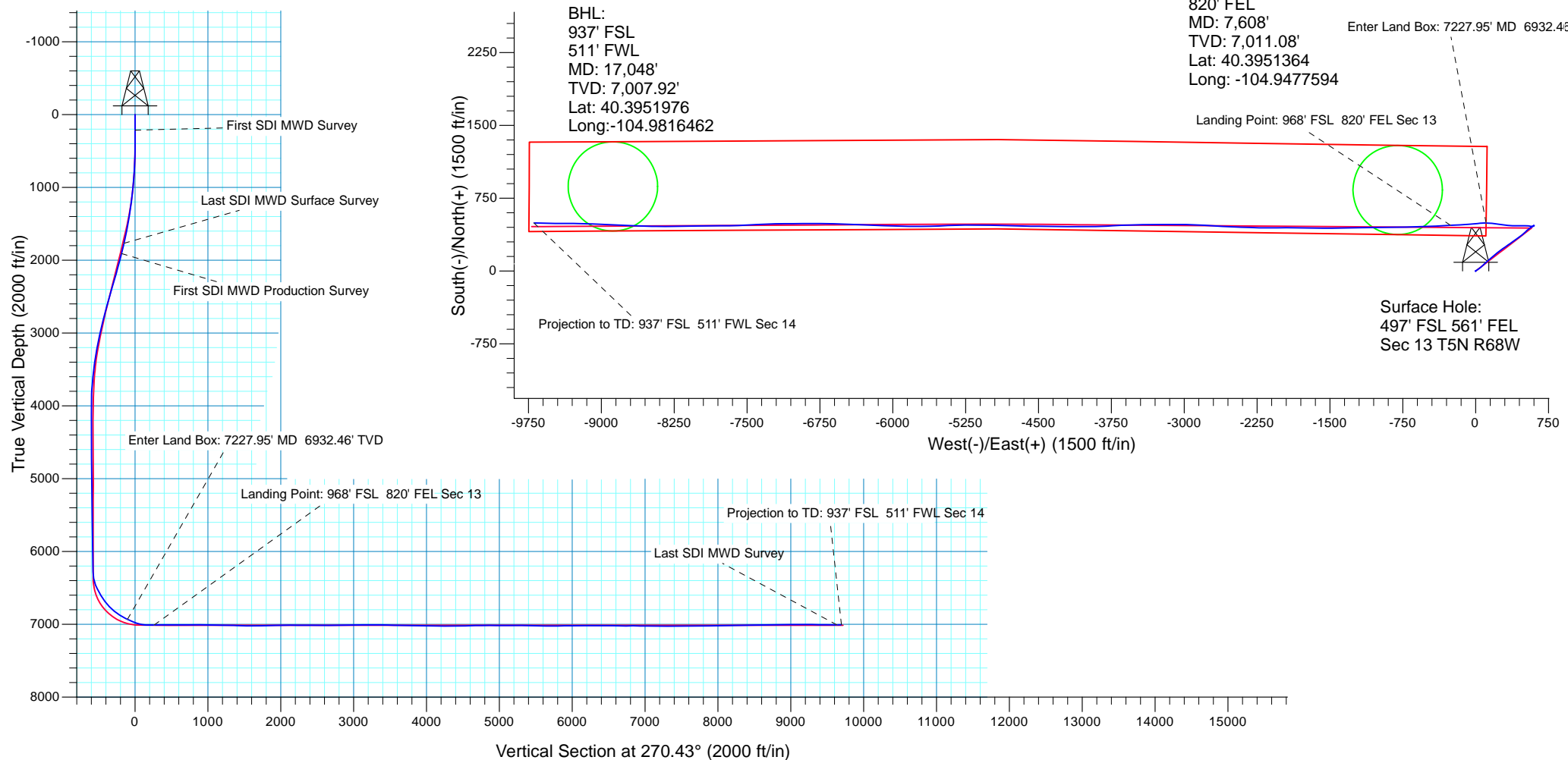


| WELL DETAILS: Folley South 1 | | | | |
|------------------------------|---|------------------------|---------------------------|---------|
| Northing 14670156.61 | GL 4887' & KB 20' @ 4907.00ft (Precision 461) | | | 4887.00 |
| | Easting 1655221.08 | Latitude 40.3938420 | Longitude -104.9468300 | |

| |
|--|
| Design: OH (Folley South 1/OH) |
| Created By: Seth Burstad Date: 8-30-2016 |

| ANNOTATIONS | | | | | | | Annotation |
|-------------|----------|-------|--------|--------|----------|--|--|
| TVD | MD | Inc | Azi | +N/-S | +E/-W | | |
| 214.00 | 214.00 | 0.59 | 257.55 | -0.24 | -1.08 | | First SDI MWD Survey |
| 1769.28 | 1790.00 | 17.52 | 49.19 | 130.06 | 153.48 | | Last SDI MWD Surface Survey |
| 1909.44 | 1937.00 | 17.57 | 48.92 | 159.10 | 186.95 | | First SDI MWD Production Survey |
| 6932.46 | 7227.95 | 63.76 | 270.05 | 493.36 | 107.12 | | Enter Land Box: 7227.95' MD 6932.46' TVD |
| 7011.08 | 7608.00 | 91.34 | 267.45 | 471.36 | -258.78 | | Landing Point: 968' FSL 820' FEL Sec 13 |
| 7008.22 | 16986.00 | 90.27 | 271.46 | 493.99 | -9631.91 | | Last SDI MWD Survey |
| 7007.92 | 17048.00 | 90.27 | 271.46 | 495.57 | -9693.89 | | Projection to TD: 937' FSL 511' FWL Sec 14 |

| PROJECT DETAILS: US Rockies Wattenberg Planning | |
|---|--|
| Geodetic System: | Universal Transverse Mercator (US Survey Feet) |
| Datum: | North American Datum 1983 |
| Ellipsoid: | GRS 1980 |
| Zone: | Zone 13N (108 W to 102 W) |
| System Datum: | Mean Sea Level |
| Local North: | True |





US ROCKIES REGION PLANNING

US Rockies Wattenberg Planning

Folley, 5N-68W-13

Folley South 1

OH

Design: OH

Standard Survey Report

30 August, 2016



| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | US Rockies Wattenberg Planning | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Zone 13N (108 W to 102 W) | | |

| | | | |
|------------------------------|--|--------------------------|--------------------|
| Site | Folley, 5N-68W-13, Site Center: Folley South 1 | | |
| Site Position: | | Northing: | 14,670,156.60 usft |
| From: | Lat/Long | Easting: | 1,655,221.07 usft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in |
| | | Latitude: | 40.3938420 |
| | | Longitude: | -104.9468300 |
| | | Grid Convergence: | 0.03 ° |

| | | | |
|-----------------------------|---|----------------------------|--------------------------------|
| Well | Folley South 1, 497' FSL 561' FEL Sec 13 T5N R68W | | |
| Well Position | +N/-S | 0.00 ft | Latitude: 40.3938420 |
| | +E/-W | 0.00 ft | Longitude: -104.9468300 |
| Position Uncertainty | 0.00 ft | Wellhead Elevation: | 0.00 ft |
| | | Ground Level: | 4,887.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2016 | 7/27/2016 | 8.55 | 66.86 | 52,462 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 270.43 | |

| | | | | | |
|-----------------------|----------------|-----------------------------|-----------------------|------------------------------------|--|
| Survey Program | Date | 8/30/2016 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 214.00 | 1,790.00 | Survey #1 - Surface (OH) | APC_ISCWSA REV 2 MWD+ | Fixed:v2:crustal field declination | |
| 1,937.00 | 17,048.00 | Survey #2 - Production (OH) | APC_ISCWSA REV 2 MWD+ | Fixed:v2:crustal field declination | |

| | | | | | | | | | | |
|-----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| 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) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 214.00 | 0.59 | 257.55 | 214.00 | -0.24 | -1.08 | 1.07 | 0.28 | 0.28 | 0.00 | |
| First SDI MWD Survey | | | | | | | | | | |
| 308.00 | 0.07 | 130.00 | 307.99 | -0.38 | -1.50 | 1.50 | 0.68 | -0.55 | -135.69 | |
| 401.00 | 0.19 | 314.24 | 400.99 | -0.31 | -1.57 | 1.57 | 0.28 | 0.13 | -188.99 | |
| 494.00 | 0.84 | 43.98 | 493.99 | 0.29 | -1.21 | 1.21 | 0.93 | 0.70 | 96.49 | |
| 588.00 | 2.16 | 52.69 | 587.96 | 1.86 | 0.68 | -0.66 | 1.42 | 1.40 | 9.27 | |
| 681.00 | 3.27 | 54.84 | 680.85 | 4.45 | 4.24 | -4.21 | 1.20 | 1.19 | 2.31 | |
| 774.00 | 4.20 | 55.33 | 773.65 | 7.91 | 9.21 | -9.15 | 1.00 | 1.00 | 0.53 | |
| 867.00 | 5.08 | 55.53 | 866.35 | 12.18 | 15.41 | -15.31 | 0.95 | 0.95 | 0.22 | |

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| 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) |
| 961.00 | 6.62 | 56.99 | 959.85 | 17.49 | 23.38 | -23.25 | 1.65 | 1.64 | 1.55 |
| 1,055.00 | 7.49 | 55.54 | 1,053.14 | 23.91 | 32.98 | -32.80 | 0.94 | 0.93 | -1.54 |
| 1,150.00 | 8.65 | 52.43 | 1,147.20 | 31.77 | 43.75 | -43.51 | 1.30 | 1.22 | -3.27 |
| 1,243.00 | 10.05 | 48.78 | 1,238.96 | 41.38 | 55.39 | -55.08 | 1.63 | 1.51 | -3.92 |
| 1,336.00 | 11.12 | 46.19 | 1,330.38 | 52.94 | 67.97 | -67.57 | 1.26 | 1.15 | -2.78 |
| 1,431.00 | 12.95 | 47.32 | 1,423.29 | 66.50 | 82.41 | -81.90 | 1.94 | 1.93 | 1.19 |
| 1,523.00 | 14.16 | 48.51 | 1,512.72 | 80.94 | 98.41 | -97.80 | 1.35 | 1.32 | 1.29 |
| 1,618.00 | 15.50 | 47.57 | 1,604.56 | 97.20 | 116.49 | -115.76 | 1.43 | 1.41 | -0.99 |
| 1,712.00 | 17.02 | 48.42 | 1,694.79 | 114.81 | 136.05 | -135.19 | 1.64 | 1.62 | 0.90 |
| 1,790.00 | 17.52 | 49.19 | 1,769.28 | 130.06 | 153.48 | -152.50 | 0.70 | 0.64 | 0.99 |
| Last SDI MWD Surface Survey | | | | | | | | | |
| 1,937.00 | 17.57 | 48.92 | 1,909.44 | 159.10 | 186.95 | -185.75 | 0.06 | 0.03 | -0.18 |
| First SDI MWD Production Survey | | | | | | | | | |
| 2,029.00 | 18.43 | 51.87 | 1,996.94 | 177.20 | 208.86 | -207.52 | 1.36 | 0.93 | 3.21 |
| 2,124.00 | 18.15 | 52.68 | 2,087.14 | 195.44 | 232.44 | -230.96 | 0.40 | -0.29 | 0.85 |
| 2,218.00 | 19.21 | 53.40 | 2,176.19 | 213.54 | 256.50 | -254.89 | 1.15 | 1.13 | 0.77 |
| 2,312.00 | 20.14 | 53.84 | 2,264.70 | 232.31 | 281.98 | -280.23 | 1.00 | 0.99 | 0.47 |
| 2,406.00 | 20.20 | 55.09 | 2,352.93 | 251.15 | 308.35 | -306.46 | 0.46 | 0.06 | 1.33 |
| 2,499.00 | 19.78 | 55.21 | 2,440.33 | 269.32 | 334.44 | -332.41 | 0.45 | -0.45 | 0.13 |
| 2,595.00 | 18.68 | 54.15 | 2,530.97 | 287.59 | 360.24 | -358.07 | 1.20 | -1.15 | -1.10 |
| 2,688.00 | 17.59 | 53.39 | 2,619.35 | 304.69 | 383.60 | -381.30 | 1.20 | -1.17 | -0.82 |
| 2,783.00 | 18.13 | 55.53 | 2,709.77 | 321.62 | 407.30 | -404.88 | 0.89 | 0.57 | 2.25 |
| 2,876.00 | 17.51 | 56.73 | 2,798.31 | 337.48 | 430.93 | -428.39 | 0.77 | -0.67 | 1.29 |
| 2,969.00 | 17.53 | 52.73 | 2,887.00 | 353.64 | 453.78 | -451.11 | 1.29 | 0.02 | -4.30 |
| 3,063.00 | 17.88 | 49.97 | 2,976.55 | 371.49 | 476.09 | -473.29 | 0.97 | 0.37 | -2.94 |
| 3,156.00 | 16.02 | 48.62 | 3,065.51 | 389.16 | 496.65 | -493.72 | 2.04 | -2.00 | -1.45 |
| 3,252.00 | 14.38 | 45.82 | 3,158.15 | 406.23 | 515.14 | -512.08 | 1.87 | -1.71 | -2.92 |
| 3,345.00 | 12.59 | 49.50 | 3,248.58 | 420.86 | 531.13 | -527.96 | 2.13 | -1.92 | 3.96 |
| 3,439.00 | 10.20 | 50.98 | 3,340.72 | 432.75 | 545.39 | -542.13 | 2.56 | -2.54 | 1.57 |
| 3,533.00 | 8.72 | 54.98 | 3,433.44 | 442.08 | 557.70 | -554.36 | 1.72 | -1.57 | 4.26 |
| 3,628.00 | 8.50 | 58.54 | 3,527.37 | 449.88 | 569.58 | -566.19 | 0.61 | -0.23 | 3.75 |
| 3,720.00 | 7.42 | 55.26 | 3,618.48 | 456.82 | 580.26 | -576.82 | 1.27 | -1.17 | -3.57 |
| 3,813.00 | 6.15 | 56.86 | 3,710.83 | 462.96 | 589.37 | -585.88 | 1.38 | -1.37 | 1.72 |
| 3,908.00 | 3.64 | 57.87 | 3,805.48 | 467.35 | 596.19 | -592.66 | 2.64 | -2.64 | 1.06 |
| 4,003.00 | 1.05 | 61.66 | 3,900.39 | 469.36 | 599.51 | -595.97 | 2.73 | -2.73 | 3.99 |
| 4,098.00 | 0.66 | 87.78 | 3,995.38 | 469.80 | 600.82 | -597.28 | 0.57 | -0.41 | 27.49 |
| 4,193.00 | 0.66 | 78.83 | 4,090.37 | 469.93 | 601.90 | -598.36 | 0.11 | 0.00 | -9.42 |
| 4,286.00 | 0.46 | 220.23 | 4,183.37 | 469.75 | 602.19 | -598.64 | 1.14 | -0.22 | 152.04 |
| 4,380.00 | 0.62 | 234.56 | 4,277.37 | 469.16 | 601.53 | -597.99 | 0.22 | 0.17 | 15.24 |
| 4,475.00 | 0.57 | 286.90 | 4,372.36 | 469.00 | 600.66 | -597.12 | 0.55 | -0.05 | 55.09 |
| 4,570.00 | 0.53 | 229.90 | 4,467.36 | 468.86 | 599.87 | -596.33 | 0.55 | -0.04 | -60.00 |
| 4,663.00 | 0.93 | 264.87 | 4,560.35 | 468.51 | 598.79 | -595.26 | 0.63 | 0.43 | 37.60 |
| 4,757.00 | 0.34 | 180.10 | 4,654.35 | 468.16 | 598.03 | -594.50 | 1.02 | -0.63 | -90.18 |

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| 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) |
| 4,852.00 | 0.57 | 199.03 | 4,749.34 | 467.44 | 597.87 | -594.35 | 0.29 | 0.24 | 19.93 |
| 4,970.00 | 0.39 | 244.28 | 4,867.34 | 466.71 | 597.32 | -593.80 | 0.34 | -0.15 | 38.35 |
| 5,063.00 | 0.70 | 257.44 | 4,960.33 | 466.45 | 596.48 | -592.96 | 0.36 | 0.33 | 14.15 |
| 5,158.00 | 0.57 | 165.24 | 5,055.33 | 465.86 | 596.04 | -592.52 | 0.97 | -0.14 | -97.05 |
| 5,253.00 | 0.82 | 203.81 | 5,150.32 | 464.78 | 595.88 | -592.38 | 0.54 | 0.26 | 40.60 |
| 5,348.00 | 1.28 | 231.00 | 5,245.31 | 463.49 | 594.78 | -591.29 | 0.70 | 0.48 | 28.62 |
| 5,442.00 | 1.63 | 246.31 | 5,339.28 | 462.30 | 592.74 | -589.26 | 0.55 | 0.37 | 16.29 |
| 5,536.00 | 1.31 | 239.71 | 5,433.25 | 461.22 | 590.59 | -587.11 | 0.38 | -0.34 | -7.02 |
| 5,631.00 | 0.74 | 249.70 | 5,528.23 | 460.46 | 589.08 | -585.60 | 0.63 | -0.60 | 10.52 |
| 5,725.00 | 0.64 | 269.11 | 5,622.23 | 460.24 | 587.98 | -584.51 | 0.27 | -0.11 | 20.65 |
| 5,820.00 | 0.84 | 274.98 | 5,717.22 | 460.29 | 586.76 | -583.29 | 0.22 | 0.21 | 6.18 |
| 5,915.00 | 0.87 | 276.54 | 5,812.21 | 460.43 | 585.35 | -581.88 | 0.04 | 0.03 | 1.64 |
| 6,008.00 | 0.74 | 273.60 | 5,905.20 | 460.55 | 584.05 | -580.57 | 0.15 | -0.14 | -3.16 |
| 6,102.00 | 0.88 | 262.87 | 5,999.19 | 460.50 | 582.73 | -579.25 | 0.22 | 0.15 | -11.41 |
| 6,195.00 | 0.76 | 265.93 | 6,092.18 | 460.37 | 581.40 | -577.93 | 0.14 | -0.13 | 3.29 |
| 6,288.00 | 0.51 | 288.50 | 6,185.17 | 460.45 | 580.39 | -576.92 | 0.38 | -0.27 | 24.27 |
| 6,381.00 | 0.69 | 258.98 | 6,278.17 | 460.48 | 579.45 | -575.98 | 0.38 | 0.19 | -31.74 |
| 6,474.00 | 10.68 | 278.75 | 6,370.60 | 461.69 | 570.36 | -566.88 | 10.79 | 10.74 | 21.26 |
| 6,569.00 | 22.11 | 277.77 | 6,461.58 | 465.45 | 543.86 | -540.35 | 12.03 | 12.03 | -1.03 |
| 6,662.00 | 29.39 | 268.95 | 6,545.32 | 467.41 | 503.63 | -500.11 | 8.83 | 7.83 | -9.48 |
| 6,755.00 | 33.21 | 269.18 | 6,624.77 | 466.62 | 455.33 | -451.82 | 4.11 | 4.11 | 0.25 |
| 6,849.00 | 36.20 | 269.97 | 6,702.04 | 466.24 | 401.82 | -398.31 | 3.22 | 3.18 | 0.84 |
| 6,944.00 | 45.67 | 274.35 | 6,773.74 | 468.81 | 339.73 | -336.21 | 10.41 | 9.97 | 4.61 |
| 7,039.00 | 54.59 | 280.63 | 6,834.61 | 478.55 | 267.62 | -264.02 | 10.66 | 9.39 | 6.61 |
| 7,134.00 | 58.44 | 275.43 | 6,887.04 | 489.53 | 189.21 | -185.53 | 6.10 | 4.05 | -5.47 |
| 7,227.95 | 63.76 | 270.05 | 6,932.46 | 493.36 | 107.12 | -103.42 | 7.56 | 5.66 | -5.73 |
| Enter Land Box: 7227.95' MD 6932.46' TVD | | | | | | | | | |
| 7,229.00 | 63.82 | 269.99 | 6,932.92 | 493.36 | 106.18 | -102.47 | 7.56 | 5.77 | -5.45 |
| 7,324.00 | 69.25 | 264.84 | 6,970.76 | 489.35 | 19.20 | -15.53 | 7.57 | 5.72 | -5.42 |
| 7,418.00 | 75.93 | 265.17 | 6,998.87 | 481.55 | -70.10 | 73.72 | 7.11 | 7.11 | 0.35 |
| 7,513.00 | 88.96 | 267.48 | 7,011.33 | 475.56 | -163.88 | 167.44 | 13.93 | 13.72 | 2.43 |
| 7,608.00 | 91.34 | 267.45 | 7,011.08 | 471.36 | -258.78 | 262.31 | 2.51 | 2.51 | -0.03 |
| Landing Point: 968' FSL 820' FEL Sec 13 | | | | | | | | | |
| 7,702.00 | 90.60 | 267.25 | 7,009.49 | 467.01 | -352.66 | 356.16 | 0.82 | -0.79 | -0.21 |
| 7,796.00 | 89.56 | 267.59 | 7,009.36 | 462.78 | -446.57 | 450.03 | 1.16 | -1.11 | 0.36 |
| 7,891.00 | 90.20 | 267.48 | 7,009.56 | 458.69 | -541.48 | 544.91 | 0.68 | 0.67 | -0.12 |
| 7,986.00 | 90.47 | 268.37 | 7,009.00 | 455.25 | -636.41 | 639.81 | 0.98 | 0.28 | 0.94 |
| 8,079.00 | 90.40 | 268.54 | 7,008.30 | 452.75 | -729.38 | 732.75 | 0.20 | -0.08 | 0.18 |
| 8,172.00 | 89.90 | 269.01 | 7,008.05 | 450.76 | -822.35 | 825.71 | 0.74 | -0.54 | 0.51 |
| 8,266.00 | 89.43 | 269.55 | 7,008.60 | 449.58 | -916.35 | 919.69 | 0.76 | -0.50 | 0.57 |
| 8,359.00 | 88.99 | 269.81 | 7,009.89 | 449.06 | -1,009.33 | 1,012.68 | 0.55 | -0.47 | 0.28 |
| 8,451.00 | 89.26 | 269.41 | 7,011.29 | 448.43 | -1,101.32 | 1,104.66 | 0.52 | 0.29 | -0.43 |
| 8,546.00 | 88.69 | 267.99 | 7,012.99 | 446.28 | -1,196.28 | 1,199.59 | 1.61 | -0.60 | -1.49 |
| 8,640.00 | 89.87 | 270.22 | 7,014.17 | 444.81 | -1,290.25 | 1,293.55 | 2.68 | 1.26 | 2.37 |

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| 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) |
| 8,733.00 | 87.01 | 268.47 | 7,016.70 | 443.75 | -1,383.20 | 1,386.49 | 3.60 | -3.08 | -1.88 |
| 8,827.00 | 88.15 | 268.93 | 7,020.67 | 441.62 | -1,477.09 | 1,480.36 | 1.31 | 1.21 | 0.49 |
| 8,921.00 | 89.90 | 270.82 | 7,022.27 | 441.41 | -1,571.07 | 1,574.34 | 2.74 | 1.86 | 2.01 |
| 9,015.00 | 91.48 | 270.77 | 7,021.14 | 442.72 | -1,665.05 | 1,668.32 | 1.68 | 1.68 | -0.05 |
| 9,109.00 | 91.31 | 271.14 | 7,018.85 | 444.28 | -1,759.01 | 1,762.29 | 0.43 | -0.18 | 0.39 |
| 9,203.00 | 90.40 | 270.96 | 7,017.45 | 446.01 | -1,852.98 | 1,856.28 | 0.99 | -0.97 | -0.19 |
| 9,297.00 | 91.81 | 270.17 | 7,015.64 | 446.93 | -1,946.95 | 1,950.25 | 1.72 | 1.50 | -0.84 |
| 9,391.00 | 91.11 | 269.23 | 7,013.24 | 446.44 | -2,040.92 | 2,044.21 | 1.25 | -0.74 | -1.00 |
| 9,485.00 | 89.80 | 269.72 | 7,012.49 | 445.58 | -2,134.91 | 2,138.20 | 1.49 | -1.39 | 0.52 |
| 9,579.00 | 89.40 | 271.59 | 7,013.15 | 446.65 | -2,228.90 | 2,232.19 | 2.03 | -0.43 | 1.99 |
| 9,673.00 | 90.60 | 271.56 | 7,013.15 | 449.24 | -2,322.86 | 2,326.17 | 1.28 | 1.28 | -0.03 |
| 9,767.00 | 88.66 | 272.12 | 7,013.76 | 452.26 | -2,416.81 | 2,420.13 | 2.15 | -2.06 | 0.60 |
| 9,861.00 | 89.46 | 272.27 | 7,015.30 | 455.86 | -2,510.72 | 2,514.07 | 0.87 | 0.85 | 0.16 |
| 9,954.00 | 90.20 | 273.13 | 7,015.58 | 460.24 | -2,603.62 | 2,607.00 | 1.22 | 0.80 | 0.92 |
| 10,049.00 | 91.41 | 274.01 | 7,014.24 | 466.15 | -2,698.42 | 2,701.85 | 1.57 | 1.27 | 0.93 |
| 10,144.00 | 90.67 | 272.91 | 7,012.52 | 471.88 | -2,793.23 | 2,796.69 | 1.40 | -0.78 | -1.16 |
| 10,238.00 | 90.40 | 272.00 | 7,011.64 | 475.91 | -2,887.14 | 2,890.63 | 1.01 | -0.29 | -0.97 |
| 10,332.00 | 90.13 | 271.25 | 7,011.20 | 478.57 | -2,981.10 | 2,984.61 | 0.85 | -0.29 | -0.80 |
| 10,427.00 | 89.87 | 269.66 | 7,011.20 | 479.33 | -3,076.09 | 3,079.61 | 1.70 | -0.27 | -1.67 |
| 10,521.00 | 90.97 | 270.18 | 7,010.52 | 479.20 | -3,170.09 | 3,173.60 | 1.29 | 1.17 | 0.55 |
| 10,616.00 | 90.44 | 269.59 | 7,009.35 | 479.01 | -3,265.08 | 3,268.59 | 0.83 | -0.56 | -0.62 |
| 10,710.00 | 89.19 | 269.50 | 7,009.65 | 478.26 | -3,359.08 | 3,362.57 | 1.33 | -1.33 | -0.10 |
| 10,805.00 | 88.96 | 268.81 | 7,011.18 | 476.86 | -3,454.05 | 3,457.54 | 0.77 | -0.24 | -0.73 |
| 10,898.00 | 89.46 | 268.63 | 7,012.47 | 474.78 | -3,547.02 | 3,550.48 | 0.57 | 0.54 | -0.19 |
| 10,993.00 | 89.03 | 267.28 | 7,013.72 | 471.39 | -3,641.95 | 3,645.39 | 1.49 | -0.45 | -1.42 |
| 11,088.00 | 89.13 | 266.82 | 7,015.24 | 466.50 | -3,736.81 | 3,740.21 | 0.50 | 0.11 | -0.48 |
| 11,182.00 | 88.59 | 267.18 | 7,017.11 | 461.59 | -3,830.66 | 3,834.02 | 0.69 | -0.57 | 0.38 |
| 11,276.00 | 87.82 | 269.36 | 7,020.06 | 458.75 | -3,924.57 | 3,927.90 | 2.46 | -0.82 | 2.32 |
| 11,371.00 | 88.56 | 269.25 | 7,023.06 | 457.60 | -4,019.51 | 4,022.83 | 0.79 | 0.78 | -0.12 |
| 11,460.00 | 89.06 | 270.52 | 7,024.91 | 457.42 | -4,108.49 | 4,111.81 | 1.53 | 0.56 | 1.43 |
| 11,555.00 | 90.44 | 270.09 | 7,025.32 | 457.92 | -4,203.49 | 4,206.81 | 1.52 | 1.45 | -0.45 |
| 11,649.00 | 90.70 | 271.05 | 7,024.39 | 458.86 | -4,297.48 | 4,300.80 | 1.06 | 0.28 | 1.02 |
| 11,743.00 | 91.58 | 271.16 | 7,022.52 | 460.67 | -4,391.44 | 4,394.77 | 0.94 | 0.94 | 0.12 |
| 11,838.00 | 90.30 | 270.58 | 7,020.96 | 462.11 | -4,486.41 | 4,489.76 | 1.48 | -1.35 | -0.61 |
| 11,932.00 | 91.55 | 270.54 | 7,019.44 | 463.03 | -4,580.40 | 4,583.74 | 1.33 | 1.33 | -0.04 |
| 12,026.00 | 90.47 | 271.24 | 7,017.78 | 464.49 | -4,674.37 | 4,677.72 | 1.37 | -1.15 | 0.74 |
| 12,120.00 | 91.04 | 271.95 | 7,016.54 | 467.11 | -4,768.32 | 4,771.69 | 0.97 | 0.61 | 0.76 |
| 12,214.00 | 89.63 | 270.86 | 7,015.99 | 469.41 | -4,862.29 | 4,865.67 | 1.90 | -1.50 | -1.16 |
| 12,309.00 | 90.00 | 272.13 | 7,016.30 | 471.89 | -4,957.25 | 4,960.65 | 1.39 | 0.39 | 1.34 |
| 12,401.00 | 89.03 | 269.25 | 7,017.08 | 473.00 | -5,049.23 | 5,052.64 | 3.30 | -1.05 | -3.13 |
| 12,494.00 | 90.20 | 271.24 | 7,017.71 | 473.40 | -5,142.22 | 5,145.63 | 2.48 | 1.26 | 2.14 |
| 12,587.00 | 89.77 | 269.67 | 7,017.73 | 474.14 | -5,235.22 | 5,238.63 | 1.75 | -0.46 | -1.69 |
| 12,682.00 | 90.13 | 269.70 | 7,017.81 | 473.61 | -5,330.22 | 5,333.62 | 0.38 | 0.38 | 0.03 |

| | | | |
|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| 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) |
| 12,777.00 | 88.62 | 265.81 | 7,018.85 | 469.89 | -5,425.12 | 5,428.49 | 4.39 | -1.59 | -4.09 |
| 12,872.00 | 88.99 | 267.30 | 7,020.83 | 464.19 | -5,519.92 | 5,523.25 | 1.62 | 0.39 | 1.57 |
| 12,963.00 | 89.40 | 269.63 | 7,022.11 | 461.75 | -5,610.87 | 5,614.18 | 2.60 | 0.45 | 2.56 |
| 13,057.00 | 89.66 | 270.28 | 7,022.88 | 461.68 | -5,704.87 | 5,708.17 | 0.74 | 0.28 | 0.69 |
| 13,152.00 | 90.64 | 270.31 | 7,022.63 | 462.16 | -5,799.87 | 5,803.17 | 1.03 | 1.03 | 0.03 |
| 13,247.00 | 90.57 | 270.35 | 7,021.63 | 462.71 | -5,894.86 | 5,898.17 | 0.08 | -0.07 | 0.04 |
| 13,340.00 | 90.44 | 271.55 | 7,020.81 | 464.25 | -5,987.84 | 5,991.16 | 1.30 | -0.14 | 1.29 |
| 13,434.00 | 90.71 | 271.59 | 7,019.87 | 466.83 | -6,081.80 | 6,085.13 | 0.29 | 0.29 | 0.04 |
| 13,527.00 | 90.37 | 272.44 | 7,018.99 | 470.10 | -6,174.74 | 6,178.09 | 0.98 | -0.37 | 0.91 |
| 13,621.00 | 89.46 | 272.59 | 7,019.13 | 474.22 | -6,268.65 | 6,272.03 | 0.98 | -0.97 | 0.16 |
| 13,713.00 | 89.73 | 272.54 | 7,019.78 | 478.34 | -6,360.55 | 6,363.96 | 0.30 | 0.29 | -0.05 |
| 13,808.00 | 89.36 | 271.82 | 7,020.53 | 481.95 | -6,455.48 | 6,458.91 | 0.85 | -0.39 | -0.76 |
| 13,902.00 | 90.24 | 272.51 | 7,020.86 | 485.51 | -6,549.41 | 6,552.87 | 1.19 | 0.94 | 0.73 |
| 13,997.00 | 89.06 | 270.40 | 7,021.44 | 487.92 | -6,644.37 | 6,647.85 | 2.54 | -1.24 | -2.22 |
| 14,092.00 | 90.24 | 270.88 | 7,022.02 | 488.98 | -6,739.36 | 6,742.84 | 1.34 | 1.24 | 0.51 |
| 14,185.00 | 89.93 | 270.20 | 7,021.88 | 489.86 | -6,832.36 | 6,835.84 | 0.80 | -0.33 | -0.73 |
| 14,280.00 | 89.66 | 269.41 | 7,022.22 | 489.53 | -6,927.35 | 6,930.83 | 0.88 | -0.28 | -0.83 |
| 14,375.00 | 89.56 | 269.39 | 7,022.87 | 488.54 | -7,022.35 | 7,025.82 | 0.11 | -0.11 | -0.02 |
| 14,469.00 | 89.60 | 269.51 | 7,023.56 | 487.63 | -7,116.34 | 7,119.80 | 0.13 | 0.04 | 0.13 |
| 14,563.00 | 90.20 | 269.15 | 7,023.72 | 486.54 | -7,210.33 | 7,213.78 | 0.74 | 0.64 | -0.38 |
| 14,658.00 | 89.46 | 267.15 | 7,024.01 | 483.47 | -7,305.28 | 7,308.70 | 2.24 | -0.78 | -2.11 |
| 14,751.00 | 90.37 | 267.99 | 7,024.14 | 479.53 | -7,398.19 | 7,401.58 | 1.33 | 0.98 | 0.90 |
| 14,845.00 | 90.03 | 266.67 | 7,023.82 | 475.15 | -7,492.09 | 7,495.44 | 1.45 | -0.36 | -1.40 |
| 14,940.00 | 90.07 | 266.87 | 7,023.73 | 469.79 | -7,586.94 | 7,590.25 | 0.21 | 0.04 | 0.21 |
| 15,033.00 | 91.01 | 270.06 | 7,022.86 | 467.30 | -7,679.89 | 7,683.18 | 3.58 | 1.01 | 3.43 |
| 15,127.00 | 89.80 | 268.81 | 7,022.19 | 466.38 | -7,773.88 | 7,777.16 | 1.85 | -1.29 | -1.33 |
| 15,222.00 | 90.37 | 269.40 | 7,022.05 | 464.89 | -7,868.86 | 7,872.13 | 0.86 | 0.60 | 0.62 |
| 15,316.00 | 91.21 | 270.03 | 7,020.75 | 464.43 | -7,962.85 | 7,966.11 | 1.12 | 0.89 | 0.67 |
| 15,411.00 | 90.94 | 269.92 | 7,018.97 | 464.38 | -8,057.83 | 8,061.09 | 0.31 | -0.28 | -0.12 |
| 15,505.00 | 89.56 | 268.21 | 7,018.56 | 462.85 | -8,151.82 | 8,155.06 | 2.34 | -1.47 | -1.82 |
| 15,600.00 | 90.84 | 269.30 | 7,018.23 | 460.79 | -8,246.79 | 8,250.01 | 1.77 | 1.35 | 1.15 |
| 15,695.00 | 91.72 | 269.90 | 7,016.11 | 460.12 | -8,341.76 | 8,344.98 | 1.12 | 0.93 | 0.63 |
| 15,789.00 | 92.22 | 270.32 | 7,012.88 | 460.30 | -8,435.71 | 8,438.92 | 0.69 | 0.53 | 0.45 |
| 15,884.00 | 91.28 | 271.78 | 7,009.98 | 462.04 | -8,530.64 | 8,533.87 | 1.83 | -0.99 | 1.54 |
| 15,979.00 | 90.81 | 272.31 | 7,008.24 | 465.43 | -8,625.56 | 8,628.81 | 0.75 | -0.49 | 0.56 |
| 16,074.00 | 91.31 | 272.92 | 7,006.49 | 469.77 | -8,720.45 | 8,723.73 | 0.83 | 0.53 | 0.64 |
| 16,168.00 | 90.17 | 272.23 | 7,005.27 | 473.99 | -8,814.34 | 8,817.65 | 1.42 | -1.21 | -0.73 |
| 16,263.00 | 90.30 | 272.30 | 7,004.88 | 477.74 | -8,909.27 | 8,912.60 | 0.16 | 0.14 | 0.07 |
| 16,357.00 | 91.08 | 272.75 | 7,003.75 | 481.88 | -9,003.17 | 9,006.53 | 0.96 | 0.83 | 0.48 |
| 16,452.00 | 89.87 | 271.52 | 7,002.96 | 485.42 | -9,098.10 | 9,101.48 | 1.82 | -1.27 | -1.29 |
| 16,546.00 | 90.60 | 272.63 | 7,002.58 | 488.83 | -9,192.03 | 9,195.44 | 1.41 | 0.78 | 1.18 |
| 16,642.00 | 88.09 | 269.70 | 7,003.67 | 490.78 | -9,287.99 | 9,291.41 | 4.02 | -2.61 | -3.05 |
| 16,737.00 | 88.96 | 270.23 | 7,006.12 | 490.72 | -9,382.96 | 9,386.37 | 1.07 | 0.92 | 0.56 |
| 16,831.00 | 89.26 | 270.51 | 7,007.58 | 491.33 | -9,476.94 | 9,480.36 | 0.44 | 0.32 | 0.30 |

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|------------------|--------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well Folley South 1 |
| Project: | US Rockies Wattenberg Planning | TVD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Site: | Folley, 5N-68W-13 | MD Reference: | GL 4887' & KB 20' @ 4907.00ft (Precision 461) |
| Well: | Folley South 1 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Denver Sales Office |

| 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) |
| 16,986.00 | 90.27 | 271.46 | 7,008.22 | 493.99 | -9,631.91 | 9,635.35 | 0.89 | 0.65 | 0.61 |
| Last SDI MWD Survey | | | | | | | | | |
| 17,048.00 | 90.27 | 271.46 | 7,007.92 | 495.57 | -9,693.89 | 9,697.34 | 0.00 | 0.00 | 0.00 |
| Projection to TD: 937' FSL 511' FWL Sec 14 | | | | | | | | | |

| Design Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 214.00 | 214.00 | -0.24 | -1.08 | First SDI MWD Survey | |
| 1,790.00 | 1,769.28 | 130.06 | 153.48 | Last SDI MWD Surface Survey | |
| 1,937.00 | 1,909.44 | 159.10 | 186.95 | First SDI MWD Production Survey | |
| 7,227.95 | 6,932.46 | 493.36 | 107.12 | Enter Land Box: 7227.95' MD 6932.46' TVD | |
| 7,608.00 | 7,011.08 | 471.36 | -258.78 | Landing Point: 968' FSL 820' FEL Sec 13 | |
| 16,986.00 | 7,008.22 | 493.99 | -9,631.91 | Last SDI MWD Survey | |
| 17,048.00 | 7,007.92 | 495.57 | -9,693.89 | Projection to TD: 937' FSL 511' FWL Sec 14 | |

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