

Project: SEC.9-T1N-R67W
Site: NRC 17-9 Pad Sec.9-T1N-R67W
Well: NRC 1-9
Plan: Wellbore #1



Anadarko, Weld County CO

SEC.9-T1N-R67W

NRC 17-9 Pad Sec.9-T1N-R67W

NRC 1-9

Wellbore #1

Design: Wellbore #1

Standard Survey Report

27 September, 2010



| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | Anadarko, Weld County CO | Local Co-ordinate Reference: | Well NRC 1-9 |
| Project: | SEC.9-T1N-R67W | TVD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Site: | NRC 17-9 Pad Sec.9-T1N-R67W | MD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Well: | NRC 1-9 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM den0-adp01 Server Data |

| | | | |
|--------------------|---------------------------------------|----------------------|-----------------------------|
| Project | SEC.9-T1N-R67W, Weld County, Colorado | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | |
|------------------------------|-----------------------------|--------------------------|-------------------|
| Site | NRC 17-9 Pad Sec.9-T1N-R67W | | |
| Site Position: | | Northing: | 1,268,177.88 ft |
| From: | Lat/Long | Easting: | 3,170,044.82 ft |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " |
| | | Latitude: | 40° 4' 4.580 N |
| | | Longitude: | 104° 53' 32.712 W |
| | | Grid Convergence: | 0.39 ° |

| | | | |
|-----------------------------|-------------|----------------------------|----------------------------------|
| Well | NRC 1-9 | | |
| Well Position | +N-S | 0.0 ft | Northing: 1,268,271.63 ft |
| | +E-W | 0.0 ft | Easting: 3,170,066.29 ft |
| Position Uncertainty | 0.0 ft | Wellhead Elevation: | ft |
| | | Latitude: | 40° 4' 5.505 N |
| | | Longitude: | 104° 53' 32.428 W |
| | | Ground Level: | 4,997.0 ft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 9/20/2010 | 9.00 | 66.78 | 53,019 |

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|--------------------------|------------------------------|------------------|------------------|----------------------|-----|
| Design | Wellbore #1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N-S (ft) | +E-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 45.17 | |

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|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 9/27/2010 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 115.0 | 8,700.0 | Survey #1 (Wellbore #1) | MWD | MWD - Standard | |

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|----------------------------|------------------------|--------------------|----------------------------|------------------|------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N-S (ft) | +E-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 115.0 | 0.60 | 69.30 | 115.0 | 0.2 | 0.6 | 0.5 | 0.52 | 0.52 | 0.00 | |
| 177.0 | 0.60 | 80.10 | 177.0 | 0.4 | 1.2 | 1.1 | 0.18 | 0.00 | 17.42 | |
| 270.0 | 1.40 | 45.50 | 270.0 | 1.3 | 2.5 | 2.6 | 1.04 | 0.86 | -37.20 | |
| 365.0 | 2.50 | 62.50 | 364.9 | 3.0 | 5.1 | 5.8 | 1.30 | 1.16 | 17.89 | |
| 455.0 | 4.20 | 47.90 | 454.8 | 6.1 | 9.3 | 11.0 | 2.10 | 1.89 | -16.22 | |
| 545.0 | 5.60 | 47.80 | 544.4 | 11.3 | 15.0 | 18.6 | 1.56 | 1.56 | -0.11 | |
| 634.0 | 7.20 | 50.00 | 632.9 | 17.8 | 22.5 | 28.5 | 1.82 | 1.80 | 2.47 | |
| 721.0 | 8.30 | 48.00 | 719.1 | 25.5 | 31.4 | 40.2 | 1.30 | 1.26 | -2.30 | |
| 812.0 | 9.50 | 45.30 | 809.0 | 35.2 | 41.6 | 54.3 | 1.40 | 1.32 | -2.97 | |
| 902.0 | 11.30 | 44.10 | 897.5 | 46.8 | 53.0 | 70.5 | 2.01 | 2.00 | -1.33 | |
| 977.0 | 12.50 | 47.20 | 970.9 | 57.5 | 64.1 | 86.0 | 1.81 | 1.60 | 4.13 | |
| 1,062.0 | 13.20 | 47.30 | 1,053.8 | 70.4 | 77.9 | 104.9 | 0.82 | 0.82 | 0.12 | |

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|------------------|-----------------------------|-------------------------------------|--------------------------------------|
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| Site: | NRC 17-9 Pad Sec.9-T1N-R67W | MD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Well: | NRC 1-9 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM den0-adp01 Server Data |

| Survey | | | | | | | | | | |
|-------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 1,149.0 | 14.00 | 45.30 | 1,138.3 | 84.5 | 92.7 | 125.3 | 1.07 | 0.92 | -2.30 | |
| 1,239.0 | 13.40 | 43.00 | 1,225.8 | 99.8 | 107.6 | 146.7 | 0.90 | -0.67 | -2.56 | |
| 1,330.0 | 13.70 | 45.10 | 1,314.2 | 115.1 | 122.4 | 168.0 | 0.63 | 0.33 | 2.31 | |
| 1,420.0 | 16.10 | 44.80 | 1,401.2 | 131.5 | 138.7 | 191.1 | 2.67 | 2.67 | -0.33 | |
| 1,509.0 | 17.30 | 45.90 | 1,486.4 | 149.5 | 156.9 | 216.7 | 1.39 | 1.35 | 1.24 | |
| 1,598.0 | 17.10 | 45.70 | 1,571.5 | 167.8 | 175.8 | 243.0 | 0.23 | -0.22 | -0.22 | |
| 1,688.0 | 17.10 | 44.90 | 1,657.5 | 186.4 | 194.6 | 269.5 | 0.26 | 0.00 | -0.89 | |
| 1,777.0 | 16.70 | 46.20 | 1,742.6 | 204.5 | 213.1 | 295.3 | 0.62 | -0.45 | 1.46 | |
| 1,867.0 | 17.10 | 45.50 | 1,828.8 | 222.8 | 231.9 | 321.5 | 0.50 | 0.44 | -0.78 | |
| 1,956.0 | 16.50 | 46.10 | 1,914.0 | 240.7 | 250.3 | 347.2 | 0.70 | -0.67 | 0.67 | |
| 2,045.0 | 18.40 | 47.60 | 1,998.9 | 258.9 | 269.8 | 373.9 | 2.19 | 2.13 | 1.69 | |
| 2,135.0 | 19.00 | 45.60 | 2,084.1 | 278.8 | 290.7 | 402.7 | 0.98 | 0.67 | -2.22 | |
| 2,225.0 | 19.30 | 44.30 | 2,169.1 | 299.7 | 311.6 | 432.3 | 0.58 | 0.33 | -1.44 | |
| 2,317.0 | 18.90 | 43.70 | 2,256.1 | 321.3 | 332.5 | 462.3 | 0.48 | -0.43 | -0.65 | |
| 2,405.0 | 17.90 | 44.30 | 2,339.6 | 341.3 | 351.8 | 490.1 | 1.16 | -1.14 | 0.68 | |
| 2,494.0 | 18.90 | 48.70 | 2,424.0 | 360.6 | 372.2 | 518.2 | 1.92 | 1.12 | 4.94 | |
| 2,584.0 | 18.40 | 46.90 | 2,509.3 | 379.9 | 393.5 | 546.9 | 0.85 | -0.56 | -2.00 | |
| 2,673.0 | 18.40 | 44.20 | 2,593.7 | 399.6 | 413.6 | 575.0 | 0.96 | 0.00 | -3.03 | |
| 2,762.0 | 18.30 | 46.10 | 2,678.2 | 419.4 | 433.4 | 603.0 | 0.68 | -0.11 | 2.13 | |
| 2,851.0 | 18.30 | 44.10 | 2,762.7 | 439.1 | 453.2 | 631.0 | 0.71 | 0.00 | -2.25 | |
| 2,941.0 | 18.10 | 43.50 | 2,848.2 | 459.4 | 472.7 | 659.1 | 0.30 | -0.22 | -0.67 | |
| 3,031.0 | 18.60 | 49.20 | 2,933.6 | 478.9 | 493.2 | 687.4 | 2.07 | 0.56 | 6.33 | |
| 3,120.0 | 20.10 | 44.80 | 3,017.6 | 499.0 | 514.7 | 716.8 | 2.35 | 1.69 | -4.94 | |
| 3,210.0 | 20.80 | 45.70 | 3,101.9 | 521.2 | 537.0 | 748.3 | 0.85 | 0.78 | 1.00 | |
| 3,299.0 | 20.60 | 44.60 | 3,185.2 | 543.3 | 559.3 | 779.7 | 0.49 | -0.22 | -1.24 | |
| 3,388.0 | 18.00 | 44.30 | 3,269.2 | 564.3 | 579.9 | 809.1 | 2.92 | -2.92 | -0.34 | |
| 3,477.0 | 18.10 | 45.00 | 3,353.8 | 584.0 | 599.3 | 836.7 | 0.27 | 0.11 | 0.79 | |
| 3,566.0 | 16.10 | 43.20 | 3,438.9 | 602.7 | 617.5 | 862.9 | 2.32 | -2.25 | -2.02 | |
| 3,656.0 | 15.70 | 44.70 | 3,525.4 | 620.5 | 634.6 | 887.5 | 0.64 | -0.44 | 1.67 | |
| 3,747.0 | 16.90 | 47.60 | 3,612.8 | 638.1 | 653.1 | 913.0 | 1.59 | 1.32 | 3.19 | |
| 3,837.0 | 18.00 | 46.20 | 3,698.6 | 656.6 | 672.8 | 940.0 | 1.31 | 1.22 | -1.56 | |
| 3,928.0 | 16.60 | 41.70 | 3,785.5 | 676.0 | 691.6 | 967.1 | 2.13 | -1.54 | -4.95 | |
| 4,018.0 | 16.40 | 42.20 | 3,871.8 | 695.0 | 708.6 | 992.6 | 0.27 | -0.22 | 0.56 | |
| 4,107.0 | 16.00 | 40.80 | 3,957.3 | 713.6 | 725.1 | 1,017.4 | 0.63 | -0.45 | -1.57 | |
| 4,197.0 | 15.70 | 46.00 | 4,043.9 | 731.5 | 742.0 | 1,041.9 | 1.61 | -0.33 | 5.78 | |
| 4,288.0 | 16.20 | 46.70 | 4,131.4 | 748.7 | 760.1 | 1,066.9 | 0.59 | 0.55 | 0.77 | |
| 4,379.0 | 16.50 | 44.70 | 4,218.7 | 766.6 | 778.4 | 1,092.5 | 0.70 | 0.33 | -2.20 | |
| 4,466.0 | 17.70 | 45.40 | 4,301.8 | 784.7 | 796.5 | 1,118.1 | 1.40 | 1.38 | 0.80 | |
| 4,555.0 | 17.30 | 47.20 | 4,386.7 | 803.2 | 815.8 | 1,144.9 | 0.76 | -0.45 | 2.02 | |
| 4,644.0 | 15.70 | 44.60 | 4,472.0 | 820.8 | 834.0 | 1,170.1 | 1.98 | -1.80 | -2.92 | |
| 4,733.0 | 15.20 | 43.50 | 4,557.8 | 837.8 | 850.5 | 1,193.8 | 0.65 | -0.56 | -1.24 | |
| 4,820.0 | 14.50 | 42.10 | 4,641.9 | 854.2 | 865.6 | 1,216.1 | 0.90 | -0.80 | -1.61 | |
| 4,911.0 | 15.70 | 46.80 | 4,729.8 | 871.0 | 882.3 | 1,239.8 | 1.88 | 1.32 | 5.16 | |
| 4,998.0 | 15.80 | 45.00 | 4,813.5 | 887.5 | 899.2 | 1,263.4 | 0.57 | 0.11 | -2.07 | |
| 5,085.1 | 13.79 | 42.81 | 4,897.7 | 903.5 | 914.6 | 1,285.6 | 2.40 | -2.31 | -2.51 | |
| 4862' MD = 170' Radius | | | | | | | | | | |
| 5,089.0 | 13.70 | 42.70 | 4,901.5 | 904.2 | 915.3 | 1,286.6 | 2.40 | -2.29 | -2.89 | |
| 5,179.0 | 12.40 | 44.30 | 4,989.2 | 918.9 | 929.3 | 1,306.9 | 1.50 | -1.44 | 1.78 | |
| 5,266.0 | 10.30 | 42.80 | 5,074.5 | 931.3 | 941.1 | 1,324.0 | 2.44 | -2.41 | -1.72 | |
| 5,356.0 | 9.70 | 40.10 | 5,163.1 | 943.0 | 951.4 | 1,339.6 | 0.85 | -0.67 | -3.00 | |
| 5,447.0 | 11.80 | 42.40 | 5,252.5 | 955.7 | 962.6 | 1,356.5 | 2.35 | 2.31 | 2.53 | |
| 5,534.0 | 12.00 | 43.50 | 5,337.6 | 968.9 | 974.9 | 1,374.4 | 0.35 | 0.23 | 1.26 | |
| 5,624.0 | 10.90 | 43.60 | 5,425.8 | 981.8 | 987.2 | 1,392.3 | 1.22 | -1.22 | 0.11 | |
| 5,713.0 | 8.40 | 43.60 | 5,513.6 | 992.6 | 997.5 | 1,407.2 | 2.81 | -2.81 | 0.00 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
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| Site: | NRC 17-9 Pad Sec.9-T1N-R67W | MD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Well: | NRC 1-9 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM den0-adp01 Server Data |

| Survey | | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 5,804.0 | 6.20 | 45.00 | 5,603.8 | 1,000.9 | 1,005.5 | 1,418.8 | 2.43 | -2.42 | 1.54 | |
| 5,893.0 | 5.10 | 43.20 | 5,692.4 | 1,007.2 | 1,011.6 | 1,427.5 | 1.25 | -1.24 | -2.02 | |
| 5,982.0 | 3.50 | 46.50 | 5,781.2 | 1,011.9 | 1,016.3 | 1,434.2 | 1.82 | -1.80 | 3.71 | |
| 6,072.0 | 1.60 | 69.70 | 5,871.1 | 1,014.3 | 1,019.5 | 1,438.1 | 2.36 | -2.11 | 25.78 | |
| 6,161.0 | 0.20 | 355.60 | 5,960.0 | 1,014.9 | 1,020.6 | 1,439.3 | 1.75 | -1.57 | -83.26 | |
| 6,201.0 | 0.23 | 45.03 | 6,000.0 | 1,015.0 | 1,020.7 | 1,439.4 | 0.46 | 0.08 | 123.67 | |
| TARGET BHL 660'FNL, 660'FEL | | | | | | | | | | |
| 6,250.0 | 0.40 | 72.80 | 6,049.0 | 1,015.1 | 1,020.9 | 1,439.7 | 0.46 | 0.35 | 56.64 | |
| 6,339.0 | 0.40 | 258.10 | 6,138.0 | 1,015.1 | 1,020.9 | 1,439.7 | 0.90 | 0.00 | -196.29 | |
| 6,428.0 | 0.80 | 256.00 | 6,227.0 | 1,014.9 | 1,020.0 | 1,438.9 | 0.45 | 0.45 | -2.36 | |
| 6,517.0 | 0.50 | 267.00 | 6,316.0 | 1,014.7 | 1,019.0 | 1,438.1 | 0.36 | -0.34 | 12.36 | |
| 6,607.0 | 0.10 | 125.80 | 6,406.0 | 1,014.7 | 1,018.7 | 1,437.8 | 0.65 | -0.44 | -156.89 | |
| 6,695.0 | 0.30 | 230.40 | 6,494.0 | 1,014.5 | 1,018.6 | 1,437.6 | 0.39 | 0.23 | 118.86 | |
| 6,785.0 | 0.10 | 208.80 | 6,584.0 | 1,014.3 | 1,018.3 | 1,437.3 | 0.23 | -0.22 | -24.00 | |
| 6,875.0 | 0.30 | 222.30 | 6,674.0 | 1,014.0 | 1,018.1 | 1,437.0 | 0.23 | 0.22 | 15.00 | |
| 6,964.0 | 1.00 | 196.30 | 6,763.0 | 1,013.1 | 1,017.8 | 1,436.0 | 0.83 | 0.79 | -29.21 | |
| 7,054.0 | 0.50 | 225.00 | 6,853.0 | 1,012.1 | 1,017.3 | 1,435.0 | 0.68 | -0.56 | 31.89 | |
| 7,145.0 | 1.20 | 193.50 | 6,944.0 | 1,010.9 | 1,016.8 | 1,433.8 | 0.90 | 0.77 | -34.62 | |
| 7,235.0 | 1.50 | 207.80 | 7,034.0 | 1,008.9 | 1,016.0 | 1,431.8 | 0.50 | 0.33 | 15.89 | |
| 7,325.0 | 1.10 | 207.20 | 7,124.0 | 1,007.1 | 1,015.1 | 1,429.9 | 0.44 | -0.44 | -0.67 | |
| 7,415.0 | 1.10 | 231.10 | 7,213.9 | 1,005.8 | 1,014.0 | 1,428.2 | 0.51 | 0.00 | 26.56 | |
| 7,506.0 | 1.10 | 231.10 | 7,304.9 | 1,004.7 | 1,012.6 | 1,426.5 | 0.00 | 0.00 | 0.00 | |
| 7,554.7 | 1.33 | 210.90 | 7,353.7 | 1,003.9 | 1,012.0 | 1,425.5 | 0.99 | 0.46 | -41.43 | |
| TARGET BOX 400' X 400' 660'FNL, 658'FEL | | | | | | | | | | |
| 7,595.0 | 1.60 | 199.60 | 7,393.9 | 1,003.0 | 1,011.5 | 1,424.5 | 0.99 | 0.68 | -28.08 | |
| 7,684.0 | 1.10 | 209.50 | 7,482.9 | 1,001.1 | 1,010.7 | 1,422.6 | 0.62 | -0.56 | 11.12 | |
| 7,774.0 | 1.00 | 280.90 | 7,572.9 | 1,000.5 | 1,009.5 | 1,421.3 | 1.36 | -0.11 | 79.33 | |
| 7,864.0 | 0.60 | 211.60 | 7,662.9 | 1,000.2 | 1,008.5 | 1,420.4 | 1.07 | -0.44 | -77.00 | |
| 7,954.0 | 0.70 | 192.90 | 7,752.9 | 999.3 | 1,008.1 | 1,419.5 | 0.26 | 0.11 | -20.78 | |
| 8,044.0 | 0.90 | 201.40 | 7,842.8 | 998.1 | 1,007.7 | 1,418.3 | 0.26 | 0.22 | 9.44 | |
| 8,134.0 | 0.60 | 230.40 | 7,932.8 | 997.1 | 1,007.1 | 1,417.2 | 0.53 | -0.33 | 32.22 | |
| 8,225.0 | 0.50 | 267.60 | 8,023.8 | 996.8 | 1,006.4 | 1,416.5 | 0.40 | -0.11 | 40.88 | |
| 8,315.0 | 0.60 | 312.80 | 8,113.8 | 997.1 | 1,005.6 | 1,416.2 | 0.48 | 0.11 | 50.22 | |
| 8,405.0 | 0.60 | 8.60 | 8,203.8 | 997.9 | 1,005.3 | 1,416.5 | 0.62 | 0.00 | 62.00 | |
| 8,495.0 | 0.30 | 200.30 | 8,293.8 | 998.1 | 1,005.3 | 1,416.7 | 1.00 | -0.33 | -187.00 | |
| 8,586.0 | 0.40 | 302.90 | 8,384.8 | 998.1 | 1,005.0 | 1,416.4 | 0.60 | 0.11 | 112.75 | |
| 8,651.0 | 0.30 | 338.80 | 8,449.8 | 998.4 | 1,004.7 | 1,416.4 | 0.36 | -0.15 | 55.23 | |
| 8,700.0 | 0.30 | 338.80 | 8,498.8 | 998.6 | 1,004.6 | 1,416.5 | 0.00 | 0.00 | 0.00 | |
| TARGET CIRCLE 660'FNL, 660'FEL | | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
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| Project: | SEC.9-T1N-R67W | TVD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Site: | NRC 17-9 Pad Sec.9-T1N-R67W | MD Reference: | WELL @ 5012.0ft (Original Well Elev) |
| Well: | NRC 1-9 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | EDM den0-adp01 Server Data |

Wellbore Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|-----------------|-------------------|
| 4862'MD = 170' Radiu - actual wellpath misses target center by 162.1ft at 5085.1ft MD (4897.7 TVD, 903.5 N, 914.6 E) - Circle (radius 170.0) | 0.00 | 0.00 | 4,857.0 | 996.0 | 1,041.4 | 1,269,274.70 | 3,171,100.80 | 40° 4' 15.348 N | 104° 53' 19.032 W |
| TARGET BHL 660'FN - actual wellpath misses target center by 11.2ft at 6200.9ft MD (6000.0 TVD, 1015.0 N, 1020.7 E) - Point | 0.00 | 0.00 | 6,000.0 | 1,008.8 | 1,029.9 | 1,269,287.38 | 3,171,089.24 | 40° 4' 15.474 N | 104° 53' 19.180 W |
| TARGET BOX 400' X - actual wellpath misses target center by 20.5ft at 7554.8ft MD (7353.7 TVD, 1003.9 N, 1012.0 E) - Rectangle (sides W400.0 H400.0 D1,180.0) | 0.00 | 0.00 | 7,354.0 | 1,008.8 | 1,031.9 | 1,269,287.44 | 3,171,091.21 | 40° 4' 15.474 N | 104° 53' 19.154 W |
| TARGET CIRCLE 660' - actual wellpath misses target center by 44.5ft at 8700.0ft MD (8498.8 TVD, 998.6 N, 1004.6 E) - Circle (radius 50.0) | 0.00 | 0.00 | 8,534.0 | 1,008.8 | 1,029.9 | 1,269,287.43 | 3,171,089.21 | 40° 4' 15.474 N | 104° 53' 19.180 W |

Checked By: _____ Approved By: _____ Date: _____