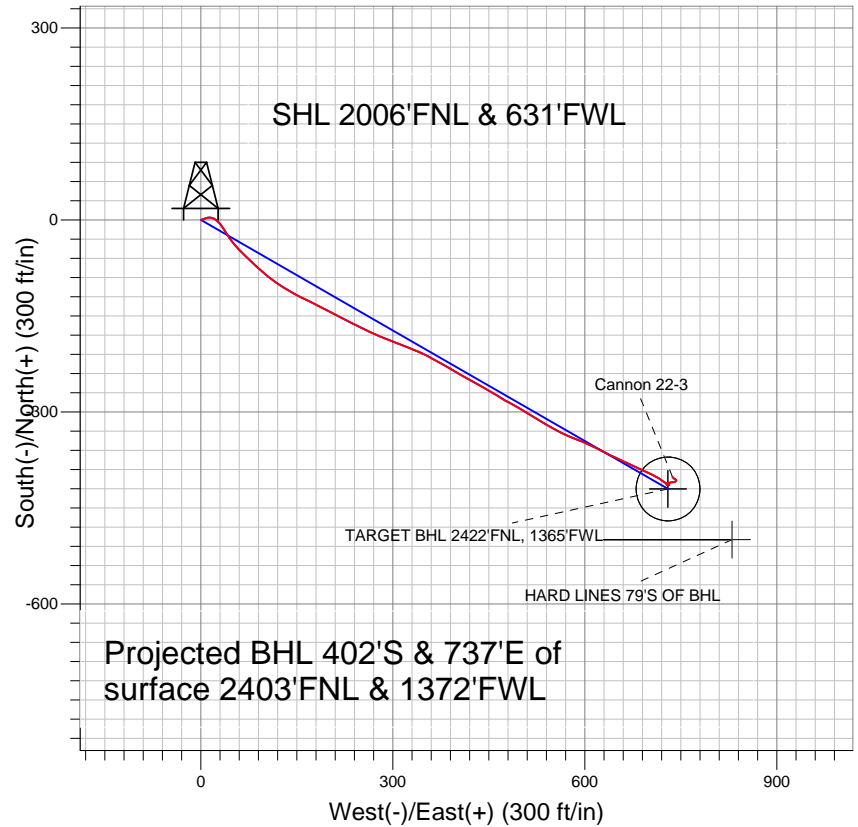


Anadarko, Weld County CO



LEGEND

- Cannon 22-3, Wellbore #1, Plan #2 (6-24-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
8086'MD & 7993'TVD @ 839'VS
0.6 deg Inc 334.4 deg AZ

Project: SEC.3-T2N-R65W
Site: Cannon 5-3 Pad Sec.3-T2N-R65W
Well: Cannon 22-3
Plan: Wellbore #1



Directional

Anadarko, Weld County CO

SEC.3-T2N-R65W

Cannon 5-3 Pad Sec.3-T2N-R65W

Cannon 22-3

Wellbore #1

Survey: Survey #1

Standard Survey Report

12 July, 2011

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------------|
| Company: | Anadarko, Weld County CO | Local Co-ordinate Reference: | Well Cannon 22-3 |
| Project: | SEC.3-T2N-R65W | TVD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Site: | Cannon 5-3 Pad Sec.3-T2N-R65W | MD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Well: | Cannon 22-3 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| | | | |
|--------------------|---------------------------------------|----------------------|-----------------------------|
| Project | SEC.3-T2N-R65W, 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 | Cannon 5-3 Pad Sec.3-T2N-R65W | | | | |
| Site Position: | | Northing: | 1,305,581.72 ft | Latitude: | 40.169143 |
| From: | Lat/Long | Easting: | 3,235,593.03 ft | Longitude: | -104.656954 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.54 ° |

| | | | | | | |
|----------------------|-------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Cannon 22-3 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,305,581.71 ft | Latitude: | 40.169143 |
| | +E/-W | 0.0 ft | Easting: | 3,235,593.03 ft | Longitude: | -104.656954 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,847.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 6/28/2011 | 8.78 | 66.88 | 53,018 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| 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 (°) | |
| | 5,000.0 | 0.0 | 0.0 | 119.94 | |

| | | | | | |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 7/12/2011 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 144.0 | 8,086.0 | Survey #1 (Wellbore #1) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| 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 | |
| 144.0 | 1.10 | 74.90 | 144.0 | 0.4 | 1.3 | 1.0 | 0.76 | 0.76 | 0.00 | |
| 233.0 | 1.30 | 72.20 | 233.0 | 0.9 | 3.1 | 2.3 | 0.23 | 0.22 | -3.03 | |
| 324.0 | 1.20 | 69.10 | 323.9 | 1.5 | 5.0 | 3.6 | 0.13 | -0.11 | -3.41 | |
| 415.0 | 1.70 | 71.00 | 414.9 | 2.3 | 7.2 | 5.0 | 0.55 | 0.55 | 2.09 | |
| 507.0 | 1.70 | 71.70 | 506.9 | 3.2 | 9.7 | 6.8 | 0.02 | 0.00 | 0.76 | |
| 599.0 | 1.50 | 80.10 | 598.8 | 3.8 | 12.2 | 8.7 | 0.33 | -0.22 | 9.13 | |
| 695.0 | 1.80 | 106.70 | 694.8 | 3.6 | 14.9 | 11.1 | 0.85 | 0.31 | 27.71 | |
| 757.0 | 1.40 | 112.10 | 756.8 | 3.1 | 16.5 | 12.8 | 0.69 | -0.65 | 8.71 | |
| 849.0 | 2.90 | 101.10 | 848.7 | 2.2 | 19.9 | 16.1 | 1.68 | 1.63 | -11.96 | |
| 944.0 | 3.70 | 133.30 | 943.6 | -0.4 | 24.5 | 21.4 | 2.09 | 0.84 | 33.89 | |
| 1,039.0 | 6.10 | 141.00 | 1,038.2 | -6.4 | 29.9 | 29.1 | 2.61 | 2.53 | 8.11 | |
| 1,135.0 | 7.70 | 146.20 | 1,133.5 | -15.7 | 36.7 | 39.6 | 1.79 | 1.67 | 5.42 | |

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------------|
| Company: | Anadarko, Weld County CO | Local Co-ordinate Reference: | Well Cannon 22-3 |
| Project: | SEC.3-T2N-R65W | TVD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Site: | Cannon 5-3 Pad Sec.3-T2N-R65W | MD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Well: | Cannon 22-3 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

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) |
|--------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 1,230.0 | 9.00 | 147.60 | 1,227.5 | -27.3 | 44.2 | 51.9 | 1.38 | 1.37 | 1.47 |
| 1,325.0 | 10.10 | 138.80 | 1,321.2 | -39.8 | 53.6 | 66.4 | 1.92 | 1.16 | -9.26 |
| 1,420.0 | 11.70 | 134.40 | 1,414.5 | -52.8 | 66.0 | 83.6 | 1.90 | 1.68 | -4.63 |
| 1,515.0 | 13.20 | 133.90 | 1,507.2 | -67.1 | 80.7 | 103.4 | 1.58 | 1.58 | -0.53 |
| 1,610.0 | 13.90 | 130.90 | 1,599.6 | -82.1 | 97.2 | 125.2 | 1.04 | 0.74 | -3.16 |
| 1,706.0 | 14.30 | 125.10 | 1,692.7 | -96.5 | 115.6 | 148.3 | 1.53 | 0.42 | -6.04 |
| 1,801.0 | 14.20 | 121.40 | 1,784.8 | -109.3 | 135.1 | 171.6 | 0.96 | -0.11 | -3.89 |
| 1,896.0 | 13.80 | 115.70 | 1,877.0 | -120.3 | 155.3 | 194.6 | 1.51 | -0.42 | -6.00 |
| 1,991.0 | 14.40 | 116.00 | 1,969.1 | -130.3 | 176.1 | 217.7 | 0.64 | 0.63 | 0.32 |
| 2,086.0 | 14.30 | 117.90 | 2,061.1 | -141.0 | 197.1 | 241.2 | 0.51 | -0.11 | 2.00 |
| 2,181.0 | 14.00 | 118.10 | 2,153.3 | -151.9 | 217.6 | 264.4 | 0.32 | -0.32 | 0.21 |
| 2,277.0 | 14.00 | 116.40 | 2,246.4 | -162.6 | 238.2 | 287.6 | 0.43 | 0.00 | -1.77 |
| 2,374.0 | 14.20 | 115.60 | 2,340.5 | -172.9 | 259.5 | 311.1 | 0.29 | 0.21 | -0.82 |
| 2,469.0 | 13.70 | 112.90 | 2,432.7 | -182.3 | 280.3 | 333.9 | 0.86 | -0.53 | -2.84 |
| 2,564.0 | 13.40 | 110.50 | 2,525.0 | -190.6 | 301.0 | 356.0 | 0.67 | -0.32 | -2.53 |
| 2,659.0 | 13.10 | 111.20 | 2,617.5 | -198.3 | 321.4 | 377.5 | 0.36 | -0.32 | 0.74 |
| 2,755.0 | 13.00 | 113.50 | 2,711.0 | -206.5 | 341.4 | 398.9 | 0.55 | -0.10 | 2.40 |
| 2,850.0 | 13.60 | 119.60 | 2,803.5 | -216.3 | 360.9 | 420.7 | 1.61 | 0.63 | 6.42 |
| 2,945.0 | 14.80 | 119.50 | 2,895.6 | -227.8 | 381.2 | 444.0 | 1.26 | 1.26 | -0.11 |
| 3,041.0 | 15.20 | 118.80 | 2,988.3 | -239.9 | 402.9 | 468.9 | 0.46 | 0.42 | -0.73 |
| 3,136.0 | 14.80 | 121.30 | 3,080.1 | -252.2 | 424.2 | 493.5 | 0.80 | -0.42 | 2.63 |
| 3,231.0 | 14.50 | 117.90 | 3,172.0 | -264.1 | 445.1 | 517.5 | 0.96 | -0.32 | -3.58 |
| 3,326.0 | 14.20 | 122.40 | 3,264.0 | -275.9 | 465.4 | 541.0 | 1.22 | -0.32 | 4.74 |
| 3,421.0 | 13.80 | 118.00 | 3,356.2 | -287.5 | 485.3 | 564.0 | 1.20 | -0.42 | -4.63 |
| 3,516.0 | 13.40 | 122.40 | 3,448.6 | -298.7 | 504.6 | 586.3 | 1.17 | -0.42 | 4.63 |
| 3,611.0 | 13.30 | 119.90 | 3,541.0 | -310.0 | 523.3 | 608.2 | 0.62 | -0.11 | -2.63 |
| 3,707.0 | 12.40 | 121.50 | 3,634.6 | -320.9 | 541.7 | 629.6 | 1.01 | -0.94 | 1.67 |
| 3,801.0 | 12.00 | 116.90 | 3,726.5 | -330.6 | 559.0 | 649.4 | 1.12 | -0.43 | -4.89 |
| 3,896.0 | 12.40 | 111.90 | 3,819.3 | -338.9 | 577.3 | 669.4 | 1.19 | 0.42 | -5.26 |
| 3,992.0 | 13.00 | 112.80 | 3,913.0 | -346.9 | 596.8 | 690.3 | 0.66 | 0.63 | 0.94 |
| 4,087.0 | 14.10 | 116.10 | 4,005.3 | -356.1 | 617.0 | 712.4 | 1.41 | 1.16 | 3.47 |
| 4,182.0 | 14.20 | 116.60 | 4,097.4 | -366.4 | 637.8 | 735.6 | 0.17 | 0.11 | 0.53 |
| 4,277.0 | 11.70 | 115.70 | 4,190.0 | -375.8 | 656.9 | 756.9 | 2.64 | -2.63 | -0.95 |
| 4,372.0 | 9.80 | 114.40 | 4,283.3 | -383.4 | 673.0 | 774.5 | 2.02 | -2.00 | -1.37 |
| 4,468.0 | 8.90 | 114.50 | 4,378.1 | -389.8 | 687.2 | 790.0 | 0.94 | -0.94 | 0.10 |
| 4,563.0 | 7.80 | 114.70 | 4,472.1 | -395.6 | 699.7 | 803.8 | 1.16 | -1.16 | 0.21 |
| 4,658.0 | 6.20 | 117.90 | 4,566.3 | -400.7 | 710.1 | 815.3 | 1.73 | -1.68 | 3.37 |
| 4,753.0 | 5.10 | 126.10 | 4,660.9 | -405.5 | 718.1 | 824.6 | 1.43 | -1.16 | 8.63 |
| 4,848.0 | 3.40 | 124.30 | 4,755.6 | -409.6 | 723.8 | 831.7 | 1.79 | -1.79 | -1.89 |
| 4,943.0 | 2.20 | 126.10 | 4,850.5 | -412.3 | 727.6 | 836.3 | 1.27 | -1.26 | 1.89 |
| 5,039.0 | 2.00 | 95.70 | 4,946.4 | -413.5 | 730.8 | 839.6 | 1.16 | -0.21 | -31.67 |
| 5,092.6 | 0.54 | 113.46 | 5,000.0 | -413.7 | 731.9 | 840.7 | 2.79 | -2.73 | 33.14 |
| TARGET BHL 2422'FNL, 1365'FWL | | | | | | | | | |
| 5,134.0 | 0.70 | 251.10 | 5,041.4 | -413.9 | 731.9 | 840.8 | 2.79 | 0.39 | 332.25 |
| 5,228.0 | 0.70 | 241.60 | 5,135.4 | -414.3 | 730.8 | 840.1 | 0.12 | 0.00 | -10.11 |
| 5,323.0 | 0.60 | 267.70 | 5,230.4 | -414.6 | 729.8 | 839.4 | 0.33 | -0.11 | 27.47 |
| 5,419.0 | 0.50 | 296.00 | 5,326.4 | -414.5 | 728.9 | 838.5 | 0.30 | -0.10 | 29.48 |
| 5,514.0 | 0.50 | 320.00 | 5,421.4 | -414.0 | 728.3 | 837.7 | 0.22 | 0.00 | 25.26 |
| 5,609.0 | 0.50 | 326.50 | 5,516.4 | -413.3 | 727.8 | 837.0 | 0.06 | 0.00 | 6.84 |
| 5,704.0 | 0.40 | 337.00 | 5,611.4 | -412.7 | 727.4 | 836.3 | 0.14 | -0.11 | 11.05 |
| 5,799.0 | 0.40 | 342.20 | 5,706.4 | -412.0 | 727.2 | 835.8 | 0.04 | 0.00 | 5.47 |
| 5,894.0 | 0.40 | 61.20 | 5,801.4 | -411.6 | 727.4 | 835.7 | 0.54 | 0.00 | 83.16 |
| 5,989.0 | 0.50 | 70.40 | 5,896.4 | -411.3 | 728.1 | 836.2 | 0.13 | 0.11 | 9.68 |
| 6,085.0 | 0.60 | 80.30 | 5,992.4 | -411.0 | 729.0 | 836.8 | 0.14 | 0.10 | 10.31 |

| | | | |
|------------------|-------------------------------|-------------------------------------|--------------------------------------|
| Company: | Anadarko, Weld County CO | Local Co-ordinate Reference: | Well Cannon 22-3 |
| Project: | SEC.3-T2N-R65W | TVD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Site: | Cannon 5-3 Pad Sec.3-T2N-R65W | MD Reference: | WELL @ 4862.0ft (Original Well Elev) |
| Well: | Cannon 22-3 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| 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) | |
| 6,180.0 | 0.40 | 78.80 | 6,087.4 | -410.9 | 729.8 | 837.5 | 0.21 | -0.21 | -1.58 | |
| 6,275.0 | 0.30 | 95.70 | 6,182.4 | -410.9 | 730.4 | 837.9 | 0.15 | -0.11 | 17.79 | |
| 6,370.0 | 0.40 | 86.70 | 6,277.4 | -410.9 | 730.9 | 838.4 | 0.12 | 0.11 | -9.47 | |
| 6,465.0 | 0.40 | 84.90 | 6,372.4 | -410.8 | 731.6 | 839.0 | 0.01 | 0.00 | -1.89 | |
| 6,561.0 | 0.60 | 74.30 | 6,468.4 | -410.6 | 732.4 | 839.6 | 0.23 | 0.21 | -11.04 | |
| 6,656.0 | 0.90 | 79.70 | 6,563.4 | -410.4 | 733.6 | 840.5 | 0.32 | 0.32 | 5.68 | |
| 6,751.0 | 1.80 | 82.30 | 6,658.3 | -410.0 | 735.8 | 842.3 | 0.95 | 0.95 | 2.74 | |
| 6,846.0 | 1.70 | 80.10 | 6,753.3 | -409.6 | 738.7 | 844.6 | 0.13 | -0.11 | -2.32 | |
| 6,941.0 | 0.90 | 72.00 | 6,848.3 | -409.1 | 740.8 | 846.1 | 0.86 | -0.84 | -8.53 | |
| 6,946.6 | 0.88 | 71.46 | 6,853.8 | -409.1 | 740.9 | 846.2 | 0.47 | -0.44 | -9.67 | |
| TARGET CIRCLE 2422'FNL & 1365'FWL | | | | | | | | | | |
| 7,036.0 | 0.50 | 55.70 | 6,943.3 | -408.7 | 741.9 | 846.8 | 0.47 | -0.42 | -17.62 | |
| 7,131.0 | 0.50 | 28.80 | 7,038.3 | -408.1 | 742.4 | 847.0 | 0.24 | 0.00 | -28.32 | |
| 7,226.0 | 0.30 | 20.60 | 7,133.3 | -407.5 | 742.7 | 846.9 | 0.22 | -0.21 | -8.63 | |
| 7,322.0 | 0.20 | 14.10 | 7,229.3 | -407.1 | 742.8 | 846.9 | 0.11 | -0.10 | -6.77 | |
| 7,417.0 | 0.40 | 334.10 | 7,324.3 | -406.6 | 742.7 | 846.5 | 0.29 | 0.21 | -42.11 | |
| 7,512.0 | 0.40 | 312.70 | 7,419.3 | -406.1 | 742.3 | 845.9 | 0.16 | 0.00 | -22.53 | |
| 7,607.0 | 0.70 | 300.20 | 7,514.3 | -405.6 | 741.6 | 845.0 | 0.34 | 0.32 | -13.16 | |
| 7,702.0 | 1.00 | 305.40 | 7,609.2 | -404.8 | 740.4 | 843.6 | 0.33 | 0.32 | 5.47 | |
| 7,798.0 | 0.80 | 303.70 | 7,705.2 | -403.9 | 739.2 | 842.1 | 0.21 | -0.21 | -1.77 | |
| 7,893.0 | 0.60 | 315.00 | 7,800.2 | -403.2 | 738.3 | 841.0 | 0.25 | -0.21 | 11.89 | |
| 7,988.0 | 0.60 | 319.40 | 7,895.2 | -402.5 | 737.6 | 840.0 | 0.05 | 0.00 | 4.63 | |
| 8,036.0 | 0.60 | 334.40 | 7,943.2 | -402.1 | 737.3 | 839.6 | 0.33 | 0.00 | 31.25 | |
| HARD LINES 79'S OF BHL | | | | | | | | | | |
| 8,086.0 | 0.60 | 334.40 | 7,993.2 | -401.6 | 737.1 | 839.2 | 0.00 | 0.00 | 0.00 | |

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