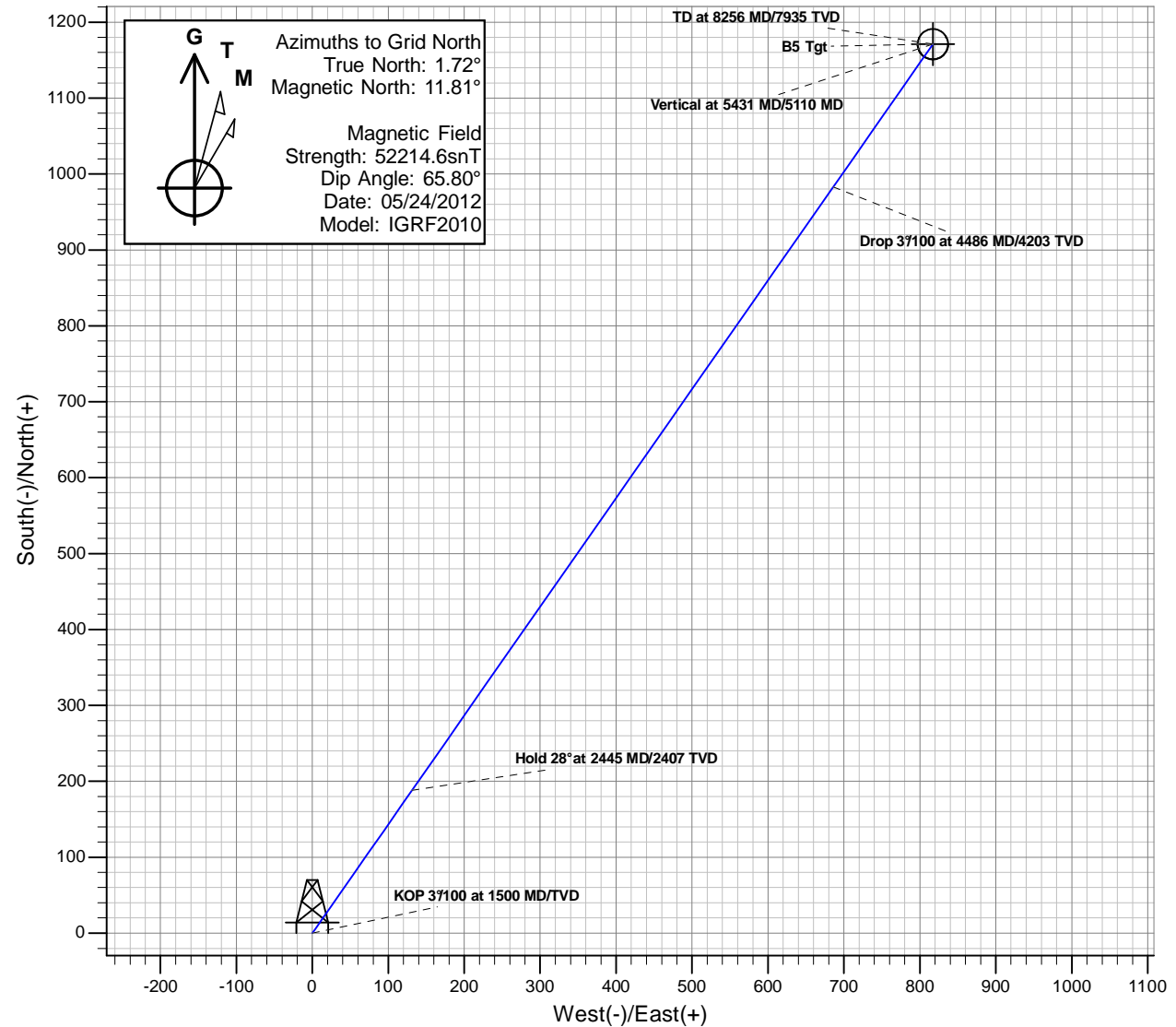
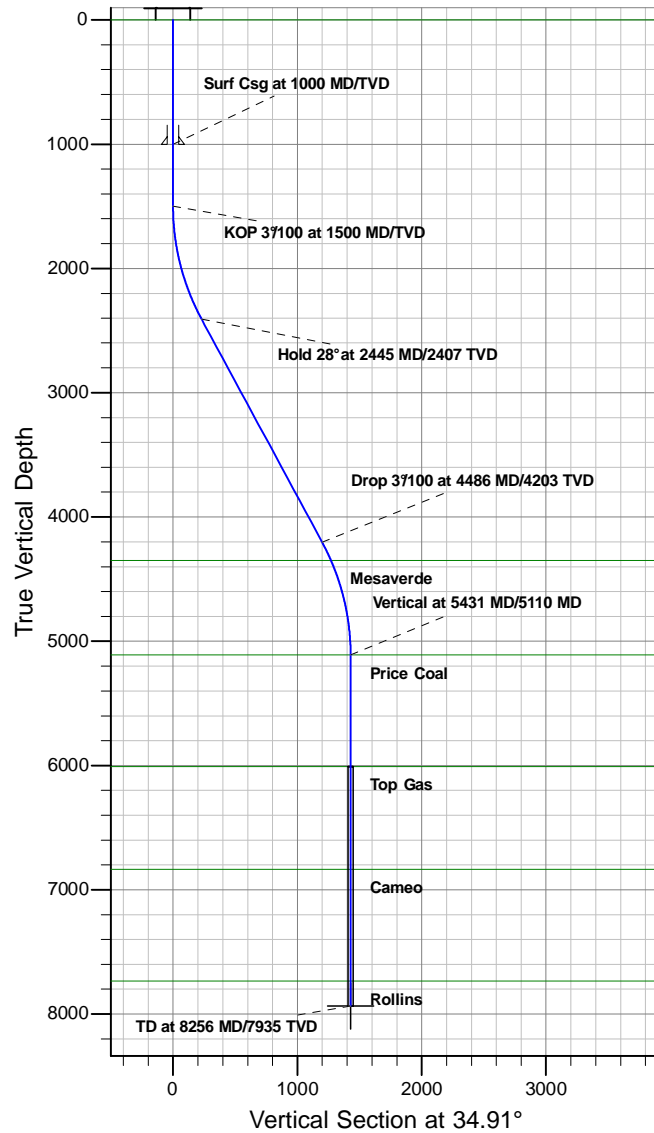




# Antero Resources

Gentry B05 (112002)  
Gentry B05 P02



## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Gentry B05 (112002) - Slot B5, Grid North  
Vertical (TVD) Reference: KB @ 5648.00ft (Original Well Elev)  
Section (VS) Reference: Slot - B5(0.00N, 0.00E)  
Measured Depth Reference: KB @ 5648.00ft (Original Well Elev)  
Calculation Method: Minimum Curvature

## PROJECT DETAILS: Gentry

Geodetic System: Universal Transverse Mercator  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Zone 13N (108 W to 102 W)  
System Datum: Mean Sea Level

## SECTION DETAILS

| MD      | Inc   | Azi   | TVD     | +N/-S   | +E/-W  | Dleg | TFace  | VSEct   | Target |
|---------|-------|-------|---------|---------|--------|------|--------|---------|--------|
| 0.00    | 0.00  | 0.00  | 0.00    | 0.00    | 0.00   | 0.00 | 0.00   | 0.00    |        |
| 1500.00 | 0.00  | 0.00  | 1500.00 | 0.00    | 0.00   | 0.00 | 0.00   | 0.00    |        |
| 2445.49 | 28.36 | 34.91 | 2407.34 | 188.04  | 131.21 | 3.00 | 34.91  | 229.29  |        |
| 4485.76 | 28.36 | 34.91 | 4202.66 | 982.95  | 685.87 | 0.00 | 0.00   | 1198.59 |        |
| 5431.25 | 0.00  | 34.91 | 5110.00 | 1171.00 | 817.08 | 3.00 | 180.00 | 1427.89 |        |
| 8256.25 | 0.00  | 34.91 | 7935.00 | 1171.00 | 817.08 | 0.00 | 34.91  | 1427.89 | B5 Tgt |

# **Antero Resources**

**Gentry**

**Gentry B**

**Gentry B05 (112002) - Slot B5**

**Gentry B05 (112002)**

**Plan: Gentry B05 P02**

## **Standard Planning Report - Geographic**

**01 March, 2012**

# Planning Report - Geographic

|                  |                     |                                     |                                     |
|------------------|---------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM5000-New         | <b>Local Co-ordinate Reference:</b> | Well Gentry B05 (112002) - Slot B5  |
| <b>Company:</b>  | Antero Resources    | <b>TVD Reference:</b>               | KB @ 5648.00ft (Original Well Elev) |
| <b>Project:</b>  | Gentry              | <b>MD Reference:</b>                | KB @ 5648.00ft (Original Well Elev) |
| <b>Site:</b>     | Gentry B            | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Gentry B05 (112002) | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Gentry B05 (112002) |                                     |                                     |
| <b>Design:</b>   | Gentry B05 P02      |                                     |                                     |

|                    |                               |                      |                |
|--------------------|-------------------------------|----------------------|----------------|
| <b>Project</b>     | Gentry                        |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983     |                      |                |
| <b>Map Zone:</b>   | Zone 13N (108 W to 102 W)     |                      |                |

|                       |          |           |                    |            |                   |         |
|-----------------------|----------|-----------|--------------------|------------|-------------------|---------|
| Site                  | Gentry B |           |                    |            |                   |         |
| Site Position:        |          | Northing: | 14,366,383.28 usft | Latitude:  | 39.528393199°N    |         |
| From:                 | Map      | Easting:  | 880,664.23 usft    | Longitude: | 107.694272643°W   |         |
| Position Uncertainty: |          | 0.00 ft   | Slot Radius:       | 13.20 in   | Grid Convergence: | -1.72 ° |

|                      |                               |         |                     |                    |               |                 |
|----------------------|-------------------------------|---------|---------------------|--------------------|---------------|-----------------|
| Well                 | Gentry B05 (112002) - Slot B5 |         |                     |                    |               |                 |
| Well Position        | +N/-S                         | 0.00 ft | Northing:           | 14,366,393.68 usft | Latitude:     | 39.528426942°N  |
|                      | +E/-W                         | 0.00 ft | Easting:            | 880,727.46 usft    | Longitude:    | 107.694049757°W |
| Position Uncertainty |                               | 0.00 ft | Wellhead Elevation: |                    | Ground Level: | 5,624.00 ft     |

|                  |                     |                    |                        |                      |                            |
|------------------|---------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Gentry B05 (112002) |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b>   | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010            | 05/24/12           | 10.10                  | 65.80                | 52,215                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Gentry B05 P02               |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 7,935.00                     | 0.00              | 0.00                 | 34.91                |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |        |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00                 | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |        |
| 1,500.00             | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |        |
| 2,445.49             | 28.36           | 34.91       | 2,407.34            | 188.04     | 131.21     | 3.00                  | 3.00                 | 0.00                | 34.91   |        |
| 4,485.76             | 28.36           | 34.91       | 4,202.66            | 982.95     | 685.87     | 0.00                  | 0.00                 | 0.00                | 0.00    |        |
| 5,431.25             | 0.00            | 34.91       | 5,110.00            | 1,171.00   | 817.08     | 3.00                  | -3.00                | 0.00                | 180.00  |        |
| 8,256.25             | 0.00            | 34.91       | 7,935.00            | 1,171.00   | 817.08     | 0.00                  | 0.00                 | 0.00                | 34.91   | B5 Tgt |

# Planning Report - Geographic

|                  |                     |                                     |                                     |
|------------------|---------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM5000-New         | <b>Local Co-ordinate Reference:</b> | Well Gentry B05 (112002) - Slot B5  |
| <b>Company:</b>  | Antero Resources    | <b>TVD Reference:</b>               | KB @ 5648.00ft (Original Well Elev) |
| <b>Project:</b>  | Gentry              | <b>MD Reference:</b>                | KB @ 5648.00ft (Original Well Elev) |
| <b>Site:</b>     | Gentry B            | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Gentry B05 (112002) | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Gentry B05 (112002) |                                     |                                     |
| <b>Design:</b>   | Gentry B05 P02      |                                     |                                     |

| Planned Survey                         |                 |             |                     |            |            |                     |                    |                |                 |
|--|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|----------------|-----------------|
| Measured Depth (ft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude       | Longitude       |
| 0.00                                   | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| <b>Wasatch</b>                         |                 |             |                     |            |            |                     |                    |                |                 |
| 100.00                                 | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 200.00                                 | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 300.00                                 | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 400.00                                 | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 500.00                                 | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 600.00                                 | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 700.00                                 | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 800.00                                 | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 900.00                                 | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 1,000.00                               | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| <b>Surf Csg at 1000 MD/TVD</b>         |                 |             |                     |            |            |                     |                    |                |                 |
| 1,100.00                               | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 1,200.00                               | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 1,300.00                               | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 1,400.00                               | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| 1,500.00                               | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 14,366,393.68       | 880,727.46         | 39.528426942°N | 107.694049757°W |
| <b>KOP 3°/100 at 1500 MD/TVD</b>       |                 |             |                     |            |            |                     |                    |                |                 |
| 1,600.00                               | 3.00            | 34.91       | 1,599.95            | 2.15       | 1.50       | 14,366,395.83       | 880,728.96         | 39.528432953°N | 107.694044679°W |
| 1,700.00                               | 6.00            | 34.91       | 1,699.63            | 8.58       | 5.99       | 14,366,402.26       | 880,733.45         | 39.528450972°N | 107.694029459°W |
| 1,800.00                               | 9.00            | 34.91       | 1,798.77            | 19.28      | 13.46      | 14,366,412.97       | 880,740.92         | 39.528480948°N | 107.694004137°W |
| 1,900.00                               | 12.00           | 34.91       | 1,897.08            | 34.23      | 23.88      | 14,366,427.91       | 880,751.34         | 39.528522800°N | 107.693968785°W |
| 2,000.00                               | 15.00           | 34.91       | 1,994.31            | 53.37      | 37.24      | 14,366,447.05       | 880,764.70         | 39.528576412°N | 107.693923497°W |
| 2,100.00                               | 18.00           | 34.91       | 2,090.18            | 76.66      | 53.49      | 14,366,470.34       | 880,780.95         | 39.528641638°N | 107.693868400°W |
| 2,200.00                               | 21.00           | 34.91       | 2,184.43            | 104.03     | 72.59      | 14,366,497.71       | 880,800.05         | 39.528718299°N | 107.693803643°W |
| 2,300.00                               | 24.00           | 34.91       | 2,276.81            | 135.41     | 94.48      | 14,366,529.09       | 880,821.95         | 39.528806184°N | 107.693729403°W |
| 2,400.00                               | 27.00           | 34.91       | 2,367.06            | 170.71     | 119.12     | 14,366,564.39       | 880,846.58         | 39.528905054°N | 107.693645886°W |
| 2,445.49                               | 28.36           | 34.91       | 2,407.34            | 188.04     | 131.21     | 14,366,581.72       | 880,858.67         | 39.528953591°N | 107.693604885°W |
| <b>Hold 28° at 2445 MD/2407 TVD</b>    |                 |             |                     |            |            |                     |                    |                |                 |
| 2,500.00                               | 28.36           | 34.91       | 2,455.31            | 209.28     | 146.03     | 14,366,602.96       | 880,873.49         | 39.529013072°N | 107.693554639°W |
| 2,600.00                               | 28.36           | 34.91       | 2,543.30            | 248.24     | 173.21     | 14,366,641.92       | 880,900.68         | 39.529122190°N | 107.693462464°W |
| 2,700.00                               | 28.36           | 34.91       | 2,631.29            | 287.20     | 200.40     | 14,366,680.88       | 880,927.86         | 39.529231308°N | 107.693370288°W |
| 2,800.00                               | 28.36           | 34.91       | 2,719.29            | 326.16     | 227.59     | 14,366,719.85       | 880,955.05         | 39.529340425°N | 107.693278112°W |
| 2,900.00                               | 28.36           | 34.91       | 2,807.28            | 365.12     | 254.77     | 14,366,758.81       | 880,982.23         | 39.529449543°N | 107.693185936°W |
| 3,000.00                               | 28.36           | 34.91       | 2,895.28            | 404.09     | 281.96     | 14,366,797.77       | 881,009.42         | 39.529558660°N | 107.693093760°W |
| 3,100.00                               | 28.36           | 34.91       | 2,983.27            | 443.05     | 309.14     | 14,366,836.73       | 881,036.60         | 39.529667778°N | 107.693001583°W |
| 3,200.00                               | 28.36           | 34.91       | 3,071.26            | 482.01     | 336.33     | 14,366,875.69       | 881,063.79         | 39.529776895°N | 107.692909406°W |
| 3,300.00                               | 28.36           | 34.91       | 3,159.26            | 520.97     | 363.51     | 14,366,914.65       | 881,090.98         | 39.529886012°N | 107.692817228°W |
| 3,400.00                               | 28.36           | 34.91       | 3,247.25            | 559.93     | 390.70     | 14,366,953.61       | 881,118.16         | 39.529995130°N | 107.692725051°W |
| 3,500.00                               | 28.36           | 34.91       | 3,335.25            | 598.89     | 417.89     | 14,366,992.57       | 881,145.35         | 39.530104247°N | 107.692632873°W |
| 3,600.00                               | 28.36           | 34.91       | 3,423.24            | 637.85     | 445.07     | 14,367,031.53       | 881,172.53         | 39.530213364°N | 107.692540694°W |
| 3,700.00                               | 28.36           | 34.91       | 3,511.24            | 676.81     | 472.26     | 14,367,070.49       | 881,199.72         | 39.530322481°N | 107.692448516°W |
| 3,800.00                               | 28.36           | 34.91       | 3,599.23            | 715.77     | 499.44     | 14,367,109.45       | 881,226.90         | 39.530431598°N | 107.692356337°W |
| 3,900.00                               | 28.36           | 34.91       | 3,687.22            | 754.74     | 526.63     | 14,367,148.42       | 881,254.09         | 39.530540715°N | 107.692264158°W |
| 4,000.00                               | 28.36           | 34.91       | 3,775.22            | 793.70     | 553.82     | 14,367,187.38       | 881,281.28         | 39.530649832°N | 107.692171979°W |
| 4,100.00                               | 28.36           | 34.91       | 3,863.21            | 832.66     | 581.00     | 14,367,226.34       | 881,308.46         | 39.530758949°N | 107.692079799°W |
| 4,200.00                               | 28.36           | 34.91       | 3,951.21            | 871.62     | 608.19     | 14,367,265.30       | 881,335.65         | 39.530868065°N | 107.691987619°W |
| 4,300.00                               | 28.36           | 34.91       | 4,039.20            | 910.58     | 635.37     | 14,367,304.26       | 881,362.83         | 39.530977182°N | 107.691895439°W |
| 4,400.00                               | 28.36           | 34.91       | 4,127.19            | 949.54     | 662.56     | 14,367,343.22       | 881,390.02         | 39.531086299°N | 107.691803258°W |
| 4,485.76                               | 28.36           | 34.91       | 4,202.66            | 982.95     | 685.87     | 14,367,376.63       | 881,413.33         | 39.531179879°N | 107.691724202°W |
| <b>Drop 3°/100 at 4486 MD/4203 TVD</b> |                 |             |                     |            |            |                     |                    |                |                 |
| 4,500.00                               | 27.94           | 34.91       | 4,215.21            | 988.46     | 689.72     | 14,367,382.14       | 881,417.18         | 39.531195308°N | 107.691711168°W |
| 4,600.00                               | 24.94           | 34.91       | 4,304.75            | 1,024.97   | 715.19     | 14,367,418.65       | 881,442.65         | 39.531297554°N | 107.691624791°W |

# Planning Report - Geographic

|                  |                     |                                     |                                     |
|------------------|---------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM5000-New         | <b>Local Co-ordinate Reference:</b> | Well Gentry B05 (112002) - Slot B5  |
| <b>Company:</b>  | Antero Resources    | <b>TVD Reference:</b>               | KB @ 5648.00ft (Original Well Elev) |
| <b>Project:</b>  | Gentry              | <b>MD Reference:</b>                | KB @ 5648.00ft (Original Well Elev) |
| <b>Site:</b>     | Gentry B            | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Gentry B05 (112002) | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Gentry B05 (112002) |                                     |                                     |
| <b>Design:</b>   | Gentry B05 P02      |                                     |                                     |

| Planned Survey                           |                 |             |                     |            |            |                     |                    |                |                 |  |
|--|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|----------------|-----------------|--|
| Measured Depth (ft)                      | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude       | Longitude       |  |
| 4,649.61                                 | 23.45           | 34.91       | 4,350.00            | 1,041.65   | 726.83     | 14,367,435.33       | 881,454.29         | 39.531344252°N | 107.691585341°W |  |
| Mesaverde                                |                 |             |                     |            |            |                     |                    |                |                 |  |
| 4,700.00                                 | 21.94           | 34.91       | 4,396.48            | 1,057.59   | 737.95     | 14,367,451.27       | 881,465.41         | 39.531388898°N | 107.691547623°W |  |
| 4,800.00                                 | 18.94           | 34.91       | 4,490.18            | 1,086.22   | 757.93     | 14,367,479.90       | 881,485.39         | 39.531469090°N | 107.691479878°W |  |
| 4,900.00                                 | 15.94           | 34.91       | 4,585.57            | 1,110.79   | 775.07     | 14,367,504.47       | 881,502.53         | 39.531537909°N | 107.691421739°W |  |
| 5,000.00                                 | 12.94           | 34.91       | 4,682.40            | 1,131.24   | 789.34     | 14,367,524.92       | 881,516.80         | 39.531595167°N | 107.691373367°W |  |
| 5,100.00                                 | 9.94            | 34.91       | 4,780.41            | 1,147.50   | 800.69     | 14,367,541.18       | 881,528.15         | 39.531640707°N | 107.691334895°W |  |
| 5,200.00                                 | 6.94            | 34.91       | 4,879.31            | 1,159.53   | 809.08     | 14,367,553.21       | 881,536.54         | 39.531674405°N | 107.691306427°W |  |
| 5,300.00                                 | 3.94            | 34.91       | 4,978.85            | 1,167.30   | 814.50     | 14,367,560.98       | 881,541.96         | 39.531696167°N | 107.691288042°W |  |
| 5,400.00                                 | 0.94            | 34.91       | 5,078.75            | 1,170.79   | 816.94     | 14,367,564.47       | 881,544.40         | 39.531705934°N | 107.691279791°W |  |
| 5,431.25                                 | 0.00            | 34.91       | 5,110.00            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| Vertical at 5431 MD/5110 MD - Price Coal |                 |             |                     |            |            |                     |                    |                |                 |  |
| 5,500.00                                 | 0.00            | 34.91       | 5,178.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 5,600.00                                 | 0.00            | 34.91       | 5,278.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 5,700.00                                 | 0.00            | 34.91       | 5,378.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 5,800.00                                 | 0.00            | 34.91       | 5,478.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 5,900.00                                 | 0.00            | 34.91       | 5,578.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,000.00                                 | 0.00            | 34.91       | 5,678.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,100.00                                 | 0.00            | 34.91       | 5,778.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,200.00                                 | 0.00            | 34.91       | 5,878.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,300.00                                 | 0.00            | 34.91       | 5,978.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,331.25                                 | 0.00            | 34.91       | 6,010.00            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| Top Gas                                  |                 |             |                     |            |            |                     |                    |                |                 |  |
| 6,400.00                                 | 0.00            | 34.91       | 6,078.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,500.00                                 | 0.00            | 34.91       | 6,178.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,600.00                                 | 0.00            | 34.91       | 6,278.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,700.00                                 | 0.00            | 34.91       | 6,378.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,800.00                                 | 0.00            | 34.91       | 6,478.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 6,900.00                                 | 0.00            | 34.91       | 6,578.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,000.00                                 | 0.00            | 34.91       | 6,678.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,100.00                                 | 0.00            | 34.91       | 6,778.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,156.25                                 | 0.00            | 34.91       | 6,835.00            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| Cameo                                    |                 |             |                     |            |            |                     |                    |                |                 |  |
| 7,200.00                                 | 0.00            | 34.91       | 6,878.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,300.00                                 | 0.00            | 34.91       | 6,978.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,400.00                                 | 0.00            | 34.91       | 7,078.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,500.00                                 | 0.00            | 34.91       | 7,178.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,600.00                                 | 0.00            | 34.91       | 7,278.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,700.00                                 | 0.00            | 34.91       | 7,378.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,800.00                                 | 0.00            | 34.91       | 7,478.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 7,900.00                                 | 0.00            | 34.91       | 7,578.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 8,000.00                                 | 0.00            | 34.91       | 7,678.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 8,056.25                                 | 0.00            | 34.91       | 7,735.00            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| Rollins                                  |                 |             |                     |            |            |                     |                    |                |                 |  |
| 8,100.00                                 | 0.00            | 34.91       | 7,778.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 8,200.00                                 | 0.00            | 34.91       | 7,878.75            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| 8,256.25                                 | 0.00            | 34.91       | 7,935.00            | 1,171.00   | 817.08     | 14,367,564.68       | 881,544.54         | 39.531706521°N | 107.691279295°W |  |
| TD at 8256 MD/7935 TVD - B5 Tgt          |                 |             |                     |            |            |                     |                    |                |                 |  |

## Planning Report - Geographic

|                  |                     |                                     |                                     |
|------------------|---------------------|-------------------------------------|-------------------------------------|
| <b>Database:</b> | EDM5000-New         | <b>Local Co-ordinate Reference:</b> | Well Gentry B05 (112002) - Slot B5  |
| <b>Company:</b>  | Antero Resources    | <b>TVD Reference:</b>               | KB @ 5648.00ft (Original Well Elev) |
| <b>Project:</b>  | Gentry              | <b>MD Reference:</b>                | KB @ 5648.00ft (Original Well Elev) |
| <b>Site:</b>     | Gentry B            | <b>North Reference:</b>             | Grid                                |
| <b>Well:</b>     | Gentry B05 (112002) | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Wellbore:</b> | Gentry B05 (112002) |                                     |                                     |
| <b>Design:</b>   | Gentry B05 P02      |                                     |                                     |

| Design Targets            |           |          |          |          |        |               |            |                |                 |
|---------------------------|-----------|----------|----------|----------|--------|---------------|------------|----------------|-----------------|
| Target Name               | Dip Angle | Dip Dir. | TVD      | +N/-S    | +E/-W  | Northing      | Easting    | Latitude       | Longitude       |
| - hit/miss target         | (°)       | (°)      | (ft)     | (ft)     | (ft)   | (usft)        | (usft)     |                |                 |
| - Shape                   |           |          |          |          |        |               |            |                |                 |
| B5 Tgt                    | 0.00      | 360.00   | 7,935.00 | 1,171.00 | 817.08 | 14,367,564.68 | 881,544.54 | 39.531706521°N | 107.691279295°W |
| - plan hits target center |           |          |          |          |        |               |            |                |                 |
| - Circle (radius 20.00)   |           |          |          |          |        |               |            |                |                 |

| Casing Points  |                |                         |  |                 |               |
|----------------|----------------|-------------------------|--|-----------------|---------------|
| Measured Depth | Vertical Depth | Name                    |  | Casing Diameter | Hole Diameter |
| (ft)           | (ft)           |                         |  | (in)            | (in)          |
| 1,000.00       | 1,000.00       | Surf Csg at 1000 MD/TVD |  | 5.50            | 6.00          |

| Formations     |                |            |  |           |      |               |
|----------------|----------------|------------|--|-----------|------|---------------|
| Measured Depth | Vertical Depth | Name       |  | Lithology | Dip  | Dip Direction |
| (ft)           | (ft)           |            |  |           | (°)  | (°)           |
| 0.00           | 0.00           | Wasatch    |  |           | 0.00 |               |
| 4,649.61       | 4,350.00       | Mesaverde  |  |           | 0.00 |               |
| 5,431.25       | 5,110.00       | Price Coal |  |           | 0.00 |               |
| 6,331.25       | 6,010.00       | Top Gas    |  |           | 0.00 |               |
| 7,156.25       | 6,835.00       | Cameo      |  |           | 0.00 |               |
| 8,056.25       | 7,735.00       | Rollins    |  |           | 0.00 |               |

| Plan Annotations |                |                   |            |                                 |  |
|------------------|----------------|-------------------|------------|---------------------------------|--|
| Measured Depth   | Vertical Depth | Local Coordinates |            | Comment                         |  |
| (ft)             | (ft)           | +N/-S (ft)        | +E/-W (ft) |                                 |  |
| 1,500.00         | 1,500.00       | 0.00              | 0.00       | KOP 3°/100 at 1500 MD/TVD       |  |
| 2,445.49         | 2,407.34       | 188.04            | 131.21     | Hold 28° at 2445 MD/2407 TVD    |  |
| 4,485.76         | 4,202.66       | 982.95            | 685.87     | Drop 3°/100 at 4486 MD/4203 TVD |  |
| 5,431.25         | 5,110.00       | 1,171.00          | 817.08     | Vertical at 5431 MD/5110 MD     |  |
| 8,256.25         | 7,935.00       | 1,171.00          | 817.08     | TD at 8256 MD/7935 TVD          |  |