

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**Dixon SWNW-23-692**

**Dixon Federal 11C-23-692**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**04 August, 2011**

# Bill Barrett Corp

## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Dixon Federal 11C-23-692         |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 5815.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 5815.00ft (Original Well Elev) |
| <b>Site:</b>     | Dixon SWNW-23-692                  | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Dixon Federal 11C-23-692           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                       |
| <b>Design:</b>   | Design #1                          |                                     |                                       |

|                    |                                    |                      |                |
|--------------------|------------------------------------|----------------------|----------------|
| <b>Project</b>     | GARFIELD COUNTY, COLORADO NAD 1983 |                      |                |
| <b>Map System:</b> | US State Plane 1983                | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983          |                      |                |
| <b>Map Zone:</b>   | Colorado Central Zone              |                      |                |

|                              |                   |                          |                    |
|------------------------------|-------------------|--------------------------|--------------------|
| <b>Site</b>                  | Dixon SWNW-23-692 |                          |                    |
| <b>Site Position:</b>        |                   | <b>Northing:</b>         | 1,620,383.301 ft   |
| <b>From:</b>                 | Lat/Long          | <b>Easting:</b>          | 2,395,551.941 ft   |
| <b>Position Uncertainty:</b> | 0.00 ft           | <b>Slot Radius:</b>      | "                  |
|                              |                   | <b>Latitude:</b>         | 39° 31' 1.780 N    |
|                              |                   | <b>Longitude:</b>        | 107° 38' 33.9108 W |
|                              |                   | <b>Grid Convergence:</b> | -1.35 °            |

|                             |                          |            |                            |
|-----------------------------|--------------------------|------------|----------------------------|
| <b>Well</b>                 | Dixon Federal 11C-23-692 |            |                            |
| <b>Well Position</b>        | <b>+N/-S</b>             | -511.41 ft | <b>Northing:</b>           |
|                             | <b>+E/-W</b>             | 77.86 ft   | <b>Easting:</b>            |
| <b>Position Uncertainty</b> |                          | 0.00 ft    | <b>Wellhead Elevation:</b> |
|                             |                          |            | ft                         |
|                             |                          |            | <b>Latitude:</b>           |
|                             |                          |            | 39° 30' 56.725 N           |
|                             |                          |            | <b>Longitude:</b>          |
|                             |                          |            | 107° 38' 32.9172 W         |
|                             |                          |            | <b>Ground Level:</b>       |
|                             |                          |            | 0.00 ft                    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 12/31/2009         | 10.36                  | 65.87                | 52,483                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Design #1                    |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <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> |
|                          | 0.00                         | 0.00              | 0.00                 | 17.44                |

|                            |                        |                    |                            |                   |                   |                              |                             |                            |                |                    |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|--------------------|
| <b>Plan Sections</b>       |                        |                    |                            |                   |                   |                              |                             |                            |                |                    |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b> | <b>Target</b>      |
| 0.00                       | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                    |
| 800.00                     | 0.00                   | 0.00               | 800.00                     | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                    |
| 1,343.89                   | 13.60                  | 17.44              | 1,338.80                   | 61.28             | 19.26             | 2.50                         | 2.50                        | 0.00                       | 17.44          |                    |
| 4,894.61                   | 13.60                  | 17.44              | 4,790.00                   | 857.65            | 269.48            | 0.00                         | 0.00                        | 0.00                       | 0.00           |                    |
| 5,801.10                   | 0.00                   | 0.00               | 5,688.00                   | 959.79            | 301.58            | 1.50                         | -1.50                       | 0.00                       | 180.00         |                    |
| 7,801.10                   | 0.00                   | 0.00               | 7,688.00                   | 959.79            | 301.58            | 0.00                         | 0.00                        | 0.00                       | 0.00           | Dixon Federal 11C- |

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## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Dixon Federal 11C-23-692         |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 5815.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 5815.00ft (Original Well Elev) |
| <b>Site:</b>     | Dixon SWNW-23-692                  | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Dixon Federal 11C-23-692           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                       |
| <b>Design:</b>   | Design #1                          |                                     |                                       |

| Planned 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) |  |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 900.00              | 2.50            | 17.44       | 899.97              | 2.08       | 0.65       | 2.18                  | 2.50                  | 2.50                 | 0.00                |  |
| 1,000.00            | 5.00            | 17.44       | 999.75              | 8.32       | 2.61       | 8.72                  | 2.50                  | 2.50                 | 0.00                |  |
| 1,100.00            | 7.50            | 17.44       | 1,099.14            | 18.71      | 5.88       | 19.61                 | 2.50                  | 2.50                 | 0.00                |  |
| 1,200.00            | 10.00           | 17.44       | 1,197.97            | 33.22      | 10.44      | 34.82                 | 2.50                  | 2.50                 | 0.00                |  |
| 1,300.00            | 12.50           | 17.44       | 1,296.04            | 51.83      | 16.28      | 54.33                 | 2.50                  | 2.50                 | 0.00                |  |
| 1,343.89            | 13.60           | 17.44       | 1,338.80            | 61.28      | 19.26      | 64.24                 | 2.50                  | 2.50                 | 0.00                |  |
| 1,400.00            | 13.60           | 17.44       | 1,393.34            | 73.87      | 23.21      | 77.43                 | 0.00                  | 0.00                 | 0.00                |  |
| 1,500.00            | 13.60           | 17.44       | 1,490.53            | 96.29      | 30.26      | 100.94                | 0.00                  | 0.00                 | 0.00                |  |
| 1,600.00            | 13.60           | 17.44       | 1,587.73            | 118.72     | 37.30      | 124.45                | 0.00                  | 0.00                 | 0.00                |  |
| 1,700.00            | 13.60           | 17.44       | 1,684.93            | 141.15     | 44.35      | 147.95                | 0.00                  | 0.00                 | 0.00                |  |
| 1,800.00            | 13.60           | 17.44       | 1,782.13            | 163.58     | 51.40      | 171.46                | 0.00                  | 0.00                 | 0.00                |  |
| 1,900.00            | 13.60           | 17.44       | 1,879.32            | 186.01     | 58.45      | 194.97                | 0.00                  | 0.00                 | 0.00                |  |
| 2,000.00            | 13.60           | 17.44       | 1,976.52            | 208.44     | 65.49      | 218.48                | 0.00                  | 0.00                 | 0.00                |  |
| 2,100.00            | 13.60           | 17.44       | 2,073.72            | 230.87     | 72.54      | 241.99                | 0.00                  | 0.00                 | 0.00                |  |
| 2,200.00            | 13.60           | 17.44       | 2,170.91            | 253.29     | 79.59      | 265.50                | 0.00                  | 0.00                 | 0.00                |  |
| 2,300.00            | 13.60           | 17.44       | 2,268.11            | 275.72     | 86.64      | 289.01                | 0.00                  | 0.00                 | 0.00                |  |
| 2,400.00            | 13.60           | 17.44       | 2,365.31            | 298.15     | 93.68      | 312.52                | 0.00                  | 0.00                 | 0.00                |  |
| 2,500.00            | 13.60           | 17.44       | 2,462.51            | 320.58     | 100.73     | 336.03                | 0.00                  | 0.00                 | 0.00                |  |
| 2,600.00            | 13.60           | 17.44       | 2,559.70            | 343.01     | 107.78     | 359.54                | 0.00                  | 0.00                 | 0.00                |  |
| 2,700.00            | 13.60           | 17.44       | 2,656.90            | 365.44     | 114.82     | 383.05                | 0.00                  | 0.00                 | 0.00                |  |
| 2,800.00            | 13.60           | 17.44       | 2,754.10            | 387.86     | 121.87     | 406.56                | 0.00                  | 0.00                 | 0.00                |  |
| 2,900.00            | 13.60           | 17.44       | 2,851.29            | 410.29     | 128.92     | 430.07                | 0.00                  | 0.00                 | 0.00                |  |
| 3,000.00            | 13.60           | 17.44       | 2,948.49            | 432.72     | 135.97     | 453.58                | 0.00                  | 0.00                 | 0.00                |  |
| 3,100.00            | 13.60           | 17.44       | 3,045.69            | 455.15     | 143.01     | 477.09                | 0.00                  | 0.00                 | 0.00                |  |
| 3,200.00            | 13.60           | 17.44       | 3,142.89            | 477.58     | 150.06     | 500.60                | 0.00                  | 0.00                 | 0.00                |  |
| 3,300.00            | 13.60           | 17.44       | 3,240.08            | 500.01     | 157.11     | 524.11                | 0.00                  | 0.00                 | 0.00                |  |
| 3,400.00            | 13.60           | 17.44       | 3,337.28            | 522.44     | 164.16     | 547.62                | 0.00                  | 0.00                 | 0.00                |  |
| 3,500.00            | 13.60           | 17.44       | 3,434.48            | 544.86     | 171.20     | 571.13                | 0.00                  | 0.00                 | 0.00                |  |
| 3,600.00            | 13.60           | 17.44       | 3,531.67            | 567.29     | 178.25     | 594.64                | 0.00                  | 0.00                 | 0.00                |  |
| 3,700.00            | 13.60           | 17.44       | 3,628.87            | 589.72     | 185.30     | 618.15                | 0.00                  | 0.00                 | 0.00                |  |
| 3,800.00            | 13.60           | 17.44       | 3,726.07            | 612.15     | 192.34     | 641.66                | 0.00                  | 0.00                 | 0.00                |  |
| 3,900.00            | 13.60           | 17.44       | 3,823.27            | 634.58     | 199.39     | 665.17                | 0.00                  | 0.00                 | 0.00                |  |
| 4,000.00            | 13.60           | 17.44       | 3,920.46            | 657.01     | 206.44     | 688.68                | 0.00                  | 0.00                 | 0.00                |  |
| 4,100.00            | 13.60           | 17.44       | 4,017.66            | 679.44     | 213.49     | 712.19                | 0.00                  | 0.00                 | 0.00                |  |
| 4,200.00            | 13.60           | 17.44       | 4,114.86            | 701.86     | 220.53     | 735.70                | 0.00                  | 0.00                 | 0.00                |  |
| 4,300.00            | 13.60           | 17.44       | 4,212.06            | 724.29     | 227.58     | 759.21                | 0.00                  | 0.00                 | 0.00                |  |
| 4,400.00            | 13.60           | 17.44       | 4,309.25            | 746.72     | 234.63     | 782.72                | 0.00                  | 0.00                 | 0.00                |  |
| 4,500.00            | 13.60           | 17.44       | 4,406.45            | 769.15     | 241.68     | 806.22                | 0.00                  | 0.00                 | 0.00                |  |
| 4,600.00            | 13.60           | 17.44       | 4,503.65            | 791.58     | 248.72     | 829.73                | 0.00                  | 0.00                 | 0.00                |  |
| 4,700.00            | 13.60           | 17.44       | 4,600.84            | 814.01     | 255.77     | 853.24                | 0.00                  | 0.00                 | 0.00                |  |
| 4,800.00            | 13.60           | 17.44       | 4,698.04            | 836.44     | 262.82     | 876.75                | 0.00                  | 0.00                 | 0.00                |  |
| 4,894.61            | 13.60           | 17.44       | 4,790.00            | 857.65     | 269.48     | 899.00                | 0.00                  | 0.00                 | 0.00                |  |
| 4,900.00            | 13.52           | 17.44       | 4,795.24            | 858.86     | 269.86     | 900.26                | 1.50                  | -1.50                | 0.00                |  |
| 5,000.00            | 12.02           | 17.44       | 4,892.76            | 879.94     | 276.49     | 922.36                | 1.50                  | -1.50                | 0.00                |  |

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## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Dixon Federal 11C-23-692         |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 5815.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 5815.00ft (Original Well Elev) |
| <b>Site:</b>     | Dixon SWNW-23-692                  | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Dixon Federal 11C-23-692           | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                       |
| <b>Design:</b>   | Design #1                          |                                     |                                       |

| Planned 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) |  |
| 5,100.00            | 10.52           | 17.44       | 4,990.83            | 898.58     | 282.34     | 941.89                | 1.50                  | -1.50                | 0.00                |  |
| 5,200.00            | 9.02            | 17.44       | 5,089.38            | 914.76     | 287.43     | 958.86                | 1.50                  | -1.50                | 0.00                |  |
| 5,300.00            | 7.52            | 17.44       | 5,188.34            | 928.48     | 291.74     | 973.23                | 1.50                  | -1.50                | 0.00                |  |
| 5,400.00            | 6.02            | 17.44       | 5,287.64            | 939.72     | 295.27     | 985.02                | 1.50                  | -1.50                | 0.00                |  |
| 5,500.00            | 4.52            | 17.44       | 5,387.22            | 948.47     | 298.02     | 994.19                | 1.50                  | -1.50                | 0.00                |  |
| 5,600.00            | 3.02            | 17.44       | 5,487.00            | 954.74     | 299.99     | 1,000.76              | 1.50                  | -1.50                | 0.00                |  |
| 5,700.00            | 1.52            | 17.44       | 5,586.92            | 958.51     | 301.18     | 1,004.72              | 1.50                  | -1.50                | 0.00                |  |
| 5,800.00            | 0.02            | 17.44       | 5,686.90            | 959.79     | 301.58     | 1,006.05              | 1.50                  | -1.50                | 0.00                |  |
| 5,801.10            | 0.00            | 0.00        | 5,688.00            | 959.79     | 301.58     | 1,006.05              | 1.50                  | -1.50                | 0.00                |  |
| 5,900.00            | 0.00            | 0.00        | 5,786.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,000.00            | 0.00            | 0.00        | 5,886.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,100.00            | 0.00            | 0.00        | 5,986.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,200.00            | 0.00            | 0.00        | 6,086.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,300.00            | 0.00            | 0.00        | 6,186.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,400.00            | 0.00            | 0.00        | 6,286.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,500.00            | 0.00            | 0.00        | 6,386.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,600.00            | 0.00            | 0.00        | 6,486.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,700.00            | 0.00            | 0.00        | 6,586.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,800.00            | 0.00            | 0.00        | 6,686.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 6,900.00            | 0.00            | 0.00        | 6,786.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,000.00            | 0.00            | 0.00        | 6,886.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,100.00            | 0.00            | 0.00        | 6,986.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,200.00            | 0.00            | 0.00        | 7,086.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,300.00            | 0.00            | 0.00        | 7,186.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,400.00            | 0.00            | 0.00        | 7,286.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,500.00            | 0.00            | 0.00        | 7,386.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,600.00            | 0.00            | 0.00        | 7,486.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,700.00            | 0.00            | 0.00        | 7,586.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,800.00            | 0.00            | 0.00        | 7,686.90            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |
| 7,801.10            | 0.00            | 0.00        | 7,688.00            | 959.79     | 301.58     | 1,006.05              | 0.00                  | 0.00                 | 0.00                |  |

| Casing Points       |                     |        |                     |                   |  |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name   | Casing Diameter (") | Hole Diameter (") |  |
| 780.00              | 780.00              | 9 5/8" | 9-5/8               | 12-1/4            |  |

| Formations          |                     |            |           |         |                   |  |
|---------------------|---------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name       | Lithology | Dip (°) | Dip Direction (°) |  |
| 3,832.85            | 3,758.00            | Mesaverde  |           | 0.00    |                   |  |
| 4,769.09            | 4,668.00            | Price Coal |           | 0.00    |                   |  |
| 5,550.92            | 5,438.00            | Top Gas    |           | 0.00    |                   |  |
| 7,501.10            | 7,388.00            | Rollins    |           | 0.00    |                   |  |
| 7,801.10            | 7,688.00            | TD         |           | 0.00    |                   |  |

# WELL DETAILS: Federal 11C-26-692

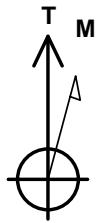
|       |       |             |               |                 |                   |      |
|-------|-------|-------------|---------------|-----------------|-------------------|------|
|       |       |             | Ground Level: | 0.00            |                   |      |
| +N/-S | +E/-W | Northing    | Easting       | Latitude        | Longitude         | Slot |
| 0.00  | 0.00  | 1614932.963 | 2396825.317   | 39° 30' 8.222 N | 07° 38' 16.0296 W |      |

## SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W   | DLeg | TFace  | VSec    | Target                 |
|-----|---------|-------|--------|---------|--------|---------|------|--------|---------|------------------------|
| 1   | 0.00    | 0.00  | 0.00   | 0.00    | 0.00   | 0.00    | 0.00 | 0.00   | 0.00    |                        |
| 2   | 800.00  | 0.00  | 0.00   | 800.00  | 0.00   | 0.00    | 0.00 | 0.00   | 0.00    |                        |
| 3   | 1446.36 | 16.16 | 303.51 | 1437.82 | 49.99  | -75.49  | 2.50 | 303.51 | 90.54   |                        |
| 4   | 4751.06 | 16.16 | 303.51 | 4611.97 | 557.78 | -842.30 | 0.00 | 0.00   | 1010.24 |                        |
| 5   | 5828.31 | 0.00  | 0.00   | 5675.00 | 641.10 | -968.12 | 1.50 | 180.00 | 1161.15 |                        |
| 6   | 7828.31 | 0.00  | 0.00   | 7675.00 | 641.10 | -968.12 | 0.00 | 0.00   | 1161.15 | Carter 11C-26-692 (TD) |

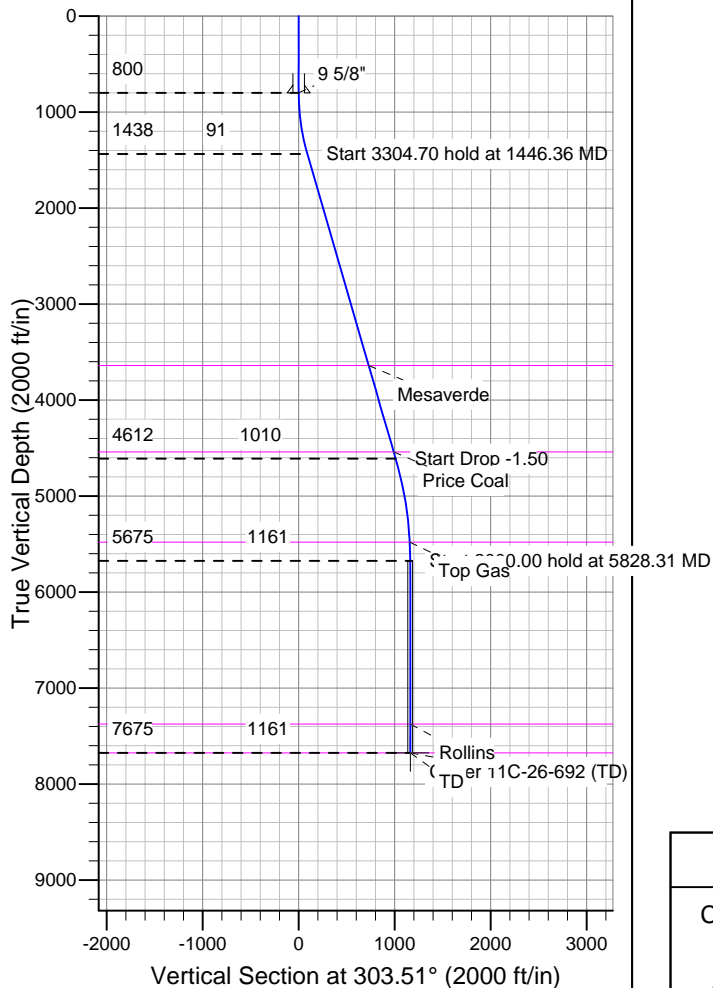
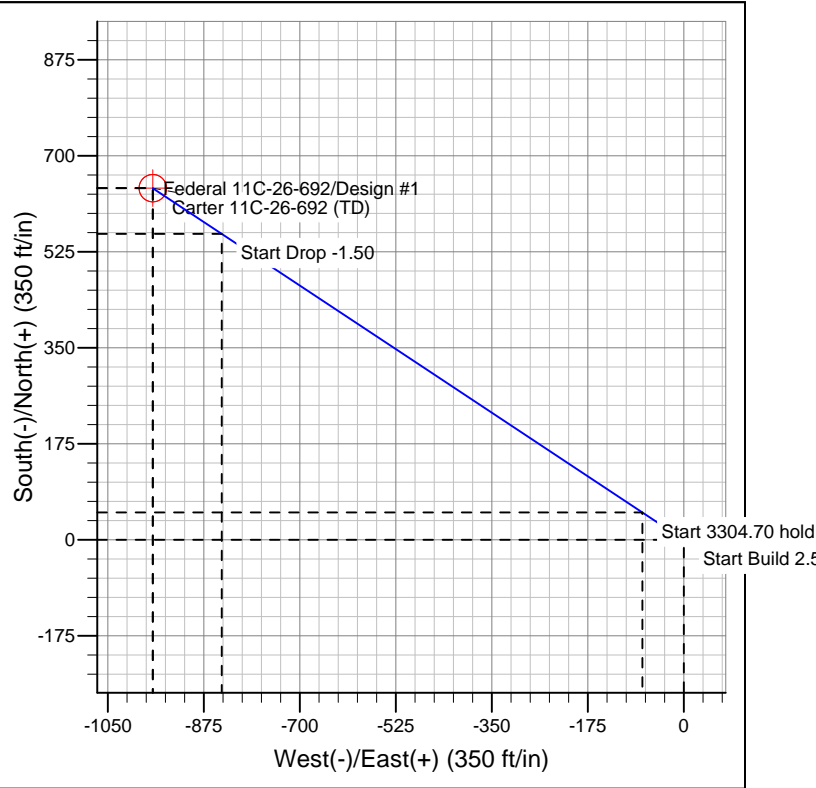
## WELLBORE TARGET DETAILS

| Name                   | TVD     | +N/-S  | +E/-W   | Shape                  |
|------------------------|---------|--------|---------|------------------------|
| Carter 11C-26-692 (TD) | 7675.00 | 641.10 | -968.12 | Circle (Radius: 25.00) |



Azimuths to True North  
Magnetic North: 10.36°

Magnetic Field  
Strength: 52474.5nT  
Dip Angle: 65.86°  
Date: 12/31/2009  
Model: IGRF200510



## FORMATION TOP DETAILS

| TVDPath | MDPath  | Formation  |
|---------|---------|------------|
| 3640.00 | 3739.11 | Mesaverde  |
| 4540.00 | 4676.13 | Price Coal |
| 5480.00 | 5633.23 | Top Gas    |
| 7375.00 | 7528.31 | Rollins    |
| 7675.00 | 7828.31 | TD         |

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 11C-26-692, True North  
Vertical (TVD) Reference: WELL @ 6057.00ft (Original Well Elev)  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: WELL @ 6057.00ft (Original Well Elev)  
Calculation Method: Minimum Curvature