

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**MDP #13**

**Jolley 42B-20-691**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**15 April, 2010**

# BBC

## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Jolley 42B-20-691                |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 6453.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 6453.00ft (Original Well Elev) |
| <b>Site:</b>     | MDP #13                            | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Jolley 42B-20-691                  | <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>                  | MDP #13  |                          |                    |
| <b>Site Position:</b>        |          | <b>Northing:</b>         | 1,618,522.157 ft   |
| <b>From:</b>                 | Lat/Long | <b>Easting:</b>          | 2,414,645.051 ft   |
| <b>Position Uncertainty:</b> | 0.00 ft  | <b>Slot Radius:</b>      | "                  |
|                              |          | <b>Latitude:</b>         | 39° 30' 47.770 N   |
|                              |          | <b>Longitude:</b>        | 107° 34' 29.7900 W |
|                              |          | <b>Grid Convergence:</b> | -1.31 °            |

|                             |                   |          |                            |
|-----------------------------|-------------------|----------|----------------------------|
| <b>Well</b>                 | Jolley 42B-20-691 |          |                            |
| <b>Well Position</b>        | <b>+N/-S</b>      | 16.17 ft | <b>Northing:</b>           |
|                             | <b>+E/-W</b>      | 2.35 ft  | <b>Easting:</b>            |
| <b>Position Uncertainty</b> |                   | 0.00 ft  | <b>Wellhead Elevation:</b> |
|                             |                   |          | <b>Latitude:</b>           |
|                             |                   |          | <b>Longitude:</b>          |
|                             |                   |          | <b>Ground Level:</b>       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                  | BGGM2007          | 4/15/2010          | 10.38                  | 65.85                | 52,456                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <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                 | 63.17                |

|                            |                        |                    |                            |                   |                   |                              |                             |                            |                |                     |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|---------------------|
| <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           |                     |
| 790.00                     | 0.00                   | 0.00               | 790.00                     | 0.00              | 0.00              | 0.00                         | 0.00                        | 0.00                       | 0.00           |                     |
| 1,856.55                   | 26.66                  | 63.17              | 1,818.46                   | 109.99            | 217.49            | 2.50                         | 2.50                        | 0.00                       | 63.17          |                     |
| 3,091.28                   | 26.66                  | 63.17              | 2,921.89                   | 360.05            | 711.94            | 0.00                         | 0.00                        | 0.00                       | 0.00           |                     |
| 4,868.86                   | 0.00                   | 0.00               | 4,636.00                   | 543.37            | 1,074.43          | 1.50                         | -1.50                       | 0.00                       | 180.00         |                     |
| 7,868.86                   | 0.00                   | 0.00               | 7,636.00                   | 543.37            | 1,074.43          | 0.00                         | 0.00                        | 0.00                       | 0.00           | Jolley 42B-20-691 ( |

# BBC

## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Jolley 42B-20-691                |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 6453.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 6453.00ft (Original Well Elev) |
| <b>Site:</b>     | MDP #13                            | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Jolley 42B-20-691                  | <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                |
| 790.00              | 0.00            | 0.00        | 790.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 9 5/8"              |                 |             |                     |            |            |                       |                       |                      |                     |
| 800.00              | 0.25            | 63.17       | 800.00              | 0.01       | 0.02       | 0.02                  | 2.50                  | 2.50                 | 0.00                |
| 900.00              | 2.75            | 63.17       | 899.96              | 1.19       | 2.36       | 2.64                  | 2.50                  | 2.50                 | 0.00                |
| 1,000.00            | 5.25            | 63.17       | 999.71              | 4.34       | 8.58       | 9.61                  | 2.50                  | 2.50                 | 0.00                |
| 1,100.00            | 7.75            | 63.17       | 1,099.06            | 9.45       | 18.68      | 20.93                 | 2.50                  | 2.50                 | 0.00                |
| 1,200.00            | 10.25           | 63.17       | 1,197.82            | 16.51      | 32.64      | 36.58                 | 2.50                  | 2.50                 | 0.00                |
| 1,300.00            | 12.75           | 63.17       | 1,295.80            | 25.50      | 50.43      | 56.51                 | 2.50                  | 2.50                 | 0.00                |
| 1,400.00            | 15.25           | 63.17       | 1,392.82            | 36.42      | 72.02      | 80.70                 | 2.50                  | 2.50                 | 0.00                |
| 1,500.00            | 17.75           | 63.17       | 1,488.70            | 49.24      | 97.36      | 109.10                | 2.50                  | 2.50                 | 0.00                |
| 1,600.00            | 20.25           | 63.17       | 1,583.24            | 63.93      | 126.41     | 141.65                | 2.50                  | 2.50                 | 0.00                |
| 1,700.00            | 22.75           | 63.17       | 1,676.28            | 80.47      | 159.11     | 178.30                | 2.50                  | 2.50                 | 0.00                |
| 1,800.00            | 25.25           | 63.17       | 1,767.62            | 98.82      | 195.40     | 218.97                | 2.50                  | 2.50                 | 0.00                |
| 1,856.55            | 26.66           | 63.17       | 1,818.46            | 109.99     | 217.49     | 243.72                | 2.50                  | 2.50                 | 0.00                |
| 1,900.00            | 26.66           | 63.17       | 1,857.30            | 118.79     | 234.89     | 263.22                | 0.00                  | 0.00                 | 0.00                |
| 2,000.00            | 26.66           | 63.17       | 1,946.66            | 139.04     | 274.94     | 308.10                | 0.00                  | 0.00                 | 0.00                |
| 2,100.00            | 26.66           | 63.17       | 2,036.03            | 159.30     | 314.98     | 352.97                | 0.00                  | 0.00                 | 0.00                |
| 2,200.00            | 26.66           | 63.17       | 2,125.39            | 179.55     | 355.03     | 397.85                | 0.00                  | 0.00                 | 0.00                |
| 2,300.00            | 26.66           | 63.17       | 2,214.76            | 199.80     | 395.07     | 442.72                | 0.00                  | 0.00                 | 0.00                |
| 2,400.00            | 26.66           | 63.17       | 2,304.13            | 220.05     | 435.12     | 487.60                | 0.00                  | 0.00                 | 0.00                |
| 2,500.00            | 26.66           | 63.17       | 2,393.49            | 240.30     | 475.16     | 532.47                | 0.00                  | 0.00                 | 0.00                |
| 2,600.00            | 26.66           | 63.17       | 2,482.86            | 260.56     | 515.21     | 577.35                | 0.00                  | 0.00                 | 0.00                |
| 2,700.00            | 26.66           | 63.17       | 2,572.22            | 280.81     | 555.25     | 622.22                | 0.00                  | 0.00                 | 0.00                |
| 2,800.00            | 26.66           | 63.17       | 2,661.59            | 301.06     | 595.30     | 667.10                | 0.00                  | 0.00                 | 0.00                |
| 2,900.00            | 26.66           | 63.17       | 2,750.95            | 321.31     | 635.35     | 711.97                | 0.00                  | 0.00                 | 0.00                |
| 3,000.00            | 26.66           | 63.17       | 2,840.32            | 341.56     | 675.39     | 756.85                | 0.00                  | 0.00                 | 0.00                |
| 3,091.28            | 26.66           | 63.17       | 2,921.89            | 360.05     | 711.94     | 797.81                | 0.00                  | 0.00                 | 0.00                |
| 3,100.00            | 26.53           | 63.17       | 2,929.69            | 361.81     | 715.43     | 801.71                | 1.50                  | -1.50                | 0.00                |
| 3,200.00            | 25.03           | 63.17       | 3,019.73            | 381.44     | 754.24     | 845.21                | 1.50                  | -1.50                | 0.00                |
| 3,300.00            | 23.53           | 63.17       | 3,110.88            | 400.00     | 790.94     | 886.33                | 1.50                  | -1.50                | 0.00                |
| 3,400.00            | 22.03           | 63.17       | 3,203.08            | 417.48     | 825.49     | 925.05                | 1.50                  | -1.50                | 0.00                |
| 3,500.00            | 20.53           | 63.17       | 3,296.25            | 433.86     | 857.88     | 961.35                | 1.50                  | -1.50                | 0.00                |
| 3,600.00            | 19.03           | 63.17       | 3,390.35            | 449.13     | 888.09     | 995.20                | 1.50                  | -1.50                | 0.00                |
| 3,700.00            | 17.53           | 63.17       | 3,485.30            | 463.29     | 916.08     | 1,026.57              | 1.50                  | -1.50                | 0.00                |
| 3,800.00            | 16.03           | 63.17       | 3,581.04            | 476.32     | 941.85     | 1,055.44              | 1.50                  | -1.50                | 0.00                |
| 3,900.00            | 14.53           | 63.17       | 3,677.50            | 488.21     | 965.37     | 1,081.80              | 1.50                  | -1.50                | 0.00                |
| 4,000.00            | 13.03           | 63.17       | 3,774.62            | 498.96     | 986.63     | 1,105.62              | 1.50                  | -1.50                | 0.00                |
| 4,001.42            | 13.01           | 63.17       | 3,776.00            | 499.11     | 986.91     | 1,105.94              | 1.50                  | -1.50                | 0.00                |
| Mesaverde           |                 |             |                     |            |            |                       |                       |                      |                     |
| 4,100.00            | 11.53           | 63.17       | 3,872.32            | 508.56     | 1,005.61   | 1,126.89              | 1.50                  | -1.50                | 0.00                |
| 4,200.00            | 10.03           | 63.17       | 3,970.56            | 517.01     | 1,022.30   | 1,145.60              | 1.50                  | -1.50                | 0.00                |
| 4,300.00            | 8.53            | 63.17       | 4,069.24            | 524.29     | 1,036.70   | 1,161.73              | 1.50                  | -1.50                | 0.00                |
| 4,400.00            | 7.03            | 63.17       | 4,168.32            | 530.40     | 1,048.78   | 1,175.27              | 1.50                  | -1.50                | 0.00                |
| 4,500.00            | 5.53            | 63.17       | 4,267.72            | 535.34     | 1,058.55   | 1,186.22              | 1.50                  | -1.50                | 0.00                |
| 4,600.00            | 4.03            | 63.17       | 4,367.36            | 539.10     | 1,065.99   | 1,194.55              | 1.50                  | -1.50                | 0.00                |

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## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Jolley 42B-20-691                |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 6453.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 6453.00ft (Original Well Elev) |
| <b>Site:</b>     | MDP #13                            | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Jolley 42B-20-691                  | <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) |
| 4,700.00            | 2.53            | 63.17       | 4,467.20            | 541.68     | 1,071.10   | 1,200.28              | 1.50                  | -1.50                | 0.00                |
| 4,800.00            | 1.03            | 63.17       | 4,567.15            | 543.09     | 1,073.87   | 1,203.39              | 1.50                  | -1.50                | 0.00                |
| 4,853.86            | 0.23            | 63.17       | 4,621.00            | 543.35     | 1,074.40   | 1,203.98              | 1.50                  | -1.50                | 0.00                |
| Price Coal          |                 |             |                     |            |            |                       |                       |                      |                     |
| 4,868.86            | 0.00            | 0.00        | 4,636.00            | 543.37     | 1,074.43   | 1,204.01              | 1.50                  | -1.50                | 0.00                |
| 4,900.00            | 0.00            | 0.00        | 4,667.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 4,958.86            | 0.00            | 0.00        | 4,726.00            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| Top Gas             |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,000.00            | 0.00            | 0.00        | 4,767.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,100.00            | 0.00            | 0.00        | 4,867.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,200.00            | 0.00            | 0.00        | 4,967.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,300.00            | 0.00            | 0.00        | 5,067.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,400.00            | 0.00            | 0.00        | 5,167.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,500.00            | 0.00            | 0.00        | 5,267.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,600.00            | 0.00            | 0.00        | 5,367.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,700.00            | 0.00            | 0.00        | 5,467.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,800.00            | 0.00            | 0.00        | 5,567.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 5,900.00            | 0.00            | 0.00        | 5,667.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,000.00            | 0.00            | 0.00        | 5,767.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,100.00            | 0.00            | 0.00        | 5,867.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,200.00            | 0.00            | 0.00        | 5,967.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,300.00            | 0.00            | 0.00        | 6,067.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,400.00            | 0.00            | 0.00        | 6,167.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,500.00            | 0.00            | 0.00        | 6,267.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,600.00            | 0.00            | 0.00        | 6,367.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,700.00            | 0.00            | 0.00        | 6,467.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,800.00            | 0.00            | 0.00        | 6,567.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 6,900.00            | 0.00            | 0.00        | 6,667.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,000.00            | 0.00            | 0.00        | 6,767.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,100.00            | 0.00            | 0.00        | 6,867.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,200.00            | 0.00            | 0.00        | 6,967.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,300.00            | 0.00            | 0.00        | 7,067.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,400.00            | 0.00            | 0.00        | 7,167.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,500.00            | 0.00            | 0.00        | 7,267.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,568.86            | 0.00            | 0.00        | 7,336.00            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| Rollins             |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,600.00            | 0.00            | 0.00        | 7,367.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,700.00            | 0.00            | 0.00        | 7,467.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,800.00            | 0.00            | 0.00        | 7,567.14            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| 7,868.86            | 0.00            | 0.00        | 7,636.00            | 543.37     | 1,074.43   | 1,204.01              | 0.00                  | 0.00                 | 0.00                |
| TD                  |                 |             |                     |            |            |                       |                       |                      |                     |

| Casing Points       |                     |        |  |                     |                   |
|---------------------|---------------------|--------|--|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name   |  | Casing Diameter (") | Hole Diameter (") |
| 790.00              | 790.00              | 9 5/8" |  | 9-5/8               | 12-1/4            |

# BBC

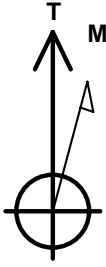
## Planning Report

|                  |                                    |                                     |                                       |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | Compass                            | <b>Local Co-ordinate Reference:</b> | Well Jolley 42B-20-691                |
| <b>Company:</b>  | BILL BARRETT CORP                  | <b>TVD Reference:</b>               | WELL @ 6453.00ft (Original Well Elev) |
| <b>Project:</b>  | GARFIELD COUNTY, COLORADO NAD 1983 | <b>MD Reference:</b>                | WELL @ 6453.00ft (Original Well Elev) |
| <b>Site:</b>     | MDP #13                            | <b>North Reference:</b>             | True                                  |
| <b>Well:</b>     | Jolley 42B-20-691                  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                       |
| <b>Design:</b>   | Design #1                          |                                     |                                       |

| Formations          |                     |            |           |         |                   |  |
|---------------------|---------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name       | Lithology | Dip (°) | Dip Direction (°) |  |
| 4,001.42            | 3,776.00            | Mesaverde  |           | 0.00    |                   |  |
| 4,853.86            | 4,621.00            | Price Coal |           | 0.00    |                   |  |
| 4,958.86            | 4,726.00            | Top Gas    |           | 0.00    |                   |  |
| 7,568.86            | 7,336.00            | Rollins    |           | 0.00    |                   |  |
| 7,868.86            | 7,636.00            | TD         |           | 0.00    |                   |  |

## WELL DETAILS: Jolley 42B-20-691

Ground Level: 0.00  
 +N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.00 0.00 1618538.270 2414647.391 30° 47' 30" N 104° 29' 7600 W



Azimuths to True North  
 Magnetic North: 10.38°

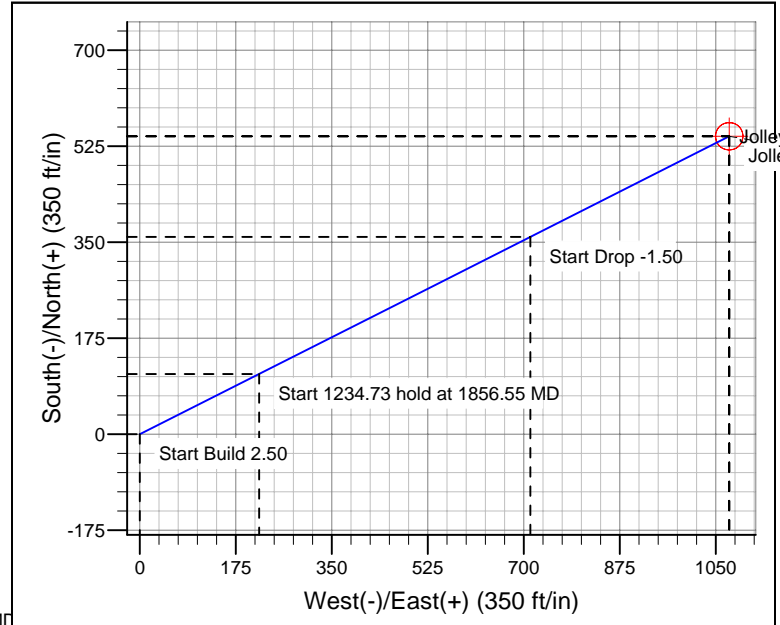
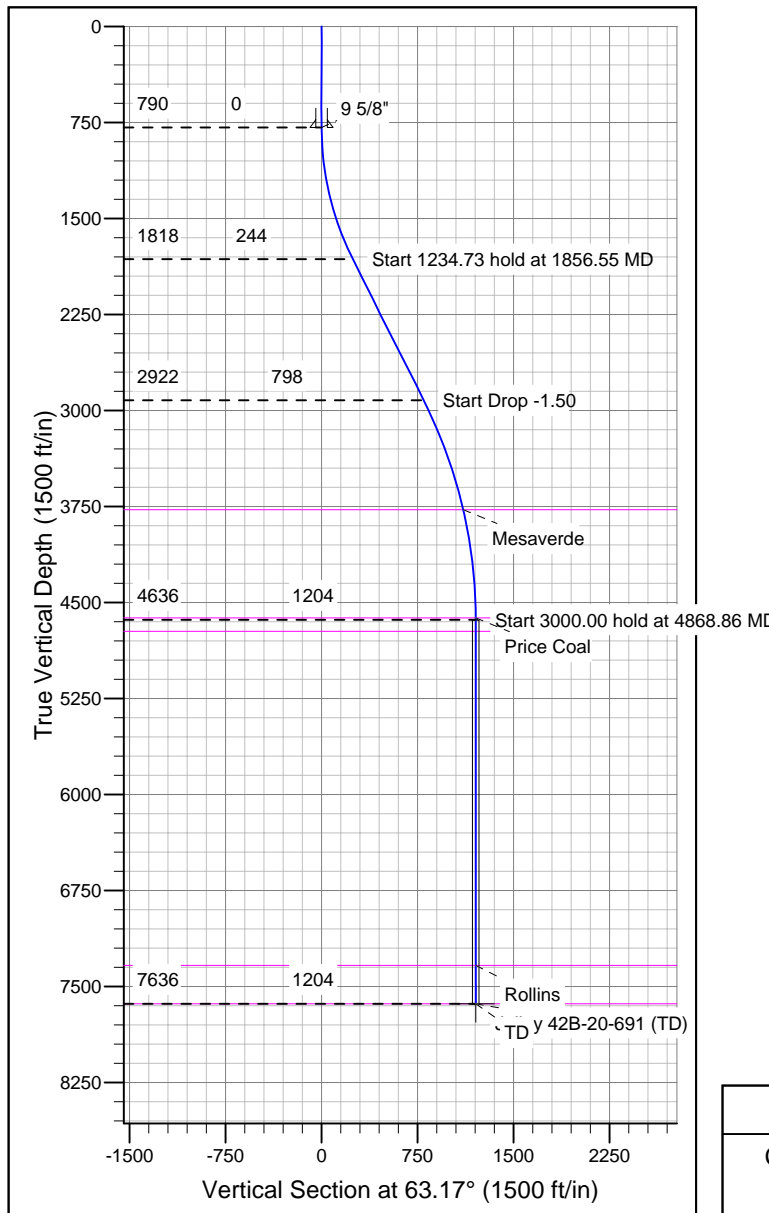
Magnetic Field  
 Strength: 52456.0snT  
 Dip Angle: 65.85°  
 Date: 4/15/2010  
 Model: BGGM2007

## 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   | 790.00  | 0.00  | 0.00  | 790.00  | 0.00   | 0.00    | 0.00 | 0.00   | 0.00   |                        |
| 3   | 1856.55 | 26.66 | 63.17 | 1818.46 | 109.99 | 217.49  | 2.50 | 63.17  | 243.72 |                        |
| 4   | 2921.28 | 26.66 | 63.17 | 2921.89 | 360.05 | 711.94  | 0.00 | 0.00   | 797.81 |                        |
| 5   | 4636.86 | 0.00  | 0.00  | 4636.00 | 543.37 | 1074.43 | 1.50 | 180.00 | 204.01 |                        |
| 6   | 7636.86 | 0.00  | 0.00  | 7636.00 | 543.37 | 1074.43 | 0.00 | 0.00   | 204.01 | Jolley 42B-20-691 (TD) |

## WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape  
 Jolley 42B-20-691 (TD) 7636.86 543.37 1074.43 Circle (Radius: 25.00)



## CASING DETAILS

TVD MD Name Size  
 790.00 790.00 9 5/8" 9-5/8"

## FORMATION TOP DETAILS

TVDPatMDPath Formation  
 3776.00 4001.42 Mesaverde  
 4621.00 4853.86 Price Coal  
 4726.00 4958.86 Top Gas  
 7336.00 7568.86 Rollins  
 7636.00 7868.86 TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Jolley 42B-20-691, True North  
 Vertical (TVD) Reference: WELL @ 6453.00ft (Original Well Elev)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 6453.00ft (Original Well Elev)  
 Calculation Method: Minimum Curvature