

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 13C-34-691

Wellbore #1

Plan: Design #1

Standard Planning Report

18 November, 2010

BBC

Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Federal 13C-34-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Site: | MDP #26 | North Reference: | True |
| Well: | Federal 13C-34-691 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

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

| | | | |
|------------------------------|----------|--------------------------|-------------------|
| Site | MDP #26 | | |
| Site Position: | | Northing: | 1,605,944.154 ft |
| From: | Lat/Long | Easting: | 2,420,639.729 ft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | " |
| | | Latitude: | 39° 28' 44.832 N |
| | | Longitude: | 107° 33' 9.6912 W |
| | | Grid Convergence: | -1.29 ° |

| | | | |
|-----------------------------|--------------------|-----------|----------------------------|
| Well | Federal 13C-34-691 | | |
| Well Position | +N/-S | 5.45 ft | Northing: |
| | +E/-W | -39.52 ft | Easting: |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: |
| | | | ft |
| | | | Latitude: |
| | | | 39° 28' 44.886 N |
| | | | Longitude: |
| | | | 107° 33' 10.1952 W |
| | | | Ground Level: |
| | | | 0.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2007 | 10/25/2010 | 10.30 | 65.80 | 52,327 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Design #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 45.75 |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|--------------------|
| Plan Sections | | | | | | | | | | |
| 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 | |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,176.79 | 34.42 | 45.75 | 2,095.46 | 280.00 | 287.41 | 2.50 | 2.50 | 0.00 | 45.75 | |
| 4,299.95 | 34.42 | 45.75 | 3,846.89 | 1,117.46 | 1,147.03 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,594.60 | 0.00 | 0.00 | 6,006.00 | 1,584.14 | 1,626.05 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 8,594.60 | 0.00 | 0.00 | 8,006.00 | 1,584.14 | 1,626.05 | 0.00 | 0.00 | 0.00 | 0.00 | Federal 13C-34-691 |

BBC

Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Federal 13C-34-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Site: | MDP #26 | North Reference: | True |
| Well: | Federal 13C-34-691 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | 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 | 45.75 | 899.97 | 1.52 | 1.56 | 2.18 | 2.50 | 2.50 | 0.00 | |
| 1,000.00 | 5.00 | 45.75 | 999.75 | 6.09 | 6.25 | 8.72 | 2.50 | 2.50 | 0.00 | |
| 1,100.00 | 7.50 | 45.75 | 1,099.14 | 13.68 | 14.04 | 19.61 | 2.50 | 2.50 | 0.00 | |
| 1,200.00 | 10.00 | 45.75 | 1,197.97 | 24.30 | 24.94 | 34.82 | 2.50 | 2.50 | 0.00 | |
| 1,300.00 | 12.50 | 45.75 | 1,296.04 | 37.91 | 38.91 | 54.33 | 2.50 | 2.50 | 0.00 | |
| 1,400.00 | 15.00 | 45.75 | 1,393.17 | 54.49 | 55.94 | 78.09 | 2.50 | 2.50 | 0.00 | |
| 1,500.00 | 17.50 | 45.75 | 1,489.17 | 74.02 | 75.98 | 106.07 | 2.50 | 2.50 | 0.00 | |
| 1,600.00 | 20.00 | 45.75 | 1,583.85 | 96.45 | 99.00 | 138.21 | 2.50 | 2.50 | 0.00 | |
| 1,700.00 | 22.50 | 45.75 | 1,677.05 | 121.74 | 124.96 | 174.45 | 2.50 | 2.50 | 0.00 | |
| 1,800.00 | 25.00 | 45.75 | 1,768.57 | 149.84 | 153.80 | 214.73 | 2.50 | 2.50 | 0.00 | |
| 1,900.00 | 27.50 | 45.75 | 1,858.25 | 180.70 | 185.48 | 258.95 | 2.50 | 2.50 | 0.00 | |
| 2,000.00 | 30.00 | 45.75 | 1,945.92 | 214.26 | 219.93 | 307.05 | 2.50 | 2.50 | 0.00 | |
| 2,100.00 | 32.50 | 45.75 | 2,031.40 | 250.46 | 257.09 | 358.92 | 2.50 | 2.50 | 0.00 | |
| 2,176.79 | 34.42 | 45.75 | 2,095.46 | 280.00 | 287.41 | 401.26 | 2.50 | 2.50 | 0.00 | |
| 2,200.00 | 34.42 | 45.75 | 2,114.61 | 289.16 | 296.81 | 414.38 | 0.00 | 0.00 | 0.00 | |
| 2,300.00 | 34.42 | 45.75 | 2,197.10 | 328.60 | 337.30 | 470.90 | 0.00 | 0.00 | 0.00 | |
| 2,400.00 | 34.42 | 45.75 | 2,279.59 | 368.05 | 377.78 | 527.43 | 0.00 | 0.00 | 0.00 | |
| 2,500.00 | 34.42 | 45.75 | 2,362.08 | 407.49 | 418.27 | 583.95 | 0.00 | 0.00 | 0.00 | |
| 2,600.00 | 34.42 | 45.75 | 2,444.57 | 446.93 | 458.76 | 640.48 | 0.00 | 0.00 | 0.00 | |
| 2,700.00 | 34.42 | 45.75 | 2,527.07 | 486.38 | 499.25 | 697.00 | 0.00 | 0.00 | 0.00 | |
| 2,800.00 | 34.42 | 45.75 | 2,609.56 | 525.82 | 539.73 | 753.53 | 0.00 | 0.00 | 0.00 | |
| 2,900.00 | 34.42 | 45.75 | 2,692.05 | 565.27 | 580.22 | 810.05 | 0.00 | 0.00 | 0.00 | |
| 3,000.00 | 34.42 | 45.75 | 2,774.54 | 604.71 | 620.71 | 866.58 | 0.00 | 0.00 | 0.00 | |
| 3,100.00 | 34.42 | 45.75 | 2,857.03 | 644.15 | 661.20 | 923.10 | 0.00 | 0.00 | 0.00 | |
| 3,200.00 | 34.42 | 45.75 | 2,939.53 | 683.60 | 701.69 | 979.63 | 0.00 | 0.00 | 0.00 | |
| 3,300.00 | 34.42 | 45.75 | 3,022.02 | 723.04 | 742.17 | 1,036.15 | 0.00 | 0.00 | 0.00 | |
| 3,400.00 | 34.42 | 45.75 | 3,104.51 | 762.49 | 782.66 | 1,092.68 | 0.00 | 0.00 | 0.00 | |
| 3,500.00 | 34.42 | 45.75 | 3,187.00 | 801.93 | 823.15 | 1,149.20 | 0.00 | 0.00 | 0.00 | |
| 3,600.00 | 34.42 | 45.75 | 3,269.49 | 841.37 | 863.64 | 1,205.73 | 0.00 | 0.00 | 0.00 | |
| 3,700.00 | 34.42 | 45.75 | 3,351.99 | 880.82 | 904.12 | 1,262.25 | 0.00 | 0.00 | 0.00 | |
| 3,800.00 | 34.42 | 45.75 | 3,434.48 | 920.26 | 944.61 | 1,318.78 | 0.00 | 0.00 | 0.00 | |
| 3,900.00 | 34.42 | 45.75 | 3,516.97 | 959.71 | 985.10 | 1,375.30 | 0.00 | 0.00 | 0.00 | |
| 4,000.00 | 34.42 | 45.75 | 3,599.46 | 999.15 | 1,025.59 | 1,431.83 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 34.42 | 45.75 | 3,681.95 | 1,038.59 | 1,066.07 | 1,488.35 | 0.00 | 0.00 | 0.00 | |
| 4,200.00 | 34.42 | 45.75 | 3,764.45 | 1,078.04 | 1,106.56 | 1,544.88 | 0.00 | 0.00 | 0.00 | |
| 4,214.01 | 34.42 | 45.75 | 3,776.00 | 1,083.56 | 1,112.23 | 1,552.80 | 0.00 | 0.00 | 0.00 | |
| Mesaverde | | | | | | | | | | |
| 4,299.95 | 34.42 | 45.75 | 3,846.89 | 1,117.46 | 1,147.03 | 1,601.37 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 34.42 | 45.75 | 3,846.94 | 1,117.48 | 1,147.05 | 1,601.40 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 32.92 | 45.75 | 3,930.16 | 1,156.17 | 1,186.76 | 1,656.84 | 1.50 | -1.50 | 0.00 | |
| 4,500.00 | 31.42 | 45.75 | 4,014.81 | 1,193.32 | 1,224.89 | 1,710.08 | 1.50 | -1.50 | 0.00 | |
| 4,600.00 | 29.92 | 45.75 | 4,100.82 | 1,228.91 | 1,261.43 | 1,761.09 | 1.50 | -1.50 | 0.00 | |
| 4,700.00 | 28.42 | 45.75 | 4,188.13 | 1,262.92 | 1,296.34 | 1,809.82 | 1.50 | -1.50 | 0.00 | |
| 4,800.00 | 26.92 | 45.75 | 4,276.69 | 1,295.33 | 1,329.60 | 1,856.26 | 1.50 | -1.50 | 0.00 | |

BBC

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|------------------|------------------------------------|-------------------------------------|---------------------------------------|
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| Site: | MDP #26 | North Reference: | True |
| Well: | Federal 13C-34-691 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | 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) |
| 4,900.00 | 25.42 | 45.75 | 4,366.44 | 1,326.10 | 1,361.19 | 1,900.36 | 1.50 | -1.50 | 0.00 |
| 5,000.00 | 23.92 | 45.75 | 4,457.31 | 1,355.22 | 1,391.08 | 1,942.10 | 1.50 | -1.50 | 0.00 |
| 5,100.00 | 22.42 | 45.75 | 4,549.24 | 1,382.68 | 1,419.26 | 1,981.44 | 1.50 | -1.50 | 0.00 |
| 5,200.00 | 20.92 | 45.75 | 4,642.17 | 1,408.44 | 1,445.71 | 2,018.36 | 1.50 | -1.50 | 0.00 |
| 5,300.00 | 19.42 | 45.75 | 4,736.04 | 1,432.50 | 1,470.41 | 2,052.84 | 1.50 | -1.50 | 0.00 |
| 5,321.14 | 19.10 | 45.75 | 4,756.00 | 1,437.37 | 1,475.40 | 2,059.82 | 1.50 | -1.50 | 0.00 |
| Price Coal | | | | | | | | | |
| 5,400.00 | 17.92 | 45.75 | 4,830.78 | 1,454.84 | 1,493.33 | 2,084.85 | 1.50 | -1.50 | 0.00 |
| 5,500.00 | 16.42 | 45.75 | 4,926.32 | 1,475.44 | 1,514.48 | 2,114.37 | 1.50 | -1.50 | 0.00 |
| 5,600.00 | 14.92 | 45.75 | 5,022.60 | 1,494.28 | 1,533.82 | 2,141.38 | 1.50 | -1.50 | 0.00 |
| 5,700.00 | 13.42 | 45.75 | 5,119.55 | 1,511.37 | 1,551.35 | 2,165.85 | 1.50 | -1.50 | 0.00 |
| 5,800.00 | 11.92 | 45.75 | 5,217.12 | 1,526.67 | 1,567.06 | 2,187.79 | 1.50 | -1.50 | 0.00 |
| 5,839.70 | 11.32 | 45.75 | 5,256.00 | 1,532.25 | 1,572.79 | 2,195.78 | 1.50 | -1.50 | 0.00 |
| Top Gas | | | | | | | | | |
| 5,900.00 | 10.42 | 45.75 | 5,315.22 | 1,540.19 | 1,580.94 | 2,207.16 | 1.50 | -1.50 | 0.00 |
| 6,000.00 | 8.92 | 45.75 | 5,413.80 | 1,551.91 | 1,592.97 | 2,223.95 | 1.50 | -1.50 | 0.00 |
| 6,100.00 | 7.42 | 45.75 | 5,512.78 | 1,561.82 | 1,603.14 | 2,238.16 | 1.50 | -1.50 | 0.00 |
| 6,200.00 | 5.92 | 45.75 | 5,612.10 | 1,569.92 | 1,611.46 | 2,249.77 | 1.50 | -1.50 | 0.00 |
| 6,300.00 | 4.42 | 45.75 | 5,711.69 | 1,576.21 | 1,617.92 | 2,258.78 | 1.50 | -1.50 | 0.00 |
| 6,400.00 | 2.92 | 45.75 | 5,811.48 | 1,580.68 | 1,622.50 | 2,265.18 | 1.50 | -1.50 | 0.00 |
| 6,500.00 | 1.42 | 45.75 | 5,911.41 | 1,583.32 | 1,625.21 | 2,268.97 | 1.50 | -1.50 | 0.00 |
| 6,594.60 | 0.00 | 0.00 | 6,006.00 | 1,584.14 | 1,626.05 | 2,270.14 | 1.50 | -1.50 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,011.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,111.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,211.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,311.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,411.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,511.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 6,611.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 6,711.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 6,811.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 6,911.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,011.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,111.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,211.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,311.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,411.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,511.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,611.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,294.60 | 0.00 | 0.00 | 7,706.00 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 8,300.00 | 0.00 | 0.00 | 7,711.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 7,811.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 7,911.40 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |
| 8,594.60 | 0.00 | 0.00 | 8,006.00 | 1,584.14 | 1,626.05 | 2,270.14 | 0.00 | 0.00 | 0.00 |

BBC

Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Federal 13C-34-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6748.00ft (Original Well Elev) |
| Site: | MDP #26 | North Reference: | True |
| Well: | Federal 13C-34-691 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

Casing Points

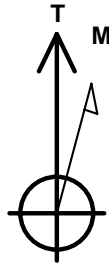
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|------|---------------------|-------------------|
| | 9 5/8" | | 9-5/8 | 12-1/4 |

Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|------------|-----------|---------|-------------------|
| 4,214.01 | 3,776.00 | Mesaverde | | 0.00 | |
| 5,321.14 | 4,756.00 | Price Coal | | 0.00 | |
| 5,839.70 | 5,256.00 | Top Gas | | 0.00 | |
| 8,294.60 | 7,706.00 | Rollins | | 0.00 | |
| | 8,006.00 | TD | | 0.00 | |

WELL DETAILS: Federal 13C-34-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.001605950.5002420600.39428' 44.1886 N 10.1952 W



Azimuths to True North
 Magnetic North: 10.30°

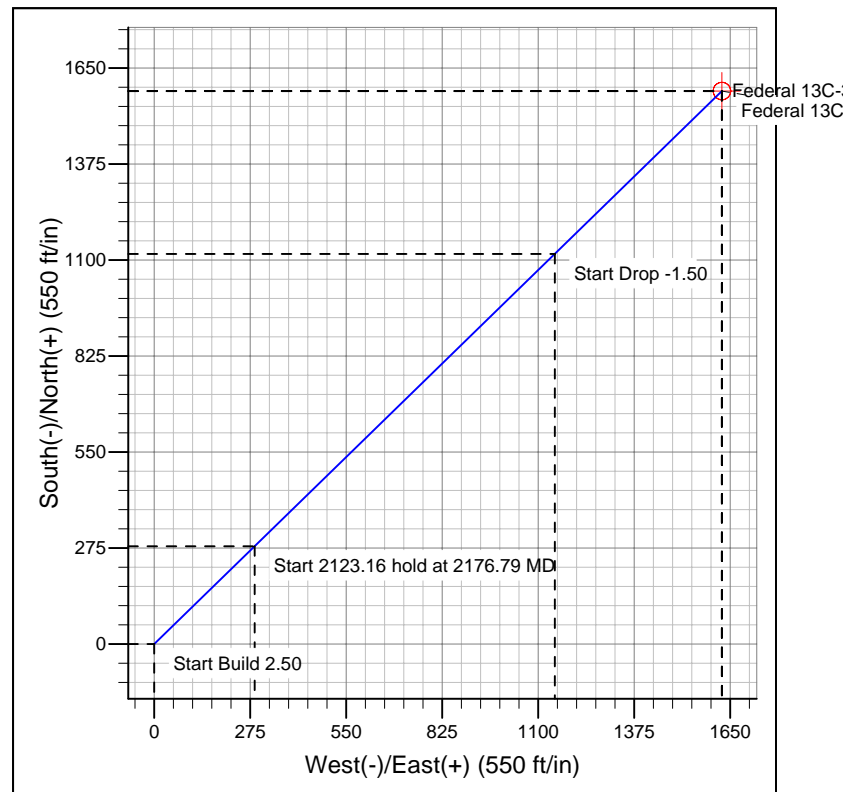
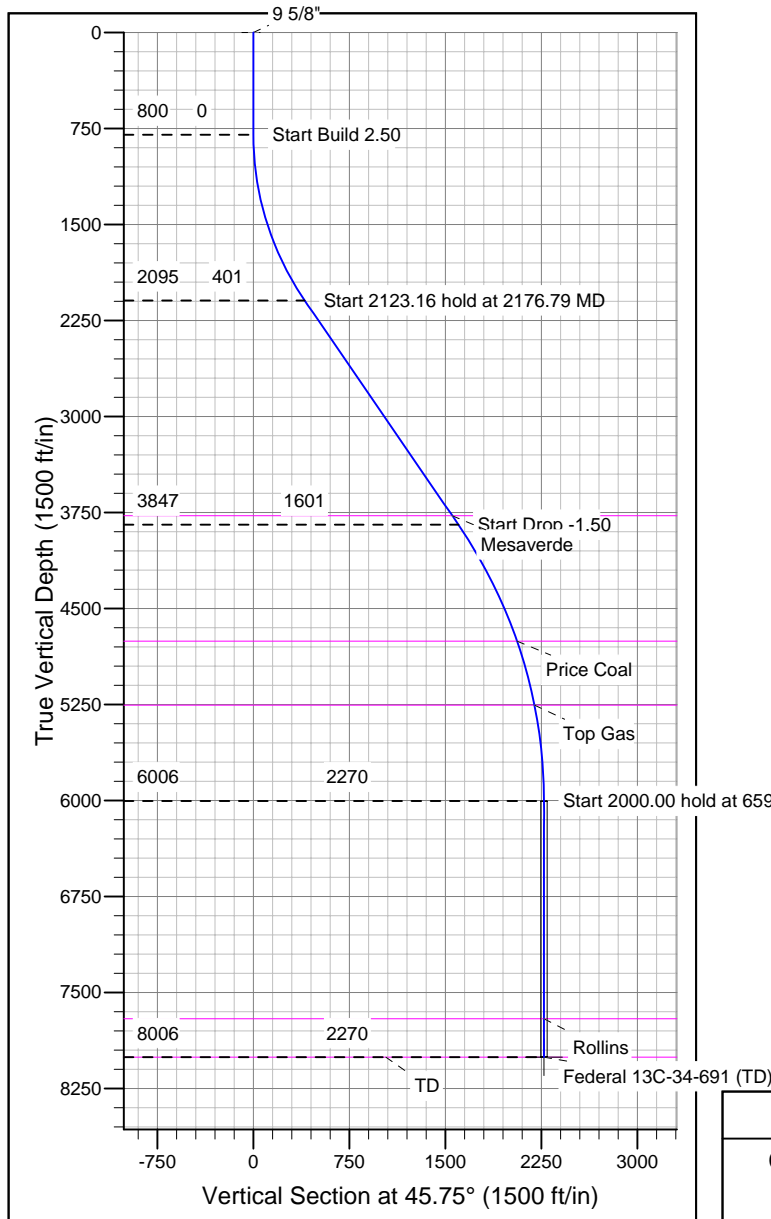
Magnetic Field
 Strength: 52327.3snT
 Dip Angle: 65.80°
 Date: 10/25/2010
 Model: BGGM2007

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 | 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | 176.79 | 34.42 | 45.75 | 2095.46 | 280.00 | 287.41 | 2.50 | 45.75 | 401.26 | |
| 42 | 99.95 | 34.42 | 45.75 | 3846.89 | 117.46 | 147.03 | 0.00 | 0.00 | 1601.37 | |
| 65 | 94.60 | 0.00 | 0.00 | 6006.00 | 1584.14 | 1626.05 | 1.50 | 180.00 | 2270.14 | |
| 85 | 94.60 | 0.00 | 0.00 | 6006.00 | 1584.14 | 1626.05 | 0.00 | 0.00 | 2270.14 | Federal 13C-34-691 (TD) |

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|-------------------------|---------|---------|---------|------------------------|
| Federal 13C-34-691 (TD) | 6006.00 | 1584.14 | 1626.05 | Circle (Radius: 25.00) |



FORMATION TOP DETAILS

| TVD | MD | Formation |
|---------|--------|------------|
| 3776.00 | 214.01 | TD |
| 4756.00 | 321.14 | Mesaverde |
| 5256.00 | 639.70 | Price Coal |
| 6006.00 | 294.60 | Top Gas |
| 7706.00 | 294.60 | Rollins |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 13C-34-691, True North
 Vertical (TVD) Reference: WELL @ 6748.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6748.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature