

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Miller #5

Miller 14B-31-691

Wellbore #1

Plan: Design #1

Standard Planning Report

22 October, 2009

BBC

Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 14B-31-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Site: | Miller #5 | North Reference: | True |
| Well: | Miller 14B-31-691 | 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 | Miller #5 | | |
| Site Position: | | Northing: | 1,607,064.787 ft |
| From: | Lat/Long | Easting: | 2,407,107.914 ft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | " |
| | | Latitude: | 39° 28' 52.848 N |
| | | Longitude: | 107° 36' 2.5580 W |
| | | Grid Convergence: | -1.32 ° |

| | | | |
|-----------------------------|-------------------|-----------|----------------------------|
| Well | Miller 14B-31-691 | | |
| Well Position | +N/-S | -51.61 ft | Northing: |
| | +E/-W | -91.01 ft | Easting: |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: |
| | | | ft |
| | | | Latitude: |
| | | | 39° 28' 52.338 N |
| | | | Longitude: |
| | | | 107° 36' 3.7188 W |
| | | | Ground Level: |
| | | | 0.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 11/4/2008 | 10.49 | 65.88 | 52,581 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| 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 | 212.67 |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|----------------|
| 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 | |
| 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,113.90 | 34.10 | 212.67 | 2,034.80 | -331.68 | -212.66 | 2.50 | 2.50 | 0.00 | 212.67 | |
| 2,567.78 | 34.10 | 212.67 | 2,410.66 | -545.87 | -350.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,840.94 | 0.00 | 0.00 | 4,552.00 | -1,098.67 | -704.44 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 7,140.94 | 0.00 | 0.00 | 6,852.00 | -1,098.67 | -704.44 | 0.00 | 0.00 | 0.00 | 0.00 | TOG 14B-31-691 |

BBC
Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 14B-31-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Site: | Miller #5 | North Reference: | True |
| Well: | Miller 14B-31-691 | 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 |
| 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 800.00 | 1.25 | 212.67 | 800.00 | -0.46 | -0.29 | 0.55 | 2.50 | 2.50 | 0.00 |
| 900.00 | 3.75 | 212.67 | 899.89 | -4.13 | -2.65 | 4.91 | 2.50 | 2.50 | 0.00 |
| 1,000.00 | 6.25 | 212.67 | 999.50 | -11.47 | -7.35 | 13.62 | 2.50 | 2.50 | 0.00 |
| 1,100.00 | 8.75 | 212.67 | 1,098.64 | -22.45 | -14.40 | 26.67 | 2.50 | 2.50 | 0.00 |
| 1,200.00 | 11.25 | 212.67 | 1,197.11 | -37.07 | -23.77 | 44.04 | 2.50 | 2.50 | 0.00 |
| 1,300.00 | 13.75 | 212.67 | 1,294.74 | -55.29 | -35.45 | 65.68 | 2.50 | 2.50 | 0.00 |
| 1,400.00 | 16.25 | 212.67 | 1,391.32 | -77.08 | -49.42 | 91.56 | 2.50 | 2.50 | 0.00 |
| 1,500.00 | 18.75 | 212.67 | 1,486.69 | -102.39 | -65.65 | 121.63 | 2.50 | 2.50 | 0.00 |
| 1,600.00 | 21.25 | 212.67 | 1,580.65 | -131.18 | -84.11 | 155.83 | 2.50 | 2.50 | 0.00 |
| 1,700.00 | 23.75 | 212.67 | 1,673.03 | -163.39 | -104.76 | 194.09 | 2.50 | 2.50 | 0.00 |
| 1,800.00 | 26.25 | 212.67 | 1,763.65 | -198.96 | -127.57 | 236.35 | 2.50 | 2.50 | 0.00 |
| 1,900.00 | 28.75 | 212.67 | 1,852.35 | -237.83 | -152.49 | 282.52 | 2.50 | 2.50 | 0.00 |
| 2,000.00 | 31.25 | 212.67 | 1,938.94 | -279.92 | -179.48 | 332.52 | 2.50 | 2.50 | 0.00 |
| 2,100.00 | 33.75 | 212.67 | 2,023.27 | -325.15 | -208.48 | 386.24 | 2.50 | 2.50 | 0.00 |
| 2,113.90 | 34.10 | 212.67 | 2,034.80 | -331.68 | -212.66 | 394.00 | 2.50 | 2.50 | 0.00 |
| 2,200.00 | 34.10 | 212.67 | 2,106.11 | -372.31 | -238.72 | 442.27 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 34.10 | 212.67 | 2,188.91 | -419.50 | -268.98 | 498.33 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 34.10 | 212.67 | 2,271.72 | -466.69 | -299.24 | 554.39 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 34.10 | 212.67 | 2,354.53 | -513.89 | -329.49 | 610.45 | 0.00 | 0.00 | 0.00 |
| 2,567.78 | 34.10 | 212.67 | 2,410.66 | -545.87 | -350.00 | 648.44 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 33.61 | 212.67 | 2,437.42 | -560.99 | -359.69 | 666.40 | 1.50 | -1.50 | 0.00 |
| 2,700.00 | 32.11 | 212.67 | 2,521.41 | -606.66 | -388.98 | 720.66 | 1.50 | -1.50 | 0.00 |
| 2,800.00 | 30.61 | 212.67 | 2,606.79 | -650.48 | -417.07 | 772.70 | 1.50 | -1.50 | 0.00 |
| 2,900.00 | 29.11 | 212.67 | 2,693.51 | -692.40 | -443.95 | 822.50 | 1.50 | -1.50 | 0.00 |
| 3,000.00 | 27.61 | 212.67 | 2,781.51 | -732.39 | -469.59 | 870.00 | 1.50 | -1.50 | 0.00 |
| 3,100.00 | 26.11 | 212.67 | 2,870.71 | -770.43 | -493.98 | 915.19 | 1.50 | -1.50 | 0.00 |
| 3,200.00 | 24.61 | 212.67 | 2,961.07 | -806.49 | -517.10 | 958.02 | 1.50 | -1.50 | 0.00 |
| 3,255.84 | 23.78 | 212.67 | 3,012.00 | -825.75 | -529.45 | 980.91 | 1.50 | -1.50 | 0.00 |
| Mesaverde | | | | | | | | | |
| 3,300.00 | 23.11 | 212.67 | 3,052.52 | -840.54 | -538.94 | 998.48 | 1.50 | -1.50 | 0.00 |
| 3,400.00 | 21.61 | 212.67 | 3,144.99 | -872.57 | -559.47 | 1,036.53 | 1.50 | -1.50 | 0.00 |
| 3,500.00 | 20.11 | 212.67 | 3,238.43 | -902.55 | -578.70 | 1,072.14 | 1.50 | -1.50 | 0.00 |
| 3,600.00 | 18.61 | 212.67 | 3,332.77 | -930.46 | -596.59 | 1,105.30 | 1.50 | -1.50 | 0.00 |
| 3,700.00 | 17.11 | 212.67 | 3,427.95 | -956.29 | -613.15 | 1,135.97 | 1.50 | -1.50 | 0.00 |
| 3,800.00 | 15.61 | 212.67 | 3,523.90 | -980.00 | -628.36 | 1,164.15 | 1.50 | -1.50 | 0.00 |
| 3,900.00 | 14.11 | 212.67 | 3,620.55 | -1,001.60 | -642.20 | 1,189.80 | 1.50 | -1.50 | 0.00 |
| 4,000.00 | 12.61 | 212.67 | 3,717.84 | -1,021.05 | -654.68 | 1,212.91 | 1.50 | -1.50 | 0.00 |
| 4,086.04 | 11.32 | 212.67 | 3,802.00 | -1,036.07 | -664.31 | 1,230.75 | 1.50 | -1.50 | 0.00 |
| Price Coal | | | | | | | | | |
| 4,100.00 | 11.11 | 212.67 | 3,815.70 | -1,038.36 | -665.78 | 1,233.47 | 1.50 | -1.50 | 0.00 |
| 4,200.00 | 9.61 | 212.67 | 3,914.06 | -1,053.51 | -675.49 | 1,251.46 | 1.50 | -1.50 | 0.00 |
| 4,300.00 | 8.11 | 212.67 | 4,012.87 | -1,066.48 | -683.80 | 1,266.87 | 1.50 | -1.50 | 0.00 |
| 4,339.50 | 7.52 | 212.67 | 4,052.00 | -1,071.00 | -686.70 | 1,272.24 | 1.50 | -1.50 | 0.00 |

BBC

Planning Report

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|------------------|------------------------------------|-------------------------------------|---------------------------------------|
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| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Site: | Miller #5 | North Reference: | True |
| Well: | Miller 14B-31-691 | 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Top Gas | | | | | | | | | |
| 4,400.00 | 6.61 | 212.67 | 4,112.04 | -1,077.27 | -690.72 | 1,279.69 | 1.50 | -1.50 | 0.00 |
| 4,500.00 | 5.11 | 212.67 | 4,211.51 | -1,085.87 | -696.23 | 1,289.90 | 1.50 | -1.50 | 0.00 |
| 4,600.00 | 3.61 | 212.67 | 4,311.22 | -1,092.27 | -700.34 | 1,297.51 | 1.50 | -1.50 | 0.00 |
| 4,700.00 | 2.11 | 212.67 | 4,411.09 | -1,096.48 | -703.04 | 1,302.51 | 1.50 | -1.50 | 0.00 |
| 4,800.00 | 0.61 | 212.67 | 4,511.06 | -1,098.48 | -704.32 | 1,304.89 | 1.50 | -1.50 | 0.00 |
| 4,840.94 | 0.00 | 0.00 | 4,552.00 | -1,098.67 | -704.44 | 1,305.11 | 1.50 | -1.50 | 0.00 |
| 4,900.00 | 0.00 | 0.00 | 4,611.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 0.00 | 0.00 | 4,711.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 4,811.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 4,911.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,011.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,111.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,211.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,311.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,411.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,511.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,611.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,711.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 5,811.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 5,911.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,011.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,111.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,211.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,311.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,411.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,511.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 6,840.94 | 0.00 | 0.00 | 6,552.00 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 6,900.00 | 0.00 | 0.00 | 6,611.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,711.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,811.06 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| 7,140.94 | 0.00 | 0.00 | 6,852.00 | -1,098.67 | -704.44 | 1,305.11 | 0.00 | 0.00 | 0.00 |
| TD | | | | | | | | | |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|--------|---------------------|-------------------|
| 750.00 | 750.00 | 9 5/8" | 9-5/8 | 12-1/4 |

BBC

Planning Report

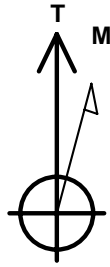
| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 14B-31-691 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6035.00ft (Original Well Elev) |
| Site: | Miller #5 | North Reference: | True |
| Well: | Miller 14B-31-691 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Formations | | | | | | |
|---------------------|---------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,255.84 | 3,012.00 | Mesaverde | | 0.00 | | |
| 4,086.04 | 3,802.00 | Price Coal | | 0.00 | | |
| 4,339.50 | 4,052.00 | Top Gas | | 0.00 | | |
| 6,840.94 | 6,552.00 | Rollins | | 0.00 | | |
| 7,140.94 | 6,852.00 | TD | | 0.00 | | |

WELL DETAILS: Miller 14B-31-691

Ground Level: 0.00

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|-------------|-------------|------------------|-------------------|------|
| 0.00 | 0.00 | 1607015.297 | 2407015.732 | 29° 28' 52.3381N | 107° 36' 3.7188 W | |



Azimuths to True North
Magnetic North: 10.49°

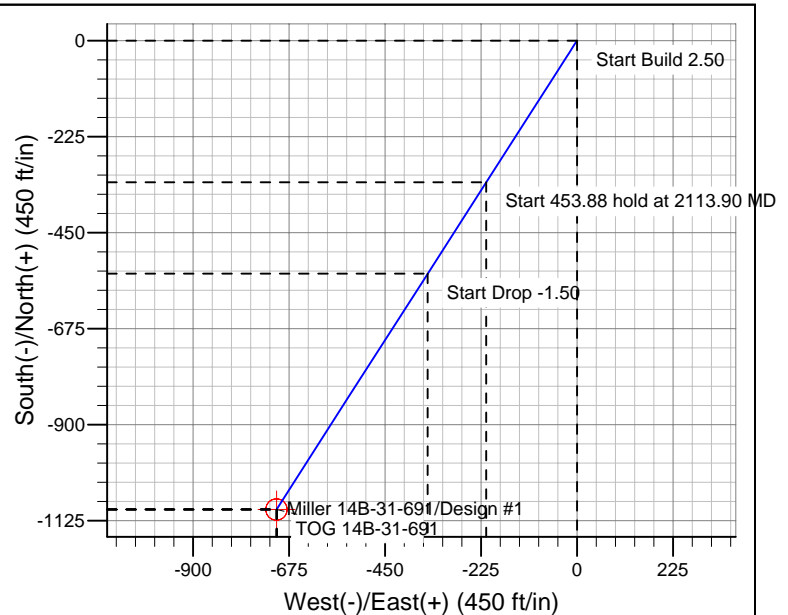
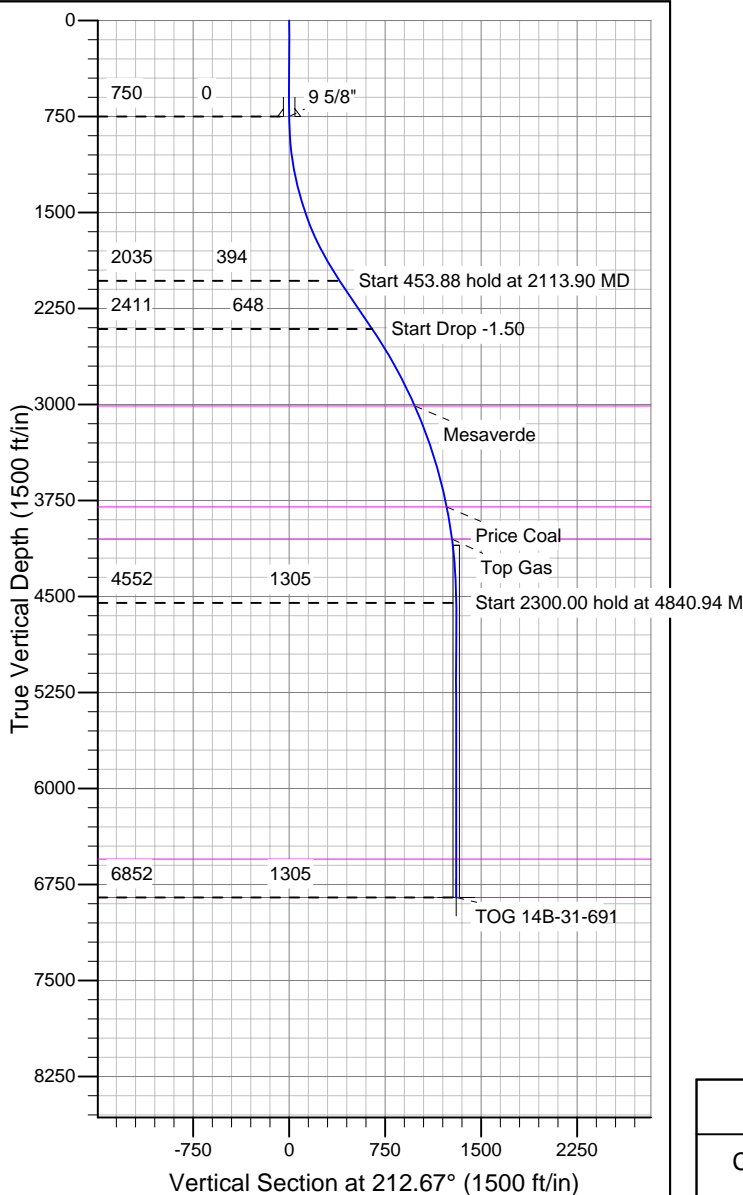
Magnetic Field
Strength: 52581.4snT
Dip Angle: 65.88°
Date: 11/4/2008
Model: IGRF200510

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 | 750.00 | 0.00 | 0.00 | 750.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1113.90 | 34.10 | 212.67 | 2034.80 | -331.68 | -212.66 | 2.50 | 212.67 | 394.00 | |
| 4 | 1567.78 | 34.10 | 212.67 | 2410.66 | -545.87 | -350.00 | 0.00 | 0.00 | 648.44 | |
| 5 | 2840.94 | 0.00 | 0.00 | 4552.00 | -1098.67 | -704.44 | 1.50 | 180.00 | 1305.11 | |
| 6 | 7140.94 | 0.00 | 0.00 | 6852.00 | -1098.67 | -704.44 | 0.00 | 0.00 | 1305.11 | TOG 14B-31-691 |

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|----------------|---------|----------|---------|------------------------|
| TOG 14B-31-691 | 6852.00 | -1098.67 | -704.44 | Circle (Radius: 25.00) |



CASING DETAILS

| TVD | MD | Name | Size |
|--------|--------|--------|-------|
| 750.00 | 750.00 | 9 5/8" | 9-5/8 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|------------|
| 3012.00 | 3255.84 | Mesaverde |
| 3802.00 | 4086.04 | Price Coal |
| 4052.00 | 4339.50 | Top Gas |
| 6552.00 | 6840.94 | Rollins |
| 6852.00 | 7140.94 | TD |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Miller 14B-31-691, True North
 Vertical (TVD) Reference: WELL @ 6035.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6035.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature