


| WELL DETAILS: Miller 13D-6-791 | | | | | | | |
|--------------------------------|-------|-------------|-------------|------------------|--------------------|------|--|
| Ground Level: 0.00 | | | | | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot | |
| 0.00 | 0.00 | 1604889.377 | 2405978.017 | 39° 28' 31.094 N | 107° 36' 16.3224 W | | |



Azimuths to True North

Magnetic North 10.34°

1 0.00 MD

Inc 0.00

Azi 0.00

TVD 0.00

2 0.00 MD

Inc 0.00

Azi 0.00

TVD 700.00

3 866.35 MD

Inc 4.16

Azi 70.84

TVD 866.20

4 866.35 MD

Inc 4.16

Azi 70.84

TVD 4536.99

5 4536.99 MD

Inc 0.00

Azi 0.00

TVD 4814.00

6 4814.00 MD

Inc 0.00

Azi 0.00

TVD 6814.00

Strength: 52463.39 nT

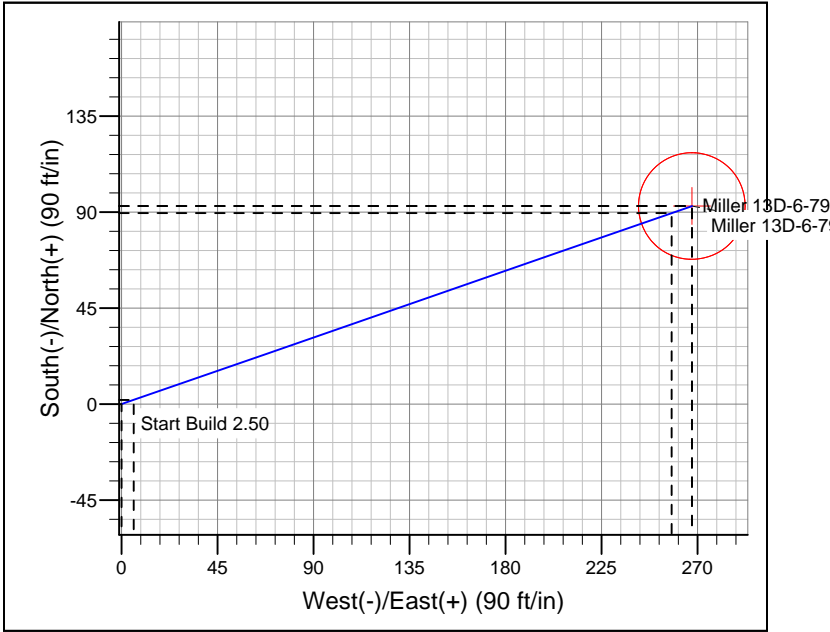
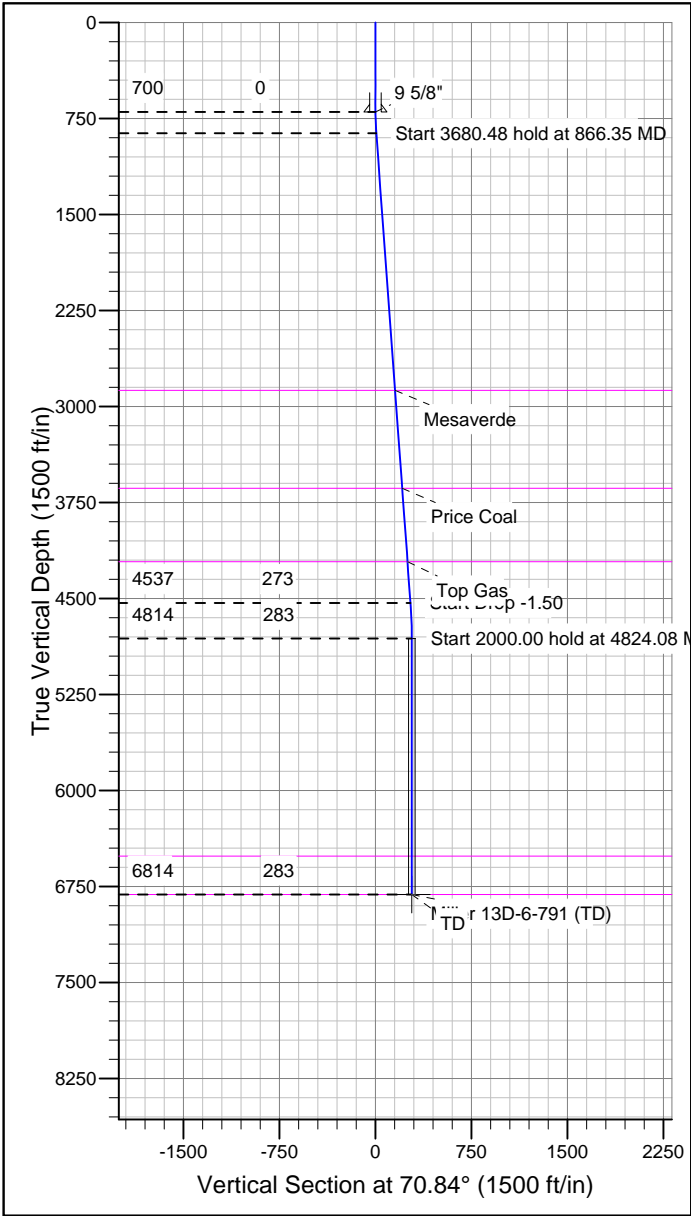
Dip Angle: 65.85°

Date: 12/31/2009

Model: IGRF200512

| SECTION DETAILS | | | | | | | | | | |
|-----------------|--------|------|--------|--------|-----------------------|--|--|--|--|--|
| +N/-S | +E/-W | DLeg | TFace | VSec | Target | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 1.98 | 5.70 | 2.50 | 70.84 | 6.03 | | | | | | |
| 89.59 | 257.82 | 0.00 | 0.00 | 272.94 | | | | | | |
| 92.89 | 267.32 | 1.50 | 180.00 | 283.00 | | | | | | |
| 92.89 | 267.32 | 0.00 | 0.00 | 283.00 | Miller 13D-6-791 (TD) | | | | | |

| WELLBORE TARGET DETAILS | | | | |
|-------------------------|---------|-------|--------|------------------------|
| Name | TVD | +N/-S | +E/-W | Shape |
| Miller 13D-6-791 (TD) | 6814.00 | 92.89 | 267.32 | Circle (Radius: 25.00) |



| CASING DETAILS | | | |
|----------------|--------|--------|-------|
| TVD | MD | Name | Size |
| 700.00 | 700.00 | 9 5/8" | 9-5/8 |

| FORMATION TOP DETAILS | | |
|-----------------------|---------|------------|
| TVDPath | MDPath | Formation |
| 2874.00 | 2879.45 | Mesaverde |
| 3639.00 | 3646.47 | Price Coal |
| 4214.00 | 4222.98 | Top Gas |
| 6514.00 | 6524.08 | Rollins |
| 6814.00 | 6824.08 | TD |

| REFERENCE INFORMATION | |
|------------------------------|---------------------------------------|
| Co-ordinate (N/E) Reference: | Well Miller 13D-6-791, True North |
| Vertical (TVD) Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Section (VS) Reference: | Slot - (0.00N, 0.00E) |
| Measured Depth Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Calculation Method: | Minimum Curvature |

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Miller Pad #9

Miller 13D-6-791

Wellbore #1

Plan: Design #1

Standard Planning Report

16 May, 2011

Bill Barrett Corp
Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 13D-6-791 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Site: | Miller Pad #9 | North Reference: | True |
| Well: | Miller 13D-6-791 | 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 Pad #9 | | |
| Site Position: | | Northing: | 1,604,898.699 ft |
| From: | Lat/Long | Easting: | 2,405,969.198 ft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | " |
| | | Latitude: | 39° 28' 31.184 N |
| | | Longitude: | 107° 36' 16.4376 W |
| | | Grid Convergence: | -1.33 ° |

| | | | |
|-----------------------------|------------------|----------|----------------------------|
| Well | Miller 13D-6-791 | | |
| Well Position | +N/-S | -9.11 ft | Northing: |
| | +E/-W | 9.03 ft | Easting: |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: |
| | | | ft |
| | | | Latitude: |
| | | | 39° 28' 31.094 N |
| | | | Longitude: |
| | | | 107° 36' 16.3224 W |
| | | | Ground Level: |
| | | | 0.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 12/31/2009 | 10.34 | 65.85 | 52,464 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| 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 | 70.84 |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|-----------------------------|----------------------------|----------------|---------------------|
| 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 | |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 866.35 | 4.16 | 70.84 | 866.20 | 1.98 | 5.70 | 2.50 | 2.50 | 0.00 | 70.84 | |
| 4,546.83 | 4.16 | 70.84 | 4,536.99 | 89.59 | 257.82 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,824.08 | 0.00 | 0.00 | 4,814.00 | 92.89 | 267.32 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 6,824.08 | 0.00 | 0.00 | 6,814.00 | 92.89 | 267.32 | 0.00 | 0.00 | 0.00 | 0.00 | Miller 13D-6-791 (T |

Bill Barrett Corp

Planning Report

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|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 13D-6-791 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Site: | Miller Pad #9 | North Reference: | True |
| Well: | Miller 13D-6-791 | 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 | 2.50 | 70.84 | 799.97 | 0.72 | 2.06 | 2.18 | 2.50 | 2.50 | 0.00 | |
| 866.35 | 4.16 | 70.84 | 866.20 | 1.98 | 5.70 | 6.03 | 2.50 | 2.50 | 0.00 | |
| 900.00 | 4.16 | 70.84 | 899.77 | 2.78 | 8.01 | 8.47 | 0.00 | 0.00 | 0.00 | |
| 1,000.00 | 4.16 | 70.84 | 999.50 | 5.16 | 14.86 | 15.73 | 0.00 | 0.00 | 0.00 | |
| 1,100.00 | 4.16 | 70.84 | 1,099.24 | 7.54 | 21.71 | 22.98 | 0.00 | 0.00 | 0.00 | |
| 1,200.00 | 4.16 | 70.84 | 1,198.98 | 9.92 | 28.56 | 30.23 | 0.00 | 0.00 | 0.00 | |
| 1,300.00 | 4.16 | 70.84 | 1,298.71 | 12.30 | 35.41 | 37.48 | 0.00 | 0.00 | 0.00 | |
| 1,400.00 | 4.16 | 70.84 | 1,398.45 | 14.68 | 42.26 | 44.73 | 0.00 | 0.00 | 0.00 | |
| 1,500.00 | 4.16 | 70.84 | 1,498.19 | 17.06 | 49.11 | 51.99 | 0.00 | 0.00 | 0.00 | |
| 1,600.00 | 4.16 | 70.84 | 1,597.92 | 19.44 | 55.96 | 59.24 | 0.00 | 0.00 | 0.00 | |
| 1,700.00 | 4.16 | 70.84 | 1,697.66 | 21.82 | 62.81 | 66.49 | 0.00 | 0.00 | 0.00 | |
| 1,800.00 | 4.16 | 70.84 | 1,797.40 | 24.21 | 69.66 | 73.74 | 0.00 | 0.00 | 0.00 | |
| 1,900.00 | 4.16 | 70.84 | 1,897.13 | 26.59 | 76.51 | 81.00 | 0.00 | 0.00 | 0.00 | |
| 2,000.00 | 4.16 | 70.84 | 1,996.87 | 28.97 | 83.36 | 88.25 | 0.00 | 0.00 | 0.00 | |
| 2,100.00 | 4.16 | 70.84 | 2,096.61 | 31.35 | 90.21 | 95.50 | 0.00 | 0.00 | 0.00 | |
| 2,200.00 | 4.16 | 70.84 | 2,196.34 | 33.73 | 97.06 | 102.75 | 0.00 | 0.00 | 0.00 | |
| 2,300.00 | 4.16 | 70.84 | 2,296.08 | 36.11 | 103.91 | 110.00 | 0.00 | 0.00 | 0.00 | |
| 2,400.00 | 4.16 | 70.84 | 2,395.82 | 38.49 | 110.76 | 117.26 | 0.00 | 0.00 | 0.00 | |
| 2,500.00 | 4.16 | 70.84 | 2,495.55 | 40.87 | 117.61 | 124.51 | 0.00 | 0.00 | 0.00 | |
| 2,600.00 | 4.16 | 70.84 | 2,595.29 | 43.25 | 124.46 | 131.76 | 0.00 | 0.00 | 0.00 | |
| 2,700.00 | 4.16 | 70.84 | 2,695.03 | 45.63 | 131.31 | 139.01 | 0.00 | 0.00 | 0.00 | |
| 2,800.00 | 4.16 | 70.84 | 2,794.76 | 48.01 | 138.16 | 146.26 | 0.00 | 0.00 | 0.00 | |
| 2,900.00 | 4.16 | 70.84 | 2,894.50 | 50.39 | 145.01 | 153.52 | 0.00 | 0.00 | 0.00 | |
| 3,000.00 | 4.16 | 70.84 | 2,994.24 | 52.77 | 151.86 | 160.77 | 0.00 | 0.00 | 0.00 | |
| 3,100.00 | 4.16 | 70.84 | 3,093.97 | 55.15 | 158.71 | 168.02 | 0.00 | 0.00 | 0.00 | |
| 3,200.00 | 4.16 | 70.84 | 3,193.71 | 57.53 | 165.56 | 175.27 | 0.00 | 0.00 | 0.00 | |
| 3,300.00 | 4.16 | 70.84 | 3,293.45 | 59.91 | 172.41 | 182.52 | 0.00 | 0.00 | 0.00 | |
| 3,400.00 | 4.16 | 70.84 | 3,393.18 | 62.29 | 179.26 | 189.78 | 0.00 | 0.00 | 0.00 | |
| 3,500.00 | 4.16 | 70.84 | 3,492.92 | 64.67 | 186.11 | 197.03 | 0.00 | 0.00 | 0.00 | |
| 3,600.00 | 4.16 | 70.84 | 3,592.66 | 67.05 | 192.96 | 204.28 | 0.00 | 0.00 | 0.00 | |
| 3,700.00 | 4.16 | 70.84 | 3,692.39 | 69.43 | 199.81 | 211.53 | 0.00 | 0.00 | 0.00 | |
| 3,800.00 | 4.16 | 70.84 | 3,792.13 | 71.81 | 206.66 | 218.78 | 0.00 | 0.00 | 0.00 | |
| 3,900.00 | 4.16 | 70.84 | 3,891.87 | 74.19 | 213.51 | 226.04 | 0.00 | 0.00 | 0.00 | |
| 4,000.00 | 4.16 | 70.84 | 3,991.60 | 76.57 | 220.36 | 233.29 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 4.16 | 70.84 | 4,091.34 | 78.95 | 227.21 | 240.54 | 0.00 | 0.00 | 0.00 | |
| 4,200.00 | 4.16 | 70.84 | 4,191.08 | 81.33 | 234.06 | 247.79 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 4.16 | 70.84 | 4,290.81 | 83.71 | 240.91 | 255.04 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 4.16 | 70.84 | 4,390.55 | 86.09 | 247.76 | 262.30 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 4.16 | 70.84 | 4,490.29 | 88.47 | 254.61 | 269.55 | 0.00 | 0.00 | 0.00 | |
| 4,546.83 | 4.16 | 70.84 | 4,536.99 | 89.59 | 257.82 | 272.94 | 0.00 | 0.00 | 0.00 | |
| 4,600.00 | 3.36 | 70.84 | 4,590.05 | 90.73 | 261.12 | 276.43 | 1.50 | -1.50 | 0.00 | |
| 4,700.00 | 1.86 | 70.84 | 4,689.94 | 92.23 | 265.42 | 280.99 | 1.50 | -1.50 | 0.00 | |
| 4,800.00 | 0.36 | 70.84 | 4,789.92 | 92.87 | 267.25 | 282.93 | 1.50 | -1.50 | 0.00 | |
| 4,824.08 | 0.00 | 0.00 | 4,814.00 | 92.89 | 267.32 | 283.00 | 1.50 | -1.50 | 0.00 | |
| 4,900.00 | 0.00 | 0.00 | 4,889.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |

Bill Barrett Corp

Planning Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well Miller 13D-6-791 |
| Company: | BILL BARRETT CORP | TVD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Project: | GARFIELD COUNTY, COLORADO NAD 1983 | MD Reference: | WELL @ 6091.00ft (Original Well Elev) |
| Site: | Miller Pad #9 | North Reference: | True |
| Well: | Miller 13D-6-791 | 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) | |
| 5,000.00 | 0.00 | 0.00 | 4,989.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 0.00 | 0.00 | 5,089.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 0.00 | 0.00 | 5,189.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 0.00 | 0.00 | 5,289.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 0.00 | 0.00 | 5,389.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 0.00 | 0.00 | 5,489.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 0.00 | 0.00 | 5,589.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 0.00 | 0.00 | 5,689.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 0.00 | 0.00 | 5,789.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 0.00 | 0.00 | 5,889.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 0.00 | 0.00 | 5,989.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 0.00 | 0.00 | 6,089.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 0.00 | 0.00 | 6,189.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,300.00 | 0.00 | 0.00 | 6,289.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,400.00 | 0.00 | 0.00 | 6,389.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,500.00 | 0.00 | 0.00 | 6,489.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 0.00 | 0.00 | 6,589.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,700.00 | 0.00 | 0.00 | 6,689.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,800.00 | 0.00 | 0.00 | 6,789.92 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |
| 6,824.08 | 0.00 | 0.00 | 6,814.00 | 92.89 | 267.32 | 283.00 | 0.00 | 0.00 | 0.00 | |

| Casing Points | | | | | |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 700.00 | 700.00 | 9 5/8" | 9-5/8 | 12-1/4 | |

| Formations | | | | | | |
|---------------------|---------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 2,879.45 | 2,874.00 | Mesaverde | | 0.00 | | |
| 3,646.47 | 3,639.00 | Price Coal | | 0.00 | | |
| 4,222.98 | 4,214.00 | Top Gas | | 0.00 | | |
| 6,524.08 | 6,514.00 | Rollins | | 0.00 | | |
| 6,824.08 | 6,814.00 | TD | | 0.00 | | |