



Bill Barrett Corp.

Garfield County, Colorado

MDP 11 Pad

GGU Federal 41D-29-691

Wellbore #1

Survey: Surveys from Surface

Standard Survey Report

07 February, 2011



| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well GGU Federal 41D-29-691 |
| Project: | Garfield County, Colorado | TVD Reference: | KB @ 6126.90ft |
| Site: | MDP 11 Pad | MD Reference: | KB @ 6126.90ft |
| Well: | GGU Federal 41D-29-691 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Compass VM |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Garfield County, Colorado | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

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|-----------------------|----------|--------------|-------------------|-------------------|------------------|
| Site | | MDP 11 Pad | | | |
| Site Position: | | Northing: | 1,614,688.12 usft | Latitude: | 39° 30' 9.99 N |
| From: | Lat/Long | Easting: | 2,415,090.26 usft | Longitude: | 107° 34' 22.99 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 1.10 ft | Grid Convergence: | -1.31 ° |

| Well | | GGU Federal 41D-29-691 | | | | |
|----------------------|-------|------------------------|---------------------|-------------------|---------------|------------------|
| Well Position | +N/-S | 0.00 ft | Northing: | 1,614,700.45 usft | Latitude: | 39° 30' 10.10 N |
| | +E/-W | 0.00 ft | Easting: | 2,415,060.62 usft | Longitude: | 107° 34' 23.38 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 6,103.90 ft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 12/21/10 | 10.20 | 65.85 | 52,387 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | Wellbore #1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 30.43 | |

| | | | | | |
|-----------------------|----------------|----------------------------|------------------|--------------------|--|
| Survey Program | Date | 02/07/11 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 50.00 | 660.00 | Gyro Surveys (Wellbore #1) | MWD | MWD - Standard | |
| 787.00 | 7,575.00 | Surveys (Wellbore #1) | MWD | MWD - Standard | |

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|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| 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 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 50.00 | 0.230 | 191.30 | 50.00 | -0.10 | -0.02 | -0.09 | 0.46 | 0.46 | 0.00 | |
| 100.00 | 0.150 | 112.61 | 100.00 | -0.22 | 0.02 | -0.18 | 0.50 | -0.16 | -157.38 | |
| 150.00 | 0.100 | 179.48 | 150.00 | -0.29 | 0.08 | -0.21 | 0.29 | -0.10 | 133.74 | |
| 200.00 | 0.240 | 286.11 | 200.00 | -0.31 | -0.02 | -0.27 | 0.57 | 0.28 | 213.26 | |
| 250.00 | 0.280 | 336.53 | 250.00 | -0.16 | -0.17 | -0.23 | 0.45 | 0.08 | 100.84 | |
| 300.00 | 0.270 | 328.87 | 300.00 | 0.05 | -0.28 | -0.10 | 0.08 | -0.02 | -15.32 | |
| 350.00 | 0.300 | 359.03 | 350.00 | 0.28 | -0.34 | 0.07 | 0.30 | 0.06 | 60.32 | |
| 400.00 | 0.370 | 27.44 | 400.00 | 0.55 | -0.27 | 0.34 | 0.36 | 0.14 | 56.82 | |
| 450.00 | 0.480 | 39.16 | 450.00 | 0.86 | -0.06 | 0.71 | 0.28 | 0.22 | 23.44 | |

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| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well GGU Federal 41D-29-691 |
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| Site: | MDP 11 Pad | MD Reference: | KB @ 6126.90ft |
| Well: | GGU Federal 41D-29-691 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Compass VM |

| 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) |
| 500.00 | 0.320 | 47.15 | 499.99 | 1.12 | 0.17 | 1.05 | 0.34 | -0.32 | 15.98 |
| 550.00 | 0.300 | 54.49 | 549.99 | 1.29 | 0.38 | 1.30 | 0.09 | -0.04 | 14.68 |
| 600.00 | 0.320 | 65.95 | 599.99 | 1.42 | 0.62 | 1.54 | 0.13 | 0.04 | 22.92 |
| 650.00 | 0.200 | 40.34 | 649.99 | 1.54 | 0.80 | 1.74 | 0.33 | -0.24 | -51.22 |
| 660.00 | 0.250 | 36.78 | 659.99 | 1.58 | 0.82 | 1.78 | 0.52 | 0.50 | -35.60 |
| 738.00 | 0.096 | 36.78 | 737.99 | 1.76 | 0.97 | 2.01 | 0.20 | -0.20 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 787.00 | 0.000 | 293.90 | 786.99 | 1.80 | 0.99 | 2.05 | 0.20 | -0.20 | 0.00 |
| 880.00 | 2.500 | 11.30 | 879.96 | 3.79 | 1.39 | 3.97 | 2.69 | 2.69 | 0.00 |
| 971.00 | 4.700 | 17.60 | 970.78 | 9.29 | 2.90 | 9.48 | 2.45 | 2.42 | 6.92 |
| 1,064.00 | 7.200 | 25.80 | 1,063.27 | 18.17 | 6.59 | 19.00 | 2.83 | 2.69 | 8.82 |
| 1,156.00 | 10.300 | 25.30 | 1,154.19 | 30.80 | 12.62 | 32.95 | 3.37 | 3.37 | -0.54 |
| 1,248.00 | 12.500 | 28.50 | 1,244.37 | 46.99 | 20.89 | 51.09 | 2.49 | 2.39 | 3.48 |
| 1,344.00 | 14.500 | 32.30 | 1,337.71 | 66.28 | 32.27 | 73.49 | 2.28 | 2.08 | 3.96 |
| 1,439.00 | 16.500 | 31.60 | 1,429.25 | 87.82 | 45.69 | 98.87 | 2.11 | 2.11 | -0.74 |
| 1,534.00 | 19.100 | 32.40 | 1,519.70 | 112.44 | 61.09 | 127.89 | 2.75 | 2.74 | 0.84 |
| 1,629.00 | 21.800 | 31.10 | 1,608.70 | 140.67 | 78.54 | 161.07 | 2.88 | 2.84 | -1.37 |
| 1,725.00 | 24.000 | 30.00 | 1,697.13 | 172.85 | 97.51 | 198.42 | 2.33 | 2.29 | -1.15 |
| 1,820.00 | 23.400 | 29.00 | 1,784.12 | 206.08 | 116.31 | 236.60 | 0.76 | -0.63 | -1.05 |
| 1,915.00 | 22.700 | 34.00 | 1,871.54 | 237.78 | 135.71 | 273.76 | 2.19 | -0.74 | 5.26 |
| 2,010.00 | 21.500 | 32.00 | 1,959.56 | 267.74 | 155.19 | 309.46 | 1.49 | -1.26 | -2.11 |
| 2,106.00 | 23.100 | 34.40 | 2,048.38 | 298.20 | 175.15 | 345.83 | 1.92 | 1.67 | 2.50 |
| 2,201.00 | 22.100 | 34.50 | 2,136.09 | 328.31 | 195.80 | 382.25 | 1.05 | -1.05 | 0.11 |
| 2,296.00 | 23.800 | 35.70 | 2,223.56 | 358.60 | 217.11 | 419.17 | 1.86 | 1.79 | 1.26 |
| 2,392.00 | 23.900 | 32.60 | 2,311.37 | 390.72 | 238.89 | 457.89 | 1.31 | 0.10 | -3.23 |
| 2,487.00 | 22.500 | 31.60 | 2,398.69 | 422.41 | 258.79 | 495.30 | 1.53 | -1.47 | -1.05 |
| 2,583.00 | 23.600 | 32.30 | 2,487.02 | 454.30 | 278.68 | 532.87 | 1.18 | 1.15 | 0.73 |
| 2,678.00 | 22.900 | 30.90 | 2,574.31 | 486.24 | 298.34 | 570.36 | 0.94 | -0.74 | -1.47 |
| 2,773.00 | 21.800 | 31.30 | 2,662.17 | 517.17 | 316.99 | 606.48 | 1.17 | -1.16 | 0.42 |
| 2,869.00 | 23.400 | 30.70 | 2,750.79 | 548.80 | 335.99 | 643.37 | 1.68 | 1.67 | -0.63 |
| 2,964.00 | 21.900 | 30.40 | 2,838.46 | 580.30 | 354.58 | 679.95 | 1.58 | -1.58 | -0.32 |
| 3,059.00 | 23.600 | 31.40 | 2,926.07 | 611.81 | 373.46 | 716.69 | 1.84 | 1.79 | 1.05 |
| 3,155.00 | 22.100 | 28.70 | 3,014.54 | 644.06 | 392.14 | 753.96 | 1.91 | -1.56 | -2.81 |
| 3,250.00 | 23.200 | 28.70 | 3,102.21 | 676.15 | 409.71 | 790.52 | 1.16 | 1.16 | 0.00 |
| 3,345.00 | 22.200 | 27.70 | 3,189.85 | 708.45 | 427.04 | 827.15 | 1.13 | -1.05 | -1.05 |
| 3,441.00 | 21.700 | 30.50 | 3,278.89 | 739.81 | 444.48 | 863.02 | 1.21 | -0.52 | 2.92 |
| 3,536.00 | 20.100 | 32.90 | 3,367.64 | 768.65 | 462.26 | 896.89 | 1.91 | -1.68 | 2.53 |
| 3,631.00 | 19.300 | 32.80 | 3,457.08 | 795.55 | 479.64 | 928.89 | 0.84 | -0.84 | -0.11 |
| 3,727.00 | 19.200 | 31.00 | 3,547.71 | 822.42 | 496.36 | 960.53 | 0.63 | -0.10 | -1.88 |
| 3,822.00 | 16.300 | 30.20 | 3,638.18 | 847.33 | 511.11 | 989.48 | 3.06 | -3.05 | -0.84 |
| 3,917.00 | 18.900 | 31.30 | 3,728.73 | 872.01 | 525.82 | 1,018.20 | 2.76 | 2.74 | 1.16 |
| 4,013.00 | 18.500 | 31.30 | 3,819.66 | 898.31 | 541.81 | 1,048.98 | 0.42 | -0.42 | 0.00 |
| 4,108.00 | 15.900 | 31.80 | 3,910.40 | 922.25 | 556.50 | 1,077.06 | 2.74 | -2.74 | 0.53 |

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| Well: | GGU Federal 41D-29-691 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Compass VM |

| 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) | |
| 4,203.00 | 13.400 | 31.90 | 4,002.31 | 942.66 | 569.17 | 1,101.08 | 2.63 | -2.63 | 0.11 | |
| 4,299.00 | 13.200 | 32.10 | 4,095.73 | 961.39 | 580.88 | 1,123.16 | 0.21 | -0.21 | 0.21 | |
| 4,394.00 | 13.500 | 31.60 | 4,188.16 | 980.02 | 592.45 | 1,145.09 | 0.34 | 0.32 | -0.53 | |
| 4,489.00 | 12.200 | 32.10 | 4,280.78 | 997.97 | 603.59 | 1,166.21 | 1.37 | -1.37 | 0.53 | |
| 4,585.00 | 8.900 | 29.20 | 4,375.15 | 1,013.05 | 612.61 | 1,183.78 | 3.48 | -3.44 | -3.02 | |
| 4,680.00 | 7.700 | 31.70 | 4,469.15 | 1,024.88 | 619.54 | 1,197.49 | 1.32 | -1.26 | 2.63 | |
| 4,775.00 | 6.000 | 32.30 | 4,563.47 | 1,034.49 | 625.54 | 1,208.81 | 1.79 | -1.79 | 0.63 | |
| 4,871.00 | 5.200 | 31.90 | 4,659.01 | 1,042.42 | 630.52 | 1,218.18 | 0.83 | -0.83 | -0.42 | |
| 4,966.00 | 4.600 | 33.20 | 4,753.66 | 1,049.27 | 634.88 | 1,226.29 | 0.64 | -0.63 | 1.37 | |
| 5,061.00 | 3.600 | 20.60 | 4,848.42 | 1,055.25 | 638.01 | 1,233.03 | 1.41 | -1.05 | -13.26 | |
| 5,157.00 | 3.100 | 337.70 | 4,944.27 | 1,060.47 | 638.09 | 1,237.57 | 2.60 | -0.52 | -44.69 | |
| 5,252.00 | 1.800 | 293.50 | 5,039.19 | 1,063.44 | 635.75 | 1,238.95 | 2.32 | -1.37 | -46.53 | |
| 5,347.00 | 1.300 | 293.50 | 5,134.15 | 1,064.47 | 633.39 | 1,238.64 | 0.53 | -0.53 | 0.00 | |
| 5,442.00 | 1.000 | 272.40 | 5,229.14 | 1,064.93 | 631.57 | 1,238.12 | 0.54 | -0.32 | -22.21 | |
| 5,538.00 | 0.900 | 278.60 | 5,325.12 | 1,065.08 | 629.99 | 1,237.44 | 0.15 | -0.10 | 6.46 | |
| 5,633.00 | 0.700 | 259.70 | 5,420.11 | 1,065.09 | 628.68 | 1,236.79 | 0.35 | -0.21 | -19.89 | |
| 5,729.00 | 0.700 | 242.10 | 5,516.11 | 1,064.71 | 627.59 | 1,235.91 | 0.22 | 0.00 | -18.33 | |
| 5,824.00 | 0.900 | 232.60 | 5,611.10 | 1,063.98 | 626.48 | 1,234.72 | 0.25 | 0.21 | -10.00 | |
| 5,919.00 | 1.200 | 222.00 | 5,706.08 | 1,062.79 | 625.22 | 1,233.06 | 0.37 | 0.32 | -11.16 | |
| 6,015.00 | 1.400 | 219.00 | 5,802.06 | 1,061.13 | 623.81 | 1,230.91 | 0.22 | 0.21 | -3.13 | |
| 6,110.00 | 1.300 | 318.10 | 5,897.04 | 1,061.03 | 622.36 | 1,230.09 | 2.16 | -0.11 | 104.32 | |
| 6,205.00 | 1.100 | 305.50 | 5,992.02 | 1,062.36 | 620.90 | 1,230.50 | 0.35 | -0.21 | -13.26 | |
| 6,301.00 | 1.500 | 305.50 | 6,087.99 | 1,063.63 | 619.13 | 1,230.69 | 0.42 | 0.42 | 0.00 | |
| 6,396.00 | 1.100 | 3.30 | 6,182.97 | 1,065.26 | 618.17 | 1,231.61 | 1.37 | -0.42 | 60.84 | |
| 6,491.00 | 0.800 | 347.70 | 6,277.96 | 1,066.82 | 618.08 | 1,232.91 | 0.41 | -0.32 | -16.42 | |
| 6,587.00 | 0.400 | 13.20 | 6,373.96 | 1,067.80 | 618.01 | 1,233.72 | 0.49 | -0.42 | 26.56 | |
| 6,682.00 | 0.200 | 329.70 | 6,468.95 | 1,068.27 | 618.00 | 1,234.12 | 0.30 | -0.21 | -45.79 | |
| 6,778.00 | 0.400 | 57.70 | 6,564.95 | 1,068.59 | 618.20 | 1,234.50 | 0.46 | 0.21 | 91.67 | |
| 6,873.00 | 0.700 | 75.90 | 6,659.95 | 1,068.91 | 619.05 | 1,235.20 | 0.36 | 0.32 | 19.16 | |
| 6,968.00 | 0.900 | 70.10 | 6,754.94 | 1,069.30 | 620.31 | 1,236.18 | 0.23 | 0.21 | -6.11 | |
| 7,063.00 | 1.100 | 55.60 | 6,849.93 | 1,070.07 | 621.76 | 1,237.58 | 0.34 | 0.21 | -15.26 | |
| 7,159.00 | 1.300 | 36.90 | 6,945.90 | 1,071.46 | 623.18 | 1,239.50 | 0.46 | 0.21 | -19.48 | |
| 7,254.00 | 0.800 | 38.30 | 7,040.89 | 1,072.85 | 624.24 | 1,241.23 | 0.53 | -0.53 | 1.47 | |
| 7,349.00 | 0.600 | 46.00 | 7,135.88 | 1,073.71 | 625.01 | 1,242.36 | 0.23 | -0.21 | 8.11 | |
| 7,445.00 | 0.700 | 46.10 | 7,231.87 | 1,074.47 | 625.79 | 1,243.41 | 0.10 | 0.10 | 0.10 | |
| 7,528.00 | 0.800 | 65.30 | 7,314.87 | 1,075.06 | 626.68 | 1,244.38 | 0.32 | 0.12 | 23.13 | |
| 7,575.00 | 0.800 | 65.30 | 7,361.86 | 1,075.34 | 627.28 | 1,244.91 | 0.00 | 0.00 | 0.00 | |

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|------------------|---------------------------|-------------------------------------|-----------------------------|
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| Project: | Garfield County, Colorado | TVD Reference: | KB @ 6126.90ft |
| Site: | MDP 11 Pad | MD Reference: | KB @ 6126.90ft |
| Well: | GGU Federal 41D-29-691 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Compass VM |

| Casing Points | | | | | |
|---------------------|---------------------|--------|--|----------------------|--------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | | Casing Diameter (ft) | Hole Diameter (ft) |
| 738.00 | 737.99 | 9 5/8" | | 0.80 | 1.02 |

| Survey Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N/-S (ft) | +E/-W (ft) | | |
| 660.00 | 659.99 | 1.58 | 0.82 | End of Gyros | |

Checked By: _____ Approved By: _____ Date: _____