



Well Name and Number:

GGU Federal 22A-28-691

Patterson 313
Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





July 8, 2010

Troy Schindler
Drilling Manager

Bill Barrett Corporation
1099 18th Street
Suite 2300
Denver, CO 80202

Well Reference: **GGU Federal 22A-28-691**
Garfield County, Colorado

Dear Troy,

Enclosed you will find our End of Well Report for the above referenced well.

If you have any questions or comments, please do not hesitate to contact me at anytime.

Thank you very much for your confidence and this opportunity to serve **Bill Barrett Corporation**.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Williams".

Stephen Williams



swilliams@sharewell.com



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 9 Pad

GGU Federal 22A-28-691

Wellbore #1

Survey: Surveys

Standard Survey Report

08 July, 2010

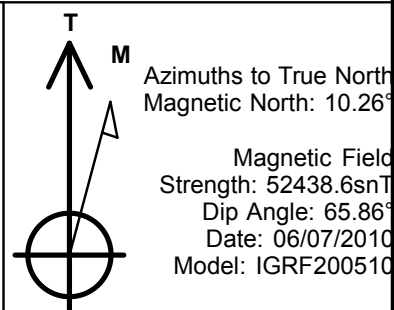
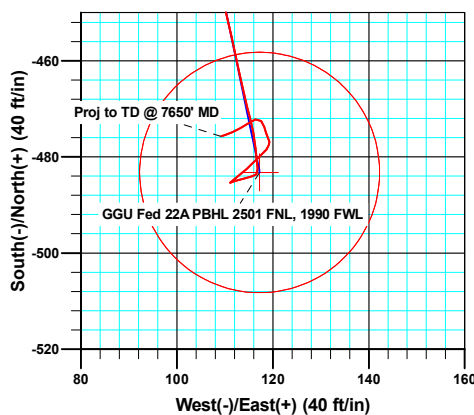
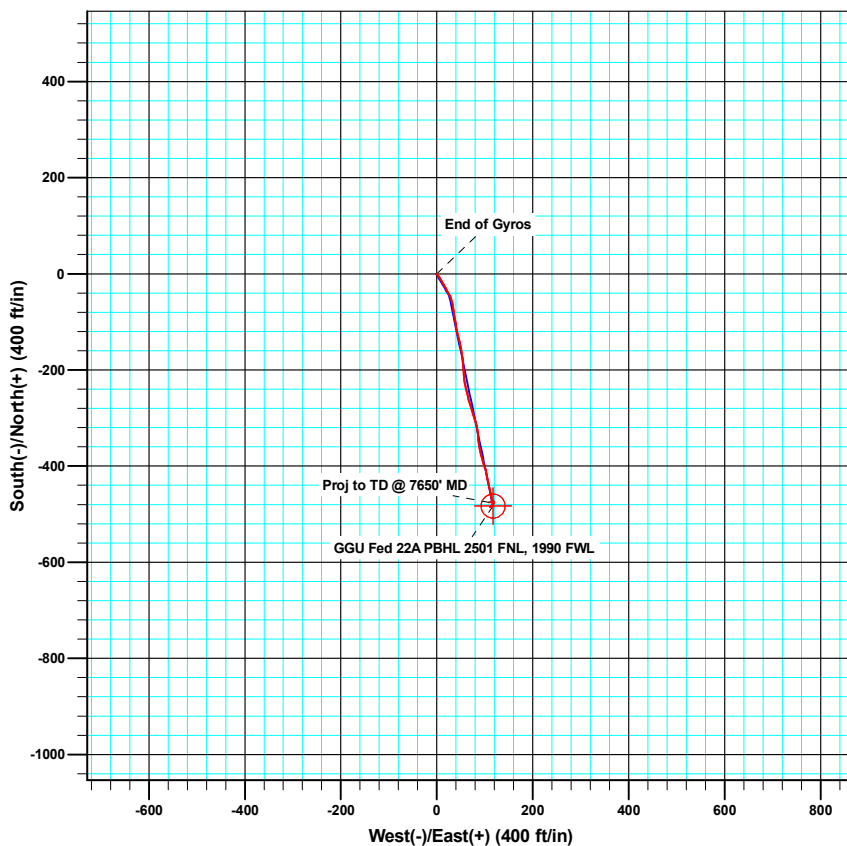
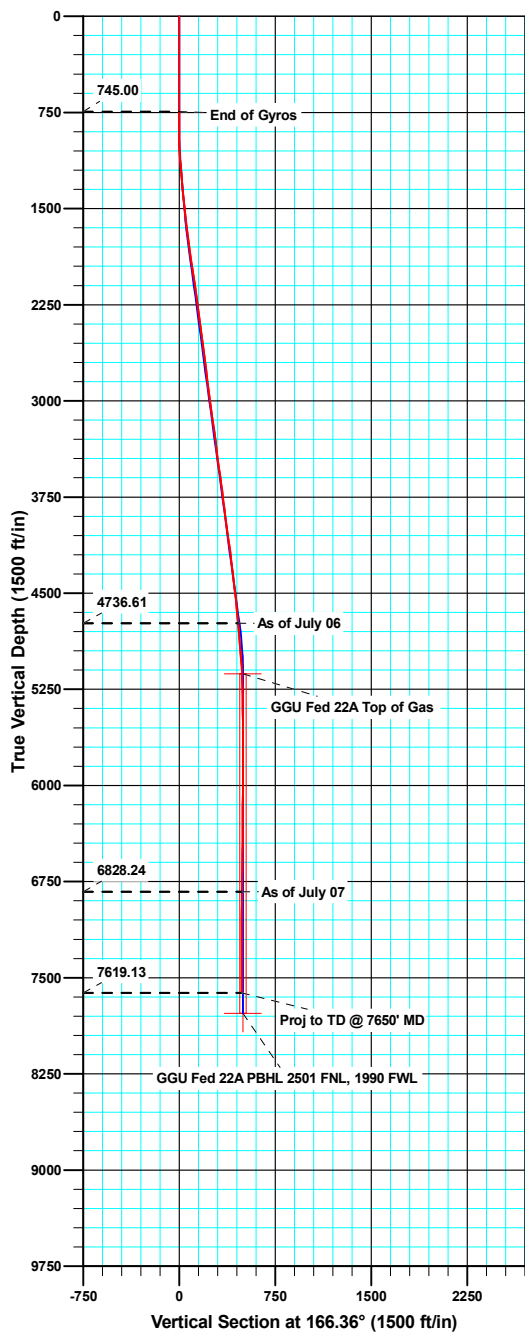




WELL DETAILS: GGU Federal 22A-28-691

Ground Level: 6332.00

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1613882.69 2418238.49 39.500760 -107.561835



ANNOTATIONS

| TVD | MD | Inc | Azi | +N/-S | +E/-W | V/Sect | Departure | Annotation |
|---------|---------|------|--------|---------|--------|--------|-----------|-----------------------|
| 4736.61 | 4766.00 | 5.20 | 166.70 | -447.06 | 109.60 | 460.30 | 465.83 | As of July 06 |
| 6828.24 | 6859.00 | 0.70 | 333.10 | -475.98 | 118.99 | 490.62 | 522.33 | As of July 07 |
| 7619.13 | 7650.00 | 1.20 | 252.10 | -475.70 | 109.16 | 488.03 | 535.84 | Proj to TD @ 7650' MD |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well GGU Federal 22A-28-691 |
| Project: | Garfield County, Colorado | TVD Reference: | KB @ 6354.00ft |
| Site: | MDP 9 Pad | MD Reference: | KB @ 6354.00ft |
| Well: | GGU Federal 22A-28-691 | 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 | | |

| | | | | | |
|-----------------------|----------|--------------|-------------------|-------------------|-------------|
| Site | | MDP 9 Pad | | | |
| Site Position: | | Northing: | 1,613,962.06 usft | Latitude: | 39.500977 |
| From: | Lat/Long | Easting: | 2,418,224.77 usft | Longitude: | -107.561890 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 0.00 ft | Grid Convergence: | -1.30 ° |

| Well | | GGU Federal 22A-28-691 | | | | |
|----------------------|-------|------------------------|---------------------|-------------------|---------------|-------------|
| Well Position | +N/-S | 0.00 ft | Northing: | 1,613,882.68 usft | Latitude: | 39.500760 |
| | +E/-W | 0.00 ft | Easting: | 2,418,238.49 usft | Longitude: | -107.561835 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 6,332.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 06/07/10 | 10.26 | 65.86 | 52,439 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| 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 | 166.36 | |

| | | | | | |
|-----------------------|----------------|----------------------------|------------------|--------------------|--|
| Survey Program | Date | 07/08/10 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 50.00 | 745.00 | Gyro Surveys (Wellbore #1) | MWD | MWD - Standard | |
| 870.00 | 7,650.00 | Surveys (Wellbore #1) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| 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) | |
| 745.00 | 0.04 | 189.20 | 745.00 | -0.29 | -0.46 | 0.17 | 0.00 | 0.00 | 0.00 | |
| 806.80 | 0.18 | 356.85 | 806.80 | -0.21 | -0.47 | 0.09 | 0.35 | 0.22 | 271.27 | |
| 9 5/8" | | | | | | | | | | |
| 870.00 | 0.40 | 358.10 | 870.00 | 0.11 | -0.48 | -0.22 | 0.35 | 0.35 | 1.98 | |
| 961.00 | 1.10 | 133.10 | 960.99 | -0.17 | 0.14 | 0.20 | 1.55 | 0.77 | 148.35 | |
| 1,056.00 | 2.90 | 149.30 | 1,055.93 | -2.86 | 2.04 | 3.26 | 1.97 | 1.89 | 17.05 | |
| 1,151.00 | 4.80 | 147.50 | 1,150.71 | -8.28 | 5.40 | 9.32 | 2.00 | 2.00 | -1.89 | |
| 1,247.00 | 5.20 | 149.20 | 1,246.35 | -15.41 | 9.78 | 17.28 | 0.44 | 0.42 | 1.77 | |
| 1,342.00 | 5.50 | 149.50 | 1,340.93 | -23.03 | 14.30 | 25.75 | 0.32 | 0.32 | 0.32 | |
| 1,437.00 | 5.90 | 150.20 | 1,435.46 | -31.19 | 19.04 | 34.80 | 0.43 | 0.42 | 0.74 | |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well GGU Federal 22A-28-691 |
| Project: | Garfield County, Colorado | TVD Reference: | KB @ 6354.00ft |
| Site: | MDP 9 Pad | MD Reference: | KB @ 6354.00ft |
| Well: | GGU Federal 22A-28-691 | 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) |
| 1,532.00 | 6.30 | 148.50 | 1,529.92 | -39.87 | 24.19 | 44.45 | 0.46 | 0.42 | -1.79 |
| 1,627.00 | 6.90 | 158.60 | 1,624.30 | -49.62 | 28.99 | 55.06 | 1.37 | 0.63 | 10.63 |
| 1,723.00 | 7.50 | 168.90 | 1,719.54 | -61.14 | 32.30 | 67.04 | 1.48 | 0.63 | 10.73 |
| 1,818.00 | 8.00 | 170.10 | 1,813.68 | -73.74 | 34.63 | 79.83 | 0.55 | 0.53 | 1.26 |
| 1,913.00 | 8.70 | 171.00 | 1,907.67 | -87.35 | 36.89 | 93.58 | 0.75 | 0.74 | 0.95 |
| 2,008.00 | 8.70 | 170.70 | 2,001.58 | -101.53 | 39.18 | 107.91 | 0.05 | 0.00 | -0.32 |
| 2,103.00 | 8.00 | 171.80 | 2,095.57 | -115.17 | 41.28 | 121.66 | 0.76 | -0.74 | 1.16 |
| 2,198.00 | 7.50 | 164.50 | 2,189.70 | -127.69 | 43.88 | 134.43 | 1.16 | -0.53 | -7.68 |
| 2,293.00 | 8.00 | 165.90 | 2,283.83 | -140.07 | 47.15 | 147.24 | 0.56 | 0.53 | 1.47 |
| 2,388.00 | 7.30 | 169.40 | 2,377.99 | -152.42 | 49.87 | 159.88 | 0.88 | -0.74 | 3.68 |
| 2,483.00 | 7.70 | 171.40 | 2,472.18 | -164.64 | 51.93 | 172.25 | 0.50 | 0.42 | 2.11 |
| 2,578.00 | 7.30 | 173.10 | 2,566.36 | -176.93 | 53.61 | 184.58 | 0.48 | -0.42 | 1.79 |
| 2,674.00 | 7.70 | 174.60 | 2,661.54 | -189.38 | 54.95 | 197.00 | 0.46 | 0.42 | 1.56 |
| 2,769.00 | 7.10 | 174.60 | 2,755.75 | -201.57 | 56.10 | 209.11 | 0.63 | -0.63 | 0.00 |
| 2,864.00 | 7.10 | 177.50 | 2,850.02 | -213.28 | 56.91 | 220.68 | 0.38 | 0.00 | 3.05 |
| 2,959.00 | 7.80 | 170.90 | 2,944.22 | -225.51 | 58.18 | 232.87 | 1.16 | 0.74 | -6.95 |
| 3,054.00 | 7.70 | 166.60 | 3,038.35 | -238.06 | 60.68 | 245.66 | 0.62 | -0.11 | -4.53 |
| 3,149.00 | 8.20 | 167.40 | 3,132.44 | -250.87 | 63.63 | 258.80 | 0.54 | 0.53 | 0.84 |
| 3,244.00 | 7.60 | 163.10 | 3,226.54 | -263.49 | 66.93 | 271.84 | 0.89 | -0.63 | -4.53 |
| 3,339.00 | 7.30 | 162.30 | 3,320.74 | -275.25 | 70.60 | 284.14 | 0.33 | -0.32 | -0.84 |
| 3,434.00 | 7.40 | 163.70 | 3,414.96 | -286.87 | 74.15 | 296.27 | 0.22 | 0.11 | 1.47 |
| 3,529.00 | 8.00 | 163.50 | 3,509.10 | -299.08 | 77.74 | 308.98 | 0.63 | 0.63 | -0.21 |
| 3,624.00 | 8.40 | 161.10 | 3,603.13 | -311.99 | 81.87 | 322.49 | 0.55 | 0.42 | -2.53 |
| 3,720.00 | 6.80 | 174.80 | 3,698.29 | -324.28 | 84.65 | 335.10 | 2.51 | -1.67 | 14.27 |
| 3,815.00 | 6.50 | 177.20 | 3,792.65 | -335.25 | 85.43 | 345.94 | 0.43 | -0.32 | 2.53 |
| 3,910.00 | 7.60 | 171.90 | 3,886.93 | -346.84 | 86.58 | 357.48 | 1.34 | 1.16 | -5.58 |
| 4,005.00 | 8.00 | 170.50 | 3,981.05 | -359.58 | 88.55 | 370.33 | 0.47 | 0.42 | -1.47 |
| 4,100.00 | 8.00 | 165.50 | 4,075.13 | -372.50 | 91.30 | 383.53 | 0.73 | 0.00 | -5.26 |
| 4,195.00 | 7.90 | 164.80 | 4,169.22 | -385.21 | 94.66 | 396.67 | 0.15 | -0.11 | -0.74 |
| 4,290.00 | 7.20 | 163.20 | 4,263.39 | -397.20 | 98.10 | 409.14 | 0.77 | -0.74 | -1.68 |
| 4,385.00 | 6.50 | 162.40 | 4,357.71 | -408.03 | 101.44 | 420.44 | 0.74 | -0.74 | -0.84 |
| 4,480.00 | 6.50 | 170.00 | 4,452.11 | -418.45 | 104.00 | 431.18 | 0.90 | 0.00 | 8.00 |
| 4,576.00 | 6.00 | 170.10 | 4,547.53 | -428.74 | 105.81 | 441.60 | 0.52 | -0.52 | 0.10 |
| 4,671.00 | 5.70 | 168.10 | 4,642.04 | -438.25 | 107.64 | 451.27 | 0.38 | -0.32 | -2.11 |
| 4,766.00 | 5.20 | 166.70 | 4,736.61 | -447.06 | 109.60 | 460.30 | 0.54 | -0.53 | -1.47 |
| 4,861.00 | 4.70 | 167.10 | 4,831.26 | -455.04 | 111.46 | 468.49 | 0.53 | -0.53 | 0.42 |
| 4,956.00 | 4.50 | 169.50 | 4,925.95 | -462.50 | 113.01 | 476.11 | 0.29 | -0.21 | 2.53 |
| 5,051.00 | 4.20 | 164.20 | 5,020.68 | -469.51 | 114.63 | 483.30 | 0.53 | -0.32 | -5.58 |
| 5,146.00 | 2.70 | 170.30 | 5,115.50 | -475.07 | 115.96 | 489.01 | 1.62 | -1.58 | 6.42 |
| 5,242.00 | 1.30 | 176.00 | 5,211.44 | -478.38 | 116.41 | 492.34 | 1.47 | -1.46 | 5.94 |
| 5,337.00 | 1.20 | 170.30 | 5,306.42 | -480.44 | 116.66 | 494.40 | 0.17 | -0.11 | -6.00 |
| 5,432.00 | 1.20 | 177.20 | 5,401.40 | -482.41 | 116.87 | 496.37 | 0.15 | 0.00 | 7.26 |
| 5,527.00 | 0.50 | 238.10 | 5,496.39 | -483.62 | 116.57 | 497.47 | 1.11 | -0.74 | 64.11 |

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well GGU Federal 22A-28-691 |
| Project: | Garfield County, Colorado | TVD Reference: | KB @ 6354.00ft |
| Site: | MDP 9 Pad | MD Reference: | KB @ 6354.00ft |
| Well: | GGU Federal 22A-28-691 | 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) |
| 5,622.00 | 0.70 | 251.00 | 5,591.38 | -484.03 | 115.67 | 497.66 | 0.25 | 0.21 | 13.58 |
| 5,717.00 | 1.10 | 256.40 | 5,686.37 | -484.43 | 114.23 | 497.71 | 0.43 | 0.42 | 5.68 |
| 5,813.00 | 1.40 | 254.80 | 5,782.35 | -484.96 | 112.21 | 497.74 | 0.31 | 0.31 | -1.67 |
| 5,908.00 | 0.10 | 183.30 | 5,877.34 | -485.35 | 111.08 | 497.85 | 1.44 | -1.37 | -75.26 |
| 6,003.00 | 1.30 | 48.80 | 5,972.33 | -484.72 | 111.89 | 497.43 | 1.44 | 1.26 | -141.58 |
| 6,098.00 | 1.10 | 52.40 | 6,067.31 | -483.45 | 113.42 | 496.56 | 0.22 | -0.21 | 3.79 |
| 6,193.00 | 0.80 | 44.30 | 6,162.30 | -482.42 | 114.61 | 495.84 | 0.35 | -0.32 | -8.53 |
| 6,288.00 | 1.00 | 48.10 | 6,257.28 | -481.39 | 115.69 | 495.10 | 0.22 | 0.21 | 4.00 |
| 6,383.00 | 0.80 | 44.20 | 6,352.27 | -480.36 | 116.77 | 494.35 | 0.22 | -0.21 | -4.11 |
| 6,479.00 | 0.90 | 47.50 | 6,448.26 | -479.37 | 117.79 | 493.63 | 0.12 | 0.10 | 3.44 |
| 6,574.00 | 0.70 | 36.30 | 6,543.25 | -478.40 | 118.68 | 492.90 | 0.27 | -0.21 | -11.79 |
| 6,669.00 | 0.50 | 20.50 | 6,638.25 | -477.55 | 119.17 | 492.18 | 0.27 | -0.21 | -16.63 |
| 6,764.00 | 0.40 | 354.10 | 6,733.24 | -476.83 | 119.28 | 491.51 | 0.24 | -0.11 | -27.79 |
| 6,859.00 | 0.70 | 333.10 | 6,828.24 | -475.98 | 118.99 | 490.62 | 0.38 | 0.32 | -22.11 |
| 6,954.00 | 0.70 | 341.30 | 6,923.23 | -474.91 | 118.54 | 489.47 | 0.11 | 0.00 | 8.63 |
| 7,049.00 | 0.70 | 346.30 | 7,018.23 | -473.80 | 118.21 | 488.31 | 0.06 | 0.00 | 5.26 |
| 7,144.00 | 1.10 | 322.80 | 7,113.21 | -472.51 | 117.53 | 486.90 | 0.56 | 0.42 | -24.74 |
| 7,239.00 | 0.90 | 239.50 | 7,208.20 | -472.16 | 116.33 | 486.28 | 1.41 | -0.21 | -87.68 |
| 7,335.00 | 1.20 | 240.10 | 7,304.19 | -473.05 | 114.81 | 486.78 | 0.31 | 0.31 | 0.63 |
| 7,430.00 | 1.10 | 237.10 | 7,399.17 | -474.04 | 113.18 | 487.36 | 0.12 | -0.11 | -3.16 |
| 7,525.00 | 1.10 | 248.30 | 7,494.15 | -474.87 | 111.57 | 487.79 | 0.23 | 0.00 | 11.79 |
| 7,605.00 | 1.20 | 252.10 | 7,574.14 | -475.41 | 110.06 | 487.96 | 0.16 | 0.13 | 4.75 |
| 7,650.00 | 1.20 | 252.10 | 7,619.13 | -475.70 | 109.16 | 488.03 | 0.00 | 0.00 | 0.00 |

| Casing Points | | | | |
|---------------------|---------------------|--------|----------------------|--------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (ft) | Hole Diameter (ft) |
| 806.80 | 806.80 | 9 5/8" | 0.80 | 1.02 |

| Survey Annotations | | | | |
|---------------------|---------------------|-------------------|------------|-----------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 4,766.00 | 4,736.61 | -447.06 | 109.60 | As of July 06 |
| 6,859.00 | 6,828.24 | -475.98 | 118.99 | As of July 07 |
| 7,650.00 | 7,619.13 | -475.70 | 109.16 | Proj to TD @ 7650' MD |

Checked By: _____ Approved By: _____ Date: _____



| | | | | |
|-------------------|------------------------|----------------------------|-----------|--------|
| SDI Job #: | 20100616 | Report Time: | 2400 | 1 of 4 |
| COMPANY: | Bill Barrett | API JOB # | | |
| LOCATION: | Silt | WORK ORDER# | | |
| RIG NAME: | Patterson 313 | FIELD: | MDP 9 Pad | |
| STATE: | Colorado | Sec-Twn-Rng: | | |
| COUNTY: | Garfield | AFE# & District | | |
| WELL NAME: | GGU Federal 22A-28-691 | | | |

From Sunday, July 04, 2010 at 0000 to Sunday, July 04, 2010 at 2400

| DRILLING SUMMARY | | | | Drilling Parameters | | | | | | | |
|------------------------|----------------|-------------------|--------|---------------------|----------|-----------|-------|--|-----------|---------|----|
| Start Depth | 857.00 | Rotary Hours | 7.08 | WOB | 15 | Pick UP | 0 | Slack Off | 0 | SPM | |
| End Depth | 2590.00 | Circulating Hours | 0.35 | RAB | 0 | SPP | 1214 | FlowRate | 502 - 502 | 120 | |
| Total Drilled: | 1733.00 | Avg. Total ROP: | 194.36 | Mud Data | | | | | | | |
| Total Rotary Drilled: | 1576.00 | Avg. Rotary ROP: | 222.49 | Type | LSND/LSD | | | PV | 18 | SOLID | 1 |
| Total Drilled Sliding: | 157.00 | Avg. Slide ROP: | 85.64 | Weight | 8.8 | GAS | 0 | YP | 13 | BHT° | 0 |
| Slide Hours: | 1.83 | Percent Rotary: | 90.94 | Viscosity | 41 | SAND | 0.01 | PH | 9.1 | Flow T° | 89 |
| Below Rotary Hrs. | 12.58 | Percent Slide: | 9.06 | Chlorides | 1000 | WL | 6.4 | | | Oil % | 0 |
| PERSONNEL | | | | Casing | | | | | BHA | | |
| Lead Directional : | Bobby Wolf | | | Size | Lb/ft | Set Depth | | BHA # 1:FXD56M 5x16, 6 1/2" Motor, 6 1/2" UBHO, 6 1/2" Tool Carrier, 6 1/2" Gap Sub, 6 1/2" Batt Sub, 6 1/2" Monel, 4 1/2 Spiral HWDP, | | | |
| Second Directional : | Ricky Harris | | | Signature: | | | | | | | |
| MWD Operator1 | Jack Carsrud | | | | | | | | | | |
| MWD Operator2 | | | | | | | | | | | |
| Directional Company: | Sharewell | | | | | | | | | | |
| Geologist: | | | | | | | | | | | |
| Company Man: | Robert Schultz | | | | | | | | | | |
| Incl. In: | 0.04 | Azm. In: | 189.2 | Incl. Out: | 7.7 | Azm. Out: | 171.4 | | | | |

GENERAL COMMENT

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|--------------------|-------------------------------------|
| 4-Jul-10 | 11:25 | 12:35 | 1.17 | 857 | 857 | Change BHA | P/U BHA/MWD |
| 4-Jul-10 | 12:35 | 13:14 | 0.65 | 857 | 857 | TIH | TIH |
| 4-Jul-10 | 13:14 | 13:44 | 0.50 | 857 | 915 | Drilling | Drilling |
| 4-Jul-10 | 13:44 | 13:49 | 0.08 | 915 | 915 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 13:49 | 14:10 | 0.35 | 915 | 915 | Rig Service-Inhole | Rig Service-Inhole |
| 4-Jul-10 | 14:10 | 14:14 | 0.07 | 915 | 932 | Sliding | Sliding |
| 4-Jul-10 | 14:14 | 14:31 | 0.28 | 932 | 1006 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 14:31 | 14:36 | 0.08 | 1006 | 1006 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 14:36 | 14:45 | 0.15 | 1006 | 1024 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 14:45 | 15:04 | 0.32 | 1024 | 1101 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 15:04 | 15:09 | 0.08 | 1101 | 1101 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 15:09 | 15:19 | 0.17 | 1101 | 1120 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 15:19 | 15:41 | 0.37 | 1120 | 1196 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 15:41 | 15:46 | 0.08 | 1196 | 1196 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 15:46 | 16:08 | 0.37 | 1196 | 1292 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 16:08 | 16:13 | 0.08 | 1292 | 1292 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 16:13 | 16:38 | 0.42 | 1292 | 1387 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|-------------------------------------|
| 4-Jul-10 | 16:38 | 16:43 | 0.08 | 1387 | 1387 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 16:43 | 17:07 | 0.40 | 1387 | 1482 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 17:07 | 17:12 | 0.08 | 1482 | 1482 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 17:12 | 17:33 | 0.35 | 1482 | 1577 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 17:33 | 17:38 | 0.08 | 1577 | 1577 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 17:38 | 17:44 | 0.10 | 1577 | 1589 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 17:44 | 18:02 | 0.30 | 1589 | 1672 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 18:02 | 18:07 | 0.08 | 1672 | 1672 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 18:07 | 18:19 | 0.20 | 1672 | 1687 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 18:19 | 18:37 | 0.30 | 1687 | 1768 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 18:37 | 18:42 | 0.08 | 1768 | 1768 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 18:42 | 19:02 | 0.33 | 1768 | 1863 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 19:02 | 19:07 | 0.08 | 1863 | 1863 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 19:07 | 19:33 | 0.43 | 1863 | 1958 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 19:33 | 19:38 | 0.08 | 1958 | 1958 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 19:38 | 19:50 | 0.20 | 1958 | 1970 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 19:50 | 20:12 | 0.37 | 1970 | 2053 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 20:12 | 20:17 | 0.08 | 2053 | 2053 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 20:17 | 20:36 | 0.32 | 2053 | 2070 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 20:36 | 20:55 | 0.32 | 2070 | 2148 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 20:55 | 21:00 | 0.08 | 2148 | 2148 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 21:00 | 21:11 | 0.18 | 2148 | 2163 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 21:11 | 21:32 | 0.35 | 2163 | 2243 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 21:32 | 21:37 | 0.08 | 2243 | 2243 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 21:37 | 22:02 | 0.42 | 2243 | 2338 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 22:02 | 22:07 | 0.08 | 2338 | 2338 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 22:07 | 22:18 | 0.18 | 2338 | 2355 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 22:18 | 22:42 | 0.40 | 2355 | 2433 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 22:42 | 22:47 | 0.08 | 2433 | 2433 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 22:47 | 23:22 | 0.58 | 2433 | 2528 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 4-Jul-10 | 23:22 | 23:27 | 0.08 | 2528 | 2528 | Survey & Conn. | Survey & Conn. |
| 4-Jul-10 | 23:27 | 23:43 | 0.27 | 2528 | 2543 | Sliding | Sliding - (WOB:20;GPM :502;TFO:0) |
| 4-Jul-10 | 23:43 | 24:00 | 0.28 | 2543 | 2590 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |



Bill Barrett Corporation

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|-------------------|------------------------|----------------------------|-----------|--------|
| SDI Job #: | 20100616 | Report Time: | 2400 | 2 of 4 |
| COMPANY: | Bill Barrett | API JOB # | | |
| LOCATION: | Silt | WORK ORDER# | | |
| RIG NAME: | Patterson 313 | FIELD: | MDP 9 Pad | |
| STATE: | Colorado | Sec-Twn-Rng: | | |
| COUNTY: | Garfield | AFE# & District | | |
| WELL NAME: | GGU Federal 22A-28-691 | | | |

From Monday, July 05, 2010 at 0000 to Monday, July 05, 2010 at 2400

| DRILLING SUMMARY | | | | Drilling Parameters | | | | | | | |
|------------------------|----------------|-------------------|--------|---------------------|----------|-----------|-------|--|-----------|---------|----|
| Start Depth | 2590.00 | Rotary Hours | 13.08 | WOB | 25 | Pick UP | 163 | Slack Off | 136 | SPM | |
| End Depth | 4225.00 | Circulating Hours | 0.42 | RAB | 151 | SPP | 1345 | FlowRate | 418 - 502 | 100 | |
| Total Drilled: | 1635.00 | Avg. Total ROP: | 104.70 | Mud Data | | | | | | | |
| Total Rotary Drilled: | 1507.00 | Avg. Rotary ROP: | 115.18 | Type | LSND/LSD | | | PV | 13 | SOLID | 6 |
| Total Drilled Sliding: | 128.00 | Avg. Slide ROP: | 50.53 | Weight | 9.2 | GAS | 0 | YP | 11 | BHT° | 0 |
| Slide Hours: | 2.53 | Percent Rotary: | 92.17 | Viscosity | 40 | SAND | 0.01 | PH | 9.4 | Flow T° | 88 |
| Below Rotary Hrs. | 24.00 | Percent Slide: | 7.83 | Chlorides | 1000 | WL | 5.6 | | | Oil % | 0 |
| PERSONNEL | | | | Casing | | | | | BHA | | |
| Lead Directional : | Bobby Wolf | | | Size | Lb/ft | Set Depth | | BHA # 2:FX55M 5x16, 6 1/2 Motor, 6 1/2" UBHO, 6 1/2" Tool Carrier, 6 1/2" Gap Sub, 6 1/2" Batt Sub, 6 1/2" Monel, 4 1/2 Spiral HWDP, | | | |
| Second Directional : | Ricky Harris | | | Signature: | | | | | | | |
| MWD Operator1 | Jack Carsrud | | | | | | | | | | |
| MWD Operator2 | | | | | | | | | | | |
| Directional Company: | Sharewell | | | | | | | | | | |
| Geologist: | | | | | | | | | | | |
| Company Man: | Robert Schultz | | | | | | | | | | |
| Incl. In: | 7.7 | Azm. In: | 171.4 | Incl. Out: | 8 | Azm. Out: | 165.5 | | | | |

GENERAL COMMENT

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|-------------------------------------|
| 5-Jul-10 | 00:00 | 00:07 | 0.12 | 2590 | 2623 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 00:07 | 00:13 | 0.10 | 2623 | 2623 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 00:13 | 00:41 | 0.47 | 2623 | 2719 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 00:41 | 00:46 | 0.08 | 2719 | 2719 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 00:46 | 01:02 | 0.27 | 2719 | 2736 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 01:02 | 01:37 | 0.58 | 2736 | 2814 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 01:37 | 01:42 | 0.08 | 2814 | 2814 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 01:42 | 02:08 | 0.43 | 2814 | 2909 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 02:08 | 02:13 | 0.08 | 2909 | 2909 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 02:13 | 02:29 | 0.27 | 2909 | 2926 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 02:29 | 02:55 | 0.43 | 2926 | 3004 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 02:55 | 03:00 | 0.08 | 3004 | 3004 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 03:00 | 03:07 | 0.12 | 3004 | 3014 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 03:07 | 03:37 | 0.50 | 3014 | 3099 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 03:37 | 03:42 | 0.08 | 3099 | 3099 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 03:42 | 04:38 | 0.93 | 3099 | 3194 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 04:38 | 04:43 | 0.08 | 3194 | 3194 | Survey & Conn. | Survey & Conn. |

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|--------------------|-------------------------------------|
| 5-Jul-10 | 04:43 | 05:02 | 0.32 | 3194 | 3211 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 05:02 | 05:37 | 0.58 | 3211 | 3289 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 05:37 | 05:42 | 0.08 | 3289 | 3289 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 05:42 | 06:00 | 0.30 | 3289 | 3306 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 06:00 | 07:04 | 1.07 | 3306 | 3384 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 07:04 | 07:09 | 0.08 | 3384 | 3384 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 07:09 | 08:10 | 1.02 | 3384 | 3479 | Drilling | Drilling - (WOB:15;GPM :502;RPM:45) |
| 5-Jul-10 | 08:10 | 08:15 | 0.08 | 3479 | 3479 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 08:15 | 09:33 | 1.30 | 3479 | 3574 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 09:33 | 09:38 | 0.08 | 3574 | 3574 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 09:38 | 10:42 | 1.07 | 3574 | 3669 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 10:42 | 10:47 | 0.08 | 3669 | 3669 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 10:47 | 10:51 | 0.07 | 3669 | 3674 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 10:51 | 11:19 | 0.47 | 3674 | 3694 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 11:19 | 11:44 | 0.42 | 3694 | 3765 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 11:44 | 11:49 | 0.08 | 3765 | 3765 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 11:49 | 12:34 | 0.75 | 3765 | 3860 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 12:34 | 12:39 | 0.08 | 3860 | 3860 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 12:39 | 13:10 | 0.52 | 3860 | 3880 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 13:10 | 13:52 | 0.70 | 3880 | 3955 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 13:52 | 13:57 | 0.08 | 3955 | 3955 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 13:57 | 14:54 | 0.95 | 3955 | 4050 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 14:54 | 15:15 | 0.35 | 4050 | 4050 | Rig Service-Inhole | Rig Service-Inhole |
| 5-Jul-10 | 15:15 | 15:20 | 0.08 | 4050 | 4050 | Survey & Conn. | Survey & Conn. |
| 5-Jul-10 | 15:20 | 15:28 | 0.13 | 4050 | 4060 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 15:28 | 15:45 | 0.28 | 4060 | 4070 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 5-Jul-10 | 15:45 | 16:34 | 0.82 | 4070 | 4145 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 5-Jul-10 | 16:34 | 16:38 | 0.07 | 4145 | 4145 | MWD Survey | MWD Survey |
| 5-Jul-10 | 16:38 | 18:50 | 2.20 | 4145 | 4145 | POOH | POOH |
| 5-Jul-10 | 18:50 | 20:10 | 1.33 | 4145 | 4145 | Change BHA | Change BHA |
| 5-Jul-10 | 20:10 | 23:15 | 3.08 | 4145 | 4145 | TIH | TIH |
| 5-Jul-10 | 23:15 | 24:00 | 0.75 | 4145 | 4225 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |



Bill Barrett Corporation

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|-------------------|------------------------|----------------------------|-----------|--------|
| SDI Job #: | 20100616 | Report Time: | 2400 | 3 of 4 |
| COMPANY: | Bill Barrett | API JOB # | | |
| LOCATION: | Silt | WORK ORDER# | | |
| RIG NAME: | Patterson 313 | FIELD: | MDP 9 Pad | |
| STATE: | Colorado | Sec-Twn-Rng: | | |
| COUNTY: | Garfield | AFE# & District | | |
| WELL NAME: | GGU Federal 22A-28-691 | | | |

From Tuesday, July 06, 2010 at 0000 to Tuesday, July 06, 2010 at 2400

| DRILLING SUMMARY | | | | | Drilling Parameters | | | | | | |
|------------------------|----------------|-------------------|--------|------------|---------------------|-----------|------|--|-----------|---------|----|
| Start Depth | 4225.00 | Rotary Hours | 19.75 | WOB | 25 | Pick UP | 211 | Slack Off | 182 | SPM | |
| End Depth | 6714.00 | Circulating Hours | 0.28 | RAB | 195 | SPP | 2028 | FlowRate | 418 - 502 | 120 | |
| Total Drilled: | 2489.00 | Avg. Total ROP: | 115.86 | Mud Data | | | | | | | |
| Total Rotary Drilled: | 2412.00 | Avg. Rotary ROP: | 122.13 | Type | LSND/LSD | | | PV | 13 | SOLID | 5 |
| Total Drilled Sliding: | 77.00 | Avg. Slide ROP: | 44.42 | Weight | 9.1 | GAS | 0 | YP | 11 | BHT° | 0 |
| Slide Hours: | 1.73 | Percent Rotary: | 96.91 | Viscosity | 40 | SAND | 0.1 | PH | 9.8 | Flow T° | 94 |
| Below Rotary Hrs. | 24.00 | Percent Slide: | 3.09 | Chlorides | 800 | WL | 5.6 | | | Oil % | 0 |
| PERSONNEL | | | | Casing | | | | | BHA | | |
| Lead Directional : | Bobby Wolf | | | Size | Lb/ft | Set Depth | | BHA # 2:FX55M 5x16, 6 1/2 Motor, 6 1/2" UBHO, 6 1/2" Tool Carrier, 6 1/2" Gap Sub, 6 1/2" Batt Sub, 6 1/2" Monel, 4 1/2 Spiral HWDP, | | | |
| Second Directional : | Ricky Harris | | | Signature: | | | | | | | |
| MWD Operator1 | Jack Carsrud | | | | | | | | | | |
| MWD Operator2 | | | | | | | | | | | |
| Directional Company: | Sharewell | | | | | | | | | | |
| Geologist: | | | | | | | | | | | |
| Company Man: | Robert Schultz | | | | | | | | | | |
| Incl. In: | 8 | Azm. In: | 165.5 | Incl. Out: | 0.5 | Azm. Out: | 20.5 | | | | |

GENERAL COMMENT

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|-------------------------------------|
| 6-Jul-10 | 00:00 | 00:08 | 0.13 | 4225 | 4240 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 00:08 | 00:13 | 0.08 | 4240 | 4240 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 00:13 | 00:51 | 0.63 | 4240 | 4335 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 00:51 | 00:56 | 0.08 | 4335 | 4335 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 00:56 | 01:42 | 0.77 | 4335 | 4430 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 01:42 | 01:47 | 0.08 | 4430 | 4430 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 01:47 | 02:20 | 0.55 | 4430 | 4441 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 6-Jul-10 | 02:20 | 02:55 | 0.58 | 4441 | 4525 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 02:55 | 03:00 | 0.08 | 4525 | 4525 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 03:00 | 03:28 | 0.47 | 4525 | 4621 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 03:28 | 03:32 | 0.07 | 4621 | 4621 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 03:32 | 04:05 | 0.55 | 4621 | 4716 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 04:05 | 04:10 | 0.08 | 4716 | 4716 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 04:10 | 04:45 | 0.58 | 4716 | 4811 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 04:45 | 04:50 | 0.08 | 4811 | 4811 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 04:50 | 05:34 | 0.73 | 4811 | 4906 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 05:34 | 05:39 | 0.08 | 4906 | 4906 | Survey & Conn. | Survey & Conn. |

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|--------------------|-------------------------------------|
| 6-Jul-10 | 05:39 | 06:15 | 0.60 | 4906 | 5001 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 06:15 | 06:20 | 0.08 | 5001 | 5001 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 06:20 | 07:05 | 0.75 | 5001 | 5096 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 07:05 | 07:10 | 0.08 | 5096 | 5096 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 07:10 | 07:19 | 0.15 | 5096 | 5112 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 07:19 | 07:31 | 0.20 | 5112 | 5124 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 6-Jul-10 | 07:31 | 08:00 | 0.48 | 5124 | 5191 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 08:00 | 08:05 | 0.08 | 5191 | 5191 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 08:05 | 08:13 | 0.13 | 5191 | 5201 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 08:13 | 08:21 | 0.13 | 5201 | 5212 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 6-Jul-10 | 08:21 | 08:56 | 0.58 | 5212 | 5287 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 08:56 | 09:01 | 0.08 | 5287 | 5287 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 09:01 | 09:35 | 0.57 | 5287 | 5382 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 09:35 | 09:40 | 0.08 | 5382 | 5382 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 09:40 | 10:25 | 0.75 | 5382 | 5477 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 10:25 | 10:30 | 0.08 | 5477 | 5477 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 10:30 | 10:41 | 0.18 | 5477 | 5495 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 10:41 | 10:56 | 0.25 | 5495 | 5508 | Sliding | Sliding - (WOB:15;GPM :418;TFO:0) |
| 6-Jul-10 | 10:56 | 11:30 | 0.57 | 5508 | 5572 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 11:30 | 11:35 | 0.08 | 5572 | 5572 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 11:35 | 12:16 | 0.68 | 5572 | 5667 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 12:16 | 12:21 | 0.08 | 5667 | 5667 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 12:21 | 13:06 | 0.75 | 5667 | 5762 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 13:06 | 13:11 | 0.08 | 5762 | 5762 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 13:11 | 14:03 | 0.87 | 5762 | 5858 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 14:03 | 14:08 | 0.08 | 5858 | 5858 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 14:08 | 14:16 | 0.13 | 5858 | 5865 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 14:16 | 14:38 | 0.37 | 5865 | 5880 | Sliding | Sliding - (WOB:15;GPM :418;TFO:0) |
| 6-Jul-10 | 14:38 | 15:19 | 0.68 | 5880 | 5953 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 15:19 | 15:36 | 0.28 | 5953 | 5953 | Rig Service-Inhole | Rig Service-Inhole |
| 6-Jul-10 | 15:36 | 15:41 | 0.08 | 5953 | 5953 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 15:41 | 15:46 | 0.08 | 5953 | 5960 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 15:46 | 16:00 | 0.23 | 5960 | 5975 | Sliding | Sliding - (WOB:15;GPM :418;TFO:0) |
| 6-Jul-10 | 16:00 | 16:51 | 0.85 | 5975 | 6048 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 16:51 | 16:56 | 0.08 | 6048 | 6048 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 16:56 | 17:45 | 0.82 | 6048 | 6143 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 17:45 | 17:50 | 0.08 | 6143 | 6143 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 17:50 | 18:37 | 0.78 | 6143 | 6238 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 18:37 | 18:42 | 0.08 | 6238 | 6238 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 18:42 | 19:39 | 0.95 | 6238 | 6333 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 19:39 | 19:44 | 0.08 | 6333 | 6333 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 19:44 | 20:25 | 0.68 | 6333 | 6428 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 20:25 | 20:30 | 0.08 | 6428 | 6428 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 20:30 | 21:25 | 0.92 | 6428 | 6524 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 21:25 | 21:30 | 0.08 | 6524 | 6524 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 21:30 | 22:47 | 1.28 | 6524 | 6619 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 6-Jul-10 | 22:47 | 22:52 | 0.08 | 6619 | 6619 | Survey & Conn. | Survey & Conn. |
| 6-Jul-10 | 22:52 | 23:55 | 1.05 | 6619 | 6714 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|----------------|
| 6-Jul-10 | 23:55 | 24:00 | 0.08 | 6714 | 6714 | Survey & Conn. | Survey & Conn. |



Bill Barrett Corporation

| | | | | |
|-------------------|------------------------|----------------------------|-----------|--------|
| SDI Job #: | 20100616 | Report Time: | 2400 | 4 of 4 |
| COMPANY: | Bill Barrett | API JOB # | | |
| LOCATION: | Silt | WORK ORDER# | | |
| RIG NAME: | Patterson 313 | FIELD: | MDP 9 Pad | |
| STATE: | Colorado | Sec-Twn-Rng: | | |
| COUNTY: | Garfield | AFE# & District | | |
| WELL NAME: | GGU Federal 22A-28-691 | | | |

From Wednesday, July 07, 2010 at 0000 to Wednesday, July 07, 2010 at 2400

| DRILLING SUMMARY | | | | Drilling Parameters | | | | | | | |
|------------------------|----------------|-------------------|--------|---------------------|----------|-----------|------|---|-----------|---------|----|
| Start Depth | 6714.00 | Rotary Hours | 9.00 | WOB | 25 | Pick UP | 276 | Slack Off | 218 | SPM | |
| End Depth | 7650.00 | Circulating Hours | 1.42 | RAB | 238 | SPP | 2220 | FlowRate | 502 - 502 | 120 | |
| Total Drilled: | 936.00 | Avg. Total ROP: | 102.30 | Mud Data | | | | | | | |
| Total Rotary Drilled: | 919.00 | Avg. Rotary ROP: | 102.11 | Type | LSND/LSD | | | PV | 17 | SOLID | 5 |
| Total Drilled Sliding: | 17.00 | Avg. Slide ROP: | 113.33 | Weight | 9.3 | GAS | 0 | YP | 9 | BHT° | 0 |
| Slide Hours: | 0.15 | Percent Rotary: | 98.18 | Viscosity | 38 | SAND | 0.5 | PH | 9.6 | Flow T° | 98 |
| Below Rotary Hrs. | 20.50 | Percent Slide: | 1.82 | Chlorides | 800 | WL | 7.2 | | | Oil % | 0 |
| PERSONNEL | | | | Casing | | | | | BHA | | |
| Lead Directional : | Bobby Wolf | | | Size | Lb/ft | Set Depth | | BHA # 3:Q504FX 6X15, 6 1/2 Motor, 6 1/2" UBHO, 6 1/2" Tool Carrier, 6 1/2" Gap Sub, 6 1/2" Batt Sub, 6 1/2" Monel, 4 1/2 Spiral HWDP, | | | |
| Second Directional : | Ricky Harris | | | Signature: | | | | | | | |
| MWD Operator1 | Jack Carsrud | | | | | | | | | | |
| MWD Operator2 | | | | | | | | | | | |
| Directional Company: | Sharewell | | | | | | | | | | |
| Geologist: | | | | | | | | | | | |
| Company Man: | Robert Schultz | | | | | | | | | | |
| Incl. In: | 0.5 | Azm. In: | 20.5 | Incl. Out: | 0 | Azm. Out: | 0 | | | | |

GENERAL COMMENT

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|-------------------------------------|
| 7-Jul-10 | 00:00 | 01:10 | 1.17 | 6714 | 6809 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 7-Jul-10 | 01:10 | 01:15 | 0.08 | 6809 | 6809 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 01:15 | 02:32 | 1.28 | 6809 | 6904 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 7-Jul-10 | 02:32 | 02:37 | 0.08 | 6904 | 6904 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 02:37 | 03:54 | 1.28 | 6904 | 6958 | Drilling | Drilling - (WOB:25;GPM :418;RPM:45) |
| 7-Jul-10 | 03:54 | 06:45 | 2.85 | 6958 | 6958 | POOH | POOH |
| 7-Jul-10 | 06:45 | 07:00 | 0.25 | 6958 | 6958 | Change BHA | Change BHA |
| 7-Jul-10 | 07:00 | 10:05 | 3.08 | 6958 | 6958 | TIH | TIH |
| 7-Jul-10 | 10:05 | 10:31 | 0.43 | 6958 | 6999 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 10:31 | 10:36 | 0.08 | 6999 | 6999 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 10:36 | 11:25 | 0.82 | 6999 | 7094 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 11:25 | 11:30 | 0.08 | 7094 | 7094 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 11:30 | 12:12 | 0.70 | 7094 | 7189 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 12:12 | 12:17 | 0.08 | 7189 | 7189 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 12:17 | 12:24 | 0.12 | 7189 | 7195 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 12:24 | 12:33 | 0.15 | 7195 | 7212 | Sliding | Sliding - (WOB:15;GPM :502;TFO:0) |
| 7-Jul-10 | 12:33 | 13:02 | 0.48 | 7212 | 7284 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |

| Date | Start Time | End Time | Hours | Start Depth | End Depth | Activity Code | COMMENT |
|----------|------------|----------|-------|-------------|-----------|----------------|-------------------------------------|
| 7-Jul-10 | 13:02 | 13:07 | 0.08 | 7284 | 7284 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 13:07 | 13:39 | 0.53 | 7284 | 7380 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 13:39 | 13:44 | 0.08 | 7380 | 7380 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 13:44 | 14:31 | 0.78 | 7380 | 7475 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 14:31 | 14:36 | 0.08 | 7475 | 7475 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 14:36 | 15:22 | 0.77 | 7475 | 7570 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 15:22 | 15:27 | 0.08 | 7570 | 7570 | Survey & Conn. | Survey & Conn. |
| 7-Jul-10 | 15:27 | 16:05 | 0.63 | 7570 | 7650 | Drilling | Drilling - (WOB:25;GPM :502;RPM:45) |
| 7-Jul-10 | 16:05 | 16:08 | 0.05 | 7650 | 7650 | MWD Survey | MWD Survey |
| 7-Jul-10 | 16:08 | 17:30 | 1.37 | 7650 | 7650 | Circulating | Circulating |
| 7-Jul-10 | 17:30 | 20:30 | 3.00 | 7650 | 7650 | POOH | POOH / Laydown BHA/MWD |

Well Information

BHA # 1



SDI Job #: 20100616
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Patterson 313
STATE: Colorado
COUNTY: Garfield
WELL NAME: GGU Federal 22A-28-691

FIELD: MDP 9 Pad
Sec-Twn-Rng:
PO #/ DISTRICT
Lead DD: Bobby Wolf
Co. Man: Robert Schultz
BHA TYPE: Steerable Assembly

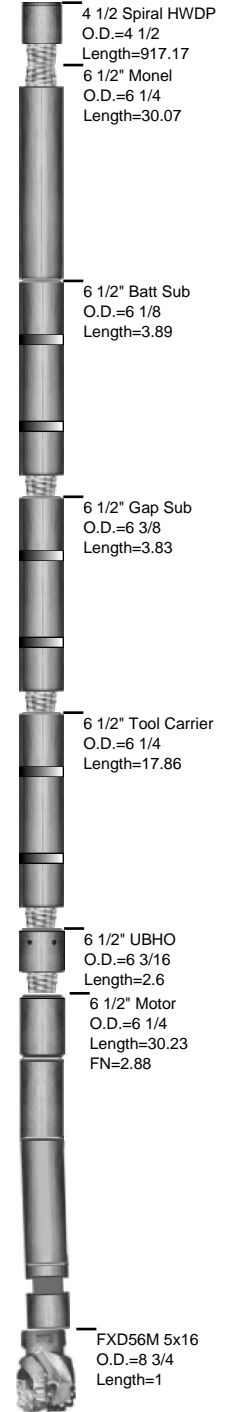
BHA Summary Information

| TIME IN - OUT | | | Rotary Hours | | 19.42 | | Start Depth | | 857.00 | | RPM Range | Flow Rate |
|------------------------|----------------------|-------------------|--------------|-------------|------------------|-----------------|-------------|---------|-------------|--------|-----------|-----------|
| Start Time | End Time | Circ Hrs Tot/Only | | 24.55 / .77 | | End Depth | | 4145.00 | | | | |
| 04-Jul-10 @ 12:35 | 05-Jul-10 @ 20:10 | Slide Hours | | 4.37 | | Percent Rotary: | | 91.33 | | 45 -45 | 418 -502 | |
| | | Below Rotary Hrs. | | 31.58 | | Percent Slide: | | 8.67 | | | | |
| Total Drilled: | | | 3288.00 | | Avg. Total ROP: | | 138.25 | | Incl. | | Azimuth | |
| Total Rotary Drilled: | | | 3003.00 | | Avg. Rotary ROP: | | 154.66 | | IN | OUT | IN | OUT |
| Total Drilled Sliding: | | | 285.00 | | Avg. Slide ROP: | | 65.27 | | .0 | .0 | .00 | .00 |
| SPP | 853 -1345 | Weights | SO | 0 -136 | PU | 0 -163 | RAB | 0 -151 | Reason POOH | | PR | |

| Bit Data | | | | | | | Motor Data | | | | | Mud Data | | | | |
|------------|----|-------------------|-------|--------|----|--------------|-----------------------------|------------|-------------------|--------|-------------------------|-------------------------|----------|-----|--|--|
| SEC. | | FXD56M 5x16 | | | | | 6.5 9:10lobe 3.7stg 1.76ako | | | | | Type | LSND/LSD | | | |
| Type Bit | | | | PDC | | | Model: 650 | | | Pad OD | | WT 9.2 GAS 0 Solids 6 | | | | |
| TFA | | 0.981 | | | | | MFG. Xcaliber | | | 6 3/4 | | Vis 40 SAND 0.01 T ° 88 | | | | |
| JETS | | 16 | 16 | 16 | 16 | 16 | Bend ° 1.76 | | Stator/Rotor 9:10 | | PV 13 PH 9.4 Chlor 1000 | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | Bit to Bend 6.46 | | Motor Diff 300 | | YP 11 WL 5.6 Oil % 0 | | | | | |
| Bit Coding | | | IADC# | | | Rev/GAL 0.21 | | | | | BHT° 0 | | | | | |
| IR | OR | DL | Loc | BS | G | ODL | NB Stab 0 | | Pumps | | PUMP1 | | PUMP1 | | | |
| | | | | | | | Rotor Jet 0 | | NAME | | | | | | | |
| | | | | | | | | | Model | | | | | | | |
| Bit Drop: | | 222 PSI @ 502 GPM | | | | | Sensor Offsets | | | Type | | | | | | |
| Comments | | | | Sensor | 45 | Sonic | 0 | Liner | | | | .00 | | .00 | | |
| | | | | Gamma | 0 | DNCS | 829 | Stroke | | | | .00 | | .00 | | |
| | | | | Restiv | 0 | GYRO | 0 | Efficiency | | | | .00 | | .00 | | |

BHA Detail

| # | Description | Serial # | I.D. | O.D. | Length | Sum | Top Conn |
|---|---------------------|---------------|-------|--------|--------|---------|------------|
| 1 | FXD56M 5x16 | 11497294 | | 8 3/4 | 1.00 | 1.00 | 4 1/2 REGP |
| 2 | 6 1/2" Motor | X65116 | | 6 1/4 | 30.23 | 31.23 | 4 1/2 XHB |
| 3 | 6 1/2" UBHO | 060-650-611MP | 3 1/4 | 6 3/16 | 2.60 | 33.83 | 4 1/2 IFB |
| 4 | 6 1/2" Tool Carrier | 060-650-335P | 3 1/4 | 6 1/4 | 17.86 | 51.69 | 4 1/2 IFB |
| 5 | 6 1/2" Gap Sub | 650-66-3G | 3 1/4 | 6 3/8 | 3.83 | 55.52 | 4 1/2 IFB |
| 6 | 6 1/2" Batt Sub | 060-650-302B | 3 1/4 | 6 1/8 | 3.89 | 59.41 | 4 1/2 IFB |
| 7 | 6 1/2" Monel | 060-650-335P | 3 1/4 | 6 1/4 | 30.07 | 89.48 | 4 1/2 XHP |
| 8 | 4 1/2 Spiral HWDP | Rig | 2 7/8 | 4 1/2 | 917.17 | 1006.65 | 4 1/2 XHB |



Well Information

BHA # 2



SDI Job #: 20100616
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Patterson 313
STATE: Colorado
COUNTY: Garfield
WELL NAME: GGU Federal 22A-28-691

FIELD: MDP 9 Pad
Sec-Twn-Rng:
PO #/ DISTRICT
Lead DD: Bobby Wolf
Co. Man: Robert Schultz
BHA TYPE: Pendulum Assembly

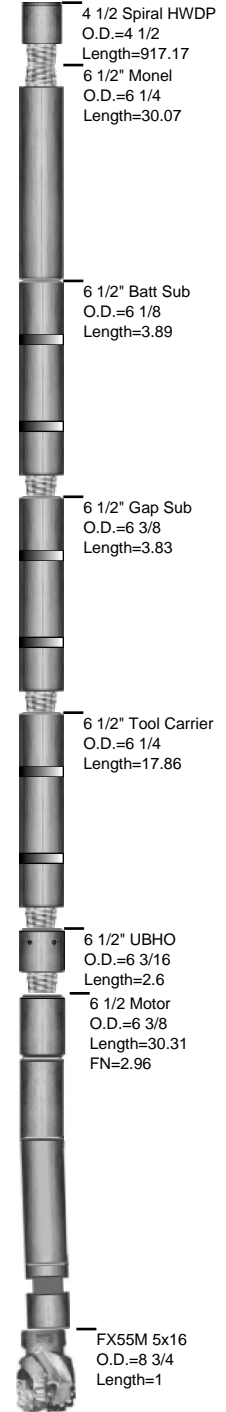
BHA Summary Information

| TIME IN - OUT | | | Rotary Hours | | 24.23 | | Start Depth | | 4145.00 | | RPM Range | Flow Rate |
|------------------------|----------------------|-------------------|--------------|-------------|------------------|-----------------|-------------|----------|-------------|--------|--------------|--------------|
| Start Time | End Time | Circ Hrs Tot/Only | | 26.25 / .28 | | End Depth | | 6958.00 | | | | |
| 05-Jul-10 @ 20:10 | 07-Jul-10 @ 07:00 | Slide Hours | | 1.73 | | Percent Rotary: | | 97.26 | | 45 -45 | 418 -502 | |
| | | Below Rotary Hrs. | | 34.83 | | Percent Slide: | | 2.74 | | | | |
| Total Drilled: | | | 2813.00 | | Avg. Total ROP: | | 108.33 | | Incl. | | Azimuth | |
| Total Rotary Drilled: | | | 2736.00 | | Avg. Rotary ROP: | | 112.90 | | IN | OUT | IN | OUT |
| Total Drilled Sliding: | | | 77.00 | | Avg. Slide ROP: | | 44.42 | | .0 | .0 | .00 | .00 |
| SPP | 1345 -2028 | Weights | SO | 136 -182 | PU | 163 -211 | RAB | 151 -195 | Reason POOH | | TQ | |

| Bit Data | | | | Motor Data | | | | Mud Data | | | |
|-------------------|------------|-------------------|-----|-----------------------------|--------|-----|------------------|-------------------|----------|----------|-----------|
| SEC. | FX55M 5x16 | | | 6.5 9:10lobe 3.7stg 1.76ako | | | | Type | LSND/LSD | | |
| Type Bit | | PDC | | Model: 650 | Pad OD | | | WT 9.3 | GAS 0 | Solids 5 | |
| TFA | 0.981 | | | MFG. Xcaliber | 6 3/4 | | | Vis 38 | SAND 0.5 | T ° 98 | |
| JETS | | 16 | 16 | 16 | 16 | 16 | Bend ° 1.76 | Stator/Rotor 9:10 | PV 17 | PH 9.6 | Chlor 800 |
| | | 0 | 0 | 0 | 0 | 0 | Bit to Bend 6.46 | Motor Diff 300 | YP 9 | WL 7.2 | Oil % 0 |
| Bit Coding | | IADC# | | Rev/GAL 0.21 | | | | BHT° | | 0 | |
| IR | OR | DL | Loc | BS | G | ODL | NB Stab 0 | Pumps | | PUMP1 | PUMP1 |
| 1 | 2 | CT | N | X | 1 | NO | Rotor Jet 0 | NAME | | | |
| Bit Drop: | | 224 PSI @ 502 GPM | | Sensor Offsets | | | | Model | | | |
| Comments | | Sensor | 45 | Sonic | 0 | | | Type | | | |
| | | Gamma | 0 | DNsc | 4145 | | | Liner | | | |
| | | Restiv | 0 | GYRO | 0 | | | Stroke | | | |
| | | | | | | | | Efficiency | | | |

BHA Detail

| # | Description | Serial # | I.D. | O.D. | Length | Sum | Top Conn |
|---|---------------------|---------------|-------|--------|--------|---------|------------|
| 1 | FX55M 5x16 | 11518834 | | 8 3/4 | 1.00 | 1.00 | 4 1/2 REGP |
| 2 | 6 1/2 Motor | X65101 | | 6 3/8 | 30.31 | 31.31 | 4 1/2 XHB |
| 3 | 6 1/2 UBHO | 060-650-611MP | 3 1/4 | 6 3/16 | 2.60 | 33.91 | 4 1/2 IFB |
| 4 | 6 1/2" Tool Carrier | 060-650-335P | 3 1/4 | 6 1/4 | 17.86 | 51.77 | 4 1/2 IFB |
| 5 | 6 1/2" Gap Sub | 650-66-3G | 3 1/4 | 6 3/8 | 3.83 | 55.60 | 4 1/2 IFB |
| 6 | 6 1/2" Batt Sub | 060-650-302B | 3 1/4 | 6 1/8 | 3.89 | 59.49 | 4 1/2 IFB |
| 7 | 6 1/2" Monel | 060-650-335P | 3 1/4 | 6 1/4 | 30.07 | 89.56 | 4 1/2 XHP |
| 8 | 4 1/2 Spiral HWDP | Rig | 2 7/8 | 4 1/2 | 917.17 | 1006.73 | 4 1/2 XHB |



Well Information

BHA # 3



SDI Job #: 20100616
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Patterson 313
STATE: Colorado
COUNTY: Garfield
WELL NAME: GGU Federal 22A-28-691

FIELD: MDP 9 Pad
Sec-Twn-Rng:
PO #/ DISTRICT
Lead DD: Bobby Wolf
Co. Man: Robert Schultz
BHA TYPE: Pendulum Assembly

BHA Summary Information

| TIME IN - OUT | | Rotary Hours | | 5.27 | | Start Depth | | 6958.00 | | RPM Range | Flow Rate |
|------------------------|----------------------|-------------------|----|------------------|----|-----------------|-----|----------|-------------|--------------|--------------|
| Start Time | End Time | Circ Hrs Tot/Only | | 6.83 / 1.42 | | End Depth | | 7650.00 | | | |
| 07-Jul-10 @ 07:00 | 07-Jul-10 @ 20:30 | Slide Hours | | .15 | | Percent Rotary: | | 97.54 | | 45 -45 | 502 -502 |
| | | Below Rotary Hrs. | | 13.50 | | Percent Slide: | | 2.46 | | | |
| Total Drilled: | | 692.00 | | Avg. Total ROP: | | 127.75 | | Incl. | | Azimuth | |
| Total Rotary Drilled: | | 675.00 | | Avg. Rotary ROP: | | 128.16 | | IN | OUT | IN | OUT |
| Total Drilled Sliding: | | 17.00 | | Avg. Slide ROP: | | 113.33 | | .0 | .0 | .00 | .00 |
| SPP | 2220 -2220 | Weights | SO | 218 -218 | PU | 276 -276 | RAB | 238 -238 | Reason POOH | | |

| Bit Data | | | | | | | | Motor Data | | | | | | | | Mud Data | | | | | | | |
|------------|----|-------------------|-----|--------|----|-------|--------------|-----------------------------|--|---|--|--------|--|--------|--|-----------|--|----------|--|----------|--|--|--|
| BAKER | | Q504FX 6X15 | | | | | | 6.5 9:10lobe 3.7stg 1.76ako | | | | | | | | Type | | LSND/LSD | | | | | |
| Type Bit | | | | PDC | | | | Model: 650 | | | | Pad OD | | | | WT 9.3 | | GAS 0 | | Solids 5 | | | |
| TFA | | 1.035 | | | | | | MFG. Xcaliber | | | | 6 3/4 | | | | Vis 38 | | SAND 0.5 | | T ° 98 | | | |
| JETS | | | 15 | 15 | 15 | 15 | 15 | Bend ° 1.76 | | Stator/Rotor 9/10 | | PV 17 | | PH 9.6 | | Chlor 800 | | | | | | | |
| | | | 15 | 0 | 0 | 0 | 0 | Bit to Bend 6.46 | | Motor Diff 300 | | YP 9 | | WL 7.2 | | Oil % 0 | | | | | | | |
| Bit Coding | | | | IADC# | | | Rev/GAL 0.21 | | | <div>Pumps</div> <div>NAME</div> <div>Model</div> | | | | PUMP1 | | | | PUMP1 | | | | | |
| IR | OR | DL | Loc | BS | G | ODL | NB Stab 0 | | | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | Rotor Jet 0 | | | | | | | | | | | | | | | | |
| Bit Drop: | | 201 PSI @ 502 GPM | | | | | | Sensor Offsets | | | | Type | | | | | | | | | | | |
| Comments | | | | Sensor | 45 | Sonic | 0 | Liner | | | | .00 | | | | .00 | | | | | | | |
| | | | | Gamma | 0 | DNsc | 6958 | Stroke | | | | .00 | | | | .00 | | | | | | | |
| | | | | Restiv | 0 | GYRO | 0 | Efficiency | | | | .00 | | | | .00 | | | | | | | |

BHA Detail

| # | Description | Serial # | I.D. | O.D. | Length | Sum | Top Conn |
|---|---------------------|---------------|-------|--------|--------|---------|------------|
| 1 | Q504FX 6X15 | 7019382 | | 8 3/4 | 1.00 | 1.00 | 4 1/2 REGP |
| 2 | 6 1/2 Motor | X65101 | | 6 3/8 | 30.31 | 31.31 | 4 1/2 XHB |
| 3 | 6 1/2 UBHO | 060-650-611MP | 3 1/4 | 6 3/16 | 2.60 | 33.91 | 4 1/2 IFB |
| 4 | 6 1/2" Tool Carrier | 060-650-335P | 3 1/4 | 6 1/4 | 17.86 | 51.77 | 4 1/2 IFB |
| 5 | 6 1/2" Gap Sub | 650-66-3G | 3 1/4 | 6 3/8 | 3.83 | 55.60 | 4 1/2 IFB |
| 6 | 6 1/2" Batt Sub | 060-650-302B | 3 1/4 | 6 1/8 | 3.89 | 59.49 | 4 1/2 IFB |
| 7 | 6 1/2" Monel | 060-650-335P | 3 1/4 | 6 1/4 | 30.07 | 89.56 | 4 1/2 XHP |
| 8 | 4 1/2 Spiral HWDP | Rig | 2 7/8 | 4 1/2 | 917.17 | 1006.73 | 4 1/2 XHB |

