



**Bill Barrett Corporation**

Well Name and Number:

**GGU Barge Federal 33D-32-691**

Patterson 307  
Garfield County, Colorado

Directional Services Provided By:

**Sharewell Energy Services, LP**





October 5, 2010

**Troy Schindler**  
**Drilling Manager**

**Bill Barrett Corporation**  
**1099 18<sup>th</sup> Street**  
**Suite 2300**  
**Denver, CO 80202**

Well Reference: **GGU Barge Federal 33D-32-691**  
**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](mailto:swilliams@sharewell.com)



**Bill Barrett Corporation**

## **Bill Barrett Corp.**

Garfield County, Colorado

MDP 3 Pad

GGU Barge Federal 33D-32-691

Wellbore #1

Survey: Surveys

## **Standard Survey Report**

05 October, 2010

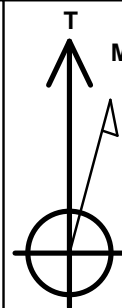
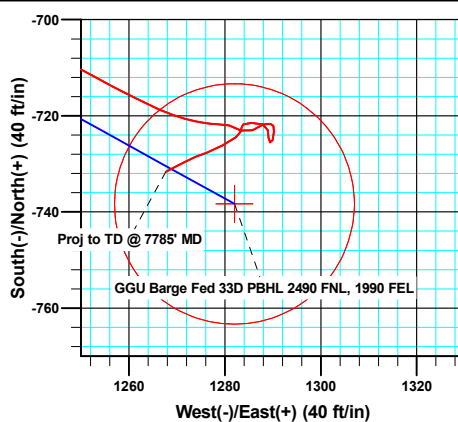
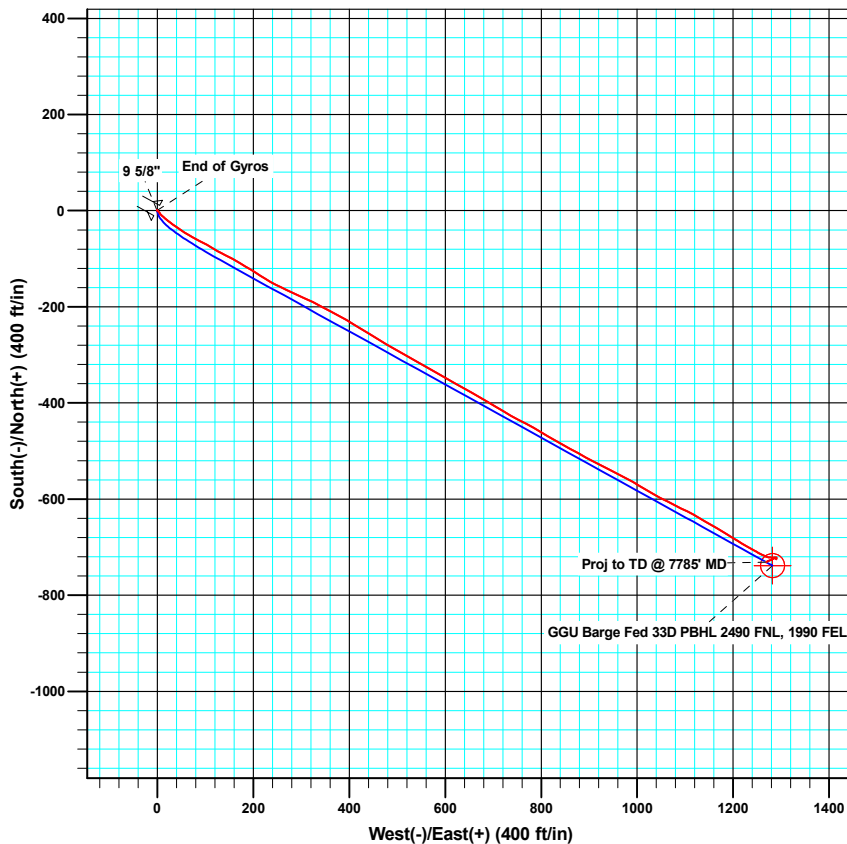
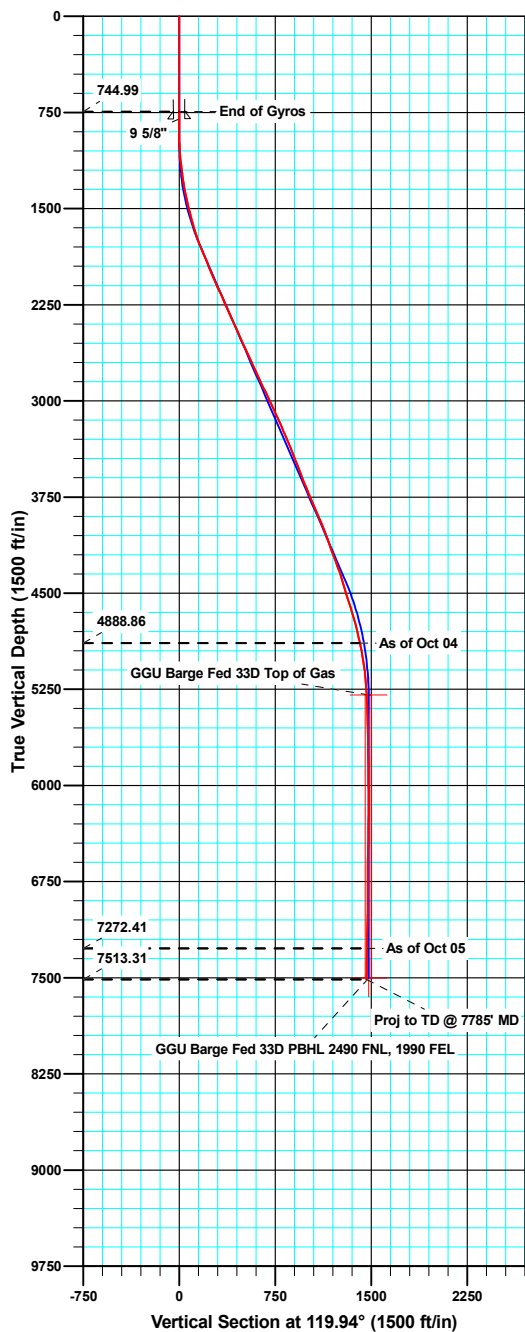




WELL DETAILS: GGU Barge Federal 33D-32-691

Ground Level: 6372.00

North American Datum 1983		US State Plane 1983		Colorado Central Zone	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1608611.13	2413045.37	39° 29' 9.48 N	107° 34' 47.30 W



Azimuths to True North  
Magnetic North: 10.24°

Magnetic Field  
Strength: 52406.4snT  
Dip Angle: 65.84°  
Date: 08/26/2010  
Model: IGRF200510

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
4888.86	5156.00	12.50	119.20	-697.87	1227.44	1411.94	1415.41	As of Oct 04
7272.41	7544.00	1.50	240.70	-728.50	1273.91	1467.50	1510.82	As of Oct 05
7513.31	7785.00	1.80	240.50	-731.67	1267.70	1463.69	1517.80	Proj to TD @ 7785' MD

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 33D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6394.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6394.00ft
<b>Well:</b>	GGU Barge Federal 33D-32-691	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Compass VM

<b>Project</b>	Garfield County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

Site	MDP 3 Pad				
Site Position:		Northing:	1,608,618.77 usft	Latitude:	39° 29' 9.55 N
From:	Lat/Long	Easting:	2,413,031.56 usft	Longitude:	107° 34' 47.48 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well	GGU Barge Federal 33D-32-691					
Well Position	+N/-S	0.00 ft	Northing:	1,608,611.12 usft	Latitude:	39° 29' 9.48 N
	+E/-W	0.00 ft	Easting:	2,413,045.38 usft	Longitude:	107° 34' 47.30 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,372.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	08/26/10	10.24	65.84	52,406

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	119.94	

<b>Survey Program</b>	<b>Date</b>	10/05/10			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
50.00	745.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
881.00	7,785.00	Surveys (Wellbore #1)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
745.00	0.08	232.17	744.99	0.68	-0.81	-1.05	0.00	0.00	0.00	
881.00	0.30	97.70	880.99	0.58	-0.53	-0.75	0.27	0.16	-98.88	
973.00	2.00	128.00	972.97	-0.44	0.97	1.06	1.90	1.85	32.93	
1,066.00	4.20	146.20	1,065.83	-4.27	4.14	5.72	2.56	2.37	19.57	
1,158.00	6.40	133.20	1,157.44	-10.58	9.76	13.74	2.71	2.39	-14.13	
1,250.00	8.40	129.30	1,248.67	-18.35	18.70	25.36	2.24	2.17	-4.24	
1,345.00	11.10	124.50	1,342.29	-27.93	31.60	41.32	2.97	2.84	-5.05	
1,441.00	12.70	126.40	1,436.22	-39.42	47.71	61.02	1.72	1.67	1.98	
1,536.00	13.70	119.40	1,528.72	-51.14	65.92	82.65	1.98	1.05	-7.37	
1,632.00	15.70	117.40	1,621.57	-62.70	87.36	107.00	2.15	2.08	-2.08	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 33D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6394.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6394.00ft
<b>Well:</b>	GGU Barge Federal 33D-32-691	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)
1,727.00	18.50	119.60	1,712.36	-76.07	111.88	134.92	3.02	2.95	2.32
1,822.00	21.80	118.20	1,801.54	-91.85	140.54	167.63	3.51	3.47	-1.47
1,918.00	23.30	119.30	1,890.19	-109.57	172.81	204.43	1.62	1.56	1.15
2,013.00	22.10	123.60	1,977.84	-128.65	204.08	241.06	2.15	-1.26	4.53
2,108.00	23.50	119.00	2,065.42	-147.73	235.54	277.84	2.38	1.47	-4.84
2,203.00	25.00	114.60	2,152.04	-165.27	270.36	316.77	2.47	1.58	-4.63
2,299.00	23.70	115.40	2,239.50	-181.99	306.24	356.20	1.40	-1.35	0.83
2,394.00	25.20	116.90	2,325.98	-199.33	341.52	395.43	1.71	1.58	1.58
2,489.00	24.50	119.10	2,412.19	-218.06	376.77	435.32	1.22	-0.74	2.32
2,584.00	23.10	120.60	2,499.11	-237.13	410.02	473.66	1.61	-1.47	1.58
2,680.00	25.00	121.80	2,586.77	-257.41	443.48	512.77	2.04	1.98	1.25
2,775.00	25.30	119.90	2,672.76	-278.10	478.14	553.13	0.91	0.32	-2.00
2,871.00	24.30	120.50	2,759.91	-298.36	512.94	593.40	1.07	-1.04	0.63
2,966.00	24.80	118.80	2,846.32	-317.88	547.24	632.86	0.91	0.53	-1.79
3,061.00	25.90	119.40	2,932.17	-337.66	582.78	673.53	1.19	1.16	0.63
3,157.00	25.80	119.60	3,018.57	-358.27	619.21	715.39	0.14	-0.10	0.21
3,252.00	24.80	119.40	3,104.45	-378.26	654.55	755.98	1.06	-1.05	-0.21
3,347.00	23.70	120.30	3,191.07	-397.68	688.39	795.00	1.22	-1.16	0.95
3,443.00	22.60	121.90	3,279.34	-417.16	720.71	832.73	1.32	-1.15	1.67
3,538.00	22.10	116.90	3,367.21	-434.89	752.15	868.82	2.07	-0.53	-5.26
3,634.00	21.60	119.40	3,456.32	-451.74	783.65	904.53	1.10	-0.52	2.60
3,729.00	21.90	121.20	3,544.55	-469.50	814.03	939.73	0.77	0.32	1.89
3,824.00	21.50	118.00	3,632.83	-486.85	844.56	974.84	1.31	-0.42	-3.37
3,920.00	23.10	119.50	3,721.64	-504.39	876.49	1,011.25	1.77	1.67	1.56
4,015.00	24.00	116.80	3,808.73	-522.28	909.95	1,049.18	1.48	0.95	-2.84
4,110.00	23.10	117.40	3,895.82	-539.56	943.74	1,087.09	0.98	-0.95	0.63
4,205.00	21.10	117.90	3,983.84	-556.14	975.41	1,122.80	2.11	-2.11	0.53
4,301.00	20.30	120.00	4,073.64	-572.55	1,005.10	1,156.73	1.14	-0.83	2.19
4,396.00	20.00	120.00	4,162.82	-588.92	1,033.44	1,189.45	0.32	-0.32	0.00
4,492.00	20.70	116.60	4,252.83	-604.72	1,062.83	1,222.81	1.43	0.73	-3.54
4,587.00	18.30	116.80	4,342.38	-618.97	1,091.16	1,254.47	2.53	-2.53	0.21
4,682.00	17.30	118.40	4,432.83	-632.41	1,116.90	1,283.48	1.17	-1.05	1.68
4,778.00	17.60	120.50	4,524.41	-646.57	1,141.96	1,312.26	0.73	0.31	2.19
4,873.00	16.90	120.60	4,615.14	-660.89	1,166.22	1,340.43	0.74	-0.74	0.11
4,965.00	15.70	120.30	4,703.44	-673.97	1,188.48	1,366.25	1.31	-1.30	-0.33
5,061.00	13.60	123.30	4,796.32	-686.73	1,209.13	1,390.51	2.33	-2.19	3.13
5,156.00	12.50	119.20	4,888.86	-697.87	1,227.44	1,411.94	1.51	-1.16	-4.32
5,255.00	9.60	118.90	4,986.02	-707.09	1,244.02	1,430.91	2.93	-2.93	-0.30
5,351.00	7.60	117.60	5,080.93	-713.90	1,256.66	1,445.26	2.09	-2.08	-1.35
5,446.00	5.60	113.80	5,175.30	-718.68	1,266.47	1,456.15	2.15	-2.11	-4.00
5,541.00	3.80	100.10	5,269.98	-721.11	1,273.81	1,463.72	2.22	-1.89	-14.42
5,637.00	1.60	91.20	5,365.87	-721.69	1,278.28	1,467.89	2.33	-2.29	-9.27
5,732.00	1.60	101.10	5,460.83	-721.98	1,280.91	1,470.30	0.29	0.00	10.42

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 33D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6394.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6394.00ft
<b>Well:</b>	GGU Barge Federal 33D-32-691	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)	
5,827.00	1.70	124.50	5,555.79	-723.03	1,283.37	1,472.96	0.71	0.11	24.63	
5,923.00	1.80	55.80	5,651.76	-722.99	1,285.79	1,475.04	2.06	0.10	-71.56	
6,018.00	1.30	69.50	5,746.72	-721.77	1,288.04	1,476.38	0.65	-0.53	14.42	
6,114.00	0.60	114.70	5,842.71	-721.60	1,289.51	1,477.57	1.02	-0.73	47.08	
6,209.00	0.30	150.00	5,937.71	-722.02	1,290.09	1,478.28	0.42	-0.32	37.16	
6,305.00	1.30	179.90	6,033.69	-723.33	1,290.22	1,479.04	1.09	1.04	31.15	
6,400.00	0.80	201.80	6,128.68	-725.02	1,289.97	1,479.68	0.67	-0.53	23.05	
6,495.00	0.40	292.90	6,223.68	-725.51	1,289.42	1,479.44	0.95	-0.42	95.89	
6,591.00	1.00	359.20	6,319.67	-724.54	1,289.10	1,478.68	0.95	0.63	69.06	
6,686.00	0.90	347.90	6,414.66	-722.99	1,288.93	1,477.76	0.22	-0.11	-11.89	
6,781.00	1.20	299.30	6,509.64	-721.77	1,287.91	1,476.26	0.95	0.32	-51.16	
6,877.00	1.80	264.70	6,605.61	-721.42	1,285.53	1,474.03	1.10	0.63	-36.04	
6,972.00	0.40	226.50	6,700.59	-721.78	1,283.80	1,472.71	1.59	-1.47	-40.21	
7,067.00	0.50	190.90	6,795.59	-722.42	1,283.49	1,472.76	0.31	0.11	-37.47	
7,163.00	0.70	195.40	6,891.58	-723.39	1,283.25	1,473.04	0.21	0.21	4.69	
7,258.00	1.10	240.20	6,986.57	-724.41	1,282.30	1,472.73	0.82	0.42	47.16	
7,353.00	2.80	236.60	7,081.51	-726.14	1,279.58	1,471.22	1.79	1.79	-3.79	
7,449.00	1.60	259.90	7,177.44	-727.66	1,276.30	1,469.15	1.53	-1.25	24.27	
7,544.00	1.50	240.70	7,272.41	-728.50	1,273.91	1,467.50	0.55	-0.11	-20.21	
7,640.00	1.60	246.80	7,368.37	-729.65	1,271.58	1,466.05	0.20	0.10	6.35	
7,738.00	1.80	240.50	7,466.33	-730.94	1,268.98	1,464.45	0.28	0.20	-6.43	
7,785.00	1.80	240.50	7,513.31	-731.67	1,267.70	1,463.69	0.00	0.00	0.00	

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,156.00	4,888.86	-697.87	1,227.44	As of Oct 04
7,544.00	7,272.41	-728.50	1,273.91	As of Oct 05
7,785.00	7,513.31	-731.67	1,267.70	Proj to TD @ 7785' MD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



<b>SDI Job #:</b>	20100923	<b>Report Time:</b>	2400	1 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-19456	
<b>LOCATION:</b>	Silt	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 307	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>	T6S	
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU FED 33D-32-691			

From Saturday, October 02, 2010 at 0000 to Saturday, October 02, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	770.00	Rotary Hours	3.25	WOB	18	Pick UP	100	Slack Off	95	SPM	
End Depth	1969.00	Circulating Hours	0.00	RAB	90	SPP	2300	FlowRate	0 - 550	140	
Total Drilled:	1199.00	Avg. Total ROP:	271.47	Mud Data							
Total Rotary Drilled:	896.00	Avg. Rotary ROP:	275.69	Type	LSND			PV	40	SOLID	0
Total Drilled Sliding:	303.00	Avg. Slide ROP:	259.71	Weight	8.9	GAS	0	YP	0	BHT°	0
Slide Hours:	1.17	Percent Rotary:	74.73	Viscosity	40	SAND	0	PH	9.8	Flow T°	0
Below Rotary Hrs.	7.50	Percent Slide:	25.27	Chlorides	0	WL	0			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth		BHA # 1:MDI519 7x11, 6.5 Mtr., 7/8, 6.7, .29 rev, UBHO, 6.5 Monel, Gap Sub, 6.5 Monel, 39 Jts. HWDP,			
Second Directional :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	0.08	Azm. In:	232.17	Incl. Out:	23.3	Azm. Out:	119.3				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Oct-10	16:30	17:30	1.00	0	0	Change BHA	Change BHA
2-Oct-10	17:30	18:10	0.67	0	770	TIH	TIH
2-Oct-10	18:10	19:00	0.83	770	812	Drilling Cement	Float & Shoe
2-Oct-10	19:00	19:25	0.42	812	932	Drilling	Drilling
2-Oct-10	19:25	19:35	0.17	932	932	Survey & Conn.	Survey & Conn.
2-Oct-10	19:35	19:40	0.08	932	952	Sliding	Survey & Conn.
2-Oct-10	19:40	19:55	0.25	952	1024	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	19:55	20:00	0.08	1024	1024	Survey & Conn.	Survey & Conn.
2-Oct-10	20:00	20:05	0.08	1024	1044	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	20:05	20:20	0.25	1044	1117	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	20:20	20:25	0.08	1117	1117	Survey & Conn.	Survey & Conn.
2-Oct-10	20:25	20:30	0.08	1117	1141	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	20:30	20:40	0.17	1141	1209	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	20:40	20:50	0.17	1209	1209	Survey & Conn.	Survey & Conn.
2-Oct-10	20:50	20:55	0.08	1209	1234	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	20:55	21:05	0.17	1234	1301	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	21:05	21:15	0.17	1301	1301	Survey & Conn.	Survey & Conn.



Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Oct-10	21:15	21:20	0.08	1301	1329	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	21:20	21:30	0.17	1329	1396	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	21:30	21:35	0.08	1396	1396	Survey & Conn.	Survey & Conn.
2-Oct-10	21:35	21:40	0.08	1396	1416	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	21:40	21:55	0.25	1416	1492	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	21:55	22:00	0.08	1492	1492	Survey & Conn.	Survey & Conn.
2-Oct-10	22:00	22:05	0.08	1492	1522	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	22:05	22:15	0.17	1522	1587	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	22:15	22:20	0.08	1587	1587	Survey & Conn.	Survey & Conn.
2-Oct-10	22:20	22:30	0.17	1587	1618	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	22:30	22:40	0.17	1618	1683	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	22:40	22:45	0.08	1683	1683	Survey & Conn.	Survey & Conn.
2-Oct-10	22:45	22:55	0.17	1683	1723	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	22:55	23:05	0.17	1723	1778	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	23:05	23:15	0.17	1778	1778	Survey & Conn.	Survey & Conn.
2-Oct-10	23:15	23:25	0.17	1778	1818	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	23:25	23:30	0.08	1818	1873	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	23:30	23:40	0.17	1873	1873	Survey & Conn.	Survey & Conn.
2-Oct-10	23:40	23:45	0.08	1873	1898	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
2-Oct-10	23:45	23:55	0.17	1898	1969	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
2-Oct-10	23:55	24:00	0.08	1969	1969	Survey & Conn.	Survey & Conn.



Bill Barrett Corporation

<b>SDI Job #:</b>	20100923	<b>Report Time:</b>	2400	2 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-19456	
<b>LOCATION:</b>	Silt	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 307	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>	T6S	
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU FED 33D-32-691			

From Sunday, October 03, 2010 at 0000 to Sunday, October 03, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	1969.00	Rotary Hours	11.42	WOB	28	Pick UP	100	Slack Off	95	SPM	
End Depth	4792.00	Circulating Hours	0.42	RAB	90	SPP	3250	FlowRate	550 - 550	140	
Total Drilled:	2823.00	Avg. Total ROP:	171.96	Mud Data							
Total Rotary Drilled:	2453.00	Avg. Rotary ROP:	214.86	Type	LSND			PV	22	SOLID	8
Total Drilled Sliding:	370.00	Avg. Slide ROP:	74.00	Weight	9.6	GAS	0	YP	16	BHT°	0
Slide Hours:	5.00	Percent Rotary:	86.89	Viscosity	47	SAND	0.55	PH	9.7	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	13.11	Chlorides	600	WL	6.2			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth		BHA # 2:FX65M, 6.5 1.83 fixed motor, UBHO, 6.5 Monel, Gap Sub, 6.5 Monel, 39 Jts. HWDP,			
Second Directional :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	23.3	Azm. In:	119.3	Incl. Out:	17.3	Azm. Out:	118.4				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Oct-10	00:00	00:15	0.25	1969	2064	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	00:15	00:25	0.17	2064	2064	Survey & Conn.	Survey & Conn.
3-Oct-10	00:25	00:35	0.17	2064	2094	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	00:35	00:45	0.17	2094	2159	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	00:45	00:55	0.17	2159	2159	Survey & Conn.	Survey & Conn.
3-Oct-10	00:55	01:00	0.08	2159	2184	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	01:00	01:15	0.25	2184	2254	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	01:15	01:20	0.08	2254	2254	Survey & Conn.	Survey & Conn.
3-Oct-10	01:20	01:30	0.17	2254	2350	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	01:30	01:35	0.08	2350	2350	Survey & Conn.	Survey & Conn.
3-Oct-10	01:35	01:45	0.17	2350	2378	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	01:45	01:50	0.08	2378	2445	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	01:50	01:55	0.08	2445	2445	Survey & Conn.	Survey & Conn.
3-Oct-10	01:55	02:10	0.25	2445	2540	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	02:10	02:15	0.08	2540	2540	Survey & Conn.	Survey & Conn.
3-Oct-10	02:15	02:25	0.17	2540	2635	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	02:25	02:30	0.08	2635	2635	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Oct-10	02:30	02:40	0.17	2635	2660	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	02:40	02:55	0.25	2660	2731	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	02:55	03:00	0.08	2731	2731	Survey & Conn.	Survey & Conn.
3-Oct-10	03:00	03:10	0.17	2731	2746	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	03:10	03:30	0.33	2746	2826	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	03:30	03:35	0.08	2826	2826	Survey & Conn.	Survey & Conn.
3-Oct-10	03:35	03:50	0.25	2826	2922	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	03:50	03:55	0.08	2922	2922	Survey & Conn.	Survey & Conn.
3-Oct-10	03:55	04:05	0.17	2922	2942	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	04:05	04:15	0.17	2942	3017	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	04:15	04:25	0.17	3017	3017	Survey & Conn.	Survey & Conn.
3-Oct-10	04:25	04:35	0.17	3017	3037	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	04:35	04:50	0.25	3037	3112	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	04:50	04:55	0.08	3112	3112	Survey & Conn.	Survey & Conn.
3-Oct-10	04:55	05:10	0.25	3112	3208	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	05:10	05:15	0.08	3208	3208	Survey & Conn.	Survey & Conn.
3-Oct-10	05:15	05:35	0.33	3208	3303	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	05:35	05:40	0.08	3303	3303	Survey & Conn.	Survey & Conn.
3-Oct-10	05:40	05:55	0.25	3303	3398	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	05:55	06:00	0.08	3398	3398	Survey & Conn.	Survey & Conn.
3-Oct-10	06:00	06:20	0.33	3398	3494	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
3-Oct-10	06:20	06:25	0.08	3494	3494	Survey & Conn.	Survey & Conn.
3-Oct-10	06:25	07:00	0.58	3494	3589	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	07:00	07:05	0.08	3589	3589	Survey & Conn.	Survey & Conn.
3-Oct-10	07:05	07:30	0.42	3589	3685	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	07:30	07:35	0.08	3685	3685	Survey & Conn.	Survey & Conn.
3-Oct-10	07:35	07:45	0.17	3685	3707	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	07:45	08:00	0.25	3707	3780	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	08:00	08:05	0.08	3780	3780	Survey & Conn.	Survey & Conn.
3-Oct-10	08:05	08:20	0.25	3780	3802	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	08:20	08:40	0.33	3802	3875	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	08:40	08:45	0.08	3875	3875	Survey & Conn.	Survey & Conn.
3-Oct-10	08:45	09:05	0.33	3875	3902	Sliding	Sliding - (WOB:18;GPM :550;TFO:0)
3-Oct-10	09:05	09:30	0.42	3902	3971	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	09:30	09:35	0.08	3971	3971	Survey & Conn.	Survey & Conn.
3-Oct-10	09:35	09:50	0.25	3971	3993	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	09:50	10:10	0.33	3993	4066	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	10:10	10:15	0.08	4066	4066	Survey & Conn.	Survey & Conn.
3-Oct-10	10:15	11:00	0.75	4066	4161	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	11:00	11:05	0.08	4161	4161	Survey & Conn.	Survey & Conn.
3-Oct-10	11:05	12:00	0.92	4161	4256	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	12:00	12:05	0.08	4256	4256	Survey & Conn.	Survey & Conn.
3-Oct-10	12:05	12:45	0.67	4256	4277	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	12:45	13:30	0.75	4277	4352	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	13:30	13:35	0.08	4352	4352	Survey & Conn.	Survey & Conn.
3-Oct-10	13:35	14:00	0.42	4352	4367	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	14:00	14:05	0.08	4367	4372	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	14:05	14:20	0.25	4372	4384	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Oct-10	14:20	14:40	0.33	4384	4447	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	14:40	15:05	0.42	4447	4447	Rig Service-Inhole	Rig Service-Inhole
3-Oct-10	15:05	15:10	0.08	4447	4447	Survey & Conn.	Survey & Conn.
3-Oct-10	15:10	15:45	0.58	4447	4471	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	15:45	16:25	0.67	4471	4543	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	16:25	16:30	0.08	4543	4543	Survey & Conn.	Survey & Conn.
3-Oct-10	16:30	17:00	0.50	4543	4638	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	17:00	17:05	0.08	4638	4638	Survey & Conn.	Survey & Conn.
3-Oct-10	17:05	17:35	0.50	4638	4660	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	17:35	18:30	0.92	4660	4733	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	18:30	18:35	0.08	4733	4733	Survey & Conn.	Survey & Conn.
3-Oct-10	18:35	19:05	0.50	4733	4753	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
3-Oct-10	19:05	19:30	0.42	4753	4792	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
3-Oct-10	19:30	22:00	2.50	4792	4792	POOH	POOH
3-Oct-10	22:00	23:30	1.50	4792	4792	Change BHA	Change BHA
3-Oct-10	23:30	24:00	0.50	4792	4792	TIH	TIH



<b>SDI Job #:</b>	20100923	<b>Report Time:</b>	2400	3 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-19456	
<b>LOCATION:</b>	Silt	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 307	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>	T6S	
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU FED 33D-32-691			

From Monday, October 04, 2010 at 0000 to Monday, October 04, 2010 at 2400

DRILLING SUMMARY					Drilling Parameters						
Start Depth	4792.00	Rotary Hours	15.00	WOB	28	Pick UP	100	Slack Off	95	SPM	
End Depth	7100.00	Circulating Hours	1.08	RAB	90	SPP	3300	FlowRate	550 - 550	140	
Total Drilled:	2229.00	Avg. Total ROP:	120.49	Mud Data							
Total Rotary Drilled:	2010.00	Avg. Rotary ROP:	134.00	Type	LSND			PV	22	SOLID	8
Total Drilled Sliding:	219.00	Avg. Slide ROP:	62.57	Weight	10.2	GAS	0	YP	16	BHT°	0
Slide Hours:	3.50	Percent Rotary:	90.17	Viscosity	52	SAND	0.55	PH	9.7	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	9.83	Chlorides	600	WL	6.2			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth		BHA # 2:FX65M, 6.5 1.83 fixed motor, UBHO, 6.5 Monel, Gap Sub, 6.5 Monel, 39 Jts. HWDP,			
Second Directional :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	17.3	Azm. In:	118.4	Incl. Out:	0.5	Azm. Out:	190.9				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
4-Oct-10	00:00	02:20	2.33	4792	4792	TIH	TIH
4-Oct-10	02:20	02:35	0.25	4792	4829	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	02:35	02:45	0.17	4829	4829	Survey & Conn.	Survey & Conn.
4-Oct-10	02:45	03:20	0.58	4829	4924	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	03:20	03:25	0.08	4924	4924	Survey & Conn.	Survey & Conn.
4-Oct-10	03:25	04:00	0.58	4924	5016	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	04:00	04:15	0.25	5016	5026	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	04:15	04:50	0.58	5026	5112	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	04:50	04:55	0.08	5112	5112	Survey & Conn.	Survey & Conn.
4-Oct-10	04:55	05:10	0.25	5112	5124	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	05:10	05:35	0.42	5124	5207	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	05:35	05:40	0.08	5207	5207	Survey & Conn.	Survey & Conn.
4-Oct-10	05:40	05:55	0.25	5207	5227	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	05:55	06:25	0.50	5227	5302	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	06:25	06:30	0.08	5302	5302	Survey & Conn.	Survey & Conn.
4-Oct-10	06:30	06:45	0.25	5302	5319	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	06:45	07:20	0.58	5319	5398	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
4-Oct-10	07:20	07:25	0.08	5398	5398	Survey & Conn.	Survey & Conn.
4-Oct-10	07:25	07:35	0.17	5398	5420	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	07:35	08:15	0.67	5420	5493	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	08:15	08:20	0.08	5493	5493	Survey & Conn.	Survey & Conn.
4-Oct-10	08:20	08:45	0.42	5493	5518	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	08:45	09:15	0.50	5518	5588	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	09:15	09:20	0.08	5588	5588	Survey & Conn.	Survey & Conn.
4-Oct-10	09:20	09:35	0.25	5588	5604	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	09:35	10:10	0.58	5604	5684	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	10:10	10:15	0.08	5684	5684	Survey & Conn.	Survey & Conn.
4-Oct-10	10:15	10:50	0.58	5684	5779	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	10:50	10:55	0.08	5779	5779	Survey & Conn.	Survey & Conn.
4-Oct-10	10:55	11:30	0.58	5779	5874	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	11:30	11:35	0.08	5874	5874	Survey & Conn.	Survey & Conn.
4-Oct-10	11:35	11:50	0.25	5874	5891	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	11:50	12:30	0.67	5891	5970	Reaming	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	12:30	12:35	0.08	5970	5970	Survey & Conn.	Survey & Conn.
4-Oct-10	12:35	13:20	0.75	5970	6065	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	13:20	13:25	0.08	6065	6065	Survey & Conn.	Survey & Conn.
4-Oct-10	13:25	14:05	0.67	6065	6161	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	14:05	14:30	0.42	6161	6161	Rig Service-Inhole	Rig Service-Inhole
4-Oct-10	14:30	14:35	0.08	6161	6161	Survey & Conn.	Survey & Conn.
4-Oct-10	14:35	15:15	0.67	6161	6256	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	15:15	15:20	0.08	6256	6256	Survey & Conn.	Survey & Conn.
4-Oct-10	15:20	15:55	0.58	6256	6352	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	15:55	16:00	0.08	6352	6352	Survey & Conn.	Survey & Conn.
4-Oct-10	16:00	16:10	0.17	6352	6369	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	16:10	16:45	0.58	6369	6447	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	16:45	16:50	0.08	6447	6447	Survey & Conn.	Survey & Conn.
4-Oct-10	16:50	17:10	0.33	6447	6469	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	17:10	17:45	0.58	6469	6542	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	17:45	17:50	0.08	6542	6542	Survey & Conn.	Survey & Conn.
4-Oct-10	17:50	18:15	0.42	6542	6562	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	18:15	18:45	0.50	6562	6638	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	18:45	18:50	0.08	6638	6638	Survey & Conn.	Survey & Conn.
4-Oct-10	18:50	19:50	1.00	6638	6733	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	19:50	19:55	0.08	6733	6733	Survey & Conn.	Survey & Conn.
4-Oct-10	19:55	20:45	0.83	6733	6828	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	20:45	20:50	0.08	6828	6828	Survey & Conn.	Survey & Conn.
4-Oct-10	20:50	21:30	0.67	6828	6924	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	21:30	21:35	0.08	6924	6924	Survey & Conn.	Survey & Conn.
4-Oct-10	21:35	22:05	0.50	6924	6945	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
4-Oct-10	22:05	22:45	0.67	6945	7019	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
4-Oct-10	22:45	22:55	0.17	7019	7019	Survey & Conn.	Survey & Conn.
4-Oct-10	22:55	24:00	1.08	7019	7100	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)





Bill Barrett Corporation

<b>SDI Job #:</b>	20100923	<b>Report Time:</b>	2400	4 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-19456	
<b>LOCATION:</b>	Silt	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 307	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>	T6S	
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU FED 33D-32-691			

From Tuesday, October 05, 2010 at 0000 to Tuesday, October 05, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	7100.00	Rotary Hours	6.25	WOB	28	Pick UP	100	Slack Off	95	SPM	
End Depth	7785.00	Circulating Hours	2.00	RAB	90	SPP	3300	FlowRate	550 - 550	140	
Total Drilled:	685.00	Avg. Total ROP:	97.86	Mud Data							
Total Rotary Drilled:	660.00	Avg. Rotary ROP:	105.60	Type	LSND			PV	22	SOLID	8
Total Drilled Sliding:	25.00	Avg. Slide ROP:	33.33	Weight	10.2	GAS	0	YP	16	BHT°	0
Slide Hours:	0.75	Percent Rotary:	96.35	Viscosity	52	SAND	0.55	PH	9.7	Flow T°	0
Below Rotary Hrs.	16.75	Percent Slide:	3.65	Chlorides	600	WL	6.2			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth		BHA # 2:FX65M, 6.5 1.83 fixed motor, UBHO, 6.5 Monel, Gap Sub, 6.5 Monel, 39 Jts. HWDP,			
Second Directional :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	0.5	Azm. In:	190.9	Incl. Out:	1.8	Azm. Out:	240.5				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-Oct-10	00:00	00:15	0.25	7100	7114	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	00:15	00:20	0.08	7114	7114	Survey & Conn.	Survey & Conn.
5-Oct-10	00:20	01:25	1.08	7114	7210	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	01:25	01:30	0.08	7210	7210	Survey & Conn.	Survey & Conn.
5-Oct-10	01:30	02:25	0.92	7210	7305	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	02:25	02:30	0.08	7305	7305	Survey & Conn.	Survey & Conn.
5-Oct-10	02:30	03:20	0.83	7305	7400	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	03:20	03:25	0.08	7400	7400	Survey & Conn.	Survey & Conn.
5-Oct-10	03:25	04:10	0.75	7400	7425	Sliding	Sliding - (WOB:30;GPM :550;TFO:0)
5-Oct-10	04:10	04:35	0.42	7425	7496	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	04:35	04:40	0.08	7496	7496	Survey & Conn.	Survey & Conn.
5-Oct-10	04:40	05:35	0.92	7496	7591	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	05:35	05:45	0.17	7591	7591	Survey & Conn.	Survey & Conn.
5-Oct-10	05:45	06:50	1.08	7591	7687	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	06:50	06:55	0.08	7687	7687	Survey & Conn.	Survey & Conn.
5-Oct-10	06:55	07:40	0.75	7687	7785	Drilling	Drilling - (WOB:28;GPM :550;RPM:47)
5-Oct-10	07:40	07:45	0.08	7785	7785	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-Oct-10	07:45	08:45	1.00	7785	7785	Circulating	Circulating
5-Oct-10	08:45	11:45	3.00	7785	7785	Short Trip	Short Trip
5-Oct-10	11:45	12:45	1.00	7785	7785	Circulating	Circulating
5-Oct-10	12:45	16:45	4.00	7785	7785	POOH	laydown tools



# Well Information

**BHA #** 1



**SDI Job #:** 20100923  
**COMPANY:** BILL BARRETT CORP  
**LOCATION:** Silt  
**RIG NAME:** Patterson 307  
**STATE:** Colorado  
**COUNTY:** Garfield

**FIELD:** Mamm Creek  
**Sec-Twn-Rng:** T6S  
**PO #/ DISTRICT:**  
**Lead DD:** Stan Simms  
**Co. Man:** Cecil Crow  
**BHA TYPE:** Steerable Assembly

**WELL NAME:** MDP 3 Pad, GGU FED 33D-32-691

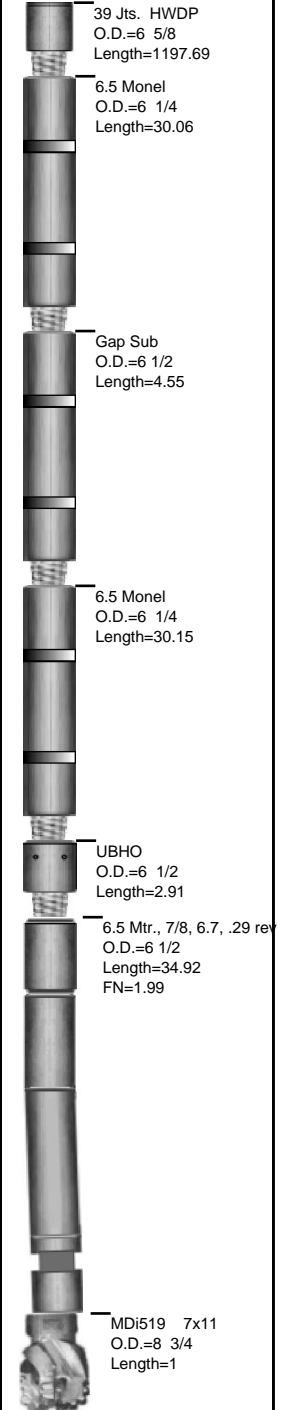
## BHA Summary Information

TIME IN - OUT		Rotary Hours		14.67	Start Depth		770.00	RPM Range	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only		21.25 / .42	End Depth		4792.00		
02-Oct-10 @ 17:30	03-Oct-10 @ 23:30	Slide Hours		6.17	Percent Rotary:		83.27	0 -47	0 -550
		Below Rotary Hrs.		30.00	Percent Slide:		16.73		
Total Drilled:		4022.00	Avg. Total ROP:		193.06	Incl.		Azimuth	
Total Rotary Drilled:		3349.00	Avg. Rotary ROP:		228.34	IN	OUT	IN	OUT
Total Drilled Sliding:		673.00	Avg. Slide ROP:		109.14	.0	.0	.00	.00
SPP	0 -3250	Weights	SO	0 -95	PU	0 -100	RAB	0 -90	Reason POOH

Bit Data				Motor Data				Mud Data			
SMITH	MDi519	7x11		6.5 Mtr., 7/8 lobe, 6.7 stage, .29 rev/gal				Type	LSND		
<b>Type Bit</b>		PDC		Model: 650	Pad OD	WT	9.6	GAS	0	Solids	8
TFA	0.649			MFG. Hunting	6 3/4	Vis	47	SAND	0.55	T °	0
<b>JETS</b>		11	11	11	11	Bend °	1.83	Stator/Rotor	7/8	PV	22
		11	11	0	0	Bit to Bend	6.19	Motor Diff	450	Chlor	600
<b>Bit Coding</b>		IADC#		Rev/GAL	0.29	YP	16	WL	6.2	Oil %	0
IR	OR	DL	Loc	BS	G	ODL		<b>BHT°</b>		0	
0	0							<b>Pumps</b>		<b>PUMP1</b>	
<b>Bit Drop:</b>		635 PSI @ 550 GPM		<b>Sensor Offsets</b>		<b>NAME</b>		<b>Model</b>		<b>Type</b>	
<b>Comments</b>		Sensor	50	Sonic	0	National		National		Triplex	
		Gamma	0	DNsc	834	1600		1600		6.00	
		Restiv	0	GYRO	0	Triplex		Triplex		6.00	
				<b>Liner</b>		6.00		12.00		12.00	
				<b>Stroke</b>		91.00		91.00		91.00	
				<b>Efficiency</b>							

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	MDi519 7x11	JY3544		8 3/4	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8, 6.7, .29 rev	6079		6 1/2	34.92	35.92	4 1/2 XHB
3	UBHO	UB-65-xx-SW	2 3/4	6 1/2	2.91	38.83	4 1/2 XHB
4	6.5 Monel	650-300-078	3 1/4	6 1/4	30.15	68.98	4 1/2 XHB
5	Gap Sub	G-65-019-SW	3 1/4	6 1/2	4.55	73.53	4 1/2 XHB
6	6.5 Monel	650-300-079	3 1/4	6 1/4	30.06	103.59	4 1/2 XHB
7	39 Jts. HWDP	Rig	2 7/8	6 5/8	1,197.69	1301.28	4 1/2 XHB



# Well Information

**BHA #** 2



**SDI Job #:** 20100923  
**COMPANY:** BILL BARRETT CORP  
**LOCATION:** Silt  
**RIG NAME:** Patterson 307  
**STATE:** Colorado  
**COUNTY:** Garfield

**FIELD:** Mamm Creek  
**Sec-Twn-Rng:** T6S  
**PO #/ DISTRICT:**  
**Lead DD:** Stan Simms  
**Co. Man:** Cecil Crow  
**BHA TYPE:** Steerable Assembly

**WELL NAME:** MDP 3 Pad, GGU FED 33D-32-691

## BHA Summary Information

TIME IN - OUT		Rotary Hours		21.25		Start Depth		4792.00		RPM Range	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only		28.58 / 3.08		End Depth		7785.00			
03-Oct-10 @ 23:30	05-Oct-10 @ 16:45	Slide Hours		4.25		Percent Rotary:		91.63		47 -47	550 -550
		Below Rotary Hrs.		41.25		Percent Slide:		8.37			
Total Drilled:		2914.00		Avg. Total ROP:		114.27		Incl.		Azimuth	
Total Rotary Drilled:		2670.00		Avg. Rotary ROP:		125.65		IN	OUT	IN	OUT
Total Drilled Sliding:		244.00		Avg. Slide ROP:		57.41		.0	.0	.00	.00
SPP	3250 -3300	Weights	SO	95 -95	PU	100 -100	RAB	90 -90	Reason POOH		

Bit Data							Motor Data					Mud Data				
		FX65M					6.5 1.83 Fixed Hunting Motor					Type	LSND			
Type Bit				PDC			Model: 6.5			Pad OD		WT 10.2 GAS 0 Solids 8				
TFA		1.106					MFG. Hunting			6 5/8		Vis 52 SAND 0.55 T ° 0				
JETS		15	15	15	16	16	Bend ° 1.83		Stator/Rotor 7:8		PV 22 PH 9.7 Chlor 600					
		16	0	0	0	0	Bit to Bend 6.1		Motor Diff 400		YP 16 WL 6.2 Oil % 0					
Bit Coding			IADC#					Rev/GAL 0.16						BHT° 0		
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0		Pumps		PUMP1		PUMP1			
								Rotor Jet 0		NAME		National		National		
0		0								Model		1600		1600		
Bit Drop:		232 PSI @ 550 GPM					Sensor Offsets			Type		Triplex		Triplex		
Comments				Sensor		51	Sonic		0	Liner		6.00		6.00		
				Gamma		0	DNsc		4792	Stroke		12.00		12.00		
				Restiv		0	GYRO		0	Efficiency		91.00		91.00		

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FX65M	11589173		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 1.83 fixed motor	6096		6.5	31.58	32.58	4 1/2 XHB
3	UBHO	UB-65-xx-SW	2 3/4	6 1/2	2.91	35.49	4 1/2 XHB
4	6.5 Monel	650-300-078	3 1/4	6 1/4	30.15	65.64	4 1/2 XHB
5	Gap Sub	G-65-019-SW	3 1/4	6 1/2	4.55	70.19	4 1/2 XHB
6	6.5 Monel	650-300-079	3 1/4	6 1/4	30.06	100.25	4 1/2 XHB
7	39 Jts. HWDP	Rig	2 7/8	6 5/8	1,197.69	1297.94	4 1/2 XHB

