



**Bill Barrett Corporation**

Well Name and Number:

**GGU Federal 11C-33-691**

Patterson 307  
Garfield County, Colorado

Directional Services Provided By:

**Sharewell Energy Services, LP**





August 9, 2010

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

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

Well Reference: **GGU Federal 11C-33-691**  
**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 2 Pad

GGU Federal 11C-33-691

Wellbore #1

Survey: Surveys

## **Standard Survey Report**

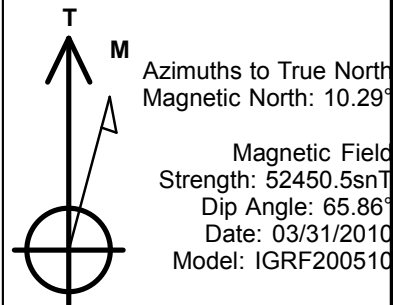
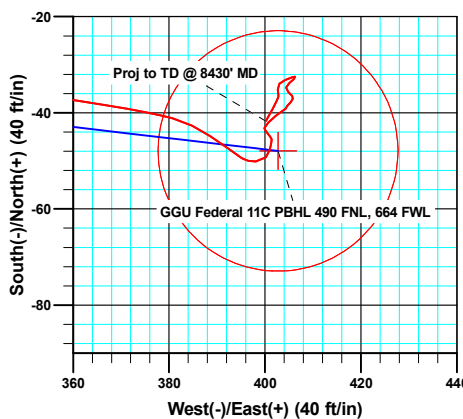
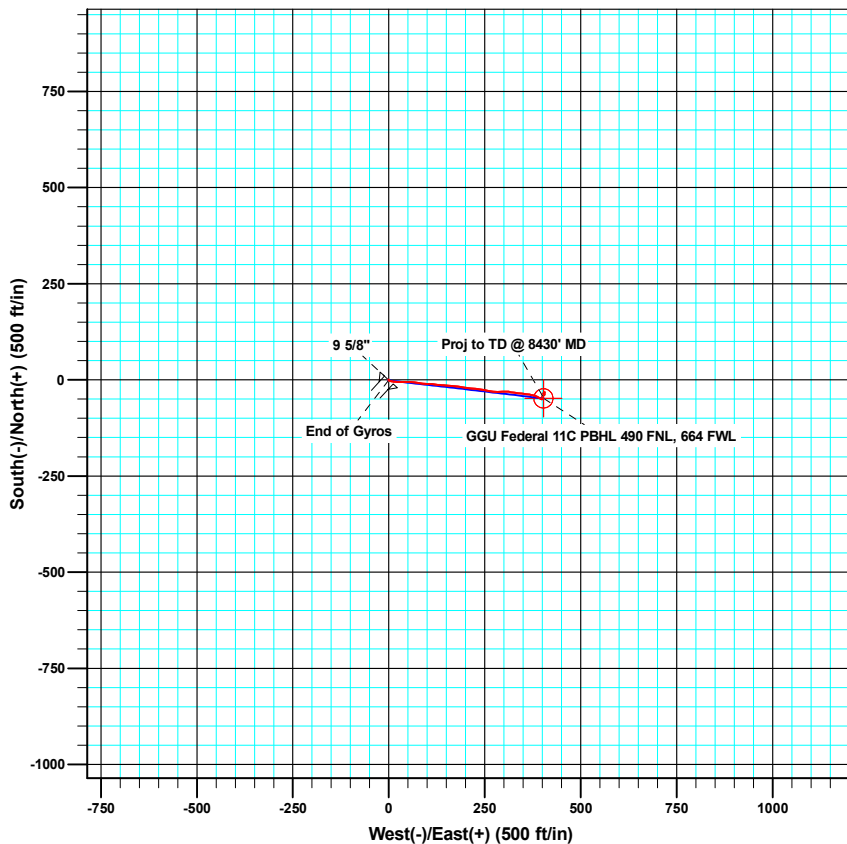
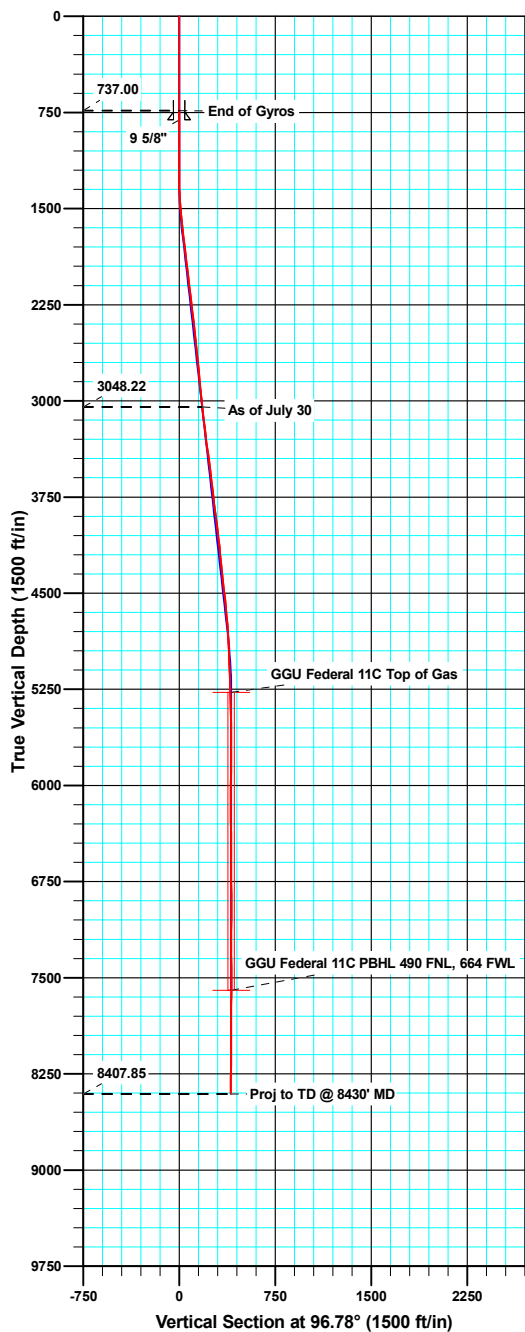
09 August, 2010





# WELL DETAILS: GGU Federal 11C-33-691

Ground Level: 6352.00  
 US State Plane 1983 , Colorado Central Zone  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1610218.71 2416597.90 39.490601 -107.567352



## ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
3048.22	3058.00	5.90	96.80	-17.23	179.72	180.50	184.79	As of July 30
8407.85	8430.00	1.40	208.50	-41.76	400.20	402.33	445.61	Proj to TD @ 8430' MD

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 11C-33-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6375.00ft
<b>Site:</b>	MDP 2 Pad	<b>MD Reference:</b>	KB @ 6375.00ft
<b>Well:</b>	GGU Federal 11C-33-691	<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 2 Pad			
Site Position:		Northing:	1,610,172.45 usft	Latitude:	39.490473
From:	Lat/Long	Easting:	2,416,581.89 usft	Longitude:	-107.567405
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 ft	Grid Convergence:	-1.30 °

Well		GGU Federal 11C-33-691				
Well Position	+N/-S	0.00 ft	Northing:	1,610,218.71 usft	Latitude:	39.490601
	+E/-W	0.00 ft	Easting:	2,416,597.90 usft	Longitude:	-107.567352
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,352.00 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	03/31/10	10.29	65.86	52,450

<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	96.78	

<b>Survey Program</b>	<b>Date</b>	08/09/10			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
50.00	737.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
881.00	8,430.00	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>	
737.00	0.11	232.29	737.00	-0.18	-0.07	-0.05	0.00	0.00	0.00	
808.50	0.14	42.06	808.50	-0.15	-0.06	-0.04	0.35	0.05	237.44	
<b>9 5/8"</b>										
881.00	0.40	44.90	881.00	0.10	0.18	0.16	0.35	0.35	3.91	
973.00	0.10	137.90	973.00	0.26	0.46	0.42	0.45	-0.33	101.09	
1,065.00	0.30	261.90	1,065.00	0.17	0.27	0.25	0.40	0.22	134.78	
1,157.00	0.40	265.70	1,156.99	0.11	-0.29	-0.30	0.11	0.11	4.13	
1,249.00	0.80	152.80	1,248.99	-0.48	-0.31	-0.25	1.11	0.43	-122.72	
1,341.00	1.80	126.70	1,340.97	-1.92	1.14	1.36	1.24	1.09	-28.37	
1,437.00	3.30	100.90	1,436.87	-3.34	5.06	5.42	1.93	1.56	-26.88	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 11C-33-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6375.00ft
<b>Site:</b>	MDP 2 Pad	<b>MD Reference:</b>	KB @ 6375.00ft
<b>Well:</b>	GGU Federal 11C-33-691	<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)
1,532.00	5.30	97.60	1,531.60	-4.44	12.10	12.54	2.12	2.11	-3.47
1,628.00	6.70	91.70	1,627.07	-5.19	22.09	22.55	1.59	1.46	-6.15
1,723.00	7.00	90.80	1,721.39	-5.44	33.42	33.83	0.34	0.32	-0.95
1,819.00	6.70	88.90	1,816.71	-5.41	44.87	45.19	0.39	-0.31	-1.98
1,914.00	6.60	91.70	1,911.07	-5.47	55.86	56.12	0.36	-0.11	2.95
2,009.00	6.60	96.70	2,005.44	-6.27	66.74	67.02	0.60	0.00	5.26
2,104.00	6.40	101.30	2,099.83	-7.94	77.36	77.75	0.59	-0.21	4.84
2,200.00	6.80	95.90	2,195.20	-9.57	88.26	88.77	0.77	0.42	-5.63
2,296.00	7.10	92.00	2,290.49	-10.36	99.84	100.37	0.58	0.31	-4.06
2,390.00	6.90	94.40	2,383.79	-11.00	111.28	111.80	0.38	-0.21	2.55
2,485.00	6.40	100.60	2,478.15	-12.41	122.17	122.78	0.92	-0.53	6.53
2,581.00	6.40	90.80	2,573.56	-13.47	132.78	133.44	1.14	0.00	-10.21
2,676.00	5.40	92.60	2,668.05	-13.75	142.54	143.17	1.07	-1.05	1.89
2,771.00	5.30	95.90	2,762.64	-14.40	151.37	152.01	0.34	-0.11	3.47
2,867.00	5.40	97.70	2,858.22	-15.46	160.26	160.96	0.20	0.10	1.88
2,962.00	6.10	93.30	2,952.74	-16.35	169.73	170.47	0.87	0.74	-4.63
3,058.00	5.90	96.80	3,048.22	-17.23	179.72	180.50	0.43	-0.21	3.65
3,153.00	6.50	99.90	3,142.66	-18.73	189.86	190.75	0.72	0.63	3.26
3,248.00	7.20	95.60	3,236.98	-20.24	201.09	202.07	0.91	0.74	-4.53
3,344.00	7.40	98.40	3,332.21	-21.73	213.19	214.26	0.43	0.21	2.92
3,439.00	7.50	95.00	3,426.40	-23.16	225.42	226.58	0.48	0.11	-3.58
3,535.00	7.20	96.70	3,521.62	-24.41	237.63	238.85	0.39	-0.31	1.77
3,630.00	6.80	103.90	3,615.91	-26.46	249.01	250.39	1.01	-0.42	7.58
3,725.00	7.00	101.60	3,710.22	-28.97	260.14	261.74	0.36	0.21	-2.42
3,821.00	6.90	97.70	3,805.52	-30.92	271.58	273.33	0.50	-0.10	-4.06
3,916.00	7.30	87.50	3,899.79	-31.42	283.27	285.00	1.39	0.42	-10.74
4,011.00	7.60	84.00	3,993.99	-30.50	295.54	297.08	0.57	0.32	-3.68
4,106.00	6.70	95.40	4,088.25	-30.37	307.31	308.75	1.76	-0.95	12.00
4,202.00	5.50	98.50	4,183.71	-31.57	317.44	318.94	1.30	-1.25	3.23
4,296.00	5.70	98.40	4,277.26	-32.92	326.51	328.11	0.21	0.21	-0.11
4,392.00	6.30	95.40	4,372.73	-34.11	336.47	338.14	0.71	0.63	-3.13
4,488.00	6.50	98.80	4,468.14	-35.44	347.08	348.84	0.45	0.21	3.54
4,583.00	5.80	98.00	4,562.59	-36.93	357.15	359.01	0.74	-0.74	-0.84
4,679.00	5.80	99.30	4,658.10	-38.39	366.74	368.71	0.14	0.00	1.35
4,774.00	4.40	101.30	4,752.72	-39.88	375.05	377.14	1.49	-1.47	2.11
4,869.00	2.60	104.20	4,847.54	-41.12	380.72	382.91	1.90	-1.89	3.05
4,965.00	2.60	115.90	4,943.44	-42.61	384.78	387.12	0.55	0.00	12.19
5,060.00	2.70	124.20	5,038.34	-44.81	388.57	391.15	0.42	0.11	8.74
5,155.00	2.60	126.10	5,133.24	-47.33	392.17	395.01	0.14	-0.11	2.00
5,251.00	1.80	121.70	5,229.17	-49.41	395.21	398.28	0.85	-0.83	-4.58
5,346.00	1.90	86.80	5,324.12	-50.10	398.05	401.18	1.17	0.11	-36.74
5,441.00	1.20	35.80	5,419.09	-49.21	400.20	403.21	1.55	-0.74	-53.68
5,537.00	0.90	17.10	5,515.07	-47.67	401.01	403.84	0.47	-0.31	-19.48

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 11C-33-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6375.00ft
<b>Site:</b>	MDP 2 Pad	<b>MD Reference:</b>	KB @ 6375.00ft
<b>Well:</b>	GGU Federal 11C-33-691	<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)
5,632.00	0.50	7.80	5,610.07	-46.55	401.29	403.98	0.44	-0.42	-9.79
5,728.00	0.10	5.40	5,706.06	-46.05	401.35	403.98	0.42	-0.42	-2.50
5,823.00	0.50	8.60	5,801.06	-45.56	401.42	404.00	0.42	0.42	3.37
5,918.00	0.50	297.40	5,896.06	-44.96	401.12	403.62	0.61	0.00	-74.95
6,014.00	0.70	341.20	5,992.05	-44.21	400.56	402.98	0.50	0.21	45.63
6,109.00	0.40	284.90	6,087.05	-43.58	400.05	402.40	0.61	-0.32	-59.26
6,205.00	0.40	21.50	6,183.05	-43.18	399.85	402.15	0.62	0.00	100.63
6,300.00	1.30	42.20	6,278.04	-42.07	400.69	402.86	0.99	0.95	21.79
6,396.00	1.20	51.70	6,374.02	-40.64	402.21	404.20	0.24	-0.10	9.90
6,491.00	0.70	59.20	6,469.00	-39.73	403.49	405.36	0.54	-0.53	7.89
6,682.00	0.10	275.00	6,660.00	-39.12	404.33	406.12	0.41	-0.31	-75.50
6,777.00	0.80	35.40	6,754.99	-38.57	404.63	406.35	0.90	0.74	126.74
6,872.00	0.60	50.90	6,849.99	-37.71	405.40	407.02	0.29	-0.21	16.32
6,968.00	0.40	6.90	6,945.98	-37.06	405.83	407.37	0.44	-0.21	-45.83
7,063.00	0.40	327.10	7,040.98	-36.46	405.69	407.16	0.29	0.00	-41.89
7,158.00	1.00	308.20	7,135.97	-35.67	404.86	406.24	0.67	0.63	-19.89
7,254.00	0.60	23.10	7,231.97	-34.69	404.40	405.67	1.07	-0.42	78.02
7,349.00	0.80	50.80	7,326.96	-33.81	405.11	406.27	0.41	0.21	29.16
7,444.00	0.70	43.70	7,421.95	-32.97	406.02	407.08	0.14	-0.11	-7.47
7,540.00	0.20	306.90	7,517.95	-32.45	406.29	407.28	0.78	-0.52	-100.83
7,635.00	0.60	243.20	7,612.95	-32.57	405.72	406.73	0.57	0.42	-67.05
7,740.00	1.10	254.30	7,717.94	-33.09	404.26	405.34	0.50	0.48	10.57
7,826.00	1.00	214.50	7,803.92	-33.93	403.04	404.22	0.84	-0.12	-46.28
7,921.00	0.70	172.40	7,898.91	-35.19	402.64	403.98	0.71	-0.32	-44.32
8,017.00	0.50	171.50	7,994.91	-36.19	402.78	404.24	0.21	-0.21	-0.94
8,112.00	0.10	201.80	8,089.91	-36.67	402.81	404.33	0.44	-0.42	31.89
8,208.00	1.10	204.90	8,185.90	-37.59	402.39	404.02	1.04	1.04	3.23
8,303.00	1.10	208.40	8,280.88	-39.22	401.58	403.40	0.07	0.00	3.68
8,383.00	1.40	208.50	8,360.86	-40.75	400.75	402.75	0.38	0.38	0.13
8,430.00	1.40	208.50	8,407.85	-41.76	400.20	402.33	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)
808.50	808.50	9 5/8"	0.80	1.02

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,058.00	3,048.22	-17.23	179.72	As of July 30
8,430.00	8,407.85	-41.76	400.20	Proj to TD @ 8430' MD

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 11C-33-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6375.00ft
<b>Site:</b>	MDP 2 Pad	<b>MD Reference:</b>	KB @ 6375.00ft
<b>Well:</b>	GGU Federal 11C-33-691	<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

Checked By: _____	Approved By: _____	Date: _____
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<b>SDI Job #:</b>	20100721	<b>Report Time:</b>	2400	1 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-181918	
<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>		
<b>COUNTY:</b>	GARFIELD	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	MDP 2 PAD GGU FED 11C-33-691			

From Thursday, July 29, 2010 at 0000 to Thursday, July 29, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	750.00	Rotary Hours	12.57	WOB	20	Pick UP	110	Slack Off	100	SPM	
End Depth	3963.00	Circulating Hours	0.50	RAB	105	SPP	1500	FlowRate	0 - 550	130	
Total Drilled:	3213.00	Avg. Total ROP:	214.44	Mud Data							
Total Rotary Drilled:	2965.00	Avg. Rotary ROP:	235.94	Type	LSND			PV	10	SOLID	5
Total Drilled Sliding:	248.00	Avg. Slide ROP:	102.62	Weight	9.1	GAS	0	YP	28	BHT°	0
Slide Hours:	2.42	Percent Rotary:	92.28	Viscosity	45	SAND	0.1	PH	9.7	Flow T°	0
Below Rotary Hrs.	21.50	Percent Slide:	7.72	Chlorides	1000	WL	4.8			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth		BHA # 1:MDI 519 7-11, 6.5 Mtr. 7/8 , 3.3, .16 rev/gal, 6.5" UBHO, 6.5" Monel, 6.5" Gap Sub, 6.5" Monel , 42 Jts. HWDP,			
Second Directional :	Lonnie Luttrull			Signature:							
MWD Operator1	PAUL LOEHR										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	0.11	Azm. In:	232.29	Incl. Out:	7.3	Azm. Out:	87.5				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-Jul-10	00:00	02:30	2.50	0	0	Test BOPS	test Bop
29-Jul-10	02:30	03:00	0.50	0	0	Change BHA	Change BHA
29-Jul-10	03:00	04:00	1.00	0	750	TIH	TIH
29-Jul-10	04:00	04:20	0.33	750	820	Drilling Cement	Float & shoe
29-Jul-10	04:20	05:10	0.83	820	928	Drilling	
29-Jul-10	05:10	05:15	0.08	928	928	Survey & Conn.	Survey & Conn.
29-Jul-10	05:15	05:25	0.17	928	1020	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
29-Jul-10	05:25	05:30	0.08	1020	1020	Survey & Conn.	Survey & Conn.
29-Jul-10	05:30	05:50	0.33	1020	1112	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
29-Jul-10	05:50	05:55	0.08	1112	1112	Survey & Conn.	Survey & Conn.
29-Jul-10	05:55	06:05	0.17	1112	1204	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
29-Jul-10	06:05	06:10	0.08	1204	1204	Survey & Conn.	Survey & Conn.
29-Jul-10	06:10	06:20	0.17	1204	1219	Sliding	Survey & Conn.
29-Jul-10	06:20	06:30	0.17	1219	1296	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
29-Jul-10	06:30	06:35	0.08	1296	1296	Survey & Conn.	Survey & Conn.
29-Jul-10	06:35	08:00	1.42	1296	1296	Other	laydown 2 joints of HWDP
29-Jul-10	08:00	08:10	0.17	1296	1314	Sliding	

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-Jul-10	08:10	08:20	0.17	1314	1388	Drilling	Drilling - (WOB:18;GPM :550;RPM:45)
29-Jul-10	08:20	08:25	0.08	1388	1388	Survey & Conn.	Survey & Conn.
29-Jul-10	08:25	08:35	0.17	1388	1408	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	08:35	08:50	0.25	1408	1484	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	08:50	09:00	0.17	1484	1484	Survey & Conn.	Survey & Conn.
29-Jul-10	09:00	09:05	0.08	1484	1504	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	09:05	09:20	0.25	1504	1579	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	09:20	09:30	0.17	1579	1579	Survey & Conn.	Survey & Conn.
29-Jul-10	09:30	09:40	0.17	1579	1595	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	09:40	09:55	0.25	1595	1675	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	09:55	10:00	0.08	1675	1675	Survey & Conn.	Survey & Conn.
29-Jul-10	10:00	10:20	0.33	1675	1770	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	10:20	10:25	0.08	1770	1770	Survey & Conn.	Survey & Conn.
29-Jul-10	10:25	10:40	0.25	1770	1866	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	10:40	10:50	0.17	1866	1866	Survey & Conn.	Survey & Conn.
29-Jul-10	10:50	11:10	0.33	1866	1961	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	11:10	11:15	0.08	1961	1961	Survey & Conn.	Survey & Conn.
29-Jul-10	11:15	11:40	0.42	1961	2056	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	11:40	11:45	0.08	2056	2056	Survey & Conn.	Survey & Conn.
29-Jul-10	11:45	12:05	0.33	2056	2151	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	12:05	12:15	0.17	2151	2151	Survey & Conn.	Survey & Conn.
29-Jul-10	12:15	12:20	0.08	2151	2166	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	12:20	12:45	0.42	2166	2247	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	12:45	12:50	0.08	2247	2247	Survey & Conn.	Survey & Conn.
29-Jul-10	12:50	12:55	0.08	2247	2258	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	12:55	13:20	0.42	2258	2343	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	13:20	13:25	0.08	2343	2343	Survey & Conn.	Survey & Conn.
29-Jul-10	13:25	13:50	0.42	2343	2437	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	13:50	13:55	0.08	2437	2437	Survey & Conn.	Survey & Conn.
29-Jul-10	13:55	14:15	0.33	2437	2532	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	14:15	14:20	0.08	2532	2532	Survey & Conn.	Survey & Conn.
29-Jul-10	14:20	14:50	0.50	2532	2532	Rig Service-Inhole	Rig Service-Inhole
29-Jul-10	14:50	15:00	0.17	2532	2550	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	15:00	15:20	0.33	2550	2628	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	15:20	15:25	0.08	2628	2628	Survey & Conn.	Survey & Conn.
29-Jul-10	15:25	15:50	0.42	2628	2723	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	15:50	15:55	0.08	2723	2723	Survey & Conn.	Survey & Conn.
29-Jul-10	15:55	16:20	0.42	2723	2818	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	16:20	16:50	0.50	2818	2914	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	16:50	16:55	0.08	2914	2914	Survey & Conn.	Survey & Conn.
29-Jul-10	16:55	17:00	0.08	2914	2929	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	17:00	17:20	0.33	2929	3009	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	17:20	17:25	0.08	3009	3009	Survey & Conn.	Survey & Conn.
29-Jul-10	17:25	17:55	0.50	3009	3105	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	17:55	18:00	0.08	3105	3105	Survey & Conn.	Survey & Conn.
29-Jul-10	18:00	18:30	0.50	3105	3200	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	18:30	18:35	0.08	3200	3200	Survey & Conn.	Survey & Conn.
29-Jul-10	18:35	18:45	0.17	3200	3220	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-Jul-10	18:45	19:09	0.40	3220	3295	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	19:09	19:15	0.10	3295	3295	Survey & Conn.	Survey & Conn.
29-Jul-10	19:15	19:45	0.50	3295	3391	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	19:45	19:50	0.08	3391	3391	Survey & Conn.	Survey & Conn.
29-Jul-10	19:50	20:05	0.25	3391	3406	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	20:05	20:35	0.50	3406	3486	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	20:35	20:40	0.08	3486	3486	Survey & Conn.	Survey & Conn.
29-Jul-10	20:40	21:10	0.50	3486	3582	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	21:10	21:15	0.08	3582	3582	Survey & Conn.	Survey & Conn.
29-Jul-10	21:15	21:30	0.25	3582	3677	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	21:30	21:40	0.17	3677	3677	Survey & Conn.	Survey & Conn.
29-Jul-10	21:40	21:55	0.25	3677	3700	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	21:55	22:15	0.33	3700	3772	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	22:15	22:20	0.08	3772	3772	Survey & Conn.	Survey & Conn.
29-Jul-10	22:20	22:35	0.25	3772	3793	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	22:35	23:00	0.42	3793	3867	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	23:00	23:05	0.08	3867	3867	Survey & Conn.	Survey & Conn.
29-Jul-10	23:05	23:25	0.33	3867	3888	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
29-Jul-10	23:25	23:55	0.50	3888	3963	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
29-Jul-10	23:55	24:00	0.08	3963	3963	Survey & Conn.	Survey & Conn.



<b>SDI Job #:</b>	20100721	<b>Report Time:</b>	2400	2 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-181918	
<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>		
<b>COUNTY:</b>	GARFIELD	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	MDP 2 PAD GGU FED 11C-33-691			

From Friday, July 30, 2010 at 0000 to Friday, July 30, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	3963.00	Rotary Hours	10.45	WOB	25	Pick UP	160	Slack Off	145	SPM	
End Depth	5488.00	Circulating Hours	1.00	RAB	155	SPP	3000	FlowRate	550 - 550	130	
Total Drilled:	1525.00	Avg. Total ROP:	105.17	Mud Data							
Total Rotary Drilled:	1349.00	Avg. Rotary ROP:	129.09	Type	LSND			PV	20	SOLID	7
Total Drilled Sliding:	176.00	Avg. Slide ROP:	43.46	Weight	9.65	GAS	0	YP	18	BHT°	0
Slide Hours:	4.05	Percent Rotary:	88.46	Viscosity	46	SAND	0.2	PH	9.5	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	11.54	Chlorides	1000	WL	5.6			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth		BHA # 2:Mi516, 6.5 Mtr. 7/8 , 3.3, .16 rev/gal, 6.5" UBHO, 6.5" Monel, 6.5" Gap Sub, 6.5" Monel , 42 Jts. HWDP,			
Second Directional :	Lonnie Luttrull			Signature:							
MWD Operator1	PAUL LOEHR										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	7.3	Azm. In:	87.5	Incl. Out:	1.2	Azm. Out:	35.8				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
30-Jul-10	00:00	00:40	0.67	3963	4058	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	00:40	00:45	0.08	4058	4058	Survey & Conn.	Survey & Conn.
30-Jul-10	00:45	01:15	0.50	4058	4076	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	01:15	01:50	0.58	4076	4153	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	01:50	02:00	0.17	4153	4153	Survey & Conn.	Survey & Conn.
30-Jul-10	02:00	02:30	0.50	4153	4249	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	02:30	02:40	0.17	4249	4249	Survey & Conn.	Survey & Conn.
30-Jul-10	02:40	03:00	0.33	4249	4264	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	03:00	03:20	0.33	4264	4343	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	03:20	03:30	0.17	4343	4343	Survey & Conn.	Survey & Conn.
30-Jul-10	03:30	03:45	0.25	4343	4359	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	03:45	04:25	0.67	4359	4439	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	04:25	04:30	0.08	4439	4439	Survey & Conn.	Survey & Conn.
30-Jul-10	04:30	05:15	0.75	4439	4535	Drilling	Drilling - (WOB:20;GPM :550;RPM:50)
30-Jul-10	05:15	05:20	0.08	4535	4535	Survey & Conn.	Survey & Conn.
30-Jul-10	05:20	05:55	0.58	4535	4630	Drilling	Drilling
30-Jul-10	05:55	06:05	0.17	4630	4630	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
30-Jul-10	06:05	06:25	0.33	4630	4642	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	06:25	07:15	0.83	4642	4726	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	07:15	07:25	0.17	4726	4726	Survey & Conn.	Survey & Conn.
30-Jul-10	07:25	07:50	0.42	4726	4741	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	07:50	08:25	0.58	4741	4821	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	08:25	08:30	0.08	4821	4821	Survey & Conn.	Survey & Conn.
30-Jul-10	08:30	08:53	0.38	4821	4842	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	08:53	09:30	0.62	4842	4916	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	09:30	09:35	0.08	4916	4916	Survey & Conn.	Survey & Conn.
30-Jul-10	09:35	10:35	1.00	4916	5012	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	10:35	11:25	0.83	5012	5107	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	11:25	11:35	0.17	5107	5107	Survey & Conn.	Survey & Conn.
30-Jul-10	11:35	11:55	0.33	5107	5123	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	11:55	12:30	0.58	5123	5202	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	12:30	12:35	0.08	5202	5202	Survey & Conn.	Survey & Conn.
30-Jul-10	12:35	13:05	0.50	5202	5202	Rig Service-Inhole	Rig Service-Inhole
30-Jul-10	13:05	13:45	0.67	5202	5224	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	13:45	14:25	0.67	5224	5298	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	14:25	14:30	0.08	5298	5298	Survey & Conn.	Survey & Conn.
30-Jul-10	14:30	15:00	0.50	5298	5319	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	15:00	15:10	0.17	5319	5332	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	15:10	15:30	0.33	5332	5332	Circulating	Circulating
30-Jul-10	15:30	18:30	3.00	5332	5332	POOH	POOH
30-Jul-10	18:30	19:00	0.50	5332	5332	Change BHA	Change bit
30-Jul-10	19:00	19:30	0.50	5332	5332	TIH	TIH to shoe
30-Jul-10	19:30	20:00	0.50	5332	5332	Rig repair	Rig repair
30-Jul-10	20:00	22:15	2.25	5332	5332	TIH	TIH
30-Jul-10	22:15	22:25	0.17	5332	5332	Reaming	TIH
30-Jul-10	22:25	22:55	0.50	5332	5393	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
30-Jul-10	22:55	23:05	0.17	5393	5393	Survey & Conn.	Survey & Conn.
30-Jul-10	23:05	23:25	0.33	5393	5413	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
30-Jul-10	23:25	24:00	0.58	5413	5488	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)



<b>SDI Job #:</b>	20100721	<b>Report Time:</b>	2400	3 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-181918	
<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>		
<b>COUNTY:</b>	GARFIELD	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	MDP 2 PAD GGU FED 11C-33-691			

From Saturday, July 31, 2010 at 0000 to Saturday, July 31, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5488.00	Rotary Hours	16.25	WOB	25	Pick UP	175	Slack Off	165	SPM	
End Depth	7777.00	Circulating Hours	1.92	RAB	170	SPP	3000	FlowRate	550 - 550	130	
Total Drilled:	2194.00	Avg. Total ROP:	120.22	Mud Data							
Total Rotary Drilled:	2076.00	Avg. Rotary ROP:	127.75	Type	LSND			PV	22	SOLID	10
Total Drilled Sliding:	118.00	Avg. Slide ROP:	59.00	Weight	10.4	GAS	135	YP	27	BHT°	0
Slide Hours:	2.00	Percent Rotary:	94.62	Viscosity	51	SAND	0.75	PH	9.6	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	5.38	Chlorides	1000	WL	6.4			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth		BHA # 2:Mi516, 6.5 Mtr. 7/8 , 3.3, .16 rev/gal, 6.5" UBHO, 6.5" Monel, 6.5" Gap Sub, 6.5" Monel , 42 Jts. HWDP,			
Second Directional :	Lonnie Luttrull			Signature:							
MWD Operator1	PAUL LOEHR										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	1.2	Azm. In:	35.8	Incl. Out:	1.1	Azm. Out:	254.3				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Jul-10	00:00	00:45	0.75	5488	5584	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	00:45	00:50	0.08	5584	5584	Survey & Conn.	Survey & Conn.
31-Jul-10	00:50	01:30	0.67	5584	5679	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	01:30	01:55	0.42	5679	5679	Survey & Conn.	Survey & Conn.
31-Jul-10	01:55	02:35	0.67	5679	5775	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	02:35	02:40	0.08	5775	5775	Survey & Conn.	Survey & Conn.
31-Jul-10	02:40	02:50	0.17	5775	5782	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	02:50	03:25	0.58	5782	5870	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	03:25	03:35	0.17	5870	5870	Survey & Conn.	Survey & Conn.
31-Jul-10	03:35	04:15	0.67	5870	5965	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	04:15	04:30	0.25	5965	5965	Survey & Conn.	Survey & Conn.
31-Jul-10	04:30	04:50	0.33	5965	5985	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	04:50	05:15	0.42	5985	6061	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	05:15	05:25	0.17	6061	6061	Survey & Conn.	Survey & Conn.
31-Jul-10	05:25	06:05	0.67	6061	6156	Survey & Conn.	drilling
31-Jul-10	06:05	06:10	0.08	6156	6156	Survey & Conn.	Survey & Conn.
31-Jul-10	06:10	06:25	0.25	6156	6176	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)



Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Jul-10	06:25	07:00	0.58	6176	6252	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	07:00	07:05	0.08	6252	6252	Survey & Conn.	Survey & Conn.
31-Jul-10	07:05	07:25	0.33	6252	6268	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	07:25	08:05	0.67	6268	6347	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	08:05	08:10	0.08	6347	6347	Survey & Conn.	Survey & Conn.
31-Jul-10	08:10	08:40	0.50	6347	6443	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	08:40	08:45	0.08	6443	6443	Survey & Conn.	Survey & Conn.
31-Jul-10	08:45	09:20	0.58	6443	6443	Rig Service-Inhole	Rig Service-Inhole
31-Jul-10	09:20	10:00	0.67	6443	6538	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	10:00	10:10	0.17	6538	6538	Survey & Conn.	Survey & Conn.
31-Jul-10	10:10	10:55	0.75	6538	6633	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	10:55	11:00	0.08	6633	6633	Survey & Conn.	Survey & Conn.
31-Jul-10	11:00	11:45	0.75	6633	6729	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	11:45	11:50	0.08	6729	6729	Survey & Conn.	Survey & Conn.
31-Jul-10	11:50	12:15	0.42	6729	6749	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	12:15	13:00	0.75	6749	6824	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	13:00	13:05	0.08	6824	6824	Survey & Conn.	Survey & Conn.
31-Jul-10	13:05	13:50	0.75	6824	6919	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	13:50	13:55	0.08	6919	6919	Survey & Conn.	Survey & Conn.
31-Jul-10	13:55	15:05	1.17	6919	7015	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	15:05	15:10	0.08	7015	7015	Survey & Conn.	Survey & Conn.
31-Jul-10	15:10	15:50	0.67	7015	7110	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	15:50	15:55	0.08	7110	7110	Survey & Conn.	Survey & Conn.
31-Jul-10	15:55	16:40	0.75	7110	7205	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	16:40	16:45	0.08	7205	7205	Survey & Conn.	Survey & Conn.
31-Jul-10	16:45	17:05	0.33	7205	7225	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	17:05	17:45	0.67	7225	7301	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	17:45	18:00	0.25	7301	7301	Survey & Conn.	Survey & Conn.
31-Jul-10	18:00	18:10	0.17	7301	7316	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
31-Jul-10	18:10	18:40	0.50	7316	7396	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	18:40	18:45	0.08	7396	7396	Survey & Conn.	Survey & Conn.
31-Jul-10	18:45	19:30	0.75	7396	7491	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	19:30	19:35	0.08	7491	7491	Survey & Conn.	Survey & Conn.
31-Jul-10	19:35	20:15	0.67	7491	7587	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	20:15	20:20	0.08	7587	7587	Survey & Conn.	Survey & Conn.
31-Jul-10	20:20	20:50	0.50	7587	7682	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	20:50	21:00	0.17	7682	7682	Survey & Conn.	Survey & Conn.
31-Jul-10	21:00	21:45	0.75	7682	7736	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	21:45	23:05	1.33	7736	7736	Circulating	Circulating raise mud Wt.
31-Jul-10	23:05	23:45	0.67	7736	7777	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
31-Jul-10	23:45	24:00	0.25	7777	7777	Survey & Conn.	Survey & Conn.



<b>SDI Job #:</b>	20100721	<b>Report Time:</b>	2400	4 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>	05-045-181918	
<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>		
<b>COUNTY:</b>	GARFIELD	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	MDP 2 PAD GGU FED 11C-33-691			

From Sunday, August 01, 2010 at 0000 to Sunday, August 01, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	7777.00	Rotary Hours	6.67	WOB	25	Pick UP	175	Slack Off	165	SPM	
End Depth	8430.00	Circulating Hours	3.08	RAB	170	SPP	3000	FlowRate	550 - 550	130	
Total Drilled:	653.00	Avg. Total ROP:	87.07	Mud Data							
Total Rotary Drilled:	618.00	Avg. Rotary ROP:	92.70	Type	LSND			PV	22	SOLID	10
Total Drilled Sliding:	35.00	Avg. Slide ROP:	42.00	Weight	10.4	GAS	135	YP	27	BHT°	0
Slide Hours:	0.83	Percent Rotary:	94.64	Viscosity	51	SAND	0.75	PH	9.6	Flow T°	0
Below Rotary Hrs.	18.50	Percent Slide:	5.36	Chlorides	1000	WL	6.4			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth		BHA # 2:Mi516, 6.5 Mtr. 7/8 , 3.3, .16 rev/gal, 6.5" UBHO, 6.5" Monel, 6.5" Gap Sub, 6.5" Monel , 42 Jts. HWDP,			
Second Directional :	Lonnie Luttrull			Signature:							
MWD Operator1	PAUL LOEHR										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	1.1	Azm. In:	254.3	Incl. Out:	1.3	Azm. Out:	210				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Aug-10	00:00	00:20	0.33	7777	7792	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
1-Aug-10	00:20	01:25	1.08	7792	7873	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	01:25	01:30	0.08	7873	7873	Survey & Conn.	Survey & Conn.
1-Aug-10	01:30	02:00	0.50	7873	7893	Sliding	Sliding - (WOB:20;GPM :550;TFO:0)
1-Aug-10	02:00	02:45	0.75	7893	7968	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	02:45	02:55	0.17	7968	7968	Survey & Conn.	Survey & Conn.
1-Aug-10	02:55	03:50	0.92	7968	8064	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	03:50	04:00	0.17	8064	8064	Survey & Conn.	Survey & Conn.
1-Aug-10	04:00	04:50	0.83	8064	8159	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	04:50	05:30	0.67	8159	8159	Circulating	Circulating mix lcm
1-Aug-10	05:30	05:35	0.08	8159	8159	Survey & Conn.	Survey & Conn.
1-Aug-10	05:35	06:30	0.92	8159	8255	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	06:30	06:40	0.17	8255	8255	Survey & Conn.	Survey & Conn.
1-Aug-10	06:40	07:50	1.17	8255	8350	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	07:50	08:00	0.17	8350	8350	Survey & Conn.	Survey & Conn.
1-Aug-10	08:00	09:00	1.00	8350	8430	Drilling	Drilling - (WOB:25;GPM :550;RPM:50)
1-Aug-10	09:00	09:05	0.08	8430	8430	Survey & Conn.	Survey & Conn.



Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Aug-10	09:05	10:00	0.92	8430	8430	Circulating	Circulating
1-Aug-10	10:00	13:00	3.00	8430	8430	Short Trip	Short Trip
1-Aug-10	13:00	14:30	1.50	8430	8430	Circulating	Circulating
1-Aug-10	14:30	18:30	4.00	8430	8430	POOH	Laydown Tools

# Well Information

**BHA #** 1



**SDI Job #:** 20100721  
**COMPANY:** BILL BARRETT CORP  
**LOCATION:** SILT  
**RIG NAME:** PATTERSON 307  
**STATE:** COLORADO  
**COUNTY:** GARFIELD

**FIELD:** MAMM CREEK  
**Sec-Twn-Rng:**  
**PO #/ DISTRICT**  
**Lead DD:** Jason Cook  
**Co. Man:** Cecil Crow  
**BHA TYPE:** Steerable Assembly

**WELL NAME:** MDP 2 PAD GGU FED 11C-33-691

## BHA Summary Information

TIME IN - OUT		Rotary Hours		21.93		Start Depth		750.00		RPM Range	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only		29.40 / 1.33		End Depth		5332.00			
29-Jul-10 @ 03:00	30-Jul-10 @ 19:00	Slide Hours		6.13		Percent Rotary:		91.18		0 -50	0 -550
		Below Rotary Hrs.		40.00		Percent Slide:		8.82			
Total Drilled:		4582.00		Avg. Total ROP:		163.25		Incl.		Azimuth	
Total Rotary Drilled:		4178.00		Avg. Rotary ROP:		190.49		IN	OUT	IN	OUT
Total Drilled Sliding:		404.00		Avg. Slide ROP:		65.87		.0	.0	.00	.00
SPP	0 -3000	Weights	SO	0 -145	PU	0 -160	RAB	0 -155	Reason POOH		PR

Bit Data								Motor Data						Mud Data					
SMITH		MDI 519 7-11						6.5 FBH						Type		LSND			
Type Bit				PDC				Model: 650			Pad OD			WT 9.65 GAS 0 Solids 7					
TFA		0.649						MFG. HUNTING			6 3/4			Vis 46 SAND 0.2 T ° 0					
JETS		11	11	11	11	11	Bend ° 1.83		Stator/Rotor		7/8		PV 20 PH 9.5 Chlor 1000						
		11	11	0	0	0	Bit to Bend 6		Motor Diff 500		YP 18 WL 5.6 Oil % 0								
Bit Coding				IADC#					Rev/GAL 0.16			BHT° 0							
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0			Pumps		PUMP1			PUMP1				
0 0 NO							Rotor Jet 0			NAME									
										Model									
Bit Drop:			638 PSI @ 550 GPM				Sensor Offsets			Type									
Comments				Sensor		47		Sonic		0		Liner		.00			.00		
				Gamma		0		DNsc		800		Stroke		.00			.00		
				Restiv		0		GYRO		0		Efficiency		.00			.00		

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	MDI 519 7-11	JD 4942		8 3/4	1.00	1.00	4 1/2 REGP
2	6.5 Mtr. 7/8 , 3.3, .16 rev/gal	6340		6 1/2	31.53	32.53	4 1/2 XHB
3	6.5" UBHO	UB-65-S	3 3/4	6 1/4	2.95	35.48	4 1/2 XHB
4	6.5" Monel	AWS-650300085	3 1/4	6 3/8	30.03	65.51	4 1/2 XHB
5	6.5" Gap Sub	G-65-004-SW	3 1/4	6 3/8	3.98	69.49	4 1/2 XHB
6	6.5" Monel	AWS-650300056	3 1/4	6 5/16	29.66	99.15	4 1/2 XHB
7	42 Jts. HWDP	Rig	2 7/8	6 5/8	1,289.71	1388.86	4 1/2 XH

6.5" Monel  
O.D.=6 5/16  
Length=29.66

6.5" Gap Sub  
O.D.=6 3/8  
Length=3.98

6.5" Monel  
O.D.=6 3/8  
Length=30.03

6.5" UBHO  
O.D.=6 1/4  
Length=2.95

6.5 Mtr. 7/8 , 3.3, .16 rev/gal  
O.D.=6 1/2  
Length=31.53  
FN=2.0

MDI 519 7-11  
O.D.=8 3/4  
Length=1

# Well Information

**BHA #** 2



**SDI Job #:** 20100721  
**COMPANY:** BILL BARRETT CORP  
**LOCATION:** SILT  
**RIG NAME:** PATTERSON 307  
**STATE:** COLORADO  
**COUNTY:** GARFIELD

**FIELD:** MAMM CREEK  
**Sec-Twn-Rng:**  
**PO #/ DISTRICT**  
**Lead DD:** Jason Cook  
**Co. Man:** Cecil Crow  
**BHA TYPE:** Steerable Assembly

**WELL NAME:** MDP 2 PAD GGU FED 11C-33-691

## BHA Summary Information

TIME IN - OUT		Rotary Hours		24.00	Start Depth		5332.00	RPM Range	Flow Rate	
Start Time	End Time	Circ Hrs Tot/Only		32.33 / 5.17	End Depth		8430.00			
30-Jul-10 @ 19:00	01-Aug-10 @ 18:30	Slide Hours		3.17	Percent Rotary:		94.24	50 -50	550 -550	
		Below Rotary Hrs.		47.50	Percent Slide:		5.76			
Total Drilled:		3003.00	Avg. Total ROP:		110.54	Incl.		Azimuth		
Total Rotary Drilled:		2830.00	Avg. Rotary ROP:		117.92	IN	OUT	IN	OUT	
Total Drilled Sliding:		173.00	Avg. Slide ROP:		54.63	.0	.0	.00	.00	
SPP	3000 -3000	Weights	SO	145 -165	PU	160 -175	RAB	155 -170	Reason POOH	TD

Bit Data							Motor Data					Mud Data					
SMITH		Mi516					6.5 1.83 Fixed AKO Motor					Type	LSND				
Type Bit				PDC			Model: 650			Pad OD		WT 10.4 GAS 135 Solids 10					
TFA		1.138					MFG. Hunting			6 3/4		Vis 51 SAND 0.75 T ° 0					
JETS			18	18	18	16	16	Bend ° 1.83		Stator/Rotor 7:8		PV 22 PH 9.6 Chlor 1000					
			0	0	0	0	0	Bit to Bend 6		Motor Diff 500		YP 27 WL 6.4 Oil % 0					
Bit Coding				IADC#			Rev/GAL 0.16					BHT° 0					
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0			Pumps		PUMP1		PUMP1			
										NAME							
										Model							
Bit Drop:			224 PSI @ 550 GPM				Sensor Offsets			Type							
Comments				Sensor	47	Sonic	0	Liner									
				Gamma	0	DNCS	5332	Stroke									
				Restiv	0	GYRO	0	Efficiency									

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Mi516	JD7519		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 Mtr. 7/8 , 3.3, .16 rev/gal	6340		6 1/2	31.53	32.53	4 1/2 XHB
3	6.5" UBHO	UB-65-S	3 3/4	6 1/4	2.95	35.48	4 1/2 XHB
4	6.5" Monel	AWS-650300085	3 1/4	6 3/8	30.03	65.51	4 1/2 XHB
5	6.5" Gap Sub	G-65-004-SW	3 1/4	6 3/8	3.98	69.49	4 1/2 XHB
6	6.5" Monel	AWS-650300056	3 1/4	6 5/16	29.66	99.15	4 1/2 XHB
7	42 Jts. HWDP	Rig	2 7/8	6 5/8	1,289.71	1388.86	4 1/2 XH

6.5" Monel  
O.D.=6 5/16  
Length=29.66

6.5" Gap Sub  
O.D.=6 3/8  
Length=3.98

6.5" Monel  
O.D.=6 3/8  
Length=30.03

6.5" UBHO  
O.D.=6 1/4  
Length=2.95

6.5 Mtr. 7/8 , 3.3, .16 rev/gal  
O.D.=6 1/2  
Length=31.53  
FN=2.0

Mi516  
O.D.=7 7/8  
Length=1