



Well Name and Number:

GGU Federal 41C-32-691

Patterson 307  
Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





July 22, 2010

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

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

Well Reference: **GGU Federal 41C-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 2 Pad

GGU Federal 41C-32-691

Wellbore #1

Survey: Surveys

## **Standard Survey Report**

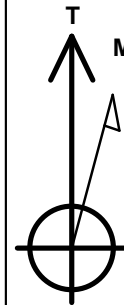
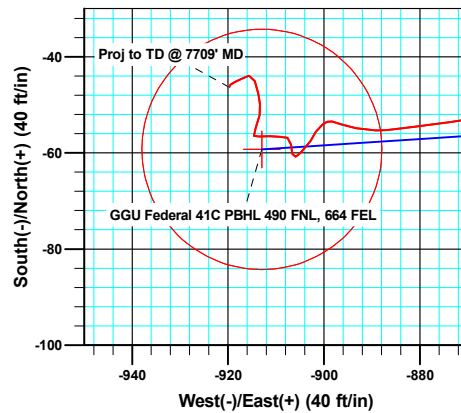
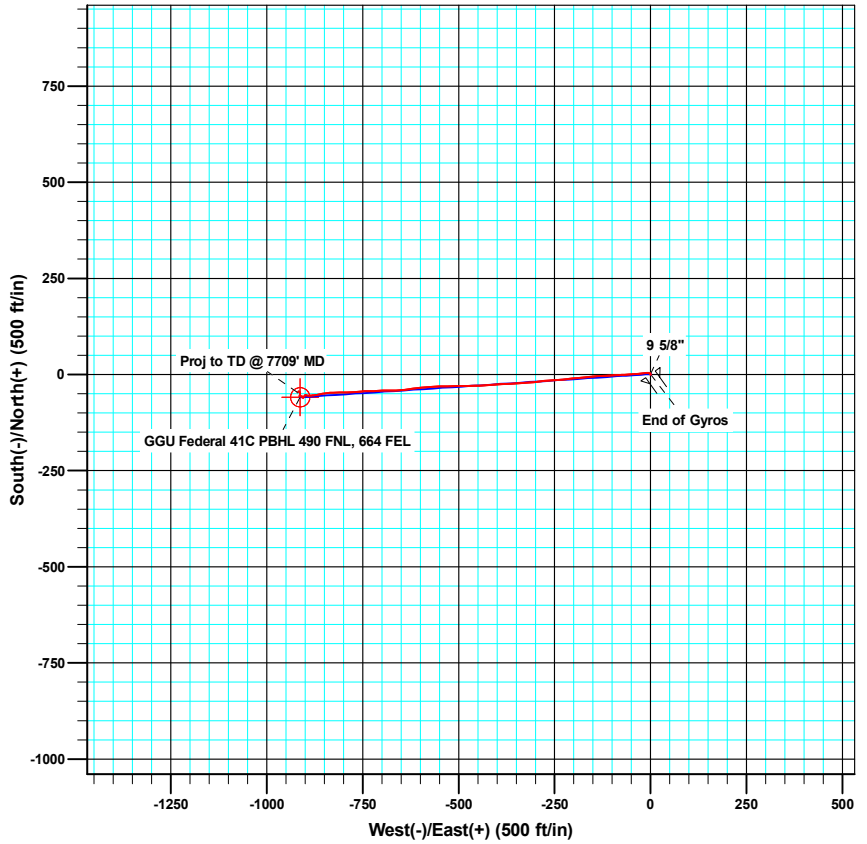
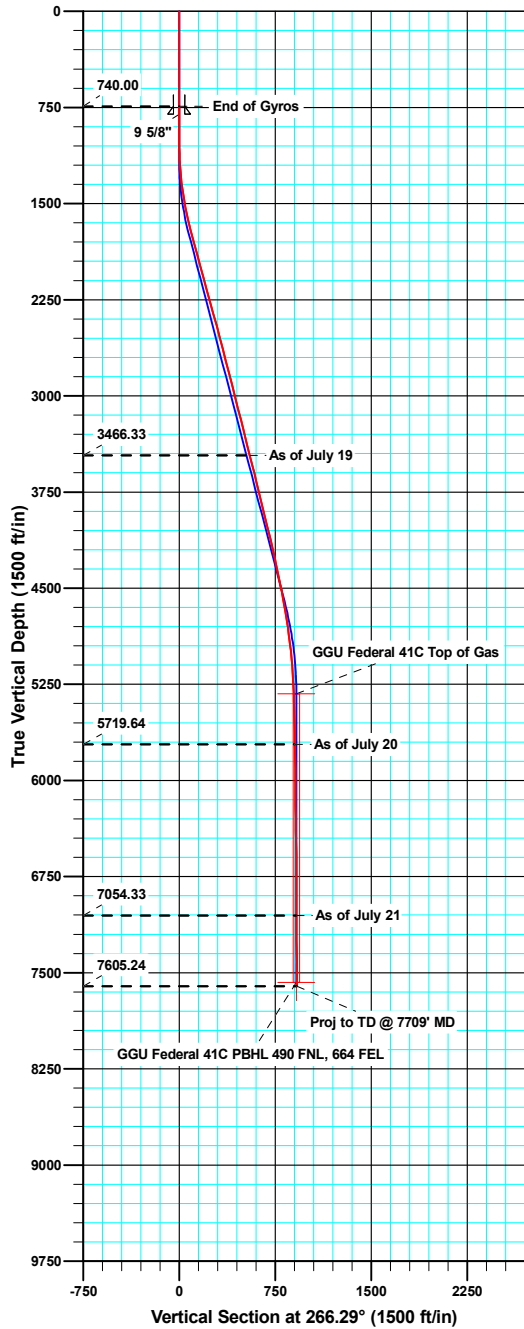
22 July, 2010





WELL DETAILS: GGU Federal 41C-32-691

Ground Level: 6352.00  
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1610204.04 2416585.99 39.490560 -107.567393



Azimuths to True North  
 Magnetic North: 10.29°

Magnetic Field  
 Strength: 52450.5snT  
 Dip Angle: 65.86°  
 Date: 03/31/2010  
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
3466.33	3534.00	14.00	267.50	-31.26	-550.75	551.62	554.67	As of July 19
5719.64	5823.00	1.00	200.00	-55.65	-901.73	903.44	908.43	As of July 20
7054.33	7158.00	1.50	350.00	-47.70	-913.65	914.83	936.62	As of July 21
7605.24	7709.00	0.40	201.40	-46.29	-919.73	920.80	946.55	Proj to TD @ 7709' MD



<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 41C-32-691
<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 41C-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		

<b>Site</b>	MDP 2 Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,610,172.45 usft	<b>Latitude:</b>	39.490473
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,416,581.89 usft	<b>Longitude:</b>	-107.567405
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	0.00 ft	<b>Grid Convergence:</b>	-1.30 °

<b>Well</b>	GGU Federal 41C-32-691					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,610,204.04 usft	<b>Latitude:</b>	39.490560
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,416,585.99 usft	<b>Longitude:</b>	-107.567393
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	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	266.29	

<b>Survey Program</b>	<b>Date</b>	07/22/10			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
50.00	740.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
881.00	7,709.00	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>	
740.00	0.12	49.06	740.00	0.32	0.16	-0.18	0.00	0.00	0.00	
803.90	0.22	324.84	803.90	0.46	0.14	-0.17	0.38	0.16	-131.79	
<b>9 5/8"</b>										
881.00	0.50	308.10	881.00	0.79	-0.21	0.16	0.38	0.36	-21.72	
973.00	0.60	2.70	972.99	1.52	-0.50	0.40	0.56	0.11	59.35	
1,065.00	1.50	310.40	1,064.98	2.79	-1.40	1.21	1.34	0.98	-56.85	
1,157.00	2.80	283.40	1,156.91	4.09	-4.50	4.23	1.75	1.41	-29.35	
1,249.00	4.40	263.30	1,248.73	4.20	-10.19	9.90	2.19	1.74	-21.85	
1,341.00	6.80	263.70	1,340.29	3.19	-19.11	18.86	2.61	2.61	0.43	
1,437.00	8.80	262.50	1,435.39	1.60	-32.04	31.87	2.09	2.08	-1.25	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 41C-32-691
<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 41C-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)	
1,532.00	11.00	268.20	1,528.98	0.37	-48.31	48.18	2.53	2.32	6.00	
1,627.00	12.70	267.00	1,621.95	-0.46	-67.80	67.68	1.81	1.79	-1.26	
1,723.00	15.00	265.80	1,715.15	-1.92	-90.73	90.66	2.41	2.40	-1.25	
1,818.00	14.70	267.80	1,806.98	-3.29	-115.03	115.01	0.63	-0.32	2.11	
1,913.00	15.20	265.90	1,898.76	-4.64	-139.50	139.51	0.74	0.53	-2.00	
2,009.00	14.80	264.40	1,991.49	-6.74	-164.26	164.35	0.58	-0.42	-1.56	
2,104.00	15.70	265.20	2,083.15	-9.00	-189.14	189.33	0.97	0.95	0.84	
2,200.00	16.20	262.00	2,175.45	-11.95	-215.35	215.67	1.05	0.52	-3.33	
2,295.00	15.30	267.20	2,266.89	-14.40	-240.99	241.42	1.76	-0.95	5.47	
2,390.00	15.30	266.00	2,358.52	-15.89	-266.01	266.48	0.33	0.00	-1.26	
2,485.00	15.00	262.00	2,450.22	-18.47	-290.69	291.28	1.14	-0.32	-4.21	
2,580.00	14.70	267.30	2,542.05	-20.75	-314.91	315.59	1.46	-0.32	5.58	
2,676.00	15.10	264.90	2,634.83	-22.44	-339.53	340.27	0.77	0.42	-2.50	
2,771.00	14.20	267.80	2,726.74	-23.99	-363.50	364.29	1.22	-0.95	3.05	
2,867.00	14.40	266.10	2,819.76	-25.25	-387.17	388.00	0.48	0.21	-1.77	
2,962.00	14.20	268.20	2,911.82	-26.42	-410.61	411.45	0.59	-0.21	2.21	
3,058.00	14.00	264.70	3,004.93	-27.86	-433.94	434.83	0.91	-0.21	-3.65	
3,153.00	15.00	267.30	3,096.90	-29.50	-457.66	458.61	1.26	1.05	2.74	
3,248.00	14.90	270.30	3,188.69	-30.02	-482.16	483.09	0.82	-0.11	3.16	
3,343.00	14.00	269.60	3,280.68	-30.03	-505.86	506.74	0.97	-0.95	-0.74	
3,439.00	13.20	268.30	3,373.99	-30.44	-528.43	529.29	0.89	-0.83	-1.35	
3,534.00	14.00	267.50	3,466.33	-31.26	-550.75	551.62	0.87	0.84	-0.84	
3,630.00	14.40	267.00	3,559.39	-32.40	-574.27	575.17	0.44	0.42	-0.52	
3,725.00	13.30	263.00	3,651.63	-34.35	-596.92	597.89	1.53	-1.16	-4.21	
3,820.00	13.70	262.60	3,744.01	-37.13	-618.92	620.02	0.43	0.42	-0.42	
3,916.00	13.40	263.70	3,837.34	-39.81	-641.25	642.48	0.41	-0.31	1.15	
4,011.00	13.80	266.90	3,929.67	-41.63	-663.51	664.81	0.90	0.42	3.37	
4,106.00	14.60	270.60	4,021.77	-42.12	-686.79	688.08	1.27	0.84	3.89	
4,202.00	13.50	266.00	4,114.90	-42.77	-710.07	711.35	1.63	-1.15	-4.79	
4,296.00	13.30	271.00	4,206.34	-43.35	-731.83	733.10	1.25	-0.21	5.32	
4,392.00	11.30	263.70	4,300.14	-44.19	-752.22	753.50	2.64	-2.08	-7.60	
4,488.00	12.20	267.20	4,394.13	-45.72	-771.70	773.04	1.20	0.94	3.65	
4,583.00	12.00	269.40	4,487.02	-46.31	-791.60	792.94	0.53	-0.21	2.32	
4,678.00	10.50	267.00	4,580.19	-46.87	-810.12	811.46	1.65	-1.58	-2.53	
4,774.00	9.90	270.00	4,674.68	-47.33	-827.11	828.44	0.83	-0.63	3.13	
4,869.00	8.40	263.20	4,768.47	-48.15	-842.17	843.52	1.94	-1.58	-7.16	
4,965.00	6.90	258.90	4,863.61	-50.09	-854.79	856.24	1.67	-1.56	-4.48	
5,060.00	7.40	259.30	4,957.87	-52.32	-866.40	867.97	0.53	0.53	0.42	
5,155.00	5.30	263.20	5,052.28	-53.98	-876.77	878.43	2.26	-2.21	4.11	
5,251.00	3.60	261.30	5,147.99	-54.96	-884.15	885.86	1.78	-1.77	-1.98	
5,346.00	2.50	273.40	5,242.86	-55.29	-889.17	890.89	1.34	-1.16	12.74	
5,441.00	2.50	278.30	5,337.77	-54.87	-893.29	894.97	0.22	0.00	5.16	
5,537.00	1.40	297.70	5,433.71	-54.02	-896.40	898.02	1.32	-1.15	20.21	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Federal 41C-32-691
<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 41C-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)	
5,632.00	1.10	274.00	5,528.69	-53.41	-898.34	899.91	0.62	-0.32	-24.95	
5,727.00	1.60	235.40	5,623.66	-54.10	-900.34	901.95	1.06	0.53	-40.63	
5,823.00	1.00	200.00	5,719.64	-55.65	-901.73	903.44	1.02	-0.63	-36.88	
5,918.00	1.60	217.30	5,814.61	-57.49	-902.82	904.64	0.75	0.63	18.21	
6,014.00	1.60	221.10	5,910.58	-59.56	-904.51	906.47	0.11	0.00	3.96	
6,109.00	0.70	252.70	6,005.56	-60.73	-905.93	907.97	1.12	-0.95	33.26	
6,205.00	0.90	353.00	6,101.55	-60.16	-906.59	908.58	1.29	0.21	104.48	
6,300.00	1.40	351.00	6,196.53	-58.27	-906.86	908.73	0.53	0.53	-2.11	
6,395.00	0.70	296.40	6,291.52	-56.87	-907.56	909.34	1.21	-0.74	-57.47	
6,491.00	1.20	267.70	6,387.51	-56.65	-909.09	910.85	0.70	0.52	-29.90	
6,586.00	1.50	278.00	6,482.48	-56.52	-911.32	913.06	0.40	0.32	10.84	
6,681.00	1.10	256.00	6,577.45	-56.56	-913.43	915.18	0.67	-0.42	-23.16	
6,777.00	0.50	324.60	6,673.45	-56.45	-914.57	916.30	1.07	-0.63	71.46	
6,872.00	1.80	25.30	6,768.43	-54.76	-914.17	915.80	1.70	1.37	63.89	
6,967.00	1.60	5.50	6,863.39	-52.09	-913.41	914.86	0.65	-0.21	-20.84	
7,063.00	1.10	355.00	6,959.36	-49.84	-913.36	914.67	0.58	-0.52	-10.94	
7,158.00	1.50	350.00	7,054.34	-47.70	-913.65	914.83	0.44	0.42	-5.26	
7,253.00	1.80	340.60	7,149.30	-45.07	-914.36	915.36	0.42	0.32	-9.89	
7,349.00	0.90	250.40	7,245.28	-43.90	-915.58	916.50	2.10	-0.94	-93.96	
7,444.00	1.10	246.10	7,340.26	-44.52	-917.11	918.07	0.22	0.21	-4.53	
7,540.00	0.90	242.50	7,436.25	-45.24	-918.62	919.63	0.22	-0.21	-3.75	
7,635.00	0.40	223.90	7,531.24	-45.83	-919.52	920.55	0.56	-0.53	-19.58	
7,662.00	0.40	201.40	7,558.24	-45.98	-919.62	920.66	0.58	0.00	-83.33	
7,709.00	0.40	201.40	7,605.24	-46.29	-919.73	920.80	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)	
803.90	803.90	9 5/8"	0.80	1.02	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
3,534.00	3,466.33	-31.26	-550.75	As of July 19	
5,823.00	5,719.64	-55.65	-901.73	As of July 20	
7,158.00	7,054.34	-47.70	-913.65	As of July 21	
7,709.00	7,605.24	-46.29	-919.73	Proj to TD @ 7709' MD	

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



<b>SDI Job #:</b>	20100717	<b>Report Time:</b>	2400	1 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>		
<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>	91W	
<b>WELL NAME:</b>	MDP 2 Pad, GGU FED 41C-32-691			

From Sunday, July 18, 2010 at 0000 to Sunday, July 18, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	837.00	Rotary Hours	6.50	WOB	20	Pick UP	0	Slack Off	0	SPM	
End Depth	2583.00	Circulating Hours	1.00	RAB	0	SPP	2500	FlowRate	0 - 555	140	
Total Drilled:	1746.00	Avg. Total ROP:	216.00	Mud Data							
Total Rotary Drilled:	1537.00	Avg. Rotary ROP:	236.46	Type			PV	0	SOLID	0	
Total Drilled Sliding:	209.00	Avg. Slide ROP:	132.00	Weight	8.8	GAS	0	YP	0	BHT°	0
Slide Hours:	1.58	Percent Rotary:	88.03	Viscosity	42	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	12.00	Percent Slide:	11.97	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, 3.3, .16 rev/gal, 6.5" UBHO, 6.5" Monel, 6.5" Gap Sub, 6.5" Monel , 42 Jts. HWDP,				
Second Directional :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	0.12	Azm. In:	49.06	Incl. Out:	15	Azm. Out:	262				

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jul-10	12:00	12:50	0.83	837	837	Change BHA	P/U directional tools
18-Jul-10	12:50	13:20	0.50	837	837	TIH	TIH
18-Jul-10	13:20	14:00	0.67	837	837	Drilling Cement	D/O cement, float & shoe
18-Jul-10	14:00	14:30	0.50	837	928	Drilling	Drilling
18-Jul-10	14:30	14:35	0.08	928	928	Survey & Conn.	Survey & Conn.
18-Jul-10	14:35	14:50	0.25	928	1020	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	14:50	14:55	0.08	1020	1020	Survey & Conn.	Survey & Conn.
18-Jul-10	14:55	15:00	0.08	1020	1033	Sliding	Survey & Conn.
18-Jul-10	15:00	15:20	0.33	1033	1112	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	15:20	15:25	0.08	1112	1112	Survey & Conn.	Survey & Conn.
18-Jul-10	15:25	15:30	0.08	1112	1132	Sliding	Sliding - (WOB:20;GPM :476;TFO:0)
18-Jul-10	15:30	15:50	0.33	1132	1204	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	15:50	15:55	0.08	1204	1204	Survey & Conn.	Survey & Conn.
18-Jul-10	15:55	16:05	0.17	1204	1226	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	16:05	16:20	0.25	1226	1296	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	16:20	16:25	0.08	1296	1296	Survey & Conn.	Survey & Conn.
18-Jul-10	16:25	16:35	0.17	1296	1319	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jul-10	16:35	16:50	0.25	1319	1388	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	16:50	17:00	0.17	1388	1388	Survey & Conn.	Survey & Conn.
18-Jul-10	17:00	17:10	0.17	1388	1412	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	17:10	17:25	0.25	1412	1484	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	17:25	17:30	0.08	1484	1484	Survey & Conn.	Survey & Conn.
18-Jul-10	17:30	17:45	0.25	1484	1508	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	17:45	18:05	0.33	1508	1579	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	18:05	18:10	0.08	1579	1579	Survey & Conn.	Survey & Conn.
18-Jul-10	18:10	18:20	0.17	1579	1603	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	18:20	18:35	0.25	1603	1674	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	18:35	18:40	0.08	1674	1674	Survey & Conn.	Survey & Conn.
18-Jul-10	18:40	19:40	1.00	1674	1674	Rig Service-Inhole	Rig Service-Inhole
18-Jul-10	19:40	19:50	0.17	1674	1698	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	19:50	20:05	0.25	1698	1770	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	20:05	20:10	0.08	1770	1770	Survey & Conn.	Survey & Conn.
18-Jul-10	20:10	20:35	0.42	1770	1865	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	20:35	20:40	0.08	1865	1865	Survey & Conn.	Survey & Conn.
18-Jul-10	20:40	20:55	0.25	1865	1960	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	20:55	21:00	0.08	1960	1960	Survey & Conn.	Survey & Conn.
18-Jul-10	21:00	21:25	0.42	1960	2056	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	21:25	21:30	0.08	2056	2056	Survey & Conn.	Survey & Conn.
18-Jul-10	21:30	21:55	0.42	2056	2151	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	21:55	22:00	0.08	2151	2151	Survey & Conn.	Survey & Conn.
18-Jul-10	22:00	22:20	0.33	2151	2247	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	22:20	22:25	0.08	2247	2247	Survey & Conn.	Survey & Conn.
18-Jul-10	22:25	22:35	0.17	2247	2267	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	22:35	22:55	0.33	2267	2342	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	22:55	23:00	0.08	2342	2342	Survey & Conn.	Survey & Conn.
18-Jul-10	23:00	23:15	0.25	2342	2437	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	23:15	23:20	0.08	2437	2437	Survey & Conn.	Survey & Conn.
18-Jul-10	23:20	23:40	0.33	2437	2532	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
18-Jul-10	23:40	23:45	0.08	2532	2532	Survey & Conn.	Survey & Conn.
18-Jul-10	23:45	23:55	0.17	2532	2547	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
18-Jul-10	23:55	24:00	0.08	2547	2583	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)



<b>SDI Job #:</b>	20100717	<b>Report Time:</b>	2400	2 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>		
<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>	91W	
<b>WELL NAME:</b>	MDP 2 Pad, GGU FED 41C-32-691			

**From Monday, July 19, 2010 at 0000 to Monday, July 19, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters							
Start Depth	2583.00	Rotary Hours	13.75	WOB	30	Pick UP	0	Slack Off	0	SPM	
End Depth	5393.00	Circulating Hours	0.50	RAB	0	SPP	3200	FlowRate	476 - 555	140	
Total Drilled:	2810.00	Avg. Total ROP:	147.89	<b>Mud Data</b>							
Total Rotary Drilled:	2446.00	Avg. Rotary ROP:	177.89	Type		PV	24	SOLID	7		
Total Drilled Sliding:	364.00	Avg. Slide ROP:	69.33	Weight	9.4	GAS	0	YP	21	BHT°	0
Slide Hours:	5.25	Percent Rotary:	87.05	Viscosity	55	SAND	0.2	PH	9.9	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	12.95	Chlorides	100	WL	5.6		Oil %	0	

PERSONNEL				Casing			BHA	
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 1:MDi519 7x11, 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 :	Jason Cook			Signature:				
MWD Operator1	Paul Loehr							
MWD Operator2								
Directional Company:	Sharewell							
Geologist:								
Company Man:	Cecil Crow							
Incl. In:	15	Azm. In:	262	Incl. Out:	2.5	Azm. Out:	273.6	

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	00:00	00:10	0.17	2583	2627	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	00:10	00:15	0.08	2627	2627	Survey & Conn.	Survey & Conn.
19-Jul-10	00:15	00:35	0.33	2627	2723	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	00:35	00:45	0.17	2723	2723	Survey & Conn.	Survey & Conn.
19-Jul-10	00:45	00:55	0.17	2723	2738	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	00:55	01:20	0.42	2738	2818	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	01:20	01:25	0.08	2818	2818	Survey & Conn.	Survey & Conn.
19-Jul-10	01:25	01:40	0.25	2818	2914	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	01:40	01:45	0.08	2914	2914	Survey & Conn.	Survey & Conn.
19-Jul-10	01:45	02:10	0.42	2914	3009	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	02:10	02:15	0.08	3009	3009	Survey & Conn.	Survey & Conn.
19-Jul-10	02:15	02:30	0.25	3009	3105	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	02:30	02:40	0.17	3105	3105	Survey & Conn.	Survey & Conn.
19-Jul-10	02:40	02:45	0.08	3105	3118	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	02:45	03:15	0.50	3118	3200	Drilling	Drilling - (WOB:20;GPM :476;RPM:48)
19-Jul-10	03:15	03:20	0.08	3200	3200	Survey & Conn.	Survey & Conn.
19-Jul-10	03:20	03:40	0.33	3200	3295	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	03:40	03:45	0.08	3295	3295	Survey & Conn.	Survey & Conn.
19-Jul-10	03:45	04:15	0.50	3295	3390	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	04:15	04:20	0.08	3390	3390	Survey & Conn.	Survey & Conn.
19-Jul-10	04:20	04:40	0.33	3390	3486	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	04:40	04:45	0.08	3486	3486	Survey & Conn.	Survey & Conn.
19-Jul-10	04:45	04:55	0.17	3486	3506	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	04:55	05:30	0.58	3506	3581	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	05:30	05:35	0.08	3581	3581	Survey & Conn.	Survey & Conn.
19-Jul-10	05:35	05:50	0.25	3581	3597	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	05:50	06:30	0.67	3597	3677	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	06:30	06:35	0.08	3677	3677	Survey & Conn.	Survey & Conn.
19-Jul-10	06:35	07:00	0.42	3677	3772	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	07:00	07:05	0.08	3772	3772	Survey & Conn.	Survey & Conn.
19-Jul-10	07:05	07:20	0.25	3772	3794	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	07:20	07:40	0.33	3794	3867	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	07:40	07:45	0.08	3867	3867	Survey & Conn.	Survey & Conn.
19-Jul-10	07:45	08:05	0.33	3867	3884	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	08:05	08:30	0.42	3884	3963	Drilling	Drilling - (WOB:25;GPM :555;RPM:48)
19-Jul-10	08:30	08:35	0.08	3963	3963	Survey & Conn.	Survey & Conn.
19-Jul-10	08:35	08:50	0.25	3963	3988	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	08:50	09:20	0.50	3988	4058	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	09:20	09:25	0.08	4058	4058	Survey & Conn.	Survey & Conn.
19-Jul-10	09:25	09:45	0.33	4058	4073	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	09:45	10:20	0.58	4073	4153	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	10:20	10:25	0.08	4153	4153	Survey & Conn.	Survey & Conn.
19-Jul-10	10:25	11:05	0.67	4153	4249	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	11:05	11:10	0.08	4249	4249	Survey & Conn.	Survey & Conn.
19-Jul-10	11:10	11:30	0.33	4249	4273	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	11:30	11:55	0.42	4273	4343	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	11:55	12:00	0.08	4343	4343	Survey & Conn.	Survey & Conn.
19-Jul-10	12:00	12:30	0.50	4343	4439	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	12:30	12:35	0.08	4439	4439	Survey & Conn.	Survey & Conn.
19-Jul-10	12:35	13:00	0.42	4439	4464	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	13:00	13:35	0.58	4464	4535	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	13:35	14:05	0.50	4535	4535	Rig Service-Inhole	Rig Service-Inhole
19-Jul-10	14:05	15:45	1.67	4535	4535	Rig repair	Rig repair
19-Jul-10	15:45	15:50	0.08	4535	4535	Survey & Conn.	Survey & Conn.
19-Jul-10	15:50	16:00	0.17	4535	4567	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	16:00	16:35	0.58	4567	4585	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	16:35	16:40	0.08	4585	4585	Survey & Conn.	Survey & Conn.
19-Jul-10	16:40	17:00	0.33	4585	4656	Drilling	Drilling - (WOB:28;GPM :555;RPM:48)
19-Jul-10	17:00	17:15	0.25	4656	4666	Sliding	Sliding - (WOB:25;GPM :555;TFO:0)
19-Jul-10	17:15	17:40	0.42	4666	4725	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	17:40	17:45	0.08	4725	4725	Survey & Conn.	Survey & Conn.
19-Jul-10	17:45	17:55	0.17	4725	4735	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
19-Jul-10	17:55	18:30	0.58	4735	4821	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	18:30	18:35	0.08	4821	4821	Survey & Conn.	Survey & Conn.
19-Jul-10	18:35	19:10	0.58	4821	4916	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	19:10	19:15	0.08	4916	4916	Survey & Conn.	Survey & Conn.
19-Jul-10	19:15	19:50	0.58	4916	5012	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	19:50	19:55	0.08	5012	5012	Survey & Conn.	Survey & Conn.
19-Jul-10	19:55	20:35	0.67	5012	5107	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	20:35	20:40	0.08	5107	5107	Survey & Conn.	Survey & Conn.
19-Jul-10	20:40	21:00	0.33	5107	5125	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
19-Jul-10	21:00	21:35	0.58	5125	5202	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
19-Jul-10	21:35	21:40	0.08	5202	5202	Survey & Conn.	Survey & Conn.
19-Jul-10	21:40	22:00	0.33	5202	5222	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
19-Jul-10	22:00	22:35	0.58	5222	5298	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	22:35	22:45	0.17	5298	5298	Survey & Conn.	Survey & Conn.
19-Jul-10	22:45	23:10	0.42	5298	5317	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
19-Jul-10	23:10	23:50	0.67	5317	5393	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
19-Jul-10	23:50	24:00	0.17	5393	5393	Survey & Conn.	Survey & Conn.



<b>SDI Job #:</b>	20100717	<b>Report Time:</b>	2400	3 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>		
<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>		91W
<b>WELL NAME:</b>	MDP 2 Pad, GGU FED 41C-32-691			

From Tuesday, July 20, 2010 at 0000 to Tuesday, July 20, 2010 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5393.00	Rotary Hours	11.83	WOB	25	Pick UP	0	Slack Off	0	SPM	
End Depth	6778.00	Circulating Hours	1.25	RAB	0	SPP	2600	FlowRate	476 - 555	120	
Total Drilled:	1385.00	Avg. Total ROP:	92.85	Mud Data							
Total Rotary Drilled:	1264.00	Avg. Rotary ROP:	106.82	Type		PV	24	SOLID	7		
Total Drilled Sliding:	121.00	Avg. Slide ROP:	39.24	Weight	9.4	GAS	0	YP	21	BHT°	0
Slide Hours:	3.08	Percent Rotary:	91.26	Viscosity	55	SAND	0.2	PH	9.9	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	8.74	Chlorides	100	WL	5.6		Oil %	0	
PERSONNEL				Casing			BHA				
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 2:Mi516 2x18 2x16, 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 :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow										
Incl. In:	2.5	Azm. In:	273.6	Incl. Out:	1.1	Azm. Out:	256				

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jul-10	00:00	00:55	0.92	5393	5488	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	00:55	01:00	0.08	5488	5488	Survey & Conn.	Survey & Conn.
20-Jul-10	01:00	01:25	0.42	5488	5508	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	01:25	02:10	0.75	5508	5584	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	02:10	02:20	0.17	5584	5584	Survey & Conn.	Survey & Conn.
20-Jul-10	02:20	03:15	0.92	5584	5679	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	03:15	03:20	0.08	5679	5679	Survey & Conn.	Survey & Conn.
20-Jul-10	03:20	04:15	0.92	5679	5774	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	04:15	04:20	0.08	5774	5774	Survey & Conn.	Survey & Conn.
20-Jul-10	04:20	04:40	0.33	5774	5790	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	04:40	05:35	0.92	5790	5870	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	05:35	05:40	0.08	5870	5870	Survey & Conn.	Survey & Conn.
20-Jul-10	05:40	06:55	1.25	5870	5965	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	06:55	07:00	0.08	5965	5965	Survey & Conn.	Survey & Conn.
20-Jul-10	07:00	07:30	0.50	5965	6009	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	07:30	08:00	0.50	6009	6024	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	08:00	08:30	0.50	6024	6034	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jul-10	08:30	11:30	3.00	6034	6034	POOH	POOH
20-Jul-10	11:30	11:45	0.25	6034	6034	Change BHA	Change BHA
20-Jul-10	11:45	12:30	0.75	6034	6034	TIH	TIH
20-Jul-10	12:30	13:00	0.50	6034	6034	Rig Service-Inhole	Rig Service-Inhole
20-Jul-10	13:00	13:30	0.50	6034	6034	TIH	TIH T/2061
20-Jul-10	13:30	13:40	0.17	6034	6034	Reaming	Ream T/2155
20-Jul-10	13:40	13:50	0.17	6034	6034	TIH	TIH
20-Jul-10	13:50	14:00	0.17	6034	6034	Reaming	Ream T/2539
20-Jul-10	14:00	15:00	1.00	6034	6034	TIH	TIH
20-Jul-10	15:00	15:10	0.17	6034	6034	Reaming	Ream T/4085
20-Jul-10	15:10	16:05	0.92	6034	6034	TIH	TIH
20-Jul-10	16:05	16:20	0.25	6034	6034	Reaming	Ream T/ Btm.
20-Jul-10	16:20	16:45	0.42	6034	6061	Drilling	Drilling - (WOB:30;GPM :555;RPM:47)
20-Jul-10	16:45	16:50	0.08	6061	6061	Survey & Conn.	Survey & Conn.
20-Jul-10	16:50	16:55	0.08	6061	6064	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	16:55	17:15	0.33	6064	6079	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	17:15	17:50	0.58	6079	6156	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	17:50	17:55	0.08	6156	6156	Survey & Conn.	Survey & Conn.
20-Jul-10	17:55	18:15	0.33	6156	6176	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	18:15	18:55	0.67	6176	6252	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	18:55	19:00	0.08	6252	6252	Survey & Conn.	Survey & Conn.
20-Jul-10	19:00	19:40	0.67	6252	6347	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	19:40	19:45	0.08	6347	6347	Survey & Conn.	Survey & Conn.
20-Jul-10	19:45	20:25	0.67	6347	6442	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	20:25	20:30	0.08	6442	6442	Survey & Conn.	Survey & Conn.
20-Jul-10	20:30	21:05	0.58	6442	6538	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	21:05	21:10	0.08	6538	6538	Survey & Conn.	Survey & Conn.
20-Jul-10	21:10	21:50	0.67	6538	6633	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	21:50	21:55	0.08	6633	6633	Survey & Conn.	Survey & Conn.
20-Jul-10	21:55	22:30	0.58	6633	6647	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	22:30	23:10	0.67	6647	6728	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
20-Jul-10	23:10	23:15	0.08	6728	6728	Survey & Conn.	Survey & Conn.
20-Jul-10	23:15	23:50	0.58	6728	6749	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
20-Jul-10	23:50	24:00	0.17	6749	6778	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)



<b>SDI Job #:</b>	20100717	<b>Report Time:</b>	2400	4 of 4
<b>COMPANY:</b>	BILL BARRETT CORP	<b>API JOB #</b>		
<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>		91W
<b>WELL NAME:</b>	MDP 2 Pad, GGU FED 41C-32-691			

**From Wednesday, July 21, 2010 at 0000 to Wednesday, July 21, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters							
Start Depth	6778.00	Rotary Hours	8.58	WOB	25	Pick UP	0	Slack Off	0	SPM	
End Depth	7709.00	Circulating Hours	1.92	RAB	0	SPP	3500	FlowRate	476 - 555	120	
Total Drilled:	931.00	Avg. Total ROP:	97.15	<b>Mud Data</b>							
Total Rotary Drilled:	886.00	Avg. Rotary ROP:	103.22	Type		PV	24	SOLID	7		
Total Drilled Sliding:	45.00	Avg. Slide ROP:	45.00	Weight	9.4	GAS	0	YP	21	BHT°	0
Slide Hours:	1.00	Percent Rotary:	95.17	Viscosity	55	SAND	0.2	PH	9.9	Flow T°	0
Below Rotary Hrs.	20.50	Percent Slide:	4.83	Chlorides	100	WL	5.6		Oil %	0	

PERSONNEL				Casing			BHA				
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 2:Mi516 2x18 2x16, 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 :	Jason Cook			Signature:							
MWD Operator1	Paul Loehr										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Cecil Crow			Incl. In:	1.1	Azm. In:	256	Incl. Out:	0	Azm. Out:	0

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jul-10	00:00	00:15	0.25	6778	6824	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	00:15	00:25	0.17	6824	6824	Survey & Conn.	Survey & Conn.
21-Jul-10	00:25	00:50	0.42	6824	6839	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
21-Jul-10	00:50	01:35	0.75	6839	6919	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	01:35	01:40	0.08	6919	6919	Survey & Conn.	Survey & Conn.
21-Jul-10	01:40	02:45	1.08	6919	7014	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	02:45	02:50	0.08	7014	7014	Survey & Conn.	Survey & Conn.
21-Jul-10	02:50	04:05	1.25	7014	7110	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	04:05	04:15	0.17	7110	7110	Survey & Conn.	Survey & Conn.
21-Jul-10	04:15	05:00	0.75	7110	7205	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	05:00	05:05	0.08	7205	7205	Survey & Conn.	Survey & Conn.
21-Jul-10	05:05	05:15	0.17	7205	7216	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	05:15	05:30	0.25	7216	7231	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
21-Jul-10	05:30	06:10	0.67	7231	7300	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	06:10	06:15	0.08	7300	7300	Survey & Conn.	Survey & Conn.
21-Jul-10	06:15	06:35	0.33	7300	7315	Sliding	Sliding - (WOB:30;GPM :555;TFO:0)
21-Jul-10	06:35	07:35	1.00	7315	7396	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jul-10	07:35	07:40	0.08	7396	7396	Survey & Conn.	Survey & Conn.
21-Jul-10	07:40	08:25	0.75	7396	7491	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	08:25	08:30	0.08	7491	7491	Survey & Conn.	Survey & Conn.
21-Jul-10	08:30	09:25	0.92	7491	7587	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	09:25	09:30	0.08	7587	7587	Survey & Conn.	Survey & Conn.
21-Jul-10	09:30	10:05	0.58	7587	7682	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	10:05	10:10	0.08	7682	7682	Survey & Conn.	Survey & Conn.
21-Jul-10	10:10	10:35	0.42	7682	7709	Drilling	Drilling - (WOB:25;GPM :476;RPM:48)
21-Jul-10	10:35	10:40	0.08	7709	7709	MWD Survey	MWD Survey
21-Jul-10	10:40	11:30	0.83	7709	7709	Circulating	Circulating
21-Jul-10	11:30	15:30	4.00	7709	7709	Short Trip	Short Trip
21-Jul-10	15:30	16:30	1.00	7709	7709	Circulating	Circulating
21-Jul-10	16:30	20:30	4.00	7709	7709	POOH	POOH & L/D Tools

# Well Information

**BHA #** 1



SDI Job #: 20100717  
 COMPANY: BILL BARRETT CORP  
 LOCATION: Silt  
 RIG NAME: Patterson 307  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: MDP 2 Pad, GGU FED 41C-32-691

FIELD: Mamm Creek  
 Sec-Twn-Rng: T6S  
 PO #/ DISTRICT: 91W  
 Lead DD: Stan Simms  
 Co. Man: Cecil Crow  
 BHA TYPE: Steerable Assembly

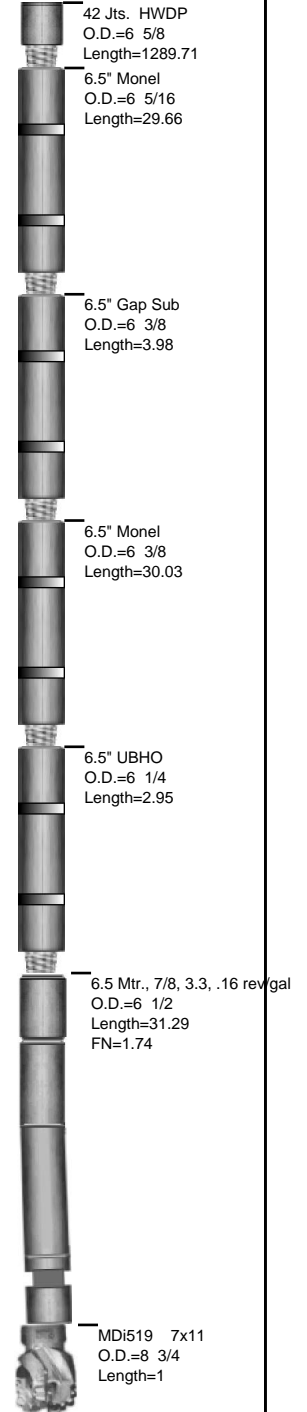
## BHA Summary Information

<b>TIME IN - OUT</b>		<b>Rotary Hours</b>	26.92	<b>Start Depth</b>	837.00	<b>RPM</b>	<b>Flow Rate</b>
<b>Start Time</b>	<b>End Time</b>	<b>Circ Hrs Tot/Only</b>	36.50 / 1.50	<b>End Depth</b>	6034.00	<b>Range</b>	
18-Jul-10 @ 12:50	20-Jul-10 @ 11:45	<b>Slide Hours</b>	8.08	<b>Percent Rotary:</b>	87.99	44 -50	397 -555
		<b>Below Rotary Hrs.</b>	46.92	<b>Percent Slide:</b>	12.01		
<b>Total Drilled:</b>		5197.00	<b>Avg. Total ROP:</b>	148.49	<b>Incl.</b>	<b>Azimuth</b>	
<b>Total Rotary Drilled:</b>		4573.00	<b>Avg. Rotary ROP:</b>	169.89	<b>IN</b>	<b>OUT</b>	<b>IN</b> <b>OUT</b>
<b>Total Drilled Sliding:</b>		624.00	<b>Avg. Slide ROP:</b>	77.20	.0	.0	.00   .00
<b>SPP</b>	1000 -3200	<b>Weights</b>	<b>SO</b> 0-0	<b>PU</b> 0-0	<b>RAB</b> 0-0	<b>Reason POOH</b>	

Bit Data				Motor Data				Mud Data				
SMITH		MDi519 7x11		6.5 Motor, 7/8 lobe, 3.3 Stg., .16 rev/gal				Type				
<b>Type Bit</b>		PDC		Model: 6.5		Pad OD		WT 9.4		GAS 0 Solids 7		
TFA		0.649		MFG. Hunting		6 5/8		Vis 55		SAND 0.2 T° 0		
<b>JETS</b>		11	11	11	11	11	Bend ° 1.83		Stator/Rotor 7/8		PV 24 PH 9.9 Chlor 100	
		11	11	0	0	0	Bit to Bend 5.98		Motor Diff 350		YP 21 WL 5.6 Oil % 0	
<b>Bit Coding</b>		IADC#		Rev/GAL 0.16		BHT°		0				
<b>IR</b>	<b>OR</b>	<b>DL</b>	<b>Loc</b>	<b>BS</b>	<b>G</b>	<b>ODL</b>	<b>Pumps</b>		<b>PUMP1</b>		<b>PUMP1</b>	
1	4	BT	S				NB Stab 0		NAME		Model	
<b>Bit Drop:</b>		633 PSI @ 555 GPM		Sensor Offsets		Type		.00		.00		
<b>Comments</b>		<b>Sensor</b>	47	<b>Sonic</b>	0	Liner		.00		.00		
		<b>Gamma</b>	0	<b>DNCS</b>	830	Stroke		.00		.00		
		<b>Restiv</b>	0	<b>GYRO</b>	0	Efficiency		.00		.00		

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	MDi519 7x11	JY2657		8 3/4	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8, 3.3, .16 rev/gal	6008		6 1/2	31.29	32.29	4 1/2 XHB
3	6.5" UBHO	UB-65-S	3 3/4	6 1/4	2.95	35.24	4 1/2 XHB
4	6.5" Monel	AWS-650300085	3 1/4	6 3/8	30.03	65.27	4 1/2 XHB
5	6.5" Gap Sub	G-65-004-SW	3 1/4	6 3/8	3.98	69.25	4 1/2 XHB
6	6.5" Monel	AWS-650300056	3 1/4	6 5/16	29.66	98.91	4 1/2 XHB
7	42 Jts. HWDP	Rig	2 7/8	6 5/8	1,289.71	1388.62	4 1/2 XHB



# Well Information

**BHA # 2**



SDI Job #: 20100717  
 COMPANY: BILL BARRETT CORP  
 LOCATION: Silt  
 RIG NAME: Patterson 307  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: MDP 2 Pad, GGU FED 41C-32-691

FIELD: Mamm Creek  
 Sec-Twn-Rng: T6S  
 PO #/ DISTRICT: 91W  
 Lead DD: Stan Simms  
 Co. Man: Cecil Crow  
 BHA TYPE: Steerable Assembly

## BHA Summary Information

<b>TIME IN - OUT</b>		<b>Rotary Hours</b>	13.75	<b>Start Depth</b>	6034.00	<b>RPM</b>	<b>Flow Rate</b>
<b>Start Time</b>	<b>End Time</b>	<b>Circ Hrs Tot/Only</b>	19.75 / 3.17	<b>End Depth</b>	7709.00	<b>Range</b>	
20-Jul-10 @ 11:45	21-Jul-10 @ 20:30	<b>Slide Hours</b>	2.83	<b>Percent Rotary:</b>	93.13	48 -48	476 -555
		<b>Below Rotary Hrs.</b>	32.75	<b>Percent Slide:</b>	6.87		
<b>Total Drilled:</b>		1675.00	<b>Avg. Total ROP:</b>	101.01	<b>Incl.</b>	<b>Azimuth</b>	
<b>Total Rotary Drilled:</b>		1560.00	<b>Avg. Rotary ROP:</b>	113.45	<b>IN</b>	<b>OUT</b>	<b>IN</b> <b>OUT</b>
<b>Total Drilled Sliding:</b>		115.00	<b>Avg. Slide ROP:</b>	40.59	.0	.0	.00   .00
<b>SPP</b>	2600 -3500	<b>Weights</b>	<b>SO</b>	0-0	<b>PU</b>	0-0	<b>RAB</b>
							<b>Reason POOH</b>

Bit Data				Motor Data				Mud Data					
SMITH		Mi516 2x18 2x16		6.5 Motor, 7/8 lobe, 3.3 Stg., .16 rev/gal				Type					
<b>Type Bit</b>		PDC		Model: 650		Pad OD		WT 9.4		GAS 0		Solids 7	
TFA		1.086		MFG. Hunting		6 5/8		Vis 55		SAND 0.2		T ° 0	
<b>JETS</b>		18	18	16	16	Bend ° 1.83		Stator/Rotor 7/8		PV 24		PH 9.9	
		0	0	0	0	Bit to Bend 5.98		Motor Diff 350		Chlor 100		YP 21	
<b>Bit Coding</b>		IADC#		Rev/GAL 0.16				Pumps		PUMP1		PUMP1	
IR	OR	DL	Loc	BS	G	ODL	NB Stab	NAME					
0	0						Rotor Jet	Model					
<b>Bit Drop:</b>		226 PSI @ 555 GPM		Sensor Offsets				Type					
<b>Comments</b>		Sensor	47	Sonic	0	Liner							
		Gamma	0	DNCS	6034	Stroke							
		Restiv	0	GYRO	0	Efficiency							

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Mi516 2x18 2x16	JD6383		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8, 3.3, .16 rev/gal	6008		6 1/2	31.29	32.29	4 1/2 XHB
3	6.5" UBHO	UB-65-S	3 3/4	6 1/4	2.95	35.24	4 1/2 XHB
4	6.5" Monel	AWS-650300085	3 1/4	6 3/8	30.03	65.27	4 1/2 XHB
5	6.5" Gap Sub	G-65-004-SW	3 1/4	6 3/8	3.98	69.25	4 1/2 XHB
6	6.5" Monel	AWS-650300056	3 1/4	6 5/16	29.66	98.91	4 1/2 XHB
7	42 Jts. HWDP	Rig	2 7/8	6 5/8	1,289.71	1388.62	4 1/2 XHB

