



**Bill Barrett Corporation**

Well Name and Number:

**Specialty 41D-28-692**

Patterson 301  
Garfield County, Colorado

Directional Services Provided By:

**Sharewell Energy Services, LP**





July 29, 2010

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

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

Well Reference:      **Specialty 41D-28-692**  
                                 **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

Specialty 4 Pad

Specialty 41D-28-692

Wellbore #1

Survey: Surveys

## **Standard Survey Report**

28 July, 2010

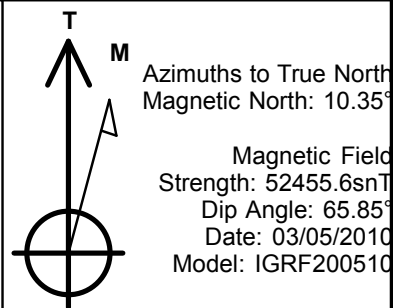
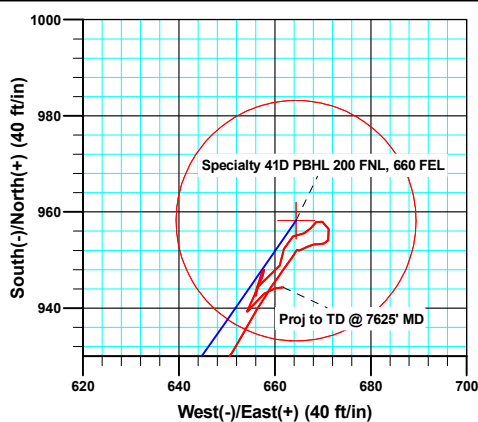
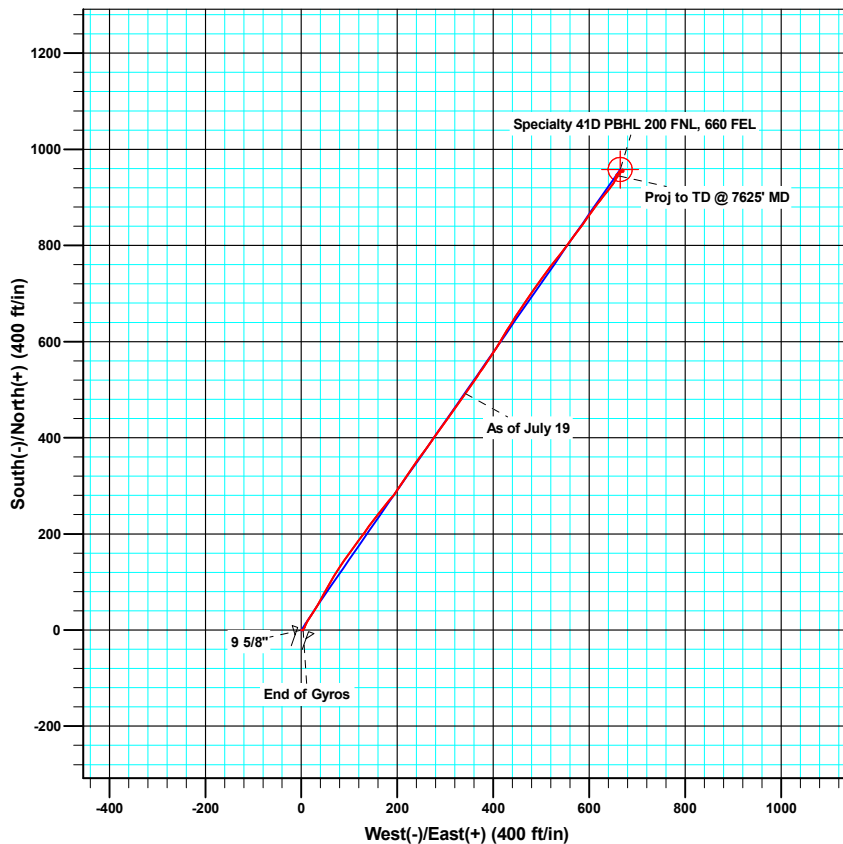
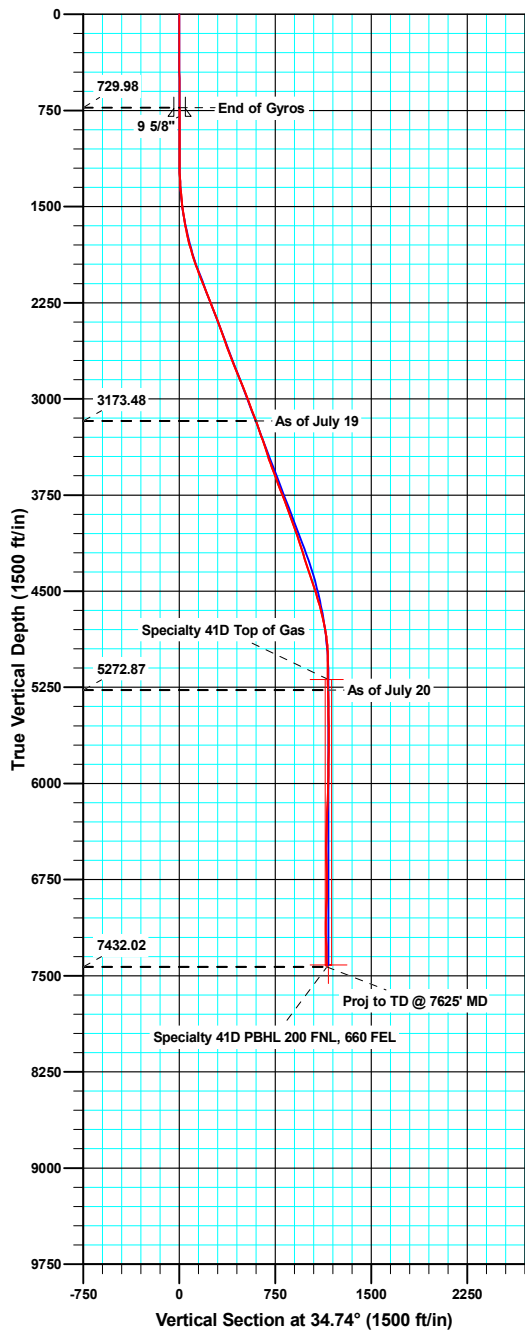




# WELL DETAILS: Specialty 41D-28-692

Ground Level: 5775.00

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1615042.65 2388599.06 39.502050 -107.666940



## ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
3173.48	3275.00	19.90	35.00	491.74	342.07	599.01	600.44	As of July 19
5272.87	5465.00	1.80	63.20	952.79	666.85	1162.96	1166.61	As of July 20
7432.02	7625.00	1.50	81.50	944.34	661.76	1153.11	1228.40	Proj to TD @ 7625' MD

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Specialty 41D-28-692
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 5797.00ft
<b>Site:</b>	Specialty 4 Pad	<b>MD Reference:</b>	KB @ 5797.00ft
<b>Well:</b>	Specialty 41D-28-692	<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		Specialty 4 Pad			
Site Position:		Northing:	1,615,043.39 usft	Latitude:	39.502050
From:	Lat/Long	Easting:	2,388,568.03 usft	Longitude:	-107.667050
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 ft	Grid Convergence:	-1.37 °

Well		Specialty 41D-28-692				
Well Position	+N/-S	0.00 ft	Northing:	1,615,042.64 usft	Latitude:	39.502050
	+E/-W	0.00 ft	Easting:	2,388,599.06 usft	Longitude:	-107.666940
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,775.00 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	03/05/10	10.35	65.85	52,456

<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	34.74	

<b>Survey Program</b>	<b>Date</b>	07/28/10			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
50.00	730.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
896.00	7,625.00	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>	
730.00	0.31	322.08	729.98	0.90	3.95	2.99	0.00	0.00	0.00	
797.00	0.06	19.66	796.98	1.08	3.85	3.08	0.42	-0.38	85.94	
<b>9 5/8"</b>										
896.00	0.40	124.50	895.98	0.93	4.15	3.13	0.42	0.35	105.90	
987.00	0.30	231.60	986.98	0.60	4.23	2.90	0.62	-0.11	117.69	
1,083.00	0.40	192.50	1,082.98	0.12	3.96	2.35	0.26	0.10	-40.73	
1,178.00	0.50	1.80	1,177.98	0.21	3.90	2.39	0.94	0.11	178.21	
1,274.00	2.60	26.10	1,273.94	2.58	4.87	4.90	2.24	2.19	25.31	
1,370.00	4.70	27.50	1,369.74	8.03	7.64	10.95	2.19	2.19	1.46	
1,465.00	6.90	27.60	1,464.25	16.54	12.08	20.48	2.32	2.32	0.11	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Specialty 41D-28-692
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 5797.00ft
<b>Site:</b>	Specialty 4 Pad	<b>MD Reference:</b>	KB @ 5797.00ft
<b>Well:</b>	Specialty 41D-28-692	<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)
1,560.00	8.40	32.40	1,558.40	27.46	18.45	33.07	1.71	1.58	5.05
1,656.00	10.50	33.10	1,653.09	40.71	26.98	48.83	2.19	2.19	0.73
1,751.00	12.80	28.70	1,746.13	57.19	36.76	67.95	2.59	2.42	-4.63
1,846.00	16.20	29.20	1,838.09	78.00	48.29	91.61	3.58	3.58	0.53
1,942.00	18.80	29.70	1,929.64	103.13	62.49	120.35	2.71	2.71	0.52
2,037.00	20.80	34.00	2,019.02	130.41	79.50	152.47	2.60	2.11	4.53
2,132.00	22.10	35.90	2,107.44	158.87	99.42	187.21	1.55	1.37	2.00
2,227.00	22.10	35.30	2,195.46	187.93	120.22	222.94	0.24	0.00	-0.63
2,322.00	21.00	37.10	2,283.82	216.10	140.82	257.82	1.35	-1.16	1.89
2,417.00	20.70	38.20	2,372.60	242.87	161.47	291.59	0.52	-0.32	1.16
2,513.00	20.00	39.80	2,462.61	268.81	182.47	324.88	0.93	-0.73	1.67
2,608.00	19.70	34.30	2,551.97	294.53	201.90	357.08	1.99	-0.32	-5.79
2,703.00	20.90	34.20	2,641.07	321.77	220.44	390.03	1.26	1.26	-0.11
2,799.00	22.40	36.00	2,730.30	350.73	240.82	425.45	1.71	1.56	1.88
2,894.00	21.80	36.20	2,818.32	379.61	261.88	461.18	0.64	-0.63	0.21
2,989.00	22.10	35.10	2,906.43	408.47	282.57	496.68	0.54	0.32	-1.16
3,085.00	21.20	35.40	2,995.66	437.39	303.01	532.10	0.94	-0.94	0.31
3,180.00	20.70	36.20	3,084.38	464.94	322.88	566.06	0.61	-0.53	0.84
3,275.00	19.90	35.00	3,173.48	491.74	342.07	599.01	0.95	-0.84	-1.26
3,370.00	19.80	33.80	3,262.83	518.35	360.29	631.27	0.44	-0.11	-1.26
3,466.00	17.60	34.80	3,353.76	543.78	377.62	662.04	2.32	-2.29	1.04
3,561.00	18.70	33.10	3,444.03	568.34	394.14	691.63	1.28	1.16	-1.79
3,656.00	21.00	31.60	3,533.38	595.60	411.38	723.85	2.48	2.42	-1.58
3,751.00	20.10	31.30	3,622.33	624.04	428.78	757.15	0.95	-0.95	-0.32
3,846.00	21.50	32.80	3,711.14	652.63	446.69	790.84	1.58	1.47	1.58
3,942.00	20.00	34.00	3,800.91	681.02	465.40	824.84	1.62	-1.56	1.25
4,037.00	20.40	35.70	3,890.07	707.94	484.15	857.64	0.75	0.42	1.79
4,132.00	19.50	35.30	3,979.37	734.33	502.97	890.05	0.96	-0.95	-0.42
4,227.00	19.00	38.40	4,069.06	759.39	521.74	921.34	1.20	-0.53	3.26
4,323.00	17.60	38.30	4,160.20	783.03	540.44	951.42	1.46	-1.46	-0.10
4,418.00	19.30	36.20	4,250.32	806.97	558.62	981.45	1.92	1.79	-2.21
4,513.00	17.40	37.40	4,340.48	830.92	576.52	1,011.34	2.04	-2.00	1.26
4,608.00	18.30	35.60	4,430.91	854.33	593.83	1,040.44	1.11	0.95	-1.89
4,704.00	17.90	35.70	4,522.16	878.57	611.21	1,070.26	0.42	-0.42	0.10
4,799.00	15.70	38.70	4,613.10	900.46	627.77	1,097.69	2.49	-2.32	3.16
4,894.00	12.80	38.90	4,705.17	918.69	642.42	1,121.01	3.05	-3.05	0.21
4,989.00	10.50	29.30	4,798.21	934.43	653.27	1,140.13	3.16	-2.42	-10.11
5,084.00	6.50	35.50	4,892.15	946.36	660.63	1,154.13	4.31	-4.21	6.53
5,179.00	1.20	31.70	4,986.90	951.59	664.28	1,160.50	5.58	-5.58	-4.00
5,274.00	0.40	202.00	5,081.90	952.13	664.68	1,161.17	1.68	-0.84	179.26
5,369.00	0.60	73.20	5,176.90	951.96	665.03	1,161.24	0.95	0.21	-135.58
5,465.00	1.80	63.20	5,272.87	952.79	666.85	1,162.96	1.26	1.25	-10.42
5,560.00	1.30	99.50	5,367.84	953.28	669.25	1,164.73	1.13	-0.53	38.21

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Specialty 41D-28-692
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 5797.00ft
<b>Site:</b>	Specialty 4 Pad	<b>MD Reference:</b>	KB @ 5797.00ft
<b>Well:</b>	Specialty 41D-28-692	<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)	
5,655.00	1.60	38.70	5,462.81	954.14	671.14	1,166.51	1.57	0.32	-64.00	
5,750.00	1.70	330.60	5,557.78	956.40	671.28	1,168.45	1.95	0.11	-71.68	
5,846.00	0.90	296.00	5,653.76	957.97	669.90	1,168.96	1.13	-0.83	-36.04	
5,941.00	0.90	235.80	5,748.75	957.88	668.61	1,168.15	0.95	0.00	-63.37	
6,036.00	1.20	210.20	5,843.73	956.60	667.50	1,166.46	0.58	0.32	-26.95	
6,132.00	1.10	261.20	5,939.72	955.59	666.08	1,164.82	1.04	-0.10	53.13	
6,227.00	1.80	248.50	6,034.69	954.91	663.79	1,162.95	0.81	0.74	-13.37	
6,322.00	2.50	194.30	6,129.63	952.35	661.89	1,159.77	2.16	0.74	-57.05	
6,418.00	1.80	193.70	6,225.56	948.86	661.02	1,156.40	0.73	-0.73	-0.63	
6,513.00	2.70	247.00	6,320.49	946.53	658.60	1,153.12	2.29	0.95	56.11	
6,608.00	1.50	184.40	6,415.44	944.42	656.45	1,150.15	2.54	-1.26	-65.89	
6,703.00	0.80	211.80	6,510.42	942.62	656.00	1,148.42	0.92	-0.74	28.84	
6,799.00	1.70	16.10	6,606.41	943.41	656.04	1,149.10	2.58	0.94	171.15	
6,894.00	2.00	17.50	6,701.36	946.35	656.93	1,152.02	0.32	0.32	1.47	
6,989.00	0.40	81.30	6,796.34	947.98	657.76	1,153.83	1.96	-1.68	67.16	
7,084.00	1.90	203.70	6,891.32	946.59	657.46	1,152.51	2.25	1.58	128.84	
7,180.00	2.80	203.30	6,987.24	942.98	655.89	1,148.65	0.94	0.94	-0.42	
7,275.00	1.50	207.00	7,082.17	939.74	654.41	1,145.14	1.38	-1.37	3.89	
7,370.00	2.60	38.70	7,177.15	940.31	655.19	1,146.06	4.29	1.16	-177.16	
7,466.00	1.80	50.90	7,273.08	942.96	657.72	1,149.68	0.96	-0.83	12.71	
7,561.00	1.50	81.50	7,368.04	944.09	660.11	1,151.97	0.97	-0.32	32.21	
7,625.00	1.50	81.50	7,432.02	944.34	661.76	1,153.11	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (ft)	Hole Diameter (ft)
797.00	796.98	9 5/8"		0.80	1.02

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
3,275.00	3,173.48	491.74	342.07	As of July 19	
5,465.00	5,272.87	952.79	666.85	As of July 20	
7,625.00	7,432.02	944.34	661.76	Proj to TD @ 7625' MD	

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



<b>SDI Job #:</b>	20100715	<b>Report Time:</b>	2400	1 of 4
<b>COMPANY:</b>	Bill Barrett Corp.	<b>API JOB #</b>		
<b>LOCATION:</b>	Rifle	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 301	<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>	Specialty41D-28-692			

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

DRILLING SUMMARY				Drilling Parameters							
Start Depth	818.00	Rotary Hours	4.37	WOB	20	Pick UP	98	Slack Off	98	SPM	
End Depth	2272.00	Circulating Hours	0.00	RAB	98	SPP	2350	FlowRate	0 - 586	150	
Total Drilled:	1454.00	Avg. Total ROP:	211.23	Mud Data							
Total Rotary Drilled:	1151.00	Avg. Rotary ROP:	263.59	Type				PV	0	SOLID	0
Total Drilled Sliding:	303.00	Avg. Slide ROP:	120.40	Weight	0	GAS	0	YP	0	BHT°	0
Slide Hours:	2.52	Percent Rotary:	79.16	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	12.00	Percent Slide:	20.84	Chlorides	0	WL	0			Oil %	0
PERSONNEL				Casing				BHA			
Lead Directional :	Michael Crawford			Size	Lb/ft	Set Depth		BHA # 1:8 3/4 5x14's, Hunting,6.75,.15rpg, UBHO, NMDC, GAP SUB, NMDC, HWDP,			
Second Directional :	Joe Jones			9 5/8	36	818					
MWD Operator1	James Hope / Jason Banks			Signature:							
MWD Operator2											
Directional Company:	Sharewell										
Geologist:											
Company Man:	Doug Miller										
Incl. In:	0	Azm. In:	0	Incl. Out:	22.1	Azm. Out:	35.3				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jul-10	12:00	12:45	0.75	818	818	Change BHA	P/U Dir. Tools
18-Jul-10	12:45	16:12	3.45	818	818	TIH	TIH
18-Jul-10	16:12	16:30	0.30	818	818	Drilling Cement	Drilling cement
18-Jul-10	16:30	16:45	0.25	818	941	Drilling	Drilling: WOB15, GPM586, RPM 45
18-Jul-10	16:45	16:49	0.07	941	941	Survey & Conn.	Survey & Conn.
18-Jul-10	16:49	17:15	0.43	941	1032	Drilling	Drilling - (WOB:15;GPM :0;RPM:45)
18-Jul-10	17:15	17:25	0.17	1032	1032	Survey & Conn.	Survey & Conn.
18-Jul-10	17:25	17:47	0.37	1032	1128	Drilling	Drilling - (WOB:15;GPM :0;RPM:45)
18-Jul-10	17:47	17:51	0.07	1128	1128	Survey & Conn.	Survey & Conn.
18-Jul-10	17:51	18:00	0.15	1128	1161	Drilling	Drilling - (WOB:15;GPM :0;RPM:45)
18-Jul-10	18:00	18:06	0.10	1161	1171	Sliding	Sliding - (WOB:15;GPM 586 :TFO:30)
18-Jul-10	18:06	18:20	0.23	1171	1193	Drilling	Drilling - (WOB:15;GPM :0;RPM:45)
18-Jul-10	18:20	18:30	0.17	1193	1218	Sliding	Sliding - (WOB:15;GPM :586;TFO:30)
18-Jul-10	18:30	18:35	0.08	1218	1223	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	18:35	18:39	0.07	1223	1223	Survey & Conn.	Survey & Conn.
18-Jul-10	18:39	18:56	0.28	1223	1319	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	18:56	18:59	0.05	1319	1319	Survey & Conn.	Survey & Conn.



Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jul-10	18:59	19:13	0.23	1319	1344	Sliding	Sliding - (WOB:15;GPM :586;TFO:30)
18-Jul-10	19:13	19:29	0.27	1344	1415	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	19:29	19:32	0.05	1415	1415	Survey & Conn.	Survey & Conn.
18-Jul-10	19:32	19:43	0.18	1415	1440	Sliding	Sliding - (WOB:15;GPM :586;TFO:30)
18-Jul-10	19:43	19:57	0.23	1440	1510	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	19:57	20:00	0.05	1510	1510	Survey & Conn.	Survey & Conn.
18-Jul-10	20:00	20:13	0.22	1510	1535	Sliding	Sliding - (WOB:15;GPM :586;TFO:10)
18-Jul-10	20:13	20:28	0.25	1535	1605	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	20:28	20:31	0.05	1605	1605	Survey & Conn.	Survey & Conn.
18-Jul-10	20:31	20:48	0.28	1605	1633	Sliding	Sliding - (WOB:15;GPM :586;TFO:30)
18-Jul-10	20:48	20:59	0.18	1633	1701	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	20:59	21:02	0.05	1701	1701	Survey & Conn.	Survey & Conn.
18-Jul-10	21:02	21:24	0.37	1701	1736	Sliding	Sliding - (WOB:15;GPM :586;TFO:0)
18-Jul-10	21:24	21:37	0.22	1736	1796	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	21:37	21:40	0.05	1796	1796	Survey & Conn.	Survey & Conn.
18-Jul-10	21:40	22:00	0.33	1796	1836	Sliding	Sliding - (WOB:15;GPM :586;TFO:-10)
18-Jul-10	22:00	22:11	0.18	1836	1891	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	22:11	22:15	0.07	1891	1891	Survey & Conn.	Survey & Conn.
18-Jul-10	22:15	22:30	0.25	1891	1926	Sliding	Sliding - (WOB:15;GPM :586;TFO:0)
18-Jul-10	22:30	22:41	0.18	1926	1987	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	22:41	22:45	0.07	1987	1987	Survey & Conn.	Survey & Conn.
18-Jul-10	22:45	23:02	0.28	1987	2027	Sliding	Sliding - (WOB:15;GPM :586;TFO:10)
18-Jul-10	23:02	23:13	0.18	2027	2082	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	23:13	23:17	0.07	2082	2082	Survey & Conn.	Survey & Conn.
18-Jul-10	23:17	23:23	0.10	2082	2097	Sliding	Sliding - (WOB:15;GPM :586;TFO:10)
18-Jul-10	23:23	23:40	0.28	2097	2177	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
18-Jul-10	23:40	23:43	0.05	2177	2177	Survey & Conn.	Survey & Conn.
18-Jul-10	23:43	24:00	0.28	2177	2272	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)



<b>SDI Job #:</b>	20100715	<b>Report Time:</b>	2400	2 of 4
<b>COMPANY:</b>	Bill Barrett Corp.	<b>API JOB #</b>		
<b>LOCATION:</b>	Rifle	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 301	<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>	Specialty41D-28-692			

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

DRILLING SUMMARY				Drilling Parameters							
Start Depth	2272.00	Rotary Hours	15.07	WOB	25	Pick UP	175	Slack Off	115	SPM	
End Depth	5112.00	Circulating Hours	0.50	RAB	135	SPP	2750	FlowRate	586 - 586	150	
Total Drilled:	2840.00	Avg. Total ROP:	133.02	Mud Data							
Total Rotary Drilled:	2414.00	Avg. Rotary ROP:	160.22	Type				PV	0	SOLID	0
Total Drilled Sliding:	426.00	Avg. Slide ROP:	67.80	Weight	0	GAS	0	YP	0	BHT°	0
Slide Hours:	6.28	Percent Rotary:	85.00	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	15.00	Chlorides	0	WL	0			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Michael Crawford			Size	Lb/ft	Set Depth		BHA # 1:8 3/4 5x14's, Hunting,6.75,.15rpg, UBHO, NMDC, GAP SUB, NMDC, HWDP,			
Second Directional :	Joe Jones			9 5/8	36	818					
MWD Operator1	James Hope / Jason Banks										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:				Signature:							
Company Man:	Doug Miller										
Incl. In:	22.1	Azm. In:	35.3	Incl. Out:	10.5	Azm. Out:	29.3				

#### GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	00:00	00:04	0.07	2272	2272	Survey & Conn.	Survey & Conn.
19-Jul-10	00:04	00:09	0.08	2272	2282	Sliding	Sliding - (WOB:15;GPM :586;TFO:40)
19-Jul-10	00:09	00:27	0.30	2282	2367	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	00:27	00:31	0.07	2367	2367	Survey & Conn.	Survey & Conn.
19-Jul-10	00:31	00:52	0.35	2367	2462	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	00:52	00:55	0.05	2462	2462	Survey & Conn.	Survey & Conn.
19-Jul-10	00:55	01:18	0.38	2462	2558	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	01:18	01:22	0.07	2558	2558	Survey & Conn.	Survey & Conn.
19-Jul-10	01:22	01:30	0.13	2558	2573	Sliding	Sliding - (WOB:15;GPM :586;TFO:100)
19-Jul-10	01:30	01:49	0.32	2573	2653	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	01:49	01:53	0.07	2653	2653	Survey & Conn.	Survey & Conn.
19-Jul-10	01:53	02:03	0.17	2653	2671	Sliding	Sliding - (WOB:15;GPM :586;TFO:-50)
19-Jul-10	02:03	02:20	0.28	2671	2748	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	02:20	02:24	0.07	2748	2748	Survey & Conn.	Survey & Conn.
19-Jul-10	02:24	02:36	0.20	2748	2766	Sliding	Sliding - (WOB:15;GPM :586;TFO:10)
19-Jul-10	02:36	02:53	0.28	2766	2844	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	02:53	02:57	0.07	2844	2844	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	02:57	03:23	0.43	2844	2939	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	03:23	03:27	0.07	2939	2939	Survey & Conn.	Survey & Conn.
19-Jul-10	03:27	04:00	0.55	2939	3034	Drilling	Drilling - (WOB:15;GPM :586;RPM:45)
19-Jul-10	04:00	04:05	0.08	3034	3034	Survey & Conn.	Survey & Conn.
19-Jul-10	04:05	04:30	0.42	3034	3130	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	04:30	04:35	0.08	3130	3130	Survey & Conn.	Survey & Conn.
19-Jul-10	04:35	05:09	0.57	3130	3225	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	05:09	05:14	0.08	3225	3225	Survey & Conn.	Survey & Conn.
19-Jul-10	05:14	05:45	0.52	3225	3320	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	05:45	05:48	0.05	3320	3320	Survey & Conn.	Survey & Conn.
19-Jul-10	05:48	06:00	0.20	3320	3335	Sliding	Sliding - (WOB:20;GPM :586;TFO:20)
19-Jul-10	06:00	06:20	0.33	3335	3415	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	06:20	06:24	0.07	3415	3415	Survey & Conn.	Survey & Conn.
19-Jul-10	06:24	07:00	0.60	3415	3511	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	07:00	07:05	0.08	3511	3511	Survey & Conn.	Survey & Conn.
19-Jul-10	07:05	07:25	0.33	3511	3536	Sliding	Sliding - (WOB:20;GPM :586;TFO:20)
19-Jul-10	07:25	07:50	0.42	3536	3606	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	07:50	07:55	0.08	3606	3606	Survey & Conn.	Survey & Conn.
19-Jul-10	07:55	08:30	0.58	3606	3656	Sliding	Sliding - (WOB:20;GPM :586;TFO:-20)
19-Jul-10	08:30	08:47	0.28	3656	3701	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	08:47	08:51	0.07	3701	3701	Survey & Conn.	Survey & Conn.
19-Jul-10	08:51	09:35	0.73	3701	3796	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	09:35	09:39	0.07	3796	3796	Survey & Conn.	Survey & Conn.
19-Jul-10	09:39	10:15	0.60	3796	3816	Sliding	Sliding - (WOB:20;GPM :586;TFO:0)
19-Jul-10	10:15	10:49	0.57	3816	3891	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	10:49	10:53	0.07	3891	3891	Survey & Conn.	Survey & Conn.
19-Jul-10	10:53	11:45	0.87	3891	3987	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	11:45	11:49	0.07	3987	3987	Survey & Conn.	Survey & Conn.
19-Jul-10	11:49	12:19	0.50	3987	4007	Sliding	Sliding - (WOB:20;GPM :586;TFO:20)
19-Jul-10	12:19	13:07	0.80	4007	4082	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	13:07	13:12	0.08	4082	4082	Survey & Conn.	Survey & Conn.
19-Jul-10	13:12	14:01	0.82	4082	4177	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	14:01	14:05	0.07	4177	4177	Survey & Conn.	Survey & Conn.
19-Jul-10	14:05	14:35	0.50	4177	4197	Sliding	Sliding - (WOB:20;GPM :586;TFO:20)
19-Jul-10	14:35	15:15	0.67	4197	4272	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	15:15	15:19	0.07	4272	4272	Survey & Conn.	Survey & Conn.
19-Jul-10	15:19	16:05	0.77	4272	4368	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	16:05	16:10	0.08	4368	4368	Survey & Conn.	Survey & Conn.
19-Jul-10	16:10	16:40	0.50	4368	4368	Rig Service-Inhole	Rig Service-Inhole
19-Jul-10	16:40	17:21	0.68	4368	4408	Sliding	Sliding - (WOB:20;GPM :586;TFO:0)
19-Jul-10	17:21	17:50	0.48	4408	4463	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	17:50	17:55	0.08	4463	4463	Survey & Conn.	Survey & Conn.
19-Jul-10	17:55	18:45	0.83	4463	4558	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	18:45	18:50	0.08	4558	4558	Survey & Conn.	Survey & Conn.
19-Jul-10	18:50	19:30	0.67	4558	4598	Sliding	Sliding - (WOB:20;GPM :586;TFO:-20)
19-Jul-10	19:30	19:48	0.30	4598	4653	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	19:48	19:51	0.05	4653	4653	Survey & Conn.	Survey & Conn.
19-Jul-10	19:51	20:15	0.40	4653	4688	Sliding	Sliding - (WOB:20;GPM :586;TFO:-10)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jul-10	20:15	20:37	0.37	4688	4749	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	20:37	20:42	0.08	4749	4749	Survey & Conn.	Survey & Conn.
19-Jul-10	20:42	21:20	0.63	4749	4844	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	21:20	21:25	0.08	4844	4844	Survey & Conn.	Survey & Conn.
19-Jul-10	21:25	21:43	0.30	4844	4869	Sliding	Sliding - (WOB:20;GPM :586;TFO:-10)
19-Jul-10	21:43	22:12	0.48	4869	4939	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	22:12	22:16	0.07	4939	4939	Survey & Conn.	Survey & Conn.
19-Jul-10	22:16	22:45	0.48	4939	4979	Sliding	Sliding - (WOB:20;GPM :586;TFO:-120)
19-Jul-10	22:45	23:10	0.42	4979	5034	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
19-Jul-10	23:10	23:15	0.08	5034	5034	Survey & Conn.	Survey & Conn.
19-Jul-10	23:15	23:42	0.45	5034	5069	Sliding	Sliding - (WOB:25;GPM :586;TFO:-120)
19-Jul-10	23:42	24:00	0.30	5069	5112	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)



Bill Barrett Corporation

<b>SDI Job #:</b>	20100715	<b>Report Time:</b>	2400	3 of 4
<b>COMPANY:</b>	Bill Barrett Corp.	<b>API JOB #</b>		
<b>LOCATION:</b>	Rifle	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 301	<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>	Specialty41D-28-692			

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

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5112.00	Rotary Hours	7.52	WOB	25	Pick UP	175	Slack Off	115	SPM	
End Depth	6375.00	Circulating Hours	0.60	RAB	135	SPP	2250	FlowRate	544 - 586	135	
Total Drilled:	1263.00	Avg. Total ROP:	118.78	Mud Data							
Total Rotary Drilled:	1072.00	Avg. Rotary ROP:	142.62	Type				PV	0	SOLID	0
Total Drilled Sliding:	191.00	Avg. Slide ROP:	61.28	Weight	0	GAS	0	YP	0	BHT°	0
Slide Hours:	3.12	Percent Rotary:	84.88	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	15.12	Chlorides	0	WL	0			Oil %	0
PERSONNEL				Casing				BHA			
Lead Directional :	Michael Crawford			Size	Lb/ft	Set Depth		BHA # 2:7 7/8-FX55M-5x16, Hunting, 6.5,.16rpg, UBHO, NMDC, GAP SUB, NMDC, HWDP,			
Second Directional :	Joe Jones			9 5/8	36	818					
MWD Operator1	James Hope / Jason Banks										
MWD Operator2											
Directional Company:	Sharewell										
Geologist:				Signature:							
Company Man:	Doug Miller										
Incl. In:	10.5	Azm. In:	29.3	Incl. Out:	2.5	Azm. Out:	194.3				

## GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jul-10	00:00	00:05	0.08	5112	5129	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	00:05	00:10	0.08	5129	5129	Survey & Conn.	Survey & Conn.
20-Jul-10	00:10	00:39	0.48	5129	5169	Sliding	Sliding - (WOB:25;GPM :586;TFO:-120)
20-Jul-10	00:39	01:03	0.40	5169	5224	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	01:03	01:07	0.07	5224	5224	Survey & Conn.	Survey & Conn.
20-Jul-10	01:07	01:52	0.75	5224	5319	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	01:52	01:57	0.08	5319	5319	Survey & Conn.	Survey & Conn.
20-Jul-10	01:57	02:14	0.28	5319	5339	Sliding	Sliding - (WOB:25;GPM :586;TFO:180)
20-Jul-10	02:14	02:45	0.52	5339	5414	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	02:45	02:50	0.08	5414	5414	Survey & Conn.	Survey & Conn.
20-Jul-10	02:50	03:08	0.30	5414	5434	Sliding	Sliding - (WOB:25;GPM :586;TFO:180)
20-Jul-10	03:08	03:46	0.63	5434	5510	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	03:46	03:48	0.03	5510	5510	Survey & Conn.	Survey & Conn.
20-Jul-10	03:48	04:24	0.60	5510	5510	Circulating	Circulating
20-Jul-10	04:24	07:45	3.35	5510	5510	POOH	POOH
20-Jul-10	07:45	09:10	1.42	5510	5510	Change BHA	Change BHA
20-Jul-10	09:10	16:04	6.90	5510	5510	TIH	TIH

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jul-10	16:04	16:50	0.77	5510	5605	Drilling	Drilling - (WOB:25;GPM :586;RPM:45)
20-Jul-10	16:50	16:55	0.08	5605	5605	Survey & Conn.	Survey & Conn.
20-Jul-10	16:55	17:22	0.45	5605	5625	Sliding	Sliding - (WOB:25;GPM :586;TFO:10)
20-Jul-10	17:22	17:55	0.55	5625	5700	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	17:55	18:00	0.08	5700	5700	Survey & Conn.	Survey & Conn.
20-Jul-10	18:00	18:25	0.42	5700	5725	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
20-Jul-10	18:25	18:53	0.47	5725	5795	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	18:53	18:58	0.08	5795	5795	Survey & Conn.	Survey & Conn.
20-Jul-10	18:58	19:35	0.62	5795	5891	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	19:35	19:40	0.08	5891	5891	Survey & Conn.	Survey & Conn.
20-Jul-10	19:40	20:20	0.67	5891	5986	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	20:20	20:25	0.08	5986	5986	Survey & Conn.	Survey & Conn.
20-Jul-10	20:25	21:07	0.70	5986	6081	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	21:07	21:12	0.08	6081	6081	Survey & Conn.	Survey & Conn.
20-Jul-10	21:12	21:30	0.30	6081	6101	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
20-Jul-10	21:30	22:00	0.50	6101	6177	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	22:00	22:05	0.08	6177	6177	Survey & Conn.	Survey & Conn.
20-Jul-10	22:05	22:25	0.33	6177	6195	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
20-Jul-10	22:25	22:52	0.45	6195	6272	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	22:52	22:57	0.08	6272	6272	Survey & Conn.	Survey & Conn.
20-Jul-10	22:57	23:15	0.30	6272	6292	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
20-Jul-10	23:15	23:40	0.42	6292	6367	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
20-Jul-10	23:40	23:45	0.08	6367	6367	Survey & Conn.	Survey & Conn.
20-Jul-10	23:45	24:00	0.25	6367	6375	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)





Bill Barrett Corporation

<b>SDI Job #:</b>	20100715	<b>Report Time:</b>	2400	4 of 4
<b>COMPANY:</b>	Bill Barrett Corp.	<b>API JOB #</b>		
<b>LOCATION:</b>	Rifle	<b>WORK ORDER#</b>		
<b>RIG NAME:</b>	Patterson 301	<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>	Specialty41D-28-692			

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

DRILLING SUMMARY					Drilling Parameters							
Start Depth	6375.00	Rotary Hours	7.15	WOB	25	Pick UP	175	Slack Off	115	SPM		
End Depth	7625.00	Circulating Hours	0.00	RAB	135	SPP	2250	FlowRate	544 - 586	135		
Total Drilled:	1250.00	Avg. Total ROP:	85.13	Mud Data								
Total Rotary Drilled:	899.00	Avg. Rotary ROP:	125.73	Type				PV	0	SOLID	0	
Total Drilled Sliding:	351.00	Avg. Slide ROP:	46.59	Weight	0	GAS	0	YP	0	BHT°	0	
Slide Hours:	7.53	Percent Rotary:	71.92	Viscosity	0	SAND	0	PH	0	Flow T°	0	
Below Rotary Hrs.	16.12	Percent Slide:	28.08	Chlorides	0	WL	0			Oil %	0	
PERSONNEL				Casing					BHA			
Lead Directional :	Michael Crawford			Size	Lb/ft	Set Depth		BHA # 2:7 7/8-FX55M-5x16, Hunting, 6.5,.16rpg, UBHO, NMDC, GAP SUB, NMDC, HWDP,				
Second Directional :	Joe Jones			9 5/8	36	818						
MWD Operator1	James Hope / Jason Banks											
MWD Operator2												
Directional Company:	Sharewell											
Geologist:				Signature:								
Company Man:	Doug Miller											
Incl. In:	2.5	Azm. In:	194.3	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	00:20	0.33	6375	6387	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
21-Jul-10	00:20	00:42	0.37	6387	6463	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	00:42	00:47	0.08	6463	6463	Survey & Conn.	Survey & Conn.
21-Jul-10	00:47	01:33	0.77	6463	6493	Sliding	Sliding - (WOB:25;GPM :586;TFO:280)
21-Jul-10	01:33	02:02	0.48	6493	6558	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	02:02	02:07	0.08	6558	6558	Survey & Conn.	Survey & Conn.
21-Jul-10	02:07	03:00	0.88	6558	6593	Sliding	Sliding - (WOB:25;GPM :586;TFO:280)
21-Jul-10	03:00	03:18	0.30	6593	6653	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	03:18	03:23	0.08	6653	6653	Survey & Conn.	Survey & Conn.
21-Jul-10	03:23	04:35	1.20	6653	6698	Sliding	Sliding - (WOB:25;GPM :586;TFO:60)
21-Jul-10	04:35	04:51	0.27	6698	6748	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	04:51	04:56	0.08	6748	6748	Survey & Conn.	Survey & Conn.
21-Jul-10	04:56	06:59	2.05	6748	6833	Sliding	Sliding - (WOB:25;GPM :586;TFO:0)
21-Jul-10	06:59	07:12	0.22	6833	6844	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	07:12	07:15	0.05	6844	6844	Survey & Conn.	Survey & Conn.
21-Jul-10	07:15	08:00	0.75	6844	6939	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	08:00	08:04	0.07	6939	6939	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jul-10	08:04	08:44	0.67	6939	7034	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	08:44	08:48	0.07	7034	7034	Survey & Conn.	Survey & Conn.
21-Jul-10	08:48	09:30	0.70	7034	7129	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	09:30	09:35	0.08	7129	7129	Survey & Conn.	Survey & Conn.
21-Jul-10	09:35	10:02	0.45	7129	7159	Sliding	Sliding - (WOB:25;GPM :586;TFO:45)
21-Jul-10	10:02	10:30	0.47	7159	7225	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	10:30	10:34	0.07	7225	7225	Survey & Conn.	Survey & Conn.
21-Jul-10	10:34	10:40	0.10	7225	7227	Sliding	Sliding - (WOB:25;GPM :586;TFO:45)
21-Jul-10	10:40	11:10	0.50	7227	7227	Rig repair	Rig repair
21-Jul-10	11:10	12:15	1.08	7227	7309	Sliding	Sliding - (WOB:25;GPM :586;TFO:45)
21-Jul-10	12:15	12:23	0.13	7309	7320	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	12:23	12:27	0.07	7320	7320	Survey & Conn.	Survey & Conn.
21-Jul-10	12:27	13:07	0.67	7320	7350	Sliding	Sliding - (WOB:25;GPM :586;TFO:45)
21-Jul-10	13:07	13:47	0.67	7350	7415	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	13:47	13:51	0.07	7415	7415	Survey & Conn.	Survey & Conn.
21-Jul-10	13:51	14:50	0.98	7415	7511	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	14:50	14:54	0.07	7511	7511	Survey & Conn.	Survey & Conn.
21-Jul-10	14:54	15:45	0.85	7511	7606	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)
21-Jul-10	15:45	15:49	0.07	7606	7606	Survey & Conn.	Survey & Conn.
21-Jul-10	15:49	16:07	0.30	7606	7625	Drilling	Drilling - (WOB:25;GPM :544;RPM:45)



# Well Information

**BHA #** 1



**SDI Job #:** 20100715  
**COMPANY:** Bill Barrett Corp.  
**LOCATION:** Rifle  
**RIG NAME:** Patterson 301  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** Specialty41D-28-692

**FIELD:** Mamm Creek  
**Sec-Twn-Rng:**  
**PO #/ DISTRICT**  
**Lead DD:** Michael Crawford  
**Co. Man:** Doug Miller  
**BHA TYPE:** Steerable Assembly

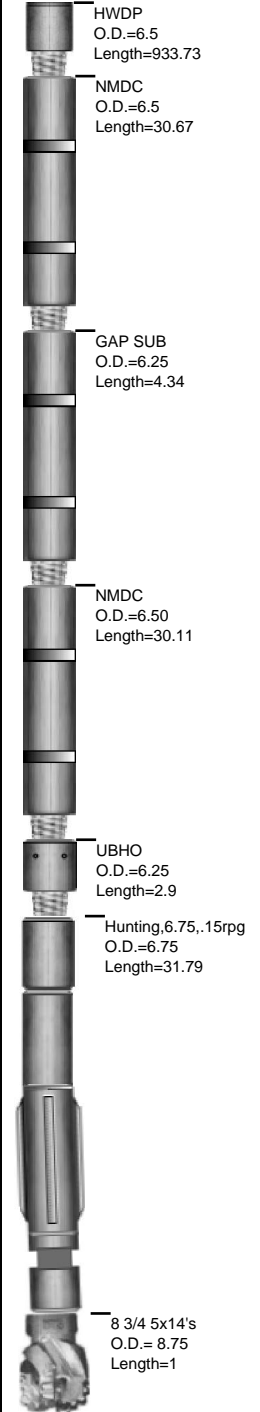
## BHA Summary Information

TIME IN - OUT		Rotary Hours		21.82		Start Depth		818.00		RPM Range	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only		32.78 / 1.10		End Depth		5510.00			
18-Jul-10 @ 12:45	20-Jul-10 @ 09:10	Slide Hours		9.87		Percent Rotary:		82.76		0 -45	0 -586
		Below Rotary Hrs.		44.42		Percent Slide:		17.24			
Total Drilled:		4692.00		Avg. Total ROP:		148.09		Incl.		Azimuth	
Total Rotary Drilled:		3883.00		Avg. Rotary ROP:		177.98		IN	OUT	IN	OUT
Total Drilled Sliding:		809.00		Avg. Slide ROP:		81.99		.0	.0	.00	.00
SPP	1200 -2750	Weights	SO	0 -115	PU	0 -175	RAB	0 -135	Reason POOH		

Bit Data								Motor Data						Mud Data					
BAKER		8 3/4 5x14's						Hunting 1.83, .15rpg						Type					
Type Bit				PDC				Model: Max Torque			Pad OD			WT	0	GAS	0	Solids	0
TFA		0.751						MFG. Hunting			7.05			Vis	0	SAND	0	T °	0
JETS		14	14	14	14	14	Bend °		1.83	Stator/Rotor		7/8		PV	0	PH	0	Chlor	0
		0	0	0	0	0	Bit to Bend		6.21	Motor Diff		YP	0	WL	0	Oil %	0		
Bit Coding			IADC#		505		Rev/GAL		0.15		BHT°			0					
IR	OR	DL	Loc	BS	G	ODL	NB Stab		0		Pumps	PUMP1		PUMP1					
0	0						Rotor Jet		0		NAME								
Bit Drop:		0 PSI @ 586 GPM				Sensor Offsets				Type									
Comments				Sensor	0	Sonic	0	Liner	.00	.00									
				Gamma	0	DNsc	818	Stroke	.00	.00									
				Restiv	0	GYRO	0	Efficiency	.00	.00									

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	8 3/4 5x14's	7129018		8.75	1.00	1.00	4 1/2 REGP
2	Hunting,6.75,.15rpg	2175		6.75	31.79	32.79	4 1/2 XHB
3	UBHO	12345	2.94	6.25	2.90	35.69	4 1/2 XHB
4	NMDC	650300314	3.25	6.50	30.11	65.80	4 1/2 XHB
5	GAP SUB	650001	3.25	6.25	4.34	70.14	4 1/2 XHB
6	NMDC	650300061	3.25	6.5	30.67	100.81	4 1/2 XHB
7	HWDP	RIG	2.88	6.5	933.73	1034.54	4 1/2 XHB



# Well Information

**BHA #** 2



**SDI Job #:** 20100715  
**COMPANY:** Bill Barrett Corp.  
**LOCATION:** Rifle  
**RIG NAME:** Patterson 301  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** Specialty41D-28-692

**FIELD:** Mamm Creek  
**Sec-Twn-Rng:**  
**PO #/ DISTRICT**  
**Lead DD:** Michael Crawford  
**Co. Man:** Doug Miller  
**BHA TYPE:** Steerable Assembly

## BHA Summary Information

TIME IN - OUT		Rotary Hours		12.28		Start Depth		5510.00		RPM Range	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only		21.87 / .00		End Depth		7625.00			
20-Jul-10 @ 09:10	21-Jul-10 @ 16:07	Slide Hours		9.58		Percent Rotary:		78.16		45 -45	544 -586
		Below Rotary Hrs.		30.95		Percent Slide:		21.84			
Total Drilled:		2115.00		Avg. Total ROP:		96.72		Incl.		Azimuth	
Total Rotary Drilled:		1653.00		Avg. Rotary ROP:		134.57		IN	OUT	IN	OUT
Total Drilled Sliding:		462.00		Avg. Slide ROP:		48.21		.0	.0	.00	.00
SPP	2250 -2250	Weights	SO	115 -115	PU	175 -175	RAB	135 -135	Reason POOH		

Bit Data				Motor Data				Mud Data			
Security 7 7/8-FX55M-5x16				Hunting 6 1/2,1.83,.16pg				Type			
<b>Type Bit</b>				Model: MAX Torque Pad OD				WT 0 GAS 0 Solids 0			
TFA 0.981 PDC				MFG. Hunting 6.44				Vis 0 SAND 0 T ° 0			
JETS 16 16 16 16 16				Bend ° 1.83 Stator/Rotor 7/8				PV 0 PH 0 Chlor 0			
0 0 0 0 0				Bit to Bend 6.02 Motor Diff				YP 0 WL 0 Oil % 0			
Bit Coding IADC# 55				Rev/GAL 0.16				BHT° 0			
IR OR DL Loc BS G ODL				NB Stab 0				Pumps PUMP1 PUMP1			
0 0				Rotor Jet 0				NAME			
Bit Drop: 0 PSI @ 586 GPM				Sensor Offsets				Model			
Comments				Type				Type			
				Liner				.00 .00			
				Stroke				.00 .00			
				Efficiency				.00 .00			

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	7 7/8-FX55M-5x16	11413551			1.00	1.00	4 1/2 REGP
2	Hunting, 6.5,.16pg	6013		6.75	31.49	32.49	4 1/2 XHB
3	UBHO	12345	2.94	6.25	2.90	35.39	4 1/2 XHB
4	NMDC	650300314	3.25	6.50	30.11	65.50	4 1/2 XHB
5	GAP SUB	650001	3.25	6.25	4.34	69.84	4 1/2 XHB
6	NMDC	650300061	3.25	6.5	30.67	100.51	4 1/2 XHB
7	HWDP	RIG	2.88	6.5	933.73	1034.24	4 1/2 XHB

