



Well Name and Number:

GGU Barge Fed 32D-32-691

Patterson 307  
Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





September 21, 2010

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

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

Well Reference: **GGU Barge Fed 32D-32-691**  
**Garfield County, Colorado**

Dear Troy,

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

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

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

Sincerely,

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

Stephen Williams



[swilliams@sharewell.com](mailto:swilliams@sharewell.com)



**Bill Barrett Corporation**

## **Bill Barrett Corp.**

Garfield County, Colorado

MDP 3 Pad

GGU Barge Federal 32D-32-691

Wellbore #1

Survey: Surveys

## **Standard Survey Report**

21 September, 2010

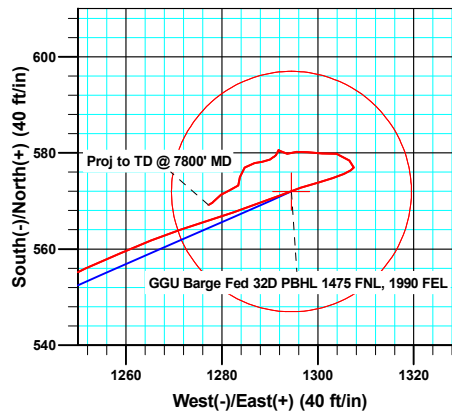
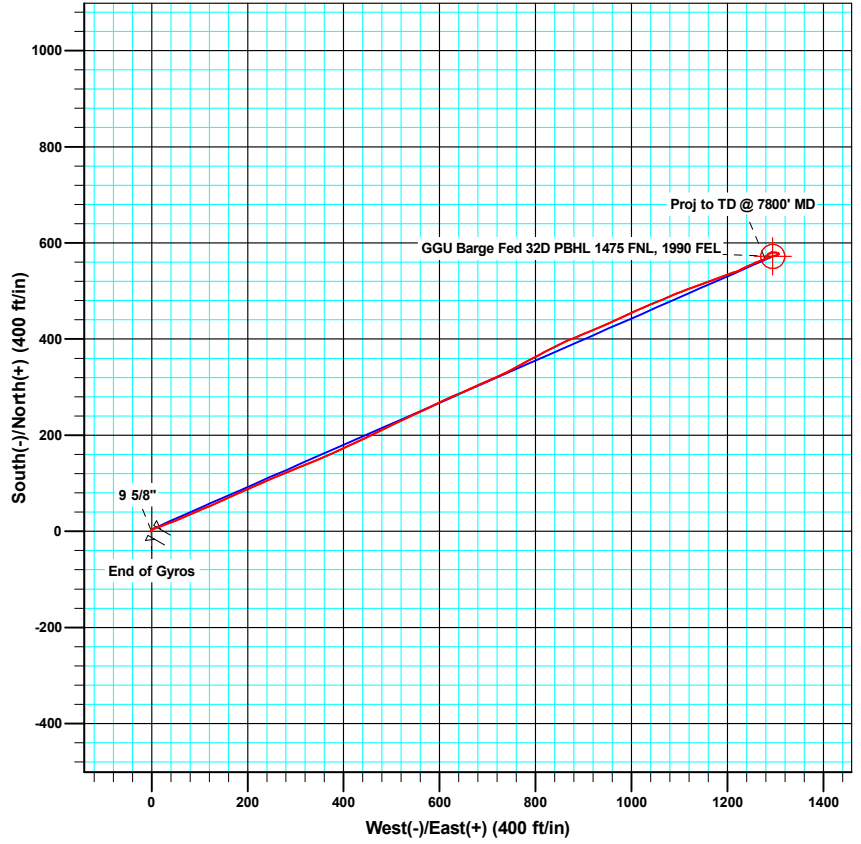
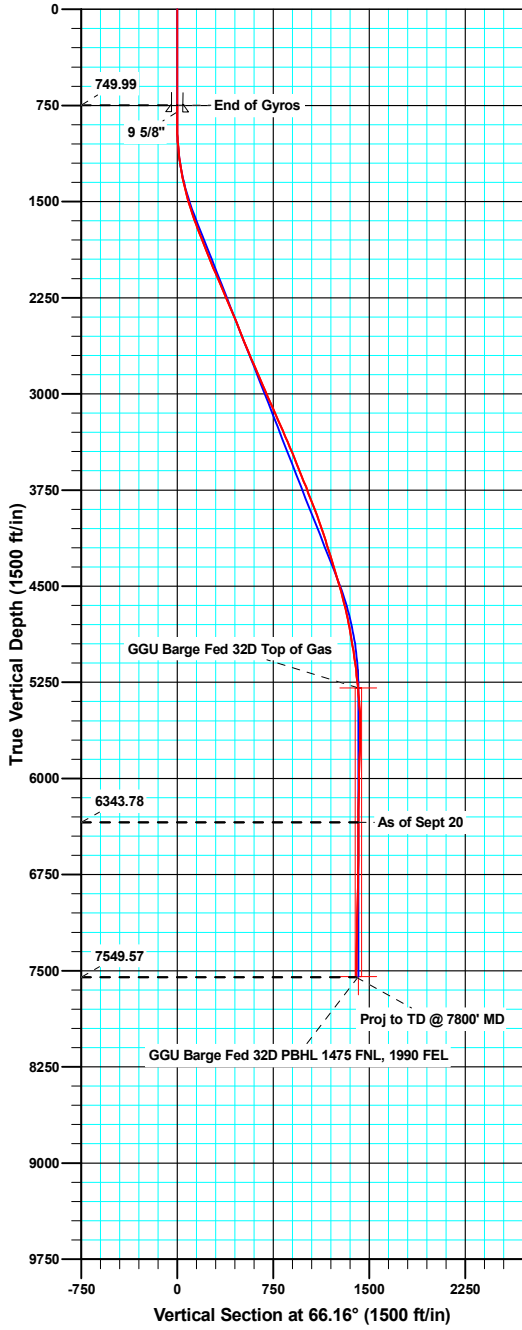




WELL DETAILS: GGU Barge Federal 32D-32-691

Ground Level: 6370.00

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1608633.91 2413020.77 39° 29' 9.70 N 107° 34' 47.62 W



Azimuths to True North  
 Magnetic North: 10.24°  
  
 Magnetic Field  
 Strength: 52406.5snT  
 Dip Angle: 65.84°  
 Date: 08/26/2010  
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
6343.78	6594.00	0.40	181.70	580.61	1291.83	1416.28	1452.25	As of Sept 20
7549.57	7800.00	1.10	237.90	569.17	1277.24	1398.31	1473.96	Proj to TD @ 7800' MD



<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 32D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6392.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6392.00ft
<b>Well:</b>	GGU Barge Federal 32D-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 3 Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,608,618.77 usft	<b>Latitude:</b>	39° 29' 9.55 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,413,031.56 usft	<b>Longitude:</b>	107° 34' 47.48 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	-1.31 °

<b>Well</b>	GGU Barge Federal 32D-32-691					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,608,633.91 usft	<b>Latitude:</b>	39° 29' 9.70 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,413,020.77 usft	<b>Longitude:</b>	107° 34' 47.62 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,370.00 ft

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

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	66.16	

<b>Survey Program</b>	<b>Date</b>	09/21/10			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
50.00	750.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
878.00	7,800.00	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>	
750.00	0.30	317.05	749.99	1.67	-0.72	0.02	0.00	0.00	0.00	
800.00	0.44	299.94	799.99	1.86	-0.98	-0.14	0.36	0.29	-34.21	
<b>9 5/8"</b>										
878.00	0.70	288.60	877.98	2.16	-1.69	-0.67	0.36	0.33	-14.54	
973.00	2.40	61.00	972.96	3.31	-0.50	0.88	3.07	1.79	139.37	
1,066.00	4.60	67.30	1,065.78	5.69	4.65	6.55	2.40	2.37	6.77	
1,158.00	7.40	71.90	1,157.27	8.96	13.68	16.14	3.09	3.04	5.00	
1,250.00	9.70	69.80	1,248.24	13.48	26.59	29.77	2.52	2.50	-2.28	
1,345.00	12.10	69.30	1,341.52	19.76	43.42	47.70	2.53	2.53	-0.53	
1,441.00	14.40	66.60	1,434.96	28.06	63.79	69.69	2.48	2.40	-2.81	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 32D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6392.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6392.00ft
<b>Well:</b>	GGU Barge Federal 32D-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)	
1,536.00	16.90	66.10	1,526.43	38.35	87.26	95.31	2.64	2.63	-0.53	
1,632.00	19.60	67.20	1,617.59	50.24	114.86	125.37	2.84	2.81	1.15	
1,727.00	21.70	66.20	1,706.48	63.50	145.62	158.87	2.24	2.21	-1.05	
1,822.00	20.20	66.00	1,795.20	77.26	176.68	192.83	1.58	-1.58	-0.21	
1,918.00	22.00	65.60	1,884.76	91.43	208.20	227.39	1.88	1.88	-0.42	
2,013.00	21.90	66.60	1,972.87	105.82	240.66	262.90	0.41	-0.11	1.05	
2,108.00	22.90	67.80	2,060.71	119.84	274.04	299.09	1.16	1.05	1.26	
2,203.00	23.80	68.20	2,147.92	133.94	308.95	336.73	0.96	0.95	0.42	
2,299.00	22.80	67.80	2,236.09	148.17	344.16	374.68	1.05	-1.04	-0.42	
2,394.00	23.00	66.10	2,323.61	162.64	378.17	411.64	0.73	0.21	-1.79	
2,489.00	23.00	63.90	2,411.06	178.33	411.80	448.74	0.90	0.00	-2.32	
2,584.00	21.40	64.80	2,499.01	193.87	444.15	484.62	1.72	-1.68	0.95	
2,680.00	22.30	63.90	2,588.12	209.34	476.36	520.33	1.00	0.94	-0.94	
2,775.00	22.70	64.60	2,675.88	225.13	509.10	556.66	0.51	0.42	0.74	
2,871.00	23.90	65.20	2,764.05	241.24	543.49	594.62	1.27	1.25	0.63	
2,966.00	23.60	64.70	2,851.01	257.44	578.15	632.88	0.38	-0.32	-0.53	
3,061.00	23.20	64.90	2,938.19	273.50	612.29	670.59	0.43	-0.42	0.21	
3,157.00	24.30	66.40	3,026.06	289.43	647.52	709.25	1.31	1.15	1.56	
3,252.00	23.60	65.30	3,112.88	305.20	682.71	747.82	0.87	-0.74	-1.16	
3,347.00	23.70	67.30	3,199.91	320.52	717.60	785.92	0.85	0.11	2.11	
3,443.00	22.90	61.10	3,288.09	336.99	751.75	823.82	2.69	-0.83	-6.46	
3,538.00	24.00	62.40	3,375.24	354.88	785.06	861.51	1.28	1.16	1.37	
3,634.00	22.90	61.40	3,463.31	372.86	818.76	899.61	1.22	-1.15	-1.04	
3,729.00	22.00	64.50	3,551.12	389.37	851.05	935.82	1.57	-0.95	3.26	
3,824.00	21.20	68.00	3,639.45	403.47	883.04	970.77	1.60	-0.84	3.68	
3,920.00	22.60	66.90	3,728.52	417.21	916.10	1,006.57	1.52	1.46	-1.15	
4,015.00	20.80	67.00	3,816.78	430.96	948.42	1,041.69	1.90	-1.89	0.11	
4,110.00	21.10	64.90	3,905.50	444.81	979.43	1,075.65	0.85	0.32	-2.21	
4,205.00	19.30	64.80	3,994.66	458.75	1,009.13	1,108.44	1.90	-1.89	-0.11	
4,301.00	19.50	68.40	4,085.21	471.40	1,038.38	1,140.32	1.26	0.21	3.75	
4,396.00	16.60	67.40	4,175.52	482.45	1,065.66	1,169.73	3.07	-3.05	-1.05	
4,492.00	16.70	66.50	4,267.50	493.22	1,090.97	1,197.24	0.29	0.10	-0.94	
4,587.00	17.20	70.40	4,358.38	503.38	1,116.72	1,224.89	1.31	0.53	4.11	
4,682.00	16.90	69.40	4,449.20	512.95	1,142.88	1,252.69	0.44	-0.32	-1.05	
4,778.00	16.30	69.90	4,541.20	522.49	1,168.59	1,280.06	0.64	-0.63	0.52	
4,873.00	13.90	69.60	4,632.91	531.05	1,191.81	1,304.76	2.53	-2.53	-0.32	
4,968.00	12.00	71.40	4,725.49	538.18	1,211.86	1,325.99	2.04	-2.00	1.89	
5,064.00	9.80	64.30	4,819.76	544.90	1,228.69	1,344.09	2.68	-2.29	-7.40	
5,159.00	10.60	64.00	4,913.26	552.24	1,243.83	1,360.91	0.84	0.84	-0.32	
5,255.00	9.00	66.80	5,007.85	559.07	1,258.66	1,377.24	1.74	-1.67	2.92	
5,350.00	7.60	71.30	5,101.86	564.01	1,271.45	1,390.93	1.62	-1.47	4.74	
5,445.00	6.40	71.80	5,196.15	567.68	1,282.43	1,402.45	1.26	-1.26	0.53	
5,541.00	6.00	68.70	5,291.59	571.17	1,292.18	1,412.79	0.54	-0.42	-3.23	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well GGU Barge Federal 32D-32-691
<b>Project:</b>	Garfield County, Colorado	<b>TVD Reference:</b>	KB @ 6392.00ft
<b>Site:</b>	MDP 3 Pad	<b>MD Reference:</b>	KB @ 6392.00ft
<b>Well:</b>	GGU Barge Federal 32D-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)	
5,636.00	4.10	74.80	5,386.21	573.87	1,300.09	1,421.11	2.08	-2.00	6.42	
5,735.00	2.40	66.80	5,485.05	575.61	1,305.41	1,426.68	1.77	-1.72	-8.08	
5,832.00	0.70	22.30	5,582.01	576.96	1,307.50	1,429.14	2.02	-1.75	-45.88	
5,926.00	1.80	310.30	5,675.99	578.45	1,306.59	1,428.91	1.83	1.17	-76.60	
6,022.00	1.90	286.00	5,771.95	579.86	1,303.91	1,427.03	0.82	0.10	-25.31	
6,117.00	1.80	254.70	5,866.90	579.90	1,300.96	1,424.35	1.06	-0.11	-32.95	
6,213.00	2.10	291.30	5,962.85	580.14	1,297.87	1,421.61	1.31	0.31	38.13	
6,308.00	1.00	233.10	6,057.81	580.28	1,295.58	1,419.58	1.88	-1.16	-61.26	
6,403.00	1.50	273.40	6,152.79	579.85	1,293.68	1,417.67	1.03	0.53	42.42	
6,499.00	0.70	329.90	6,248.78	580.43	1,292.13	1,416.48	1.31	-0.83	58.85	
6,594.00	0.40	181.70	6,343.78	580.61	1,291.83	1,416.28	1.12	-0.32	-156.00	
6,689.00	1.00	214.20	6,438.77	579.59	1,291.35	1,415.43	0.73	0.63	34.21	
6,785.00	0.30	354.40	6,534.76	579.15	1,290.86	1,414.80	1.30	-0.73	146.04	
6,880.00	0.30	192.30	6,629.76	579.15	1,290.78	1,414.73	0.62	0.00	-170.63	
6,975.00	0.90	250.50	6,724.76	578.66	1,290.02	1,413.84	0.83	0.63	61.26	
7,068.00	1.10	255.50	6,817.74	578.19	1,288.47	1,412.23	0.23	0.22	5.38	
7,163.00	0.90	266.30	6,912.73	577.91	1,286.84	1,410.63	0.29	-0.21	11.37	
7,258.00	1.90	236.30	7,007.70	576.99	1,284.79	1,408.38	1.27	1.05	-31.58	
7,354.00	1.40	164.20	7,103.67	574.98	1,283.78	1,406.65	2.07	-0.52	-75.10	
7,449.00	1.10	227.30	7,198.65	573.25	1,283.43	1,405.62	1.40	-0.32	66.42	
7,544.00	1.40	251.20	7,293.63	572.25	1,281.66	1,403.60	0.63	0.32	25.16	
7,640.00	1.10	229.90	7,389.61	571.28	1,279.85	1,401.55	0.57	-0.31	-22.19	
7,735.00	1.40	226.50	7,484.58	569.90	1,278.31	1,399.58	0.33	0.32	-3.58	
7,753.00	1.10	237.90	7,502.58	569.65	1,278.00	1,399.20	2.16	-1.67	63.33	
7,800.00	1.10	237.90	7,549.57	569.17	1,277.24	1,398.31	0.00	0.00	0.00	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name			Casing Diameter (ft)	Hole Diameter (ft)
800.00	799.99	9 5/8"			0.80	1.02

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
6,594.00	6,343.78	580.61	1,291.83	As of Sept 20	
7,800.00	7,549.57	569.17	1,277.24	Proj to TD @ 7800' MD	

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



<b>SDI Job #:</b>	20100914	<b>Report Time:</b>	2400	1 of 5
<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>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU Barge Fed 32D-32-691			

**From Friday, September 17, 2010 at 0000 to Friday, September 17, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters						
Start Depth	831.00	Rotary Hours	0.50	WOB	30	Pick UP	0	Slack Off	0	SPM
End Depth	1021.00	Circulating Hours	0.50	RAB	0	SPP	2000	FlowRate	0 - 560	140
Total Drilled:	190.00	Avg. Total ROP:	253.33	Mud Data						
Total Rotary Drilled:	165.00	Avg. Rotary ROP:	330.00	Type		PV	0	SOLID	0	
Total Drilled Sliding:	25.00	Avg. Slide ROP:	100.00	Weight	0	GAS	0	YP	0	BHT°
Slide Hours:	0.25	Percent Rotary:	86.84	Viscosity	0	SAND	0	PH	0	Flow T°
Below Rotary Hrs.	3.00	Percent Slide:	13.16	Chlorides	0	WL	0		Oil %	0
PERSONNEL				Casing			BHA			
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 1:MDi519 7x11's, 6.5 Mtr., 7/8 lb., 6.7 Stg., .29 re/gal., FB, UBHO, 6.5" Monel , Gap Sub, 6.5" Monel, 39 Jts. HWDP,			
Second Directional :	Lonnie Lutrull			Signature:						
MWD Operator1	Johnny Hadash									
MWD Operator2										
Directional Company:	Sharewell Energy Services									
Geologist:										
Company Man:	Cecil Crow									
Incl. In:	0.3	Azm. In:	317.05	Incl. Out:	2.4	Azm. Out:	61			

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
17-Sep-10	21:00	21:30	0.50	831	831	Change BHA	p/u Dir. Tools
17-Sep-10	21:30	22:30	1.00	831	831	TIH	TIH
17-Sep-10	22:30	23:00	0.50	831	831	Circulating	Drill Cement Float and shoe
17-Sep-10	23:00	23:20	0.33	831	929	Drilling	
17-Sep-10	23:20	23:25	0.08	929	929	Survey & Conn.	Survey & Conn.
17-Sep-10	23:25	23:40	0.25	929	954	Sliding	
17-Sep-10	23:40	23:50	0.17	954	1021	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
17-Sep-10	23:50	24:00	0.17	1021	1021	Survey & Conn.	Survey & Conn.



<b>SDI Job #:</b>	20100914	<b>Report Time:</b>	2400	2 of 5
<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>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU Barge Fed 32D-32-691			

**From Saturday, September 18, 2010 at 0000 to Saturday, September 18, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters							
Start Depth	1021.00	Rotary Hours	13.42	WOB	30	Pick UP	105	Slack Off	90	SPM	
End Depth	5091.00	Circulating Hours	0.42	RAB	95	SPP	2900	FlowRate	515 - 560	130	
Total Drilled:	4070.00	Avg. Total ROP:	209.61	<b>Mud Data</b>							
Total Rotary Drilled:	3515.00	Avg. Rotary ROP:	261.99	Type		PV	26	SOLID	6		
Total Drilled Sliding:	555.00	Avg. Slide ROP:	92.50	Weight	9.3	GAS	0	YP	19	BHT°	0
Slide Hours:	6.00	Percent Rotary:	86.36	Viscosity	54	SAND	0.1	PH	9.6	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	13.64	Chlorides	1100	WL	4		Oil %	0	

PERSONNEL				Casing			BHA
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 1:MDi519 7x11's, 6.5 Mtr., 7/8 lb., 6.7 Stg., .29 re/gal., FB, UBHO, 6.5" Monel , Gap Sub, 6.5" Monel, 39 Jts. HWDP,
Second Directional :	Lonnie Lutrull						
MWD Operator1	Johnny Hadash						
MWD Operator2							
Directional Company:	Sharewell Energy Services						
Geologist:							
Company Man:	Cecil Crow						
Signature:							
Incl. In:	2.4	Azm. In:	61	Incl. Out:	12	Azm. Out:	71.4

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Sep-10	00:00	00:05	0.08	1021	1046	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	00:05	00:15	0.17	1046	1117	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	00:15	00:20	0.08	1117	1117	Survey & Conn.	Survey & Conn.
18-Sep-10	00:20	00:30	0.17	1117	1142	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	00:30	00:40	0.17	1142	1209	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	00:40	00:45	0.08	1209	1209	Survey & Conn.	Survey & Conn.
18-Sep-10	00:45	01:00	0.25	1209	1234	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	01:00	01:05	0.08	1234	1301	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	01:05	01:10	0.08	1301	1301	Survey & Conn.	Survey & Conn.
18-Sep-10	01:10	01:25	0.25	1301	1326	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	01:25	01:35	0.17	1326	1396	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	01:35	01:40	0.08	1396	1396	Survey & Conn.	Survey & Conn.
18-Sep-10	01:40	01:50	0.17	1396	1421	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	01:50	02:00	0.17	1421	1492	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	02:00	02:05	0.08	1492	1492	Survey & Conn.	Survey & Conn.
18-Sep-10	02:05	02:20	0.25	1492	1522	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	02:20	02:30	0.17	1522	1587	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Sep-10	02:30	02:35	0.08	1587	1587	Survey & Conn.	Survey & Conn.
18-Sep-10	02:35	02:45	0.17	1587	1617	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	02:45	03:00	0.25	1617	1683	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	03:00	03:05	0.08	1683	1683	Survey & Conn.	Survey & Conn.
18-Sep-10	03:05	03:20	0.25	1683	1713	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	03:20	03:25	0.08	1713	1778	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	03:25	03:30	0.08	1778	1778	Survey & Conn.	Survey & Conn.
18-Sep-10	13:30	13:35	0.08	3780	3780	Survey & Conn.	Survey & Conn.
18-Sep-10	13:35	13:50	0.25	3780	3794	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	13:50	14:10	0.33	3794	3875	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	14:10	14:15	0.08	3875	3875	Survey & Conn.	Survey & Conn.
18-Sep-10	14:15	14:25	0.17	3875	3895	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	14:25	15:00	0.58	3895	3971	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	15:00	15:05	0.08	3971	3971	Survey & Conn.	Survey & Conn.
18-Sep-10	15:05	15:20	0.25	3971	4066	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	15:20	15:30	0.17	4066	4066	Survey & Conn.	Survey & Conn.
18-Sep-10	15:30	15:40	0.17	4066	4081	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	15:40	16:00	0.33	4081	4161	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	16:00	16:05	0.08	4161	4161	Survey & Conn.	Survey & Conn.
18-Sep-10	16:05	16:35	0.50	4161	4256	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	16:35	16:40	0.08	4256	4256	Survey & Conn.	Survey & Conn.
18-Sep-10	16:40	17:05	0.42	4256	4283	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	17:05	17:20	0.25	4283	4298	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	17:20	17:45	0.42	4298	4352	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	17:45	17:50	0.08	4352	4352	Survey & Conn.	Survey & Conn.
18-Sep-10	17:50	18:10	0.33	4352	4447	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	18:10	18:20	0.17	4447	4447	Survey & Conn.	Survey & Conn.
18-Sep-10	18:20	19:05	0.75	4447	4467	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	19:05	19:30	0.42	4467	4543	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	19:30	19:40	0.17	4543	4543	Survey & Conn.	Survey & Conn.
18-Sep-10	19:40	20:05	0.42	4543	4563	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	20:05	20:30	0.42	4563	4638	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	20:30	20:40	0.17	4638	4638	Survey & Conn.	Survey & Conn.
18-Sep-10	20:40	20:55	0.25	4638	4653	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	20:55	21:15	0.33	4653	4733	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	21:15	21:20	0.08	4733	4733	Survey & Conn.	Survey & Conn.
18-Sep-10	21:20	21:50	0.50	4733	4829	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	21:50	21:55	0.08	4829	4829	Survey & Conn.	Survey & Conn.
18-Sep-10	21:55	22:30	0.58	4829	4924	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	22:30	22:35	0.08	4924	4924	Survey & Conn.	Survey & Conn.
18-Sep-10	22:35	23:10	0.58	4924	5019	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	23:10	23:20	0.17	5019	5019	Survey & Conn.	Survey & Conn.
18-Sep-10	23:20	23:35	0.25	5019	5027	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	23:35	24:00	0.42	5027	5091	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	03:30	03:45	0.25	1778	1873	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	03:45	03:50	0.08	1873	1873	Survey & Conn.	Survey & Conn.
18-Sep-10	03:50	04:05	0.25	1873	1898	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	04:05	04:10	0.08	1898	1969	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Sep-10	04:10	04:15	0.08	1969	1969	Survey & Conn.	Survey & Conn.
18-Sep-10	04:15	04:25	0.17	1969	1981	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	04:25	04:35	0.17	1981	2064	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	04:35	04:45	0.17	2064	2064	Survey & Conn.	Survey & Conn.
18-Sep-10	04:45	04:55	0.17	2064	2084	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	04:55	05:05	0.17	2084	2159	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	05:05	05:15	0.17	2159	2159	Survey & Conn.	Survey & Conn.
18-Sep-10	05:15	05:25	0.17	2159	2174	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	05:25	05:35	0.17	2174	2254	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	05:35	05:40	0.08	2254	2254	Survey & Conn.	Survey & Conn.
18-Sep-10	05:40	05:55	0.25	2254	2350	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	05:55	06:00	0.08	2350	2350	Survey & Conn.	Survey & Conn.
18-Sep-10	06:00	06:05	0.08	2350	2366	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	06:05	06:15	0.17	2366	2445	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	06:15	06:20	0.08	2445	2445	Survey & Conn.	Survey & Conn.
18-Sep-10	06:20	06:35	0.25	2445	2540	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	06:35	06:45	0.17	2540	2540	Survey & Conn.	Survey & Conn.
18-Sep-10	06:45	06:55	0.17	2540	2635	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	06:55	07:00	0.08	2635	2635	Survey & Conn.	Survey & Conn.
18-Sep-10	07:00	07:10	0.17	2635	2655	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	07:10	07:20	0.17	2655	2731	Drilling	Drilling - (WOB:30;GPM :560;RPM:50)
18-Sep-10	07:20	07:25	0.08	2731	2731	Survey & Conn.	Survey & Conn.
18-Sep-10	07:25	07:30	0.08	2731	2746	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	07:30	07:50	0.33	2746	2826	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	07:50	07:55	0.08	2826	2826	Survey & Conn.	Survey & Conn.
18-Sep-10	07:55	08:00	0.08	2826	2841	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	08:00	08:15	0.25	2841	2922	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	08:15	08:20	0.08	2922	2922	Survey & Conn.	Survey & Conn.
18-Sep-10	08:20	08:25	0.08	2922	2931	Sliding	Sliding - (WOB:30;GPM :560;TFO:0)
18-Sep-10	08:25	08:40	0.25	2931	3017	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	08:40	08:45	0.08	3017	3017	Survey & Conn.	Survey & Conn.
18-Sep-10	08:45	08:50	0.08	3017	3026	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	08:50	09:10	0.33	3026	3112	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	09:10	09:15	0.08	3112	3112	Survey & Conn.	Survey & Conn.
18-Sep-10	09:15	09:20	0.08	3112	3123	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	09:20	09:45	0.42	3123	3208	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	09:45	09:50	0.08	3208	3208	Survey & Conn.	Survey & Conn.
18-Sep-10	09:50	10:05	0.25	3208	3303	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	10:05	10:10	0.08	3303	3303	Survey & Conn.	Survey & Conn.
18-Sep-10	10:10	10:15	0.08	3303	3313	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	10:15	10:40	0.42	3313	3398	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	10:40	10:45	0.08	3398	3398	Survey & Conn.	Survey & Conn.
18-Sep-10	10:45	10:50	0.08	3398	3411	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	10:50	11:20	0.50	3411	3494	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	11:20	11:25	0.08	3494	3494	Survey & Conn.	Survey & Conn.
18-Sep-10	11:25	11:35	0.17	3494	3502	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	11:35	12:05	0.50	3502	3589	Drilling	Drilling - (WOB:30;GPM :560;RPM:48)
18-Sep-10	12:05	12:30	0.42	3589	3589	Rig Service-Inhole	Rig Service-Inhole

<b>Date</b>	<b>Start Time</b>	<b>End Time</b>	<b>Hours</b>	<b>Start Depth</b>	<b>End Depth</b>	<b>Activity Code</b>	<b>COMMENT</b>
18-Sep-10	12:30	12:35	0.08	3589	3589	Survey & Conn.	Survey & Conn.
18-Sep-10	12:35	13:00	0.42	3589	3685	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
18-Sep-10	13:00	13:05	0.08	3685	3685	Survey & Conn.	Survey & Conn.
18-Sep-10	13:05	13:15	0.17	3685	3700	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
18-Sep-10	13:15	13:30	0.25	3700	3780	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)



<b>SDI Job #:</b>	20100914	<b>Report Time:</b>	2400	3 of 5
<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>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU Barge Fed 32D-32-691			

**From Sunday, September 19, 2010 at 0000 to Sunday, September 19, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters									
Start Depth	5091.00	Rotary Hours	8.92	WOB	30	Pick UP	175	Slack Off	130	SPM			
End Depth	6280.00	Circulating Hours	0.00	RAB	150	SPP	2900	FlowRate	515 - 515	130			
Total Drilled:	1189.00	Avg. Total ROP:	84.43	<b>Mud Data</b>									
Total Rotary Drilled:	1054.00	Avg. Rotary ROP:	118.21	Type		PV	24	SOLID	6				
Total Drilled Sliding:	135.00	Avg. Slide ROP:	26.13	Weight	9.95	GAS	0	YP	19	BHT°	0		
Slide Hours:	5.17	Percent Rotary:	88.65	Viscosity	55	SAND	0.1	PH	9.6	Flow T°	0		
Below Rotary Hrs.	24.00	Percent Slide:	11.35	Chlorides	1100	WL	4			Oil %	0		
PERSONNEL				Casing			BHA						
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 2:Mi 516 3x18, 2x16, 6.5 Mtr., 7/8, 3.3, .16 rev., HR, Adj., UBHO, 6.5" Monel , Gap Sub, 6.5" Monel, 39 Jts. HWDP,						
Second Directional :	Lonnie Lutrull												
MWD Operator1	Johnny Hadash												
MWD Operator2													
Directional Company:	Sharewell Energy Services												
Geologist:													
Company Man:	Cecil Crow			Signature:									
Incl. In:	12	Azm. In:	71.4	Incl. Out:	2.1	Azm. Out:	291.3						

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Sep-10	00:00	00:10	0.17	5091	5115	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	00:10	00:15	0.08	5115	5115	Survey & Conn.	Survey & Conn.
19-Sep-10	00:15	00:35	0.33	5115	5130	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	00:35	01:15	0.67	5130	5210	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	01:15	01:20	0.08	5210	5210	Survey & Conn.	Survey & Conn.
19-Sep-10	01:20	02:00	0.67	5210	5306	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	02:00	02:10	0.17	5306	5306	Survey & Conn.	Survey & Conn.
19-Sep-10	02:10	02:55	0.75	5306	5401	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	02:55	03:00	0.08	5401	5401	Survey & Conn.	Survey & Conn.
19-Sep-10	03:00	03:30	0.50	5401	5407	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	03:30	04:05	0.58	5407	5496	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	04:05	04:15	0.17	5496	5496	Survey & Conn.	Survey & Conn.
19-Sep-10	04:15	04:40	0.42	5496	5504	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	04:40	04:50	0.17	5504	5527	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	04:50	05:30	0.67	5527	5538	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	05:30	06:00	0.50	5538	5592	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	06:00	06:05	0.08	5592	5592	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Sep-10	06:05	06:50	0.75	5592	5618	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	06:50	07:25	0.58	5618	5669	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	07:25	07:40	0.25	5669	5677	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	07:40	08:00	0.33	5677	5687	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	08:00	08:05	0.08	5687	5687	Survey & Conn.	Survey & Conn.
19-Sep-10	08:05	08:25	0.33	5687	5698	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	08:25	09:30	1.08	5698	5720	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	09:30	12:30	3.00	5720	5720	POOH	POOH
19-Sep-10	12:30	14:15	1.75	5720	5720	Change BHA	Change BHA
19-Sep-10	14:15	18:10	3.92	5720	5720	TIH	TIH
19-Sep-10	18:10	19:00	0.83	5720	5782	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	19:00	19:05	0.08	5782	5782	Survey & Conn.	Survey & Conn.
19-Sep-10	19:05	19:25	0.33	5782	5794	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	19:25	20:00	0.58	5794	5878	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	20:00	20:05	0.08	5878	5878	Survey & Conn.	Survey & Conn.
19-Sep-10	20:05	20:15	0.17	5878	5885	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	20:15	20:55	0.67	5885	5973	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	20:55	21:00	0.08	5973	5973	Survey & Conn.	Survey & Conn.
19-Sep-10	21:00	21:40	0.67	5973	6069	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	21:40	21:45	0.08	6069	6069	Survey & Conn.	Survey & Conn.
19-Sep-10	21:45	22:30	0.75	6069	6164	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	22:30	22:35	0.08	6164	6164	Survey & Conn.	Survey & Conn.
19-Sep-10	22:35	22:55	0.33	6164	6174	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	22:55	23:30	0.58	6174	6260	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
19-Sep-10	23:30	23:35	0.08	6260	6260	Survey & Conn.	Survey & Conn.
19-Sep-10	23:35	23:55	0.33	6260	6270	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
19-Sep-10	23:55	24:00	0.08	6270	6280	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)



<b>SDI Job #:</b>	20100914	<b>Report Time:</b>	2400	4 of 5
<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>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU Barge Fed 32D-32-691			

**From Monday, September 20, 2010 at 0000 to Monday, September 20, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters									
Start Depth	6280.00	Rotary Hours	11.42	WOB	30	Pick UP	190	Slack Off	155	SPM			
End Depth	7720.00	Circulating Hours	1.00	RAB	170	SPP	2900	FlowRate	515 - 515	130			
Total Drilled:	1440.00	Avg. Total ROP:	108.68	<b>Mud Data</b>									
Total Rotary Drilled:	1375.00	Avg. Rotary ROP:	120.44	Type		PV	22	SOLID	10				
Total Drilled Sliding:	65.00	Avg. Slide ROP:	35.45	Weight	10.3	GAS	0	YP	16	BHT°	0		
Slide Hours:	1.83	Percent Rotary:	95.49	Viscosity	48	SAND	0.5	PH	9.8	Flow T°	0		
Below Rotary Hrs.	24.00	Percent Slide:	4.51	Chlorides	1000	WL	5.6			Oil %	0		
PERSONNEL				Casing			BHA						
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 3:Mi516 3x18, 2x16, 6.5 Mtr., 7/8, 3.3, .16 rev., HR, FB, UBHO, 6.5" Monel, Gap Sub, 6.5" Monel, 39 Jts. HWDP,						
Second Directional :	Lonnie Lutrull			Signature:									
MWD Operator1	Paul Loehr												
MWD Operator2													
Directional Company:	Sharewell Energy Services												
Geologist:													
Company Man:	Doug Miller												
Incl. In:	2.1	Azm. In:	291.3	Incl. Out:	1.1	Azm. Out:	229.9						

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Sep-10	00:00	00:30	0.50	6280	6355	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	00:30	00:40	0.17	6355	6355	Survey & Conn.	Survey & Conn.
20-Sep-10	00:40	00:50	0.17	6355	6365	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	00:50	01:30	0.67	6365	6450	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	01:30	01:40	0.17	6450	6450	Survey & Conn.	Survey & Conn.
20-Sep-10	01:40	02:00	0.33	6450	6460	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	02:00	03:00	1.00	6460	6546	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	03:00	03:45	0.75	6546	6641	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	03:45	03:50	0.08	6641	6641	Survey & Conn.	Survey & Conn.
20-Sep-10	03:50	04:35	0.75	6641	6736	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	04:35	04:45	0.17	6736	6736	Survey & Conn.	Survey & Conn.
20-Sep-10	04:45	05:10	0.42	6736	6746	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	05:10	05:55	0.75	6746	6832	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	05:55	06:00	0.08	6832	6832	Survey & Conn.	Survey & Conn.
20-Sep-10	06:00	06:10	0.17	6832	6840	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	06:10	06:55	0.75	6840	6927	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	06:55	07:00	0.08	6927	6927	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Sep-10	07:00	07:25	0.42	6927	6934	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	07:25	08:05	0.67	6934	7022	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	08:05	08:10	0.08	7022	7022	Survey & Conn.	Survey & Conn.
20-Sep-10	08:10	09:15	1.08	7022	7112	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	09:15	10:15	1.00	7112	7112	Circulating	Circulating
20-Sep-10	10:15	13:20	3.08	7112	7112	POOH	POOH
20-Sep-10	13:20	15:25	2.08	7112	7112	Change BHA	Change BHA
20-Sep-10	15:25	18:30	3.08	7112	7112	TIH	TIH
20-Sep-10	18:30	18:40	0.17	7112	7115	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	18:40	18:45	0.08	7115	7115	Survey & Conn.	Survey & Conn.
20-Sep-10	18:45	19:35	0.83	7115	7210	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	19:35	19:40	0.08	7210	7210	Survey & Conn.	Survey & Conn.
20-Sep-10	19:40	20:20	0.67	7210	7305	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	20:20	20:25	0.08	7305	7305	Survey & Conn.	Survey & Conn.
20-Sep-10	20:25	20:45	0.33	7305	7325	Sliding	Sliding - (WOB:30;GPM :515;TFO:0)
20-Sep-10	20:45	21:15	0.50	7325	7401	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	21:15	21:25	0.17	7401	7401	Survey & Conn.	Survey & Conn.
20-Sep-10	21:25	22:10	0.75	7401	7496	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	22:10	22:15	0.08	7496	7496	Survey & Conn.	Survey & Conn.
20-Sep-10	22:15	22:45	0.50	7496	7591	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	22:45	22:50	0.08	7591	7591	Survey & Conn.	Survey & Conn.
20-Sep-10	22:50	23:35	0.75	7591	7687	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
20-Sep-10	23:35	23:40	0.08	7687	7687	Survey & Conn.	Survey & Conn.
20-Sep-10	23:40	24:00	0.33	7687	7720	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)



<b>SDI Job #:</b>	20100914	<b>Report Time:</b>	2400	5 of 5
<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>		R91W
<b>WELL NAME:</b>	MDP 3 Pad, GGU Barge Fed 32D-32-691			

**From Tuesday, September 21, 2010 at 0000 to Tuesday, September 21, 2010 at 2400**

DRILLING SUMMARY				Drilling Parameters							
Start Depth	7720.00	Rotary Hours	0.42	WOB	30	Pick UP	190	Slack Off	155	SPM	
End Depth	7800.00	Circulating Hours	2.08	RAB	170	SPP	2900	FlowRate	515 - 515	130	
Total Drilled:	80.00	Avg. Total ROP:	192.00	Mud Data							
Total Rotary Drilled:	80.00	Avg. Rotary ROP:	192.00	Type		PV	22	SOLID	10		
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	10.3	GAS	0	YP	16	BHT°	0
Slide Hours:	0.00	Percent Rotary:	100.00	Viscosity	48	SAND	0.5	PH	9.8	Flow T°	0
Below Rotary Hrs.	8.00	Percent Slide:	.00	Chlorides	1000	WL	5.6		Oil %	0	

PERSONNEL				Casing			BHA	
Lead Directional :	Stan Simms			Size	Lb/ft	Set Depth	BHA # 3:Mi516 3x18, 2x16, 6.5 Mtr., 7/8, 3.3, .16 rev., HR, FB, UBHO, 6.5" Monel, Gap Sub, 6.5" Monel, 39 Jts. HWDP,	
Second Directional :	Lonnie Lutrull			Signature:				
MWD Operator1	Paul Loehr							
MWD Operator2								
Directional Company:	Sharewell Energy Services							
Geologist:								
Company Man:	Doug Miller							
Incl. In:	1.1	Azm. In:	229.9	Incl. Out:	0	Azm. Out:	0	

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Sep-10	00:00	00:20	0.33	7720	7782	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
21-Sep-10	00:20	00:25	0.08	7782	7782	Survey & Conn.	Survey & Conn.
21-Sep-10	00:25	00:30	0.08	7782	7800	Drilling	Drilling - (WOB:30;GPM :515;RPM:48)
21-Sep-10	00:30	00:35	0.08	7800	7800	MWD Survey	MWD Survey @ TD
21-Sep-10	00:35	01:35	1.00	7800	7800	Circulating	Circulating
21-Sep-10	01:35	03:20	1.75	7800	7800	Short Trip	Short Trip
21-Sep-10	03:20	04:20	1.00	7800	7800	Circulating	Circulating
21-Sep-10	04:20	08:00	3.67	7800	7800	POOH	POOH & L/D Tools

# Well Information

**BHA # 1**



SDI Job #: 20100914  
 COMPANY: BILL BARRETT CORP  
 LOCATION: Silt  
 RIG NAME: Patterson 307  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: MDP 3 Pad, GGU Barge Fed 32D-32-691

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

## BHA Summary Information

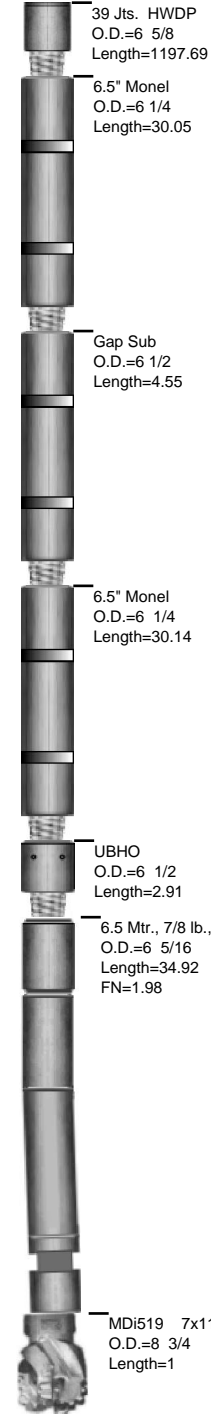
<b>TIME IN - OUT</b>		<b>Rotary Hours</b>	18.67	<b>Start Depth</b>	831.00	<b>RPM</b>	<b>Flow Rate</b>		
<b>Start Time</b>	<b>End Time</b>	<b>Circ Hrs Tot/Only</b>	29.83 / .92	<b>End Depth</b>	5720.00	<b>Range</b>			
17-Sep-10 @ 21:30	19-Sep-10 @ 14:15	<b>Slide Hours</b>	10.25	<b>Percent Rotary:</b>	86.17	48 -50	515 -560		
		<b>Below Rotary Hrs.</b>	40.75	<b>Percent Slide:</b>	13.83				
<b>Total Drilled:</b>		4889.00	<b>Avg. Total ROP:</b>	169.07	<b>Incl.</b>	<b>Azimuth</b>			
<b>Total Rotary Drilled:</b>		4213.00	<b>Avg. Rotary ROP:</b>	225.70	<b>IN</b>	<b>OUT</b>	<b>IN</b> <b>OUT</b>		
<b>Total Drilled Sliding:</b>		676.00	<b>Avg. Slide ROP:</b>	65.95	.0	.0	.00   .00		
<b>SPP</b>	2000 -2900	<b>Weights</b>	<b>SO</b>	0 -130	<b>PU</b>	0 -175	<b>RAB</b>	0 -150	<b>Reason POOH</b>

Bit Data				Motor Data				Mud Data				
SMITH MDi519 7x11's				6.5 Motor, 7/8 lb., 6.7 Stg., .29 Rev., FB				Type				
<b>Type Bit</b>		PDC		Model: 650		Pad OD		WT 9.95		GAS 0 Solids 6		
TFA 0.649				MFG. Hunting		6 7/8		Vis 55		SAND 0.1 T° 0		
<b>JETS</b>		11	11	11	11	Bend ° 1.83		Stator/Rotor 7/8		PV 24 PH 9.6 Chlor 1100		
		11	11	0	0	Bit to Bend 6.3		Motor Diff 450		YP 19 WL 4 Oil % 0		
<b>Bit Coding</b>		IADC#		Rev/GAL 0.29				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	5	WT	S				NB Stab 0					
<b>Bit Drop:</b>		682 PSI @ 560 GPM		<b>Sensor Offsets</b>				<b>NAME</b>				
				Rotor Jet 0				<b>Model</b>				
								<b>Type</b>				
								<b>Liner</b>		.00   .00		
								<b>Stroke</b>		.00   .00		
								<b>Efficiency</b>		.00   .00		

## Comments

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	MDi519 7x11's	JY2133		8 3/4	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8 lb., 6.7 Stg., .29 re/gal., FB	6059		6 5/16	34.92	35.92	4 1/2 XHB
3	UBHO	UB-65-xx-SW	2 3/4	6 1/2	2.91	38.83	4 1/2 XHB
4	6.5" Monel	Aws-650-300-032	3 1/4	6 1/4	30.14	68.97	4 1/2 XHB
5	Gap Sub	G-65-019-SW	3 1/4	6 1/2	4.55	73.52	4 1/2 XHB
6	6.5" Monel	AWS-650300-020	3 1/4	6 1/4	30.05	103.57	4 1/2 XHB
7	39 Jts. HWDP	Rig	2 7/8	6 5/8	1,197.69	1301.26	4 1/2 XHB



# Well Information

**BHA #** 2



**SDI Job #:** 20100914  
**COMPANY:** BILL BARRETT CORP  
**LOCATION:** Silt  
**RIG NAME:** Patterson 307  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** MDP 3 Pad, GGU Barge Fed 32D-32-691

**FIELD:** Mamm Creek  
**Sec-Twn-Rng:** T6S  
**PO #/ DISTRICT:** R91W  
**Lead DD:** Stan Simms  
**Co. Man:** Doug Miller  
**BHA TYPE:** Steerable Assembly

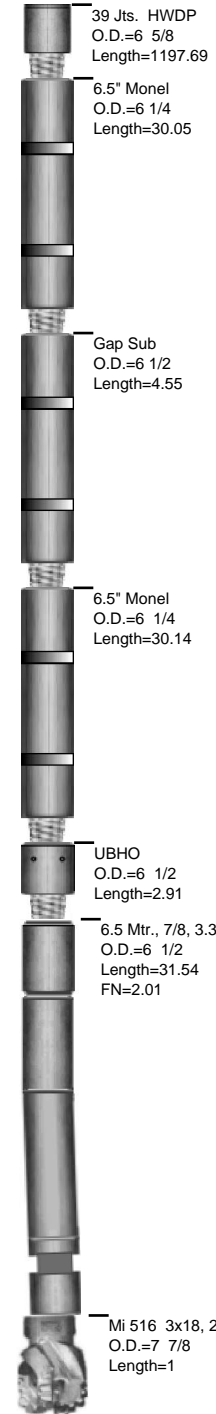
## BHA Summary Information

<b>TIME IN - OUT</b>		<b>Rotary Hours</b>	11.08	<b>Start Depth</b>	5720.00	<b>RPM</b>	<b>Flow Rate</b>
<b>Start Time</b>	<b>End Time</b>	<b>Circ Hrs Tot/Only</b>	14.75 / 1.00	<b>End Depth</b>	7112.00	<b>Range</b>	
19-Sep-10 @ 14:15	20-Sep-10 @ 15:25	<b>Slide Hours</b>	2.67	<b>Percent Rotary:</b>	93.97	48 -48	515 -515
		<b>Below Rotary Hrs.</b>	25.17	<b>Percent Slide:</b>	6.03		
<b>Total Drilled:</b>		1392.00	<b>Avg. Total ROP:</b>	101.24	<b>Incl.</b>	<b>Azimuth</b>	
<b>Total Rotary Drilled:</b>		1308.00	<b>Avg. Rotary ROP:</b>	118.02	<b>IN</b>	<b>OUT</b>	<b>IN</b> <b>OUT</b>
<b>Total Drilled Sliding:</b>		84.00	<b>Avg. Slide ROP:</b>	31.50	.0	.0	.00   .00
<b>SPP</b>	2900 -2900	<b>Weights</b>	<b>SO</b> 130 -155	<b>PU</b> 175 -190	<b>RAB</b> 150 -170	<b>Reason POOH</b>	

Bit Data				Motor Data				Mud Data					
SMITH Mi 516 3x18, 2x16				6.5 Motor, 7/8, 3.3, .16 rev., HR, Adj.				Type					
<b>Type Bit</b>		PDC		Model: 650		Pad OD		WT 10.3		GAS 0 Solids 10			
TFA 1.138				MFG. Hunting		6 3/4		Vis 48		SAND 0.5 T° 0			
<b>JETS</b>		18	18	18	16	16	Bend ° 1.83		Stator/Rotor 7/8		PV 22 PH 9.8 Chlor 1000		
		0	0	0	0	0	Bit to Bend 5.94		Motor Diff 350		YP 16 WL 5.6 Oil % 0		
<b>Bit Coding</b>		IADC#		Rev/GAL 0.16				<b>BHT°</b>		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>		
0	0						NB Stab 0						
<b>Bit Drop:</b>		194 PSI @ 515 GPM		Sensor Offsets				<b>NAME</b>					
								<b>Model</b>					
								<b>Type</b>					
<b>Comments</b>		<b>Sensor</b>	0	<b>Sonic</b>	0	<b>Liner</b>				.00		.00	
		<b>Gamma</b>	0	<b>DNCS</b>	5720	<b>Stroke</b>				.00		.00	
		<b>Restiv</b>	0	<b>GYRO</b>	0	<b>Efficiency</b>				.00		.00	

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Mi 516 3x18, 2x16	JD8325		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8, 3.3, .16 rev., HR, Adj.	6101		6 1/2	31.54	32.54	4 1/2 XHB
3	UBHO	UB-65-xx-SW	2 3/4	6 1/2	2.91	35.45	4 1/2 XHB
4	6.5" Monel	Aws-650-300-032	3 1/4	6 1/4	30.14	65.59	4 1/2 XHB
5	Gap Sub	G-65-019-SW	3 1/4	6 1/2	4.55	70.14	4 1/2 XHB
6	6.5" Monel	AWS-650300-020	3 1/4	6 1/4	30.05	100.19	4 1/2 XHB
7	39 Jts. HWDP	Rig	2 7/8	6 5/8	1,197.69	1297.88	4 1/2 XHB



# Well Information

**BHA # 3**



SDI Job #: 20100914  
 COMPANY: BILL BARRETT CORP  
 LOCATION: Silt  
 RIG NAME: Patterson 307  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: MDP 3 Pad, GGU Barge Fed 32D-32-691

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

## BHA Summary Information

<b>TIME IN - OUT</b>		<b>Rotary Hours</b>	4.92	<b>Start Depth</b>	7112.00	<b>RPM</b>	<b>Flow Rate</b>
<b>Start Time</b>	<b>End Time</b>	<b>Circ Hrs Tot/Only</b>	7.33 / 2.08	<b>End Depth</b>	7800.00	<b>Range</b>	
20-Sep-10 @ 15:25	21-Sep-10 @ 08:00	<b>Slide Hours</b>	.33	<b>Percent Rotary:</b>	97.09	48 -48	515 -515
		<b>Below Rotary Hrs.</b>	16.58	<b>Percent Slide:</b>	2.91		
<b>Total Drilled:</b>		688.00	<b>Avg. Total ROP:</b>	131.05	<b>Incl.</b>	<b>Azimuth</b>	
<b>Total Rotary Drilled:</b>		668.00	<b>Avg. Rotary ROP:</b>	135.86	<b>IN</b>	<b>OUT</b>	<b>IN</b> <b>OUT</b>
<b>Total Drilled Sliding:</b>		20.00	<b>Avg. Slide ROP:</b>	60.00	.0	.0	.00 .00
<b>SPP</b>	2900 -2900	<b>Weights</b>	<b>SO</b> 155 -155	<b>PU</b> 190 -190	<b>RAB</b> 170 -170	<b>Reason POOH</b>	

Bit Data				Motor Data				Mud Data				
SMITH Mi516 3x18, 2x16				6.5 Motor, 7/8, 3.3, .16 rev., HR, FB				Type				
<b>Type Bit</b>		PDC		Model: 650		Pad OD		WT 10.3		GAS 0 Solids 10		
TFA 1.138				MFG. Hunting		6 3/4		Vis 48		SAND 0.5 T° 0		
<b>JETS</b>		18	18	18	16	16	Bend ° 1.83		Stator/Rotor 7/8		PV 22 PH 9.8 Chlor 1000	
		0	0	0	0	0	Bit to Bend 6.2		Motor Diff 350		YP 16 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>	NB Stab 0		<b>Pumps</b>		<b>PUMP1</b> <b>PUMP1</b>	
0	0						Rotor Jet 0		NAME		Model	
<b>Bit Drop:</b>		194 PSI @ 515 GPM		Sensor Offsets				Type		.00 .00		
<b>Comments</b>		<b>Sensor</b>	47	<b>Sonic</b>	0	<b>Liner</b>		.00 .00				
		<b>Gamma</b>	0	<b>DNCS</b>	0	<b>Stroke</b>		.00 .00				
		<b>Restiv</b>	0	<b>GYRO</b>	0	<b>Efficiency</b>		.00 .00				

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Mi516 3x18, 2x16	JD7519		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 Mtr., 7/8, 3.3, .16 rev., HR, FB	6286		6 3/8	31.64	32.64	4 1/2 XHB
3	UBHO	UB-65-xx-SW	2 3/4	6 1/2	2.91	35.55	4 1/2 XHB
4	6.5" Monel	Aws-650-300-032	3 1/4	6 1/4	30.14	65.69	4 1/2 XHB
5	Gap Sub	G-65-019-SW	3 1/4	6 1/2	4.55	70.24	4 1/2 XHB
6	6.5" Monel	AWS-650300-020	3 1/4	6 1/4	30.05	100.29	4 1/2 XHB
7	39 Jts. HWDP	Rig	2 7/8	6 5/8	1,197.69	1297.98	4 1/2 XHB

