



Well Name and Number:

Werner 31A-26-692

Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





December 1, 2011

Troy Schindler
VP Drilling

Bill Barrett Corp.
1099 18th Street
Suite 2300
Denver, CO 80202

Well Reference: **Werner 31A-26-692**
 Garfield County, Colorado

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,

Nathan Nguyen


(713) 983-9818 - Office
nnguyen@sharewell.com

Bill Barrett Corp. (II)

Garfield County, Colorado [NAD83]

Werner Pad

Werner 31A-26-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

01 December, 2011

WELL DETAILS: Werner 31A-26-692

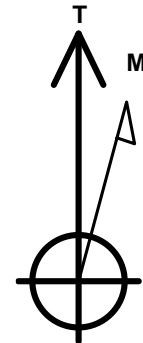
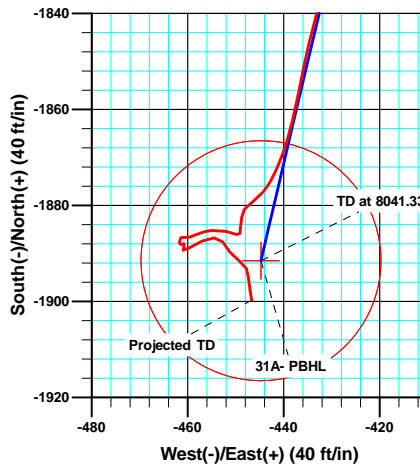
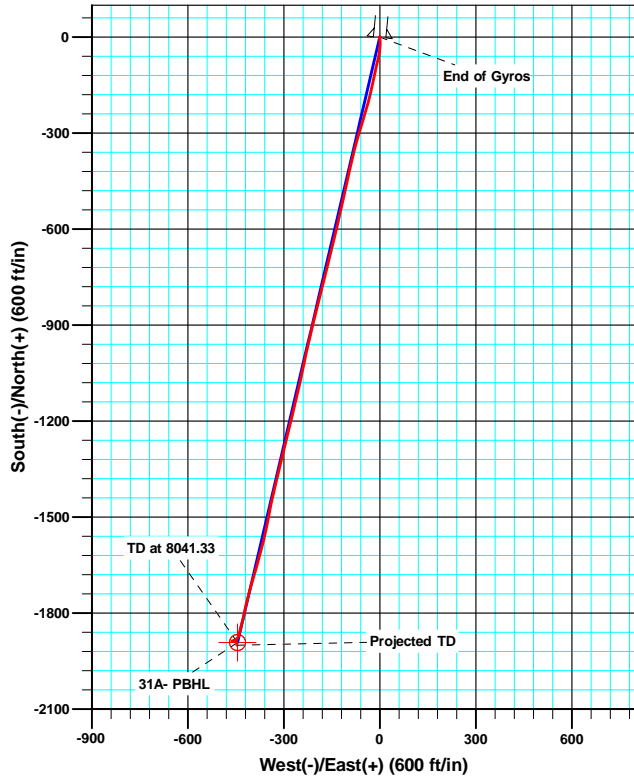
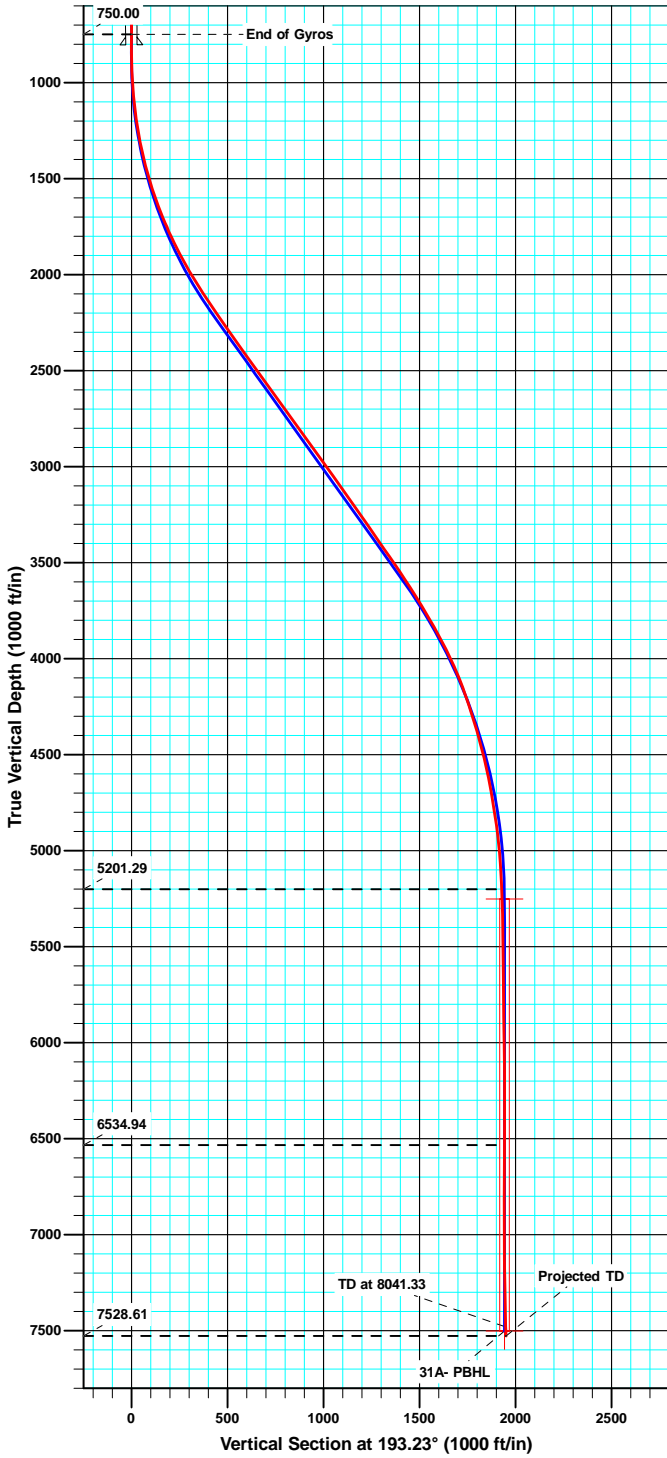


US State Plane 1983 North American Datum 1983 Colorado Central Zone

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1616752.88	2398994.78	39.507419	-107.630251



Ground Level: 5943.00 KB: 23'



Azimuths to True North
Magnetic North: 10.29°

Magnetic Field
Strength: 52386.4snT
Dip Angle: 65.84°
Date: 8/24/2010
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
750.00	750.00	0.04	110.58	0.11	-0.51	0.01	1.60	End of Gyros
5201.29	5710.00	1.80	221.20-1877.16	-444.23	1929.00	1933.06		As of Nov 27
6534.94	7044.00	0.70	206.30-1888.47	-460.75	1943.79	1961.40		As of Nov 28
7528.61	8038.00	2.40	170.10-1899.70	-446.64	1951.50	1986.41		Projected TD

Sharewell Survey Report

Company: Bill Barrett Corp. (II)	Local Co-ordinate Reference: Well Werner 31A-26-692
Project: Garfield County, Colorado [NAD83]	TVD Reference: GL @ 5943.00ft
Site: Werner Pad	MD Reference: GL @ 5943.00ft
Well: Werner 31A-26-692	North Reference: True
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: Compass VM

Project Garfield County, Colorado [NAD83]		
Map System: US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum: North American Datum 1983		
Map Zone: Colorado Central Zone		

Site Werner Pad					
Site Position:		Northing:	1,616,752.90 usft	Latitude:	39.507419
From: Lat/Long		Easting:	2,398,994.50 usft	Longitude:	-107.630252
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.34 °

Well Werner 31A-26-692						
Well Position	+N/-S	0.00 ft	Northing:	1,616,752.88 usft	Latitude:	39.507419
	+E/-W	0.00 ft	Easting:	2,398,994.78 usft	Longitude:	-107.630251
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,943.00 ft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	8/24/2010	(°)	(°)	(nT)
			10.29	65.84	52,386

Design Wellbore #1					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	193.23	

Survey Program		Date	12/1/2011		
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
50.00	750.00	Gyro Surveys (Wellbore #1)	Gyro	Gyro	
859.00	8,038.00	MWD (Wellbore #1)	MWD	MWD - Standard	

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
50.00	0.38	245.78	50.00	-0.07	-0.15	0.10	0.76	0.76	0.00	
100.00	0.17	334.73	100.00	-0.07	-0.33	0.14	0.83	-0.42	177.90	
150.00	0.13	58.54	150.00	0.03	-0.32	0.05	0.41	-0.08	167.62	
200.00	0.24	181.63	200.00	-0.05	-0.27	0.11	0.66	0.22	246.18	
250.00	0.21	314.46	250.00	-0.09	-0.34	0.16	0.83	-0.06	265.66	
300.00	0.08	5.43	300.00	0.01	-0.40	0.08	0.34	-0.26	101.94	
350.00	0.03	113.35	350.00	0.04	-0.39	0.05	0.19	-0.10	215.84	
400.00	0.05	180.15	400.00	0.01	-0.38	0.07	0.09	0.04	133.60	
450.00	0.07	329.78	450.00	0.02	-0.39	0.07	0.23	0.04	299.26	

Sharewell Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Werner 31A-26-692
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	GL @ 5943.00ft
Site:	Werner Pad	MD Reference:	GL @ 5943.00ft
Well:	Werner 31A-26-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	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)
500.00	0.05	140.74	500.00	0.03	-0.39	0.06	0.24	-0.04	341.92
550.00	0.20	279.53	550.00	0.03	-0.46	0.08	0.48	0.30	277.58
600.00	0.06	107.08	600.00	0.03	-0.53	0.09	0.52	-0.28	-344.90
650.00	0.04	278.60	650.00	0.03	-0.52	0.09	0.20	-0.04	343.04
700.00	0.10	4.19	700.00	0.07	-0.53	0.05	0.21	0.12	171.18
750.00	0.04	110.58	750.00	0.11	-0.51	0.01	0.24	-0.12	212.78
859.00	0.50	190.20	859.00	-0.37	-0.56	0.49	0.45	0.42	73.05
951.00	2.90	168.40	950.95	-3.05	-0.16	3.00	2.66	2.61	-23.70
1,044.00	5.30	175.20	1,043.71	-9.63	0.67	9.22	2.63	2.58	7.31
1,136.00	6.40	177.50	1,135.23	-18.99	1.25	18.20	1.22	1.20	2.50
1,231.00	9.30	187.00	1,229.33	-31.90	0.54	30.93	3.33	3.05	10.00
1,327.00	11.30	187.50	1,323.78	-48.93	-1.63	48.00	2.09	2.08	0.52
1,422.00	14.30	193.50	1,416.41	-69.57	-5.58	69.00	3.45	3.16	6.32
1,517.00	16.80	193.60	1,507.93	-94.32	-11.55	94.47	2.63	2.63	0.11
1,613.00	19.70	191.10	1,599.09	-123.69	-17.93	124.51	3.13	3.02	-2.60
1,708.00	21.40	193.30	1,688.04	-156.28	-25.00	157.85	1.97	1.79	2.32
1,803.00	24.40	193.90	1,775.54	-192.20	-33.71	194.81	3.17	3.16	0.63
1,899.00	26.70	196.60	1,862.15	-232.12	-44.63	236.18	2.68	2.40	2.81
1,994.00	29.20	196.70	1,946.07	-274.78	-57.39	280.62	2.63	2.63	0.11
2,089.00	31.80	196.00	2,027.91	-321.04	-70.95	328.76	2.76	2.74	-0.74
2,185.00	33.70	193.20	2,108.65	-371.29	-84.01	380.67	2.53	1.98	-2.92
2,280.00	33.70	192.70	2,187.69	-422.66	-95.82	433.37	0.29	0.00	-0.53
2,375.00	35.30	192.80	2,265.98	-475.14	-107.70	487.18	1.69	1.68	0.11
2,471.00	35.20	192.10	2,344.38	-529.24	-119.64	542.58	0.43	-0.10	-0.73
2,566.00	35.80	193.70	2,421.72	-583.01	-131.96	597.74	1.16	0.63	1.68
2,661.00	35.80	193.80	2,498.77	-636.99	-145.17	653.31	0.06	0.00	0.11
2,756.00	35.70	193.90	2,575.87	-690.88	-158.46	708.81	0.12	-0.11	0.11
2,852.00	35.70	192.60	2,653.83	-745.41	-171.29	764.83	0.79	0.00	-1.35
2,947.00	36.00	194.80	2,730.84	-799.45	-184.47	820.46	1.39	0.32	2.32
3,042.00	36.20	194.30	2,807.60	-853.63	-198.54	876.41	0.37	0.21	-0.53
3,138.00	35.80	193.30	2,885.26	-908.43	-212.00	932.84	0.74	-0.42	-1.04
3,233.00	35.80	193.10	2,962.31	-962.53	-224.69	988.41	0.12	0.00	-0.21
3,328.00	35.80	191.10	3,039.37	-1,016.86	-236.33	1,043.96	1.23	0.00	-2.11
3,424.00	35.20	192.50	3,117.52	-1,071.43	-247.73	1,099.69	1.05	-0.63	1.46
3,519.00	35.20	194.00	3,195.15	-1,124.73	-260.28	1,154.44	0.91	0.00	1.58
3,615.00	34.30	192.30	3,274.03	-1,178.01	-272.74	1,209.16	1.38	-0.94	-1.77
3,710.00	34.30	194.00	3,352.51	-1,230.13	-284.91	1,262.69	1.01	0.00	1.79
3,805.00	35.30	194.50	3,430.52	-1,282.68	-298.26	1,316.90	1.09	1.05	0.53
3,901.00	34.20	193.20	3,509.40	-1,335.80	-311.37	1,371.61	1.38	-1.15	-1.35
3,996.00	33.20	192.60	3,588.44	-1,387.18	-323.14	1,424.32	1.11	-1.05	-0.63
4,092.00	32.00	193.40	3,669.31	-1,437.58	-334.77	1,476.04	1.33	-1.25	0.83
4,187.00	31.50	191.50	3,750.09	-1,486.39	-345.55	1,526.02	1.18	-0.53	-2.00
4,282.00	29.60	190.80	3,831.90	-1,533.76	-354.89	1,574.27	2.03	-2.00	-0.74

Sharewell Survey Report

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Site:	Werner Pad	MD Reference:	GL @ 5943.00ft
Well:	Werner 31A-26-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	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)	
4,377.00	27.90	194.30	3,915.20	-1,578.35	-364.78	1,619.94	2.52	-1.79	3.68	
4,473.00	25.20	194.70	4,001.06	-1,619.89	-375.52	1,662.84	2.82	-2.81	0.42	
4,567.00	22.60	196.40	4,087.00	-1,656.58	-385.70	1,700.88	2.86	-2.77	1.81	
4,662.00	19.40	196.00	4,175.68	-1,689.27	-395.20	1,734.88	3.37	-3.37	-0.42	
4,758.00	17.80	195.90	4,266.66	-1,718.71	-403.62	1,765.46	1.67	-1.67	-0.10	
4,852.00	16.50	194.40	4,356.48	-1,745.45	-410.87	1,793.16	1.46	-1.38	-1.60	
4,948.00	14.50	194.60	4,448.98	-1,770.29	-417.30	1,818.81	2.08	-2.08	0.21	
5,043.00	13.90	189.10	4,541.08	-1,793.07	-422.10	1,842.08	1.55	-0.63	-5.79	
5,138.00	11.40	194.00	4,633.77	-1,813.45	-426.17	1,862.85	2.86	-2.63	5.16	
5,233.00	9.20	195.60	4,727.24	-1,829.88	-430.49	1,879.83	2.34	-2.32	1.68	
5,329.00	8.50	193.20	4,822.09	-1,844.18	-434.17	1,894.59	0.82	-0.73	-2.50	
5,424.00	6.70	191.20	4,916.25	-1,856.45	-436.85	1,907.16	1.91	-1.89	-2.11	
5,520.00	5.70	196.80	5,011.69	-1,866.51	-439.32	1,917.51	1.22	-1.04	5.83	
5,610.00	3.50	206.50	5,101.40	-1,873.24	-441.84	1,924.65	2.58	-2.44	10.78	
5,710.00	1.80	221.20	5,201.29	-1,877.16	-444.23	1,929.00	1.82	-1.70	14.70	
5,805.00	2.20	231.30	5,296.23	-1,879.42	-446.64	1,931.76	0.56	0.42	10.63	
5,901.00	0.40	203.20	5,392.20	-1,880.88	-448.21	1,933.54	1.93	-1.88	-29.27	
5,996.00	1.50	196.90	5,487.19	-1,882.38	-448.70	1,935.11	1.16	1.16	-6.63	
6,091.00	1.80	177.70	5,582.15	-1,885.06	-449.00	1,937.78	0.66	0.32	-20.21	
6,186.00	1.10	301.00	5,677.13	-1,886.08	-449.72	1,938.94	2.71	-0.74	129.79	
6,281.00	1.90	277.60	5,772.10	-1,885.40	-452.07	1,938.82	1.04	0.84	-24.63	
6,376.00	1.60	269.10	5,867.06	-1,885.21	-454.95	1,939.30	0.42	-0.32	-8.95	
6,472.00	2.30	245.80	5,963.00	-1,886.02	-458.05	1,940.80	1.09	0.73	-24.27	
6,567.00	1.00	279.50	6,057.96	-1,886.67	-460.61	1,942.01	1.65	-1.37	35.47	
6,662.00	0.40	184.20	6,152.96	-1,886.86	-461.45	1,942.39	1.17	-0.63	-100.32	
6,758.00	0.70	203.70	6,248.95	-1,887.73	-461.71	1,943.30	0.36	0.31	20.31	
6,853.00	0.60	71.60	6,343.95	-1,888.11	-461.47	1,943.61	1.25	-0.11	-139.05	
6,949.00	0.30	89.90	6,439.95	-1,887.95	-460.74	1,943.29	0.34	-0.31	19.06	
7,044.00	0.70	206.30	6,534.94	-1,888.47	-460.75	1,943.79	0.92	0.42	122.53	
7,139.00	0.40	169.70	6,629.94	-1,889.31	-460.95	1,944.66	0.47	-0.32	-38.53	
7,234.00	1.80	57.00	6,724.93	-1,888.83	-459.64	1,943.89	2.09	1.47	-118.63	
7,330.00	1.80	67.40	6,820.88	-1,887.43	-456.98	1,941.92	0.34	0.00	10.83	
7,425.00	1.40	84.10	6,915.84	-1,886.73	-454.45	1,940.66	0.64	-0.42	17.58	
7,520.00	1.40	146.70	7,010.82	-1,887.58	-452.66	1,941.08	1.53	0.00	65.89	
7,615.00	1.60	144.20	7,105.79	-1,889.63	-451.25	1,942.75	0.22	0.21	-2.63	
7,711.00	1.70	123.70	7,201.75	-1,891.51	-449.28	1,944.13	0.62	0.10	-21.35	
7,806.00	1.10	156.20	7,296.72	-1,893.12	-447.74	1,945.35	1.02	-0.63	34.21	
7,900.00	1.20	177.90	7,390.70	-1,894.93	-447.34	1,947.02	0.47	0.11	23.09	
7,991.00	2.40	170.10	7,481.65	-1,897.76	-446.97	1,949.69	1.34	1.32	-8.57	
8,038.00	2.40	170.10	7,528.61	-1,899.70	-446.64	1,951.50	0.00	0.00	0.00	

Sharewell
Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well Werner 31A-26-692
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	GL @ 5943.00ft
Site:	Werner Pad	MD Reference:	GL @ 5943.00ft
Well:	Werner 31A-26-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)	
804.00	804.00	9 5/8"	0.80	1.02	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
750.00	750.00	0.11	-0.51	End of Gyros	
5,710.00	5,201.29	-1,877.16	-444.23	As of Nov 27	
7,044.00	6,534.94	-1,888.47	-460.75	As of Nov 28	
8,038.00	7,528.61	-1,899.70	-446.64	Projected TD	

Checked By: _____ Approved By: _____ Date: _____

SDI Job #: 20111120
 COMPANY: BILL BARRETT CORP
 LOCATION: Silt
 RIG NAME: Patterson 307
 STATE: Colorado
 COUNTY: Garfield
 WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
 Sec-Twn-Rng:
 AFE# & District



COMMENT		

BHA Summary Report for JOB

#	TIME IN - OUT			DEPTHS		Footage			ROP			RPM	FLOW Rate	Incl.		Azimuth		Weight Ranges		
	Time IN	Time Out	Hrs.	IN	OUT	Rotary	Slide	Total	AVG.	Rotary	Slide			IN	OUT	IN	OUT	SO	PU	RAB
1	24-Nov-11 @ 07:00	26-Nov-11 @ 24:00	65.00	820.0	5680.0	4326.0	534.0	4860.0	233.65	274.1	106.4	0-48	385-585	.0	.0	.0	.0	65-99	75-155	70-115
			Hours>	15.78	5.02	20.80														

Sec. 56M 5X14
 O.D.=8.5
 Length=1

12 Stds. HWDP
 O.D.=6 1/2
 Length=1106.77



6 1/2" Fixed. Motor
 O.D.=6 1/2
 Length=31.46

UBHO
 O.D.=6 3/8
 Length=2.97

NMDC
 O.D.=6 5/16
 Length=29.97

Gap Sub
 O.D.=6 3/8
 Length=4.47

NMDC
 O.D.=6 1/8
 Length=29.73

#	TIME IN - OUT			DEPTHS		Footage			ROP			RPM	FLOW Rate	Incl.		Azimuth		Weight Ranges		
	Time IN	Time Out	Hrs.	IN	OUT	Rotary	Slide	Total	AVG.	Rotary	Slide			IN	OUT	IN	OUT	SO	PU	RAB
2	27-Nov-11 @ 00:00	28-Nov-11 @ 02:35	26.58	5680.0	7781.0	1946.0	155.0	2101.0	102.40	109.8	55.4	0-48	585-585	.0	.0	.0	.0	99-125	155-250	115-175
			Hours>	17.72	2.80	20.52														

Sec. 7 7/8, FX85M, 6x16 jets
 O.D.=7 7/8
 Length=1

12 Stds. HWDP
 O.D.=6 1/2
 Length=1106.77



6 1/2" Fixed. Motor
 O.D.=6 1/2
 Length=31.46

UBHO
 O.D.=6 3/8
 Length=2.97

NMDC
 O.D.=6 5/16
 Length=29.97

Gap Sub
 O.D.=6 3/8
 Length=4.47

NMDC
 O.D.=6 1/8
 Length=29.73

Well Information

BHA # 1

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Garfield
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
PO #/ DISTRICT:
Lead DD: Jason Cook
Co. Man: Curtis Crowton
BHA TYPE: Steerable Assembly

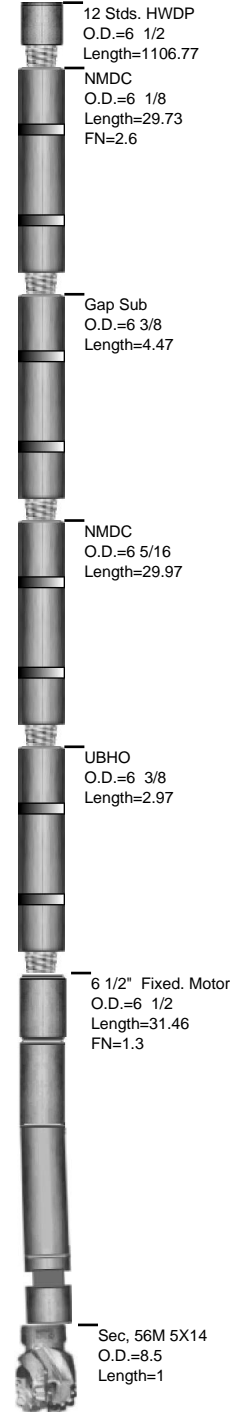
BHA Summary Information

TIME IN - OUT		Rotary Hours	15.78	Start Depth	820.00	RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only	23.88 / 3.08	End Depth	5680.00	Range	Rate
24-Nov-11 @ 07:00	26-Nov-11 @ 24:00	Slide Hours	5.02	Percent Rotary:	89.01	0 -48	385 -585
		Below Rotary Hrs.	65.00	Percent Slide:	10.99		
Total Drilled:		4860.00	Avg. Total ROP:	233.65	Incl.	Azimuth	
Total Rotary Drilled:		4326.00	Avg. Rotary ROP:	274.09	IN	OUT	IN
Total Drilled Sliding:		534.00	Avg. Slide ROP:	106.45	.0	.0	.00
SPP	850 -2900	Weights	SO	65 -99	PU	75 -155	RAB
					70 -115	Reason POOH	

Bit Data				Motor Data				Mud Data						
Security	Sec, 56M 5X14			6.5, 7/8, 3.3, 1.83 Bend, .16 Rev Fixed				Type	LSND					
Type Bit	PDC			Model:	650			Pad OD						
TFA	0.751			MFG.	Hunting			6 5/8	WT	9.5	GAS	0	Solids	6
JETS	14	14	14	Bend °	1.83	Stator/Rotor	7/8	Vis	44	SAND	0.2	T °	0	
	0	0	0	Bit to Bend	6.15	Motor Diff		PV	14	PH	9.8	Chlor	600	
Bit Coding	IADC#			Rev/GAL	0.16			YP	12	WL	5.4	Oil %	0	
IR	OR	DL	Loc	BS	G	ODL	NB Stab	0	Pumps		PUMP1	PUMP1		
0	0						Rotor Jet	0	NAME					
Bit Drop: 531 PSI @ 585 GPM				Sensor Offsets				Model						
Comments				Sensor	47	Sonic	0	Type						
				Gamma	0	DNCS	820	Liner					.00	
				Restiv	0	GYRO	0	Stroke					.00	
				Efficiency							.00			

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Sec, 56M 5X14	11880493		8.5	1.00	1.00	4 1/2 REGP
2	6 1/2" Fixed. Motor	6199		6 1/2	31.46	32.46	4 1/2 XHB
3	UBHO	UB-xxx-1	2 7/8	6 3/8	2.97	35.43	4 1/2 XHB
4	NMDC	650300080	3 1/4	6 5/16	29.97	65.40	4 1/2 XHB
5	Gap Sub	G-65-035	3 1/4	6 3/8	4.47	69.87	4 1/2 XHB
6	NMDC	AWS650300307	3 1/4	6 1/8	29.73	99.60	4 1/2 XHB
7	12 Stds. HWDP	Rig	2 3/4	6 1/2	1,106.77	1206.37	4 1/2 XHB



Well Information

BHA # 2

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Garfield
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
PO #/ DISTRICT
Lead DD: Jason Cook
Co. Man: Curtis Crowton
BHA TYPE: Steerable Assembly

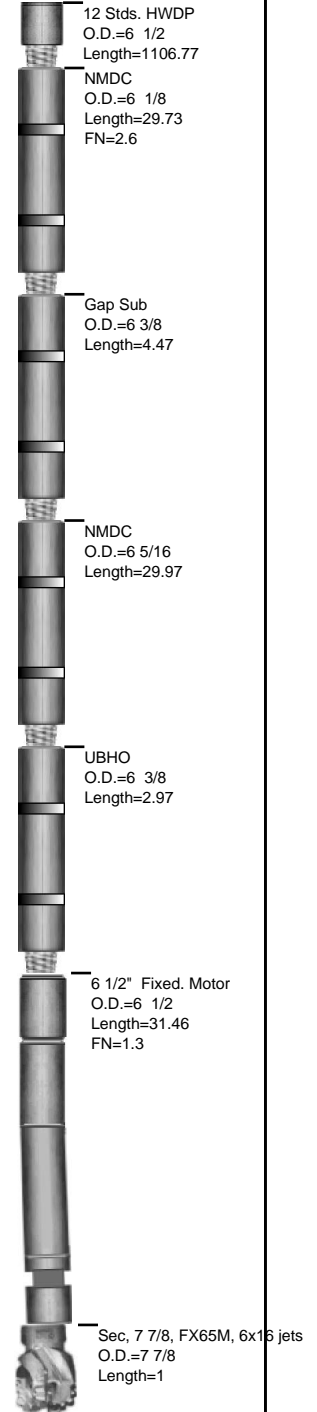
BHA Summary Information

TIME IN - OUT		Rotary Hours	17.72	Start Depth	5680.00	RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only	20.95 / .43	End Depth	7781.00	Range	Rate
27-Nov-11 @ 00:00	28-Nov-11 @ 02:35	Slide Hours	2.80	Percent Rotary:	92.62	0 -48	585 -585
		Below Rotary Hrs.	26.58	Percent Slide:	7.38		
Total Drilled:		2101.00	Avg. Total ROP:	102.40	Incl.	Azimuth	
Total Rotary Drilled:		1946.00	Avg. Rotary ROP:	109.84	IN	OUT	IN
Total Drilled Sliding:		155.00	Avg. Slide ROP:	55.36	.0	.0	.00
SPP	2900 -3190	Weights	SO	99 -125	PU	155 -250	RAB
				115 -175	Reason POOH		

Bit Data				Motor Data				Mud Data				
Security	Sec, 7 7/8, FX65M, 6x16 jets			6.5, 7/8, 3.3, 1.83 Bend, .16 Rev Fixed				Type	LSND			
Type Bit	PDC			Model: 650	Pad OD			WT 10.1	GAS 200	Solids 8		
TFA	1.178			MFG. Hunting	6 5/8			Vis 41	SAND 0.5	T° 0		
JETS	16	16	16	Bend ° 1.83	Stator/Rotor 7/8	PV 14		PH 10.4	Chlor 600			
	16	0	0	Bit to Bend 6.15	Motor Diff	YP 16		WL 5.8	Oil % 0			
Bit Coding	IADC#			Rev/GAL 0.16	BHT° 0							
IR	OR	DL	Loc	BS	G	ODL	Pumps		PUMP1	PUMP1		
0	0						NAME					
Bit Drop: 229 PSI @ 585 GPM				Sensor Offsets				Type				
Comments				Sensor 47	Sonic 0	Liner		.00			.00	
				Gamma 0	DNCS 5680	Stroke		.00			.00	
				Restiv 0	GYRO 0	Efficiency		.00			.00	

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Sec, 7 7/8, FX65M, 6x16 jets	11880492		7 7/8	1.00	1.00	4 1/2 REGP
2	6 1/2" Fixed. Motor	6199		6 1/2	31.46	32.46	4 1/2 XHB
3	UBHO	UB-xxx-1	2 7/8	6 3/8	2.97	35.43	4 1/2 XHB
4	NMDC	650300080	3 1/4	6 5/16	29.97	65.40	4 1/2 XHB
5	Gap Sub	G-65-035	3 1/4	6 3/8	4.47	69.87	4 1/2 XHB
6	NMDC	AWS650300307	3 1/4	6 1/8	29.73	99.60	4 1/2 XHB
7	12 Stds. HWDP	Rig	2 3/4	6 1/2	1,106.77	1206.37	4 1/2 XHB

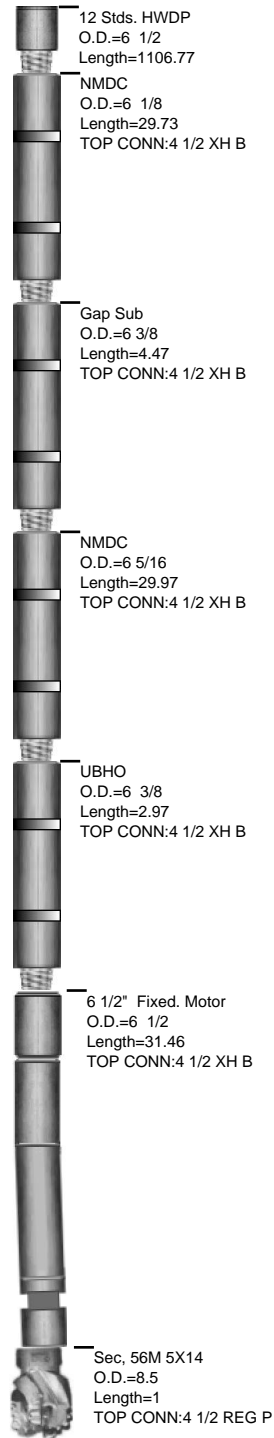


Well Information

BHA #

1

SDI Job #:	20111120	FIELD:	Mamm Creek
COMPANY:	BILL BARRETT CORP	Sec-Twn-Rng:	
LOCATION:	Silt	AFE# & District	
RIG NAME:	Patterson 307		
STATE:	Colorado		
COUNTY:	Garfield	BHA TYPE	Steerable Assembly
WELL NAME:	Werner 31A-26-692		



SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Country
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc:	6.5, 7/8, 3.3, 1.83 Bend, .16 Rev Fixed
Bent Hsg/Sub:	Motor 1.8 / 0 Bit to Bend: 6.15
PAD OD:	3 / 6 5/8 NB Stab:

Slide Report for all BHA's in Job: 20111120

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	25-Nov	Drilling	15:55	16:20	0.42	820	867	47	14	112.8	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Drilling	17:15	17:25	0.17	867	929	62	14	372.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Sliding	17:30	17:34	0.07	929	944	15	14	225.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Drilling	17:34	17:41	0.12	944	1021	77	14	660.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Sliding	17:46	17:50	0.07	1021	1036	15	14	225.0	0	9	585	2250	190	0.00	0.00	0.00	
1	25-Nov	Drilling	17:50	17:58	0.13	1036	1114	78	14	585.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:03	18:10	0.12	1114	1129	15	14	128.6	0	9	585	2250	30R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:10	18:20	0.17	1129	1206	77	14	462.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:25	18:35	0.17	1206	1226	20	14	120.0	0	9	585	2250	40R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:35	18:45	0.17	1226	1301	75	14	450.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:50	18:57	0.12	1301	1316	15	14	128.6	0	9	585	2250	15R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:57	19:04	0.12	1316	1397	81	14	694.3	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	19:09	19:15	0.10	1397	1419	22	14	220.0	0	9	585	2250	35R	0.00	0.00	0.00	
1	25-Nov	Drilling	19:15	19:23	0.13	1419	1492	73	14	547.5	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	19:28	19:42	0.23	1492	1587	95	14	407.1	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	19:47	19:53	0.10	1587	1607	20	14	200.0	0	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	19:53	20:03	0.17	1607	1683	76	14	456.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:08	20:14	0.10	1683	1703	20	14	200.0	0	9	585	2500	30R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:14	20:23	0.15	1703	1778	75	14	500.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:28	20:35	0.12	1778	1803	25	14	214.3	47	9	585	2500	20R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:35	20:43	0.13	1803	1873	70	14	525.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:48	20:55	0.12	1873	1895	22	14	188.6	0	9	585	2500	25R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:55	21:03	0.13	1895	1969	74	14	555.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:08	21:15	0.12	1969	1994	25	14	214.3	0	9	585	2500	10R	0.00	0.00	0.00	
1	25-Nov	Drilling	21:15	21:24	0.15	1994	2064	70	14	466.7	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:29	21:37	0.13	2064	2089	25	14	187.5	0	9	585	2500		0.00	0.00	0.00	

Slide Report for all BHA's in Job: 20111120

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	25-Nov	Drilling	21:37	21:44	0.12	2089	2159	70	14	600.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:49	21:55	0.10	2159	2174	15	14	150.0	0	9	585	2500	30L	0.00	0.00	0.00	
1	25-Nov	Drilling	21:55	22:04	0.15	2174	2255	81	14	540.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	22:09	22:20	0.18	2255	2350	95	14	518.2	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	22:25	22:30	0.08	2350	2365	15	14	180.0	0	9	585	2500	10R	0.00	0.00	0.00	
1	25-Nov	Drilling	22:30	22:40	0.17	2365	2445	80	14	480.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	23:30	23:46	0.27	2445	2541	96	14	360.0	47	9	585	2500		0.00	0.00	0.00	
1	26-Nov	Sliding	00:56	01:02	0.10	2541	2556	15	25	150.0	0	9	585	2500	70R	0.00	0.00	0.00	
1	26-Nov	Drilling	01:02	01:12	0.17	2556	2636	80	25	480.0	47	9	585	2500		0.00	0.00	0.00	
1	26-Nov	Drilling	01:17	01:30	0.22	2636	2731	95	25	438.5	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	01:35	01:48	0.22	2731	2826	95	25	438.5	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	01:53	02:08	0.25	2826	2922	96	25	384.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	02:13	02:20	0.12	2922	2937	15	25	128.6	0	9	585	2600	75R	0.00	0.00	0.00	
1	26-Nov	Drilling	02:20	02:30	0.17	2937	3017	80	25	480.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	02:35	02:47	0.20	3017	3112	95	25	475.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	02:53	03:08	0.25	3112	3208	96	25	384.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	03:12	03:29	0.28	3208	3303	95	25	335.3	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	03:34	03:55	0.35	3303	3398	95	25	271.4	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	04:00	04:10	0.17	3398	3413	15	25	90.0	0	9	585	2600	110R	0.00	0.00	0.00	
1	26-Nov	Drilling	04:10	04:19	0.15	3413	3494	81	25	540.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	04:24	04:31	0.12	3494	3506	12	25	102.9	0	9	585	2600	70R	0.00	0.00	0.00	
1	26-Nov	Drilling	04:31	04:42	0.18	3506	3589	83	25	452.7	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	04:47	05:00	0.22	3589	3685	96	25	443.1	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	05:05	05:15	0.17	3685	3703	18	25	108.0	0	9	585	2600	50R	0.00	0.00	0.00	
1	26-Nov	Drilling	05:15	05:27	0.20	3703	3780	77	25	385.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	05:32	05:45	0.22	3780	3800	20	25	92.3	0	9	585	2600	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	05:45	06:00	0.25	3800	3875	75	25	300.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	06:07	06:29	0.37	3875	3971	96	26	261.8	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	06:34	07:07	0.55	3971	4066	95	26	172.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	07:12	07:36	0.40	4066	4162	96	26	240.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	07:40	07:57	0.28	4162	4257	95	26	335.3	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	08:04	08:10	0.10	4257	4269	12	25	120.0	48	16	585	2900	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	08:10	08:25	0.25	4269	4352	83	26	332.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	08:31	08:41	0.17	4352	4367	15	25	90.0	48	16	585	2900	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	08:41	09:00	0.32	4367	4447	80	26	252.6	48	16	585	2900		0.00	0.00	0.00	

Slide Report for all BHA's in Job: 20111120

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	26-Nov	Sliding	09:05	09:17	0.20	4447	4460	13	25	65.0	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	09:17	09:35	0.30	4460	4543	83	26	276.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	09:41	09:49	0.13	4543	4556	13	25	97.5	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	09:49	10:14	0.42	4556	4637	81	26	194.4	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	10:20	10:27	0.12	4637	4647	10	25	85.7	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	10:27	10:50	0.38	4647	4732	85	26	221.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	10:57	11:20	0.38	4732	4828	96	26	250.4	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	11:31	11:54	0.38	4828	4922	94	26	245.2	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	11:59	12:06	0.12	4922	4930	8	25	68.6	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	12:06	12:30	0.40	4930	5018	88	26	220.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	12:40	13:17	0.62	5018	5113	95	26	154.1	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	13:22	13:33	0.18	5113	5128	15	25	81.8	48	16	585	2900	165	0.00	0.00	0.00	
1	26-Nov	Drilling	13:33	13:59	0.43	5128	5208	80	26	184.6	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	14:27	14:37	0.17	5208	5219	11	25	66.0	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	14:37	15:10	0.55	5219	5303	84	26	152.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	15:16	15:56	0.67	5303	5399	96	26	144.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	16:02	16:20	0.30	5399	5415	16	25	53.3	48	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	16:20	17:10	0.83	5415	5494	79	26	94.8	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	17:15	17:40	0.42	5494	5514	20	25	48.0	48	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	17:40	18:37	0.95	5514	5590	76	26	80.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	18:42	19:26	0.73	5590	5627	37	25	50.5	0	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	19:26	20:22	0.93	5627	5680	53	26	56.8	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Drilling	03:20	03:35	0.25	5680	5685	5	26	20.0	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Sliding	03:35	04:02	0.45	5685	5705	20	25	44.4	48	16	585	2900	150R	0.00	0.00	0.00	
2	27-Nov	Drilling	04:02	04:35	0.55	5705	5780	75	26	136.4	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Drilling	04:40	05:14	0.57	5780	5875	95	26	167.6	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Sliding	05:19	05:33	0.23	5875	5892	17	25	72.9	0	16	585	2900	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	05:33	06:07	0.57	5892	5971	79	26	139.4	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Drilling	06:12	06:43	0.52	5971	6066	95	28	183.9	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	06:51	07:27	0.60	6066	6161	95	28	158.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	07:33	07:54	0.35	6161	6181	20	25	57.1	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	07:54	08:23	0.48	6181	6256	75	28	155.2	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	08:30	09:04	0.57	6256	6351	95	28	167.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	09:14	09:55	0.68	6351	6446	95	28	139.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	10:05	10:41	0.60	6446	6542	96	28	160.0	48	18	585	3190		0.00	0.00	0.00	

Slide Report for all BHA's in Job: 20111120

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	27-Nov	Sliding	10:48	11:05	0.28	6542	6558	16	25	56.5	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	11:05	11:38	0.55	6558	6637	79	28	143.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	11:44	11:58	0.23	6637	6652	15	25	64.3	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	11:58	12:34	0.60	6652	6732	80	28	133.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	12:40	13:11	0.52	6732	6828	96	28	185.8	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	13:17	13:32	0.25	6828	6845	17	25	68.0	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	13:32	14:02	0.50	6845	6923	78	28	156.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	14:09	14:56	0.78	6923	7019	96	28	122.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	15:05	16:02	0.95	7019	7114	95	28	100.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	16:08	16:34	0.43	7114	7134	20	25	46.2	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	16:34	17:00	0.43	7134	7209	75	28	173.1	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	17:31	18:05	0.57	7209	7239	30	25	52.9	0	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	18:05	18:53	0.80	7239	7304	65	28	81.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	18:58	20:00	1.03	7304	7400	96	28	92.9	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	20:05	21:21	1.27	7400	7495	95	28	75.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	21:26	22:30	1.07	7495	7590	95	28	89.1	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	22:35	23:46	1.18	7590	7685	95	28	80.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	23:51	24:00	0.15	7685	7690	5	28	33.3	48	18	585	3190		0.00	0.00	0.00	
2	28-Nov	Drilling	00:00	02:30	2.50	7690	7781	91	28	36.4	48	18	585	3190		0.00	0.00	0.00	

Total Drilled:		6961	Avg. Total ROP:		168.48	DEPTH% - TIME %														
Total Rotary Drilled:		6272	Avg. Rotary ROP:		187.22	Percent Rotary:		90.10 - 81.08												
Total Drilled Sliding:		689	Avg. Slide ROP:		88.15	Percent Slide:		9.90 - 18.92												

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Country
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc:	6.5, 7/8, 3.3, 1.83 Bend, .16 Rev Fixed
Bent Hsg/Sub:	Motor 1.8 / 0 Bit to Bend: 6.15
PAD OD:	3 / 6 5/8 NB Stab:

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	25-Nov	Drilling	15:55	16:20	0.42	820	867	47	14	112.8	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Drilling	17:15	17:25	0.17	867	929	62	14	372.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Sliding	17:30	17:34	0.07	929	944	15	14	225.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Drilling	17:34	17:41	0.12	944	1021	77	14	660.0	47	9	385	850		0.00	0.00	0.00	
1	25-Nov	Sliding	17:46	17:50	0.07	1021	1036	15	14	225.0	0	9	585	2250	190	0.00	0.00	0.00	
1	25-Nov	Drilling	17:50	17:58	0.13	1036	1114	78	14	585.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:03	18:10	0.12	1114	1129	15	14	128.6	0	9	585	2250	30R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:10	18:20	0.17	1129	1206	77	14	462.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:25	18:35	0.17	1206	1226	20	14	120.0	0	9	585	2250	40R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:35	18:45	0.17	1226	1301	75	14	450.0	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	18:50	18:57	0.12	1301	1316	15	14	128.6	0	9	585	2250	15R	0.00	0.00	0.00	
1	25-Nov	Drilling	18:57	19:04	0.12	1316	1397	81	14	694.3	47	9	585	2250		0.00	0.00	0.00	
1	25-Nov	Sliding	19:09	19:15	0.10	1397	1419	22	14	220.0	0	9	585	2250	35R	0.00	0.00	0.00	
1	25-Nov	Drilling	19:15	19:23	0.13	1419	1492	73	14	547.5	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	19:28	19:42	0.23	1492	1587	95	14	407.1	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	19:47	19:53	0.10	1587	1607	20	14	200.0	0	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	19:53	20:03	0.17	1607	1683	76	14	456.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:08	20:14	0.10	1683	1703	20	14	200.0	0	9	585	2500	30R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:14	20:23	0.15	1703	1778	75	14	500.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:28	20:35	0.12	1778	1803	25	14	214.3	47	9	585	2500	20R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:35	20:43	0.13	1803	1873	70	14	525.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	20:48	20:55	0.12	1873	1895	22	14	188.6	0	9	585	2500	25R	0.00	0.00	0.00	
1	25-Nov	Drilling	20:55	21:03	0.13	1895	1969	74	14	555.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:08	21:15	0.12	1969	1994	25	14	214.3	0	9	585	2500	10R	0.00	0.00	0.00	
1	25-Nov	Drilling	21:15	21:24	0.15	1994	2064	70	14	466.7	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:29	21:37	0.13	2064	2089	25	14	187.5	0	9	585	2500		0.00	0.00	0.00	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	25-Nov	Drilling	21:37	21:44	0.12	2089	2159	70	14	600.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	21:49	21:55	0.10	2159	2174	15	14	150.0	0	9	585	2500	30L	0.00	0.00	0.00	
1	25-Nov	Drilling	21:55	22:04	0.15	2174	2255	81	14	540.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	22:09	22:20	0.18	2255	2350	95	14	518.2	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Sliding	22:25	22:30	0.08	2350	2365	15	14	180.0	0	9	585	2500	10R	0.00	0.00	0.00	
1	25-Nov	Drilling	22:30	22:40	0.17	2365	2445	80	14	480.0	47	9	585	2500		0.00	0.00	0.00	
1	25-Nov	Drilling	23:30	23:46	0.27	2445	2541	96	14	360.0	47	9	585	2500		0.00	0.00	0.00	
1	26-Nov	Sliding	00:56	01:02	0.10	2541	2556	15	25	150.0	0	9	585	2500	70R	0.00	0.00	0.00	
1	26-Nov	Drilling	01:02	01:12	0.17	2556	2636	80	25	480.0	47	9	585	2500		0.00	0.00	0.00	
1	26-Nov	Drilling	01:17	01:30	0.22	2636	2731	95	25	438.5	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	01:35	01:48	0.22	2731	2826	95	25	438.5	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	01:53	02:08	0.25	2826	2922	96	25	384.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	02:13	02:20	0.12	2922	2937	15	25	128.6	0	9	585	2600	75R	0.00	0.00	0.00	
1	26-Nov	Drilling	02:20	02:30	0.17	2937	3017	80	25	480.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	02:35	02:47	0.20	3017	3112	95	25	475.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	02:53	03:08	0.25	3112	3208	96	25	384.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	03:12	03:29	0.28	3208	3303	95	25	335.3	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	03:34	03:55	0.35	3303	3398	95	25	271.4	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	04:00	04:10	0.17	3398	3413	15	25	90.0	0	9	585	2600	110R	0.00	0.00	0.00	
1	26-Nov	Drilling	04:10	04:19	0.15	3413	3494	81	25	540.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	04:24	04:31	0.12	3494	3506	12	25	102.9	0	9	585	2600	70R	0.00	0.00	0.00	
1	26-Nov	Drilling	04:31	04:42	0.18	3506	3589	83	25	452.7	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	04:47	05:00	0.22	3589	3685	96	25	443.1	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	05:05	05:15	0.17	3685	3703	18	25	108.0	0	9	585	2600	50R	0.00	0.00	0.00	
1	26-Nov	Drilling	05:15	05:27	0.20	3703	3780	77	25	385.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Sliding	05:32	05:45	0.22	3780	3800	20	25	92.3	0	9	585	2600	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	05:45	06:00	0.25	3800	3875	75	25	300.0	47	9	585	2600		0.00	0.00	0.00	
1	26-Nov	Drilling	06:07	06:29	0.37	3875	3971	96	26	261.8	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	06:34	07:07	0.55	3971	4066	95	26	172.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	07:12	07:36	0.40	4066	4162	96	26	240.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	07:40	07:57	0.28	4162	4257	95	26	335.3	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	08:04	08:10	0.10	4257	4269	12	25	120.0	48	16	585	2900	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	08:10	08:25	0.25	4269	4352	83	26	332.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	08:31	08:41	0.17	4352	4367	15	25	90.0	48	16	585	2900	10R	0.00	0.00	0.00	
1	26-Nov	Drilling	08:41	09:00	0.32	4367	4447	80	26	252.6	48	16	585	2900		0.00	0.00	0.00	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	26-Nov	Sliding	09:05	09:17	0.20	4447	4460	13	25	65.0	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	09:17	09:35	0.30	4460	4543	83	26	276.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	09:41	09:49	0.13	4543	4556	13	25	97.5	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	09:49	10:14	0.42	4556	4637	81	26	194.4	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	10:20	10:27	0.12	4637	4647	10	25	85.7	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	10:27	10:50	0.38	4647	4732	85	26	221.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	10:57	11:20	0.38	4732	4828	96	26	250.4	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	11:31	11:54	0.38	4828	4922	94	26	245.2	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	11:59	12:06	0.12	4922	4930	8	25	68.6	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	12:06	12:30	0.40	4930	5018	88	26	220.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	12:40	13:17	0.62	5018	5113	95	26	154.1	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	13:22	13:33	0.18	5113	5128	15	25	81.8	48	16	585	2900	165	0.00	0.00	0.00	
1	26-Nov	Drilling	13:33	13:59	0.43	5128	5208	80	26	184.6	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	14:27	14:37	0.17	5208	5219	11	25	66.0	48	16	585	2900	180	0.00	0.00	0.00	
1	26-Nov	Drilling	14:37	15:10	0.55	5219	5303	84	26	152.7	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Drilling	15:16	15:56	0.67	5303	5399	96	26	144.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	16:02	16:20	0.30	5399	5415	16	25	53.3	48	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	16:20	17:10	0.83	5415	5494	79	26	94.8	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	17:15	17:40	0.42	5494	5514	20	25	48.0	48	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	17:40	18:37	0.95	5514	5590	76	26	80.0	48	16	585	2900		0.00	0.00	0.00	
1	26-Nov	Sliding	18:42	19:26	0.73	5590	5627	37	25	50.5	0	16	585	2900	150R	0.00	0.00	0.00	
1	26-Nov	Drilling	19:26	20:22	0.93	5627	5680	53	26	56.8	48	16	585	2900		0.00	0.00	0.00	

Total Drilled:	4860	Avg. Total ROP:	233.65	DEPTH% - TIME %	
Total Rotary Drilled:	4326	Avg. Rotary ROP:	274.09	Percent Rotary:	89.01 - 75.88
Total Drilled Sliding:	534	Avg. Slide ROP:	106.45	Percent Slide:	10.99 - 24.12

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Country
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc:	6.5, 7/8, 3.3, 1.83 Bend, .16 Rev Fixed
Motor Bent Hsg/Sub:	1.8 / 0
PAD OD:	6 5/8
Bit to Bend:	6.15
NB Stab:	

Slide Report for BHA # 2

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	27-Nov	Drilling	03:20	03:35	0.25	5680	5685	5	26	20.0	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Sliding	03:35	04:02	0.45	5685	5705	20	25	44.4	48	16	585	2900	150R	0.00	0.00	0.00	
2	27-Nov	Drilling	04:02	04:35	0.55	5705	5780	75	26	136.4	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Drilling	04:40	05:14	0.57	5780	5875	95	26	167.6	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Sliding	05:19	05:33	0.23	5875	5892	17	25	72.9	0	16	585	2900	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	05:33	06:07	0.57	5892	5971	79	26	139.4	48	16	585	2900		0.00	0.00	0.00	
2	27-Nov	Drilling	06:12	06:43	0.52	5971	6066	95	28	183.9	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	06:51	07:27	0.60	6066	6161	95	28	158.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	07:33	07:54	0.35	6161	6181	20	25	57.1	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	07:54	08:23	0.48	6181	6256	75	28	155.2	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	08:30	09:04	0.57	6256	6351	95	28	167.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	09:14	09:55	0.68	6351	6446	95	28	139.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	10:05	10:41	0.60	6446	6542	96	28	160.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	10:48	11:05	0.28	6542	6558	16	25	56.5	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	11:05	11:38	0.55	6558	6637	79	28	143.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	11:44	11:58	0.23	6637	6652	15	25	64.3	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	11:58	12:34	0.60	6652	6732	80	28	133.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	12:40	13:11	0.52	6732	6828	96	28	185.8	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	13:17	13:32	0.25	6828	6845	17	25	68.0	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	13:32	14:02	0.50	6845	6923	78	28	156.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	14:09	14:56	0.78	6923	7019	96	28	122.6	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	15:05	16:02	0.95	7019	7114	95	28	100.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	16:08	16:34	0.43	7114	7134	20	25	46.2	48	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	16:34	17:00	0.43	7134	7209	75	28	173.1	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Sliding	17:31	18:05	0.57	7209	7239	30	25	52.9	0	18	585	3190	50M	0.00	0.00	0.00	
2	27-Nov	Drilling	18:05	18:53	0.80	7239	7304	65	28	81.3	48	18	585	3190		0.00	0.00	0.00	

Slide Report for BHA # 2

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
2	27-Nov	Drilling	18:58	20:00	1.03	7304	7400	96	28	92.9	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	20:05	21:21	1.27	7400	7495	95	28	75.0	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	21:26	22:30	1.07	7495	7590	95	28	89.1	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	22:35	23:46	1.18	7590	7685	95	28	80.3	48	18	585	3190		0.00	0.00	0.00	
2	27-Nov	Drilling	23:51	24:00	0.15	7685	7690	5	28	33.3	48	18	585	3190		0.00	0.00	0.00	
2	28-Nov	Drilling	00:00	02:30	2.50	7690	7781	91	28	36.4	48	18	585	3190		0.00	0.00	0.00	

Total Drilled:		2101	Avg. Total ROP:		102.40	DEPTH% - TIME %														
Total Rotary Drilled:		1946	Avg. Rotary ROP:		109.84	Percent Rotary:		92.62 - 86.35												
Total Drilled Sliding:		155	Avg. Slide ROP:		55.36	Percent Slide:		7.38 - 13.65												

SDI Job #:	20111120
COMPANY:	BILL BARRETT CORP
LOCATION:	Silt
RIG NAME:	Patterson 307
STATE:	Colorado
COUNTY:	USA
WELL NAME:	Werner 31A-26-692

FIELD:	Mamm Creek
Sec-TWT-RNG	
AFE# & District	

Tool Utilization Report

Bits

11880492 - Sec, 7 7/8, FX65M, 6x16 jets

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
2	17.72	2.80	20.52	20.52	26.58	2,101.00
1	17.72	2.80	20.52	20.52	26.58	2,101.00

<< Summary for 11880492

11880493 - Sec, 56M 5X14

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for 11880493

<< Summary for Bits

Motors

6199 - 6 1/2" Fixed. Motor

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for 6199

<< Summary for Motors

MWD

650300080 - NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for 650300080

AWS650300307 - NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

Tool Utilization Report

1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for AWS650300307

G-65-035 - Gap Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for G-65-035

UB-xxx-1 - UBHO

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00
8	134.00	31.27	172.60	176.00	366.33	27,844.00

<< Summary for UB-xxx-1

<< Summary for MWD

Other

Rig - 12 Stds. HWDP

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	15.78	5.02	22.63	23.48	65.00	4,860.00
2	17.72	2.80	20.52	20.52	26.58	2,101.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00
2	33.50	7.82	43.15	44.00	91.58	6,961.00

<< Summary for Rig

<< Summary for Other

SDI Job #:	20111120	FIELD:	Mamm Creek
COMPANY:	BILL BARRETT CORP	Sec-1WTR-RNG	
LOCATION:	Silt	AFE# & District	
RIG NAME:	Patterson 307		
STATE:	Colorado		
COUNTY:	Garfield		
WELL NAME:	Werner 31A-26-692		

Field Estimate

Cost Breakdown

TURNKEY

Charge Date	IDENTIFIER	Description	Type of Units		Minimum Charge	Maximum Charge	Price
			Units	Price/Unit			
28-Nov-2011	2011 11 20	Directional & MWD Package	JOB				
			1	\$59,850.00	\$0.00	\$0.00	\$59,850.00
Comment:							
Total for TURNKEY							\$59,850.00

Total for Invoice: \$59,850.00

Oil Company Representative: _____ Date: _____

Directional Company Reprsentative: _____ Date: _____

SDI Job #:	20111120	Report Time:	2400	1 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Wednesday, November 23, 2011 at 0000 to Wednesday, November 23, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters						
Start Depth	0.00	Rotary Hours	0.00	WOB	0	Pick UP	0	Slack Off	0	SPM
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0-0	0
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data						
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type		PV	0	SOLID	0	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	0	GAS	0	YP	0	BHT°
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°
Below Rotary Hrs.	0.00	Percent Slide:	NA	Chlorides	0	WL	0		Oil %	0

PERSONNEL				Casing			BHA		
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	N/A		
Second Directional :	Paul Loehr			9 5/8	36	826			
MWD Operator1	Paul Loehr			Signature:					
MWD Operator2	Jason Cook								
Directional Company:	Sharewell Energy Services								
Geologist:									
Company Man:	Curtis Crowton			Daily Cost					
Incl. In:	0.04	Azm. In:	110.58	Incl. Out:	1.6	Azm. Out:	144.2	Cummulative Cost:	

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-Nov-11	00:00	24:00	24.00	0	0	Standby	

SDI Job #:	20111120	Report Time:	2400	2 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Thursday, November 24, 2011 at 0000 to Thursday, November 24, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters						
Start Depth	0.00	Rotary Hours	0.00	WOB	0	Pick UP	0	Slack Off	0	SPM
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0-0	0
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data						
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type		PV	0	SOLID	0	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	0	GAS	0	YP	0	BHT°
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°
Below Rotary Hrs.	18.00	Percent Slide:	NA	Chlorides	0	WL	0		Oil %	0

PERSONNEL				Casing			BHA				
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	BHA # 1:Sec, 56M 5X14, 6 1/2" Fixed. Motor, UBHO, NMDC, Gap Sub, NMDC, 12 Stds. HWDP,				
Second Directional :	Paul Loehr			9 5/8	36	826					
MWD Operator1	Paul Loehr										
MWD Operator2	Jason Cook										
Directional Company:	Sharewell Energy Services										
Geologist:				Signature:							
Company Man:	Curtis Crowton						Daily Cost				
Incl. In:	0.04	Azm. In:	110.58	Incl. Out:	0.4	Azm. Out:	110.58	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
24-Nov-11	00:00	06:00	6.00	0	0	Standby	Standby
24-Nov-11	06:00	07:00	1.00	0	0	Change BHA	P/u & M/u Dir Tools
24-Nov-11	07:00	08:00	1.00	0	0	TIH	TIH P/u HWDP
24-Nov-11	08:00	16:30	8.50	0	0	Rig repair	Rig repair
24-Nov-11	16:30	17:00	0.50	0	0	POOH	POOH Lay Down MWD
24-Nov-11	17:00	24:00	7.00	0	0	Rig repair	Rig repair

SDI Job #:	20111120	Report Time:	2400	3 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Friday, November 25, 2011 at 0000 to Friday, November 25, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	820.00	Rotary Hours	3.27	WOB	14	Pick UP	110	Slack Off	75	SPM	
End Depth	2541.00	Circulating Hours	1.75	RAB	90	SPP	2500	FlowRate	0 - 585		140
Total Drilled:	1721.00	Avg. Total ROP:	361.05	Mud Data							
Total Rotary Drilled:	1452.00	Avg. Rotary ROP:	444.49	Type	LSND	PV	16	SOLID		3	
Total Drilled Sliding:	269.00	Avg. Slide ROP:	179.33	Weight	9	GAS	0	YP	12	BHT°	0
Slide Hours:	1.50	Percent Rotary:	84.37	Viscosity	48	SAND	0.2	PH	8.9	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	15.63	Chlorides	600	WL	5.4			Oil %	0
PERSONNEL				Casing			BHA				
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	BHA # 1:Sec, 56M 5X14, 6 1/2" Fixed. Motor, UBHO, NMDC, Gap Sub, NMDC, 12 Stds. HWDP,				
Second Directional :	Paul Loehr			9 5/8	36	826					
MWD Operator1	Paul Loehr										
MWD Operator2	Jason Cook										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Curtis Crowton			Signature:							
Incl. In:	0.4	Azm. In:	110.58	Incl. Out:	35.2	Azm. Out:	192.1	Daily Cost			
								Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Nov-11	00:00	14:00	14.00	0	0	Rig repair	Top Drive
25-Nov-11	14:00	14:20	0.33	0	0	Other	P/U MWD Tool
25-Nov-11	14:20	15:04	0.73	0	778	TIH	TIH
25-Nov-11	15:04	15:55	0.85	778	820	Reaming	Shoe
25-Nov-11	15:55	16:20	0.42	820	867	Drilling	Drilling
25-Nov-11	16:20	17:15	0.92	867	867	Other	FIT Test
25-Nov-11	17:15	17:25	0.17	867	929	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	17:25	17:30	0.08	929	929	Survey & Conn.	Survey & Conn.
25-Nov-11	17:30	17:34	0.07	929	944	Sliding	sliding
25-Nov-11	17:34	17:41	0.12	944	1021	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	17:41	17:46	0.08	1021	1021	Survey & Conn.	Survey & Conn.
25-Nov-11	17:46	17:50	0.07	1021	1036	Sliding	Sliding - (WOB:14;GPM :385;TFO:0)
25-Nov-11	17:50	17:58	0.13	1036	1114	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	17:58	18:03	0.08	1114	1114	Survey & Conn.	Survey & Conn.
25-Nov-11	18:03	18:10	0.12	1114	1129	Sliding	Sliding - (WOB:14;GPM :385;TFO:190)
25-Nov-11	18:10	18:20	0.17	1129	1206	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	18:20	18:25	0.08	1206	1206	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-Nov-11	18:25	18:35	0.17	1206	1226	Sliding	Sliding - (WOB:14;GPM :385;TFO:30R)
25-Nov-11	18:35	18:45	0.17	1226	1301	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	18:45	18:50	0.08	1301	1301	Survey & Conn.	Survey & Conn.
25-Nov-11	18:50	18:57	0.12	1301	1316	Sliding	Sliding - (WOB:14;GPM :385;TFO:40R)
25-Nov-11	18:57	19:04	0.12	1316	1397	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	19:04	19:09	0.08	1397	1397	Survey & Conn.	Survey & Conn.
25-Nov-11	19:09	19:15	0.10	1397	1419	Sliding	Sliding - (WOB:14;GPM :385;TFO:15R)
25-Nov-11	19:15	19:23	0.13	1419	1492	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	19:23	19:28	0.08	1492	1492	Survey & Conn.	Survey & Conn.
25-Nov-11	19:28	19:42	0.23	1492	1587	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	19:42	19:47	0.08	1587	1587	Survey & Conn.	Survey & Conn.
25-Nov-11	19:47	19:53	0.10	1587	1607	Sliding	Sliding - (WOB:14;GPM :385;TFO:35R)
25-Nov-11	19:53	20:03	0.17	1607	1683	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	20:03	20:08	0.08	1683	1683	Survey & Conn.	Survey & Conn.
25-Nov-11	20:08	20:14	0.10	1683	1703	Sliding	Sliding - (WOB:14;GPM :385;TFO:0)
25-Nov-11	20:14	20:23	0.15	1703	1778	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	20:23	20:28	0.08	1778	1778	Survey & Conn.	Survey & Conn.
25-Nov-11	20:28	20:35	0.12	1778	1803	Sliding	Sliding - (WOB:14;GPM :385;TFO:30R)
25-Nov-11	20:35	20:43	0.13	1803	1873	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	20:43	20:48	0.08	1873	1873	Survey & Conn.	Survey & Conn.
25-Nov-11	20:48	20:55	0.12	1873	1895	Sliding	Sliding - (WOB:14;GPM :385;TFO:20R)
25-Nov-11	20:55	21:03	0.13	1895	1969	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	21:03	21:08	0.08	1969	1969	Survey & Conn.	Survey & Conn.
25-Nov-11	21:08	21:15	0.12	1969	1994	Sliding	Sliding - (WOB:14;GPM :385;TFO:25R)
25-Nov-11	21:15	21:24	0.15	1994	2064	Drilling	Drilling - (WOB:14;GPM :385;RPM:47)
25-Nov-11	21:24	21:29	0.08	2064	2064	Survey & Conn.	Survey & Conn.
25-Nov-11	21:29	21:37	0.13	2064	2089	Sliding	Sliding - (WOB:14;GPM :385;TFO:10R)
25-Nov-11	21:37	21:44	0.12	2089	2159	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
25-Nov-11	21:44	21:49	0.08	2159	2159	Survey & Conn.	Survey & Conn.
25-Nov-11	21:49	21:55	0.10	2159	2174	Sliding	Sliding - (WOB:14;GPM :585;TFO:0)
25-Nov-11	21:55	22:04	0.15	2174	2255	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
25-Nov-11	22:04	22:09	0.08	2255	2255	Survey & Conn.	Survey & Conn.
25-Nov-11	22:09	22:20	0.18	2255	2350	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
25-Nov-11	22:20	22:25	0.08	2350	2350	Survey & Conn.	Survey & Conn.
25-Nov-11	22:25	22:30	0.08	2350	2365	Sliding	Sliding - (WOB:14;GPM :585;TFO:30L)
25-Nov-11	22:30	22:40	0.17	2365	2445	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
25-Nov-11	22:40	22:45	0.08	2445	2445	Survey & Conn.	Survey & Conn.
25-Nov-11	22:45	23:30	0.75	2445	2445	Circulating	Circulating wait on DP
25-Nov-11	23:30	23:46	0.27	2445	2541	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
25-Nov-11	23:46	23:51	0.08	2541	2541	Survey & Conn.	Survey & Conn.
25-Nov-11	23:51	24:00	0.15	2541	2541	Circulating	Circulating Wait on pipe

SDI Job #:	2011120	Report Time:	2400	4 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Saturday, November 26, 2011 at 0000 to Saturday, November 26, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	2541.00	Rotary Hours	12.52	WOB	26	Pick UP	155	Slack Off	99	SPM	
End Depth	5680.00	Circulating Hours	1.33	RAB	115	SPP	2900	FlowRate	585 - 585	140	
Total Drilled:	3139.00	Avg. Total ROP:	195.78	Mud Data							
Total Rotary Drilled:	2874.00	Avg. Rotary ROP:	229.61	Type	LSND	PV	14	SOLID	6		
Total Drilled Sliding:	265.00	Avg. Slide ROP:	75.36	Weight	9.5	GAS	0	YP	12	BHT°	0
Slide Hours:	3.52	Percent Rotary:	91.56	Viscosity	44	SAND	0.2	PH	9.8	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	8.44	Chlorides	600	WL	5.4			Oil %	0
PERSONNEL				Casing				BHA			
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	BHA # 1:Sec, 56M 5X14, 6 1/2" Fixed. Motor, UBHO, NMDC, Gap Sub, NMDC, 12 Stds. HWDP,				
Second Directional :	Paul Loehr			9 5/8	36	826					
MWD Operator1	Paul Loehr			Signature:							
MWD Operator2	Jason Cook										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Curtis Crowton			Daily Cost							
Incl. In:	35.2	Azm. In:	192.1	Incl. Out:	3.5	Azm. Out:	206.5	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Nov-11	00:00	00:56	0.93	2541	2541	Circulating	Circulating wait on pipe
26-Nov-11	00:56	01:02	0.10	2541	2556	Sliding	Sliding - (WOB:14;GPM :585;TFO:10R)
26-Nov-11	01:02	01:12	0.17	2556	2636	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	01:12	01:17	0.08	2636	2636	Survey & Conn.	Survey & Conn.
26-Nov-11	01:17	01:30	0.22	2636	2731	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	01:30	01:35	0.08	2731	2731	Survey & Conn.	Survey & Conn.
26-Nov-11	01:35	01:48	0.22	2731	2826	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	01:48	01:53	0.08	2826	2826	Survey & Conn.	Survey & Conn.
26-Nov-11	01:53	02:08	0.25	2826	2922	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	02:08	02:13	0.08	2922	2922	Survey & Conn.	Survey & Conn.
26-Nov-11	02:13	02:20	0.12	2922	2937	Sliding	Sliding - (WOB:14;GPM :585;TFO:70R)
26-Nov-11	02:20	02:30	0.17	2937	3017	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	02:30	02:35	0.08	3017	3017	Survey & Conn.	Survey & Conn.
26-Nov-11	02:35	02:47	0.20	3017	3112	Drilling	Drilling - (WOB:14;GPM :585;RPM:47)
26-Nov-11	02:47	02:53	0.10	3112	3112	Survey & Conn.	Survey & Conn.
26-Nov-11	02:53	03:08	0.25	3112	3208	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	03:08	03:12	0.07	3208	3208	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Nov-11	03:12	03:29	0.28	3208	3303	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	03:29	03:34	0.08	3303	3303	Survey & Conn.	Survey & Conn.
26-Nov-11	03:34	03:55	0.35	3303	3398	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	03:55	04:00	0.08	3398	3398	Survey & Conn.	Survey & Conn.
26-Nov-11	04:00	04:10	0.17	3398	3413	Sliding	Sliding - (WOB:25;GPM :585;TFO:75R)
26-Nov-11	04:10	04:19	0.15	3413	3494	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	04:19	04:24	0.08	3494	3494	Survey & Conn.	Survey & Conn.
26-Nov-11	04:24	04:31	0.12	3494	3506	Sliding	Sliding - (WOB:25;GPM :585;TFO:110R)
26-Nov-11	04:31	04:42	0.18	3506	3589	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	04:42	04:47	0.08	3589	3589	Survey & Conn.	Survey & Conn.
26-Nov-11	04:47	05:00	0.22	3589	3685	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	05:00	05:05	0.08	3685	3685	Survey & Conn.	Survey & Conn.
26-Nov-11	05:05	05:15	0.17	3685	3703	Sliding	Sliding - (WOB:25;GPM :585;TFO:70R)
26-Nov-11	05:15	05:27	0.20	3703	3780	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	05:27	05:32	0.08	3780	3780	Survey & Conn.	Survey & Conn.
26-Nov-11	05:32	05:45	0.22	3780	3800	Sliding	Sliding - (WOB:25;GPM :585;TFO:50R)
26-Nov-11	05:45	06:00	0.25	3800	3875	Drilling	Drilling - (WOB:25;GPM :585;RPM:47)
26-Nov-11	06:00	06:07	0.12	3875	3875	Survey & Conn.	Survey & Conn.
26-Nov-11	06:07	06:29	0.37	3875	3971	Drilling	drilling
26-Nov-11	06:29	06:34	0.08	3971	3971	Survey & Conn.	Survey & Conn.
26-Nov-11	06:34	07:07	0.55	3971	4066	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	07:07	07:12	0.08	4066	4066	Survey & Conn.	Survey & Conn.
26-Nov-11	07:12	07:36	0.40	4066	4162	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	07:36	07:40	0.07	4162	4162	Survey & Conn.	Survey & Conn.
26-Nov-11	07:40	07:57	0.28	4162	4257	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	07:57	08:04	0.12	4257	4257	Survey & Conn.	Survey & Conn.
26-Nov-11	08:04	08:10	0.10	4257	4269	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	08:10	08:25	0.25	4269	4352	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	08:25	08:31	0.10	4352	4352	Survey & Conn.	Survey & Conn.
26-Nov-11	08:31	08:41	0.17	4352	4367	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	08:41	09:00	0.32	4367	4447	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	09:00	09:05	0.08	4447	4447	Survey & Conn.	Survey & Conn.
26-Nov-11	09:05	09:17	0.20	4447	4460	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	09:17	09:35	0.30	4460	4543	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	09:35	09:41	0.10	4543	4543	Survey & Conn.	Survey & Conn.
26-Nov-11	09:41	09:49	0.13	4543	4556	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	09:49	10:14	0.42	4556	4637	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	10:14	10:20	0.10	4637	4637	Survey & Conn.	Survey & Conn.
26-Nov-11	10:20	10:27	0.12	4637	4647	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	10:27	10:50	0.38	4647	4732	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	10:50	10:57	0.12	4732	4732	Survey & Conn.	Survey & Conn.
26-Nov-11	10:57	11:20	0.38	4732	4828	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	11:20	11:31	0.18	4828	4828	Survey & Conn.	Survey & Conn.
26-Nov-11	11:31	11:54	0.38	4828	4922	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	11:54	11:59	0.08	4922	4922	Survey & Conn.	Survey & Conn.
26-Nov-11	11:59	12:06	0.12	4922	4930	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	12:06	12:30	0.40	4930	5018	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	12:30	12:40	0.17	5018	5018	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-Nov-11	12:40	13:17	0.62	5018	5113	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	13:17	13:22	0.08	5113	5113	Survey & Conn.	Survey & Conn.
26-Nov-11	13:22	13:33	0.18	5113	5128	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	13:33	13:59	0.43	5128	5208	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	13:59	14:03	0.07	5208	5208	Survey & Conn.	Survey & Conn.
26-Nov-11	14:03	14:27	0.40	5208	5208	Rig Service-Inhole	Rig Service-Inhole
26-Nov-11	14:27	14:37	0.17	5208	5219	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	14:37	15:10	0.55	5219	5303	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	15:10	15:16	0.10	5303	5303	Survey & Conn.	Survey & Conn.
26-Nov-11	15:16	15:56	0.67	5303	5399	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	15:56	16:02	0.10	5399	5399	Survey & Conn.	Survey & Conn.
26-Nov-11	16:02	16:20	0.30	5399	5415	Sliding	Sliding - (WOB:25;GPM :585;TFO:10R)
26-Nov-11	16:20	17:10	0.83	5415	5494	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	17:10	17:15	0.08	5494	5494	Survey & Conn.	Survey & Conn.
26-Nov-11	17:15	17:40	0.42	5494	5514	Sliding	Sliding - (WOB:25;GPM :585;TFO:150R)
26-Nov-11	17:40	18:37	0.95	5514	5590	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	18:37	18:42	0.08	5590	5590	Survey & Conn.	Survey & Conn.
26-Nov-11	18:42	19:26	0.73	5590	5627	Sliding	Sliding - (WOB:25;GPM :585;TFO:150R)
26-Nov-11	19:26	20:22	0.93	5627	5680	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
26-Nov-11	20:22	20:27	0.08	5680	5680	Survey & Conn.	Survey & Conn.
26-Nov-11	20:27	23:30	3.05	5680	5680	POOH	POOH
26-Nov-11	23:30	24:00	0.50	5680	5680	Change BHA	Change Bit & check motor

SDI Job #:	20111120	Report Time:	2400	5 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Sunday, November 27, 2011 at 0000 to Sunday, November 27, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5680.00	Rotary Hours	15.22	WOB	28	Pick UP	250	Slack Off	115	SPM	
End Depth	7690.00	Circulating Hours	0.43	RAB	175	SPP	3190	FlowRate	585 - 585	140	
Total Drilled:	2010.00	Avg. Total ROP:	111.56	Mud Data							
Total Rotary Drilled:	1855.00	Avg. Rotary ROP:	121.91	Type	LSND	PV	14	SOLID	8		
Total Drilled Sliding:	155.00	Avg. Slide ROP:	55.36	Weight	10.1	GAS	200	YP	16	BHT°	0
Slide Hours:	2.80	Percent Rotary:	92.29	Viscosity	41	SAND	0.5	PH	10.4	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	7.71	Chlorides	600	WL	5.8			Oil %	0
PERSONNEL				Casing			BHA				
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	BHA # 2:Sec, 7 7/8, FX65M, 6x16 jets, 6 1/2" Fixed. Motor, UBHO, NMDC, Gap Sub, NMDC, 12 Stds. HWDP,				
Second Directional :	Paul Loehr			9 5/8	36	826					
MWD Operator1	Paul Loehr			Signature:							
MWD Operator2	Jason Cook										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Curtis Crowton						Daily Cost				
Incl. In:	3.5	Azm. In:	206.5	Incl. Out:	1.6	Azm. Out:	144.2	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Nov-11	00:00	03:20	3.33	5680	5680	TIH	TIH
27-Nov-11	03:20	03:35	0.25	5680	5685	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
27-Nov-11	03:35	04:02	0.45	5685	5705	Sliding	Sliding - (WOB:25;GPM :585;TFO:150R)
27-Nov-11	04:02	04:35	0.55	5705	5780	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
27-Nov-11	04:35	04:40	0.08	5780	5780	Survey & Conn.	Survey & Conn.
27-Nov-11	04:40	05:14	0.57	5780	5875	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
27-Nov-11	05:14	05:19	0.08	5875	5875	Survey & Conn.	Survey & Conn.
27-Nov-11	05:19	05:33	0.23	5875	5892	Sliding	Sliding - (WOB:25;GPM :585;TFO:150R)
27-Nov-11	05:33	06:07	0.57	5892	5971	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
27-Nov-11	06:07	06:12	0.08	5971	5971	Survey & Conn.	Survey & Conn.
27-Nov-11	06:12	06:43	0.52	5971	6066	Drilling	Drilling - (WOB:26;GPM :585;RPM:48)
27-Nov-11	06:43	06:51	0.13	6066	6066	Survey & Conn.	Survey & Conn.
27-Nov-11	06:51	07:27	0.60	6066	6161	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	07:27	07:33	0.10	6161	6161	Survey & Conn.	Survey & Conn.
27-Nov-11	07:33	07:54	0.35	6161	6181	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	07:54	08:23	0.48	6181	6256	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	08:23	08:30	0.12	6256	6256	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-Nov-11	08:30	09:04	0.57	6256	6351	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	09:04	09:14	0.17	6351	6351	Survey & Conn.	Survey & Conn.
27-Nov-11	09:14	09:55	0.68	6351	6446	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	09:55	10:05	0.17	6446	6446	Survey & Conn.	Survey & Conn.
27-Nov-11	10:05	10:41	0.60	6446	6542	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	10:41	10:48	0.12	6542	6542	Survey & Conn.	Survey & Conn.
27-Nov-11	10:48	11:05	0.28	6542	6558	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	11:05	11:38	0.55	6558	6637	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	11:38	11:44	0.10	6637	6637	Survey & Conn.	Survey & Conn.
27-Nov-11	11:44	11:58	0.23	6637	6652	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	11:58	12:34	0.60	6652	6732	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	12:34	12:40	0.10	6732	6732	Survey & Conn.	Survey & Conn.
27-Nov-11	12:40	13:11	0.52	6732	6828	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	13:11	13:17	0.10	6828	6828	Survey & Conn.	Survey & Conn.
27-Nov-11	13:17	13:32	0.25	6828	6845	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	13:32	14:02	0.50	6845	6923	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	14:02	14:09	0.12	6923	6923	Survey & Conn.	Survey & Conn.
27-Nov-11	14:09	14:56	0.78	6923	7019	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	14:56	15:05	0.15	7019	7019	Survey & Conn.	Survey & Conn.
27-Nov-11	15:05	16:02	0.95	7019	7114	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	16:02	16:08	0.10	7114	7114	Survey & Conn.	Survey & Conn.
27-Nov-11	16:08	16:34	0.43	7114	7134	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	16:34	17:00	0.43	7134	7209	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	17:00	17:05	0.08	7209	7209	Survey & Conn.	Survey & Conn.
27-Nov-11	17:05	17:31	0.43	7209	7209	Rig Service-Inhole	Rig Service-Inhole
27-Nov-11	17:31	18:05	0.57	7209	7239	Sliding	Sliding - (WOB:25;GPM :585;TFO:50M)
27-Nov-11	18:05	18:53	0.80	7239	7304	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	18:53	18:58	0.08	7304	7304	Survey & Conn.	Survey & Conn.
27-Nov-11	18:58	20:00	1.03	7304	7400	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	20:00	20:05	0.08	7400	7400	Survey & Conn.	Survey & Conn.
27-Nov-11	20:05	21:21	1.27	7400	7495	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	21:21	21:26	0.08	7495	7495	Survey & Conn.	Survey & Conn.
27-Nov-11	21:26	22:30	1.07	7495	7590	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	22:30	22:35	0.08	7590	7590	Survey & Conn.	Survey & Conn.
27-Nov-11	22:35	23:46	1.18	7590	7685	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
27-Nov-11	23:46	23:51	0.08	7685	7685	Survey & Conn.	Survey & Conn.
27-Nov-11	23:51	24:00	0.15	7685	7690	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)

SDI Job #:	20111120	Report Time:	2400	6 of 6
COMPANY:	BILL BARRETT CORP	API JOB #	05-045-19235	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 307	FIELD:	Mamm Creek	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Werner 31A-26-692			

From Monday, November 28, 2011 at 0000 to Monday, November 28, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	5680.00	Rotary Hours	15.22	WOB	28	Pick UP	250	Slack Off	115	SPM	
End Depth	7690.00	Circulating Hours	0.43	RAB	175	SPP	3190	FlowRate	585 - 585	140	
Total Drilled:	2010.00	Avg. Total ROP:	111.56	Mud Data							
Total Rotary Drilled:	1855.00	Avg. Rotary ROP:	121.91	Type	LSND	PV	14	SOLID	8		
Total Drilled Sliding:	155.00	Avg. Slide ROP:	55.36	Weight	10.1	GAS	200	YP	16	BHT°	0
Slide Hours:	2.80	Percent Rotary:	92.29	Viscosity	41	SAND	0.5	PH	10.4	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	7.71	Chlorides	600	WL	5.8			Oil %	0
PERSONNEL				Casing			BHA				
Lead Directional :	Jason Cook			Size	Lb/ft	Set Depth	BHA # 2:Sec, 7 7/8, FX65M, 6x16 jets, 6 1/2" Fixed. Motor, UBHO, NMDC, Gap Sub, NMDC, 12 Stds. HWDP,				
Second Directional :	Paul Loehr			9 5/8	36	826					
MWD Operator1	Paul Loehr										
MWD Operator2	Jason Cook										
Directional Company:	Sharewell Energy Services										
Geologist:				Signature:							
Company Man:	Curtis Crowton						Daily Cost	\$59,850.00			
Incl. In:	1.6	Azm. In:	144.2	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:	\$59,850.00		

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
28-Nov-11	00:00	02:30	2.50	7690	7781	Drilling	Drilling - (WOB:28;GPM :585;RPM:48)
28-Nov-11	02:30	02:35	0.08	7781	7781	Survey & Conn.	Survey & Conn.

BHA # 1

Rotary Steerable Report

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Garfield
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
SD District
Lead DD: Jason Cook
Co. Man: Curtis Crowton

RS Failed?: NO Motor Used?: NO

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 24-Nov-11 @ 07:00	Desc:	SO/PU: 65 - 99 / 75-155
Date Out: 26-Nov-11 @ 24:00	MFG.:	Rot Wt: 70-115
Hrs In Hole: 65.00	BHA Circ/ All BHA:	WOB: 4 - 26
Start Depth: 820.00	Rotary SN:	TORQ: 9 - 16
End Depth: 5680.00	RS Pad OD:	SPP: 850 - 2900
Total Drilled: 4860.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 233.65	Blades Count/Type /	Rotary RPM: 47 - 48
Circ Hrs:Tot/Only 23.88 / 3.08	Blade Style:	Flow Rate: 385 - 585
Percent Slide: 10.99	RS Guage Length	Avg Diff:
Percent Hrs: 24.12	Hardfacing:	Stall Pres.:
Slide Hours: 5.02	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 534.00	RS Stab to Top:	Bit Record
Avg. Slide ROP: 106.45	Blade Collapse:	Security / Sec, 56M 5X14
Percent Rotary: 89.01	Wake Up/RPM/Drill:	Run #: 1
Percent Hrs: 75.88	Battery Usage:	Type Bit: PDC
Rot / Total Hrs: 15.78 / 20.80	Prop BUR:	IADC#: TFA: 0.751
Rotary Drilled: 4326.00	Act BUR:	JETS: 5-14
Avg. Rotary ROP: 274.09		Bit Drop: 531 PSI @ 585 GPM
Reason POOH:		Cond.:

Mud Data

Type LSND WT: 9.5 Vis: 44 WL: 5.4 PV: 14 Flow T °: 0
SAND: 0.2 Chlor: 600 **GAS:** 0 **SOL:** 6 Oil %: 0 YP: 12 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

new bit

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 2

Rotary Steerable Report

SDI Job #: 20111120
COMPANY: BILL BARRETT CORP
LOCATION: Silt
RIG NAME: Patterson 307
STATE: Colorado
COUNTY: Garfield
WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
Sec-Twn-Rng:
SD District
Lead DD: Jason Cook
Co. Man: Curtis Crowton

RS Failed?: NO Motor Used?: NO

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 27-Nov-11 @ 00:00	Desc:	SO/PU: 99 - 125 / 155-250
Date Out: 28-Nov-11 @ 02:35	MFG.:	Rot Wt: 115-175
Hrs In Hole: 26.58	BHA Circ/ All BHA:	WOB: 25 - 28
Start Depth: 5680.00	Rotary SN:	TORQ: 16 - 18
End Depth: 7781.00	RS Pad OD:	SPP: 2900 - 3190
Total Drilled: 2101.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 102.40	Blades Count/Type /	Rotary RPM: 48 - 48
Circ Hrs:Tot/Only 20.95 / .43	Blade Style:	Flow Rate: 585 - 585
Percent Slide: 7.38	RS Guage Length	Avg Diff:
Percent Hrs: 13.65	Hardfacing:	Stall Pres.:
Slide Hours: 2.80	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 155.00	RS Stab to Top:	Bit Record
Avg. Slide ROP: 55.36	Blade Collapse:	Security / Sec, 7 7/8, FX65M, 6x16 jets
Percent Rotary: 92.62	Wake Up/RPM/Drill:	Run #: 2
Percent Hrs: 86.35	Battery Usage:	Type Bit: PDC
Rot / Total Hrs: 17.72 / 20.52	Prop BUR:	IADC#: TFA: 1.178
Rotary Drilled: 1946.00	Act BUR:	JETS: 6-16
Avg. Rotary ROP: 109.84		Bit Drop: 229 PSI @ 585 GPM
Reason POOH:		Cond.:

Mud Data

Type LSND WT: 10.1 Vis: 41 WL: 5.8 PV: 14 Flow T °: 0
SAND: 0.5 Chlor: 600 **GAS:** 200 **SOL:** 8 Oil %: 0 YP: 16 PH: ¹⁰/₄ Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 1

Mud Motor Report

SDI Job #: 20111120
 COMPANY: BILL BARRETT CORP
 LOCATION: Silt
 RIG NAME: Patterson 307
 STATE: Colorado
 COUNTY: Garfield
 WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
 Sec-Twn-Rng:
 SD District
 Lead DD: Jason Cook
 Co. Man: Curtis Crowton

Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 24-Nov-11 @ 07:00	Desc: 6.5, 7/8, 3.3, 1.83 Bend, .16 Rev	SO/PU: 65 - 99 / 75-155
Date Out: 26-Nov-11 @ 24:00	MFG.: Hunting	Rot Wt: 70-115
Hrs In Hole: 65.00	BHA Circ/ All BHA: 23.88 / 44.00	WOB: 4 - 26
Start Depth: 820.00	Motor SN: 6199	TORQ: 9 - 16
End Depth: 5680.00	PAD OD: 6 5/8	SPP: 850 - 2900
Total Drilled: 4860.00	NB Stab: 0	Motor RPM: 62 - 94
Avg. Total ROP: 233.65	Bit to Bend: 6.15	Rotary RPM: 47 - 48
Circ Hrs:Tot/Only 23.88 / 3.08	Bent Hsg / Sub: 1.83 /	Flow Rate: 385 - 585
Percent Slide: 10.99	Lobe/Stage: 7/8 / 3.3	Avg Diff:
Percent Hrs: 24.12	Rev/GAL: 0.16	Stall Pres.:
Slide Hours: 5.02	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 534.00	Prop BUR:	Bit Record
Avg. Slide ROP: 106.45	Act BUR:	Security / Sec, 56M 5X14
Percent Rotary: 89.01	Stator Clearance:	Run #: 1
Percent Hrs: 75.88	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 15.78 / 20.80	Upper Stab OD:	IADC#: TFA: 0.751
Rotary Drilled: 4326.00	Extended Motor? NO	JETS: 5-14
Avg. Rotary ROP: 274.09	Number of Stalls:	Bit Drop: 531 PSI @ 585 GPM
Reason POOH:	Stall Duration:	Cond.:

Mud Data

Type LSND WT: 9.5 Vis: 44 WL: 5.4 PV: 14 Flow T °: 0
 SAND: 0.2 Chlor: 600 GAS: 0 SOL: 6 Oil %: 0 YP: 12 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

new bit

BHA PERFORMANCE:

t/ sepc reran

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 2

Mud Motor Report

SDI Job #: 20111120
 COMPANY: BILL BARRETT CORP
 LOCATION: Silt
 RIG NAME: Patterson 307
 STATE: Colorado
 COUNTY: Garfield
 WELL NAME: Werner 31A-26-692

FIELD: Mamm Creek
 Sec-Twn-Rng:
 SD District
 Lead DD: Jason Cook
 Co. Man: Curtis Crowton

Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 27-Nov-11 @ 00:00	Desc: 6.5, 7/8, 3.3, 1.83 Bend, .16 Rev	SO/PU: 99 - 125 / 155-250
Date Out: 28-Nov-11 @ 02:35	MFG.: Hunting	Rot Wt: 115-175
Hrs In Hole: 26.58	BHA Circ/ All BHA: 20.95 / 44.00	WOB: 25 - 28
Start Depth: 5680.00	Motor SN: 6199	TORQ: 16 - 18
End Depth: 7781.00	PAD OD: 6 5/8	SPP: 2900 - 3190
Total Drilled: 2101.00	NB Stab: 0	Motor RPM: 94
Avg. Total ROP: 102.40	Bit to Bend: 6.15	Rotary RPM: 48 - 48
Circ Hrs:Tot/Only 20.95 / .43	Bent Hsg / Sub: 1.83 /	Flow Rate: 585 - 585
Percent Slide: 7.38	Lobe/Stage: 7/8 / 3.3	Avg Diff:
Percent Hrs: 13.65	Rev/GAL: 0.16	Stall Pres.:
Slide Hours: 2.80	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 155.00	Prop BUR:	Bit Record
Avg. Slide ROP: 55.36	Act BUR:	Security / Sec, 7 7/8, FX65M, 6x16 jets
Percent Rotary: 92.62	Stator Clearance:	Run #: 2
Percent Hrs: 86.35	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 17.72 / 20.52	Upper Stab OD:	IADC#: TFA: 1.178
Rotary Drilled: 1946.00	Extended Motor? NO	JETS: 6-16
Avg. Rotary ROP: 109.84	Number of Stalls:	Bit Drop: 229 PSI @ 585 GPM
Reason POOH:	Stall Duration:	Cond.:

Mud Data

Type LSND WT: 10.1 Vis: 41 WL: 5.8 PV: 14 Flow T °: 0
 SAND: 0.5 Chlor: 600 GAS: 200 SOL: 8 Oil %: 0 YP: 16 PH: ¹⁰/₄ Bottom Hole T °: 0

Formation:

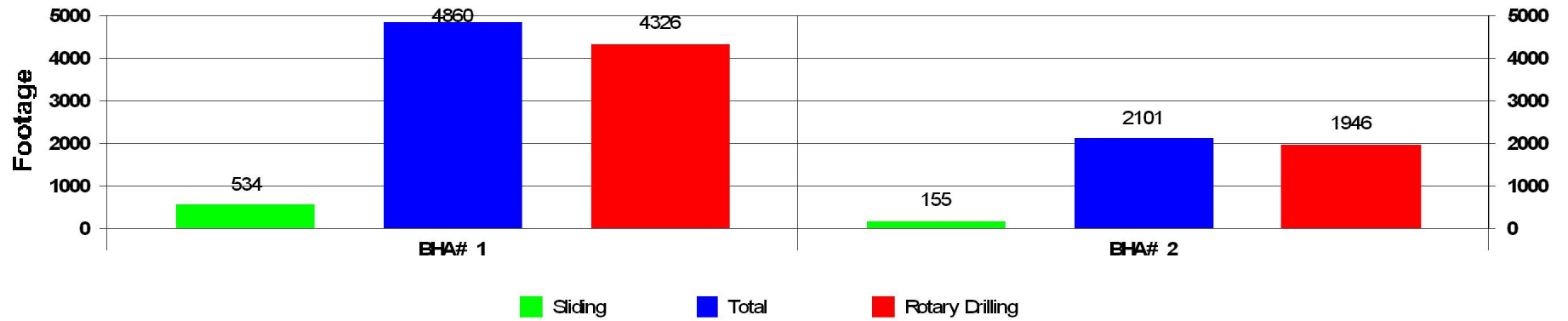
EXPANDED REASON PULLED:

BHA PERFORMANCE:

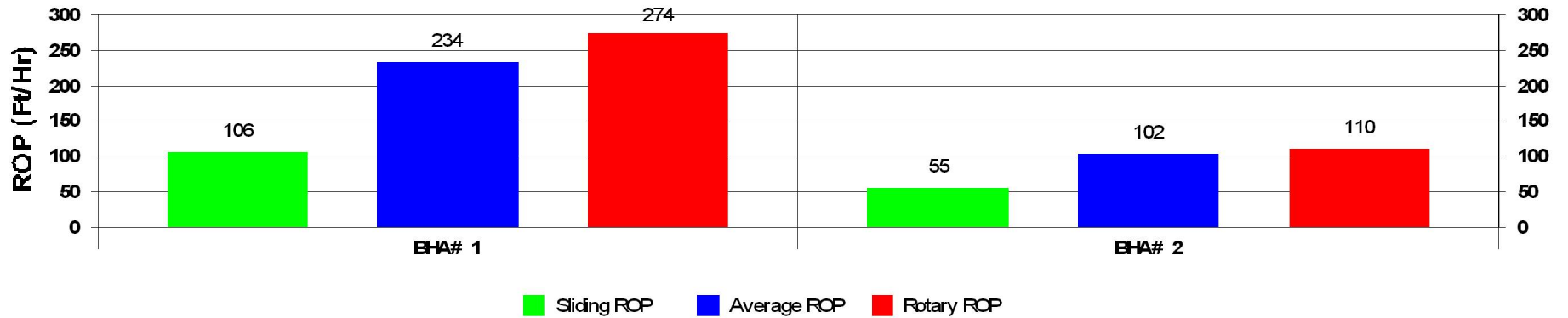
ADDITIONAL COMMENTS: (Expands to next page if necessary)

SDI Job #:	20111120	FIELD:	Mamm Creek
COMPANY:	BILL BARRETT CORP	Sec-Twn-Rng:	
LOCATION:	Silt	AFE# & District	
RIG NAME:	Patterson 307	COMMENT	
STATE:	Colorado		
COUNTY:	Garfield		
WELL NAME:	Werner 31A-26-692		

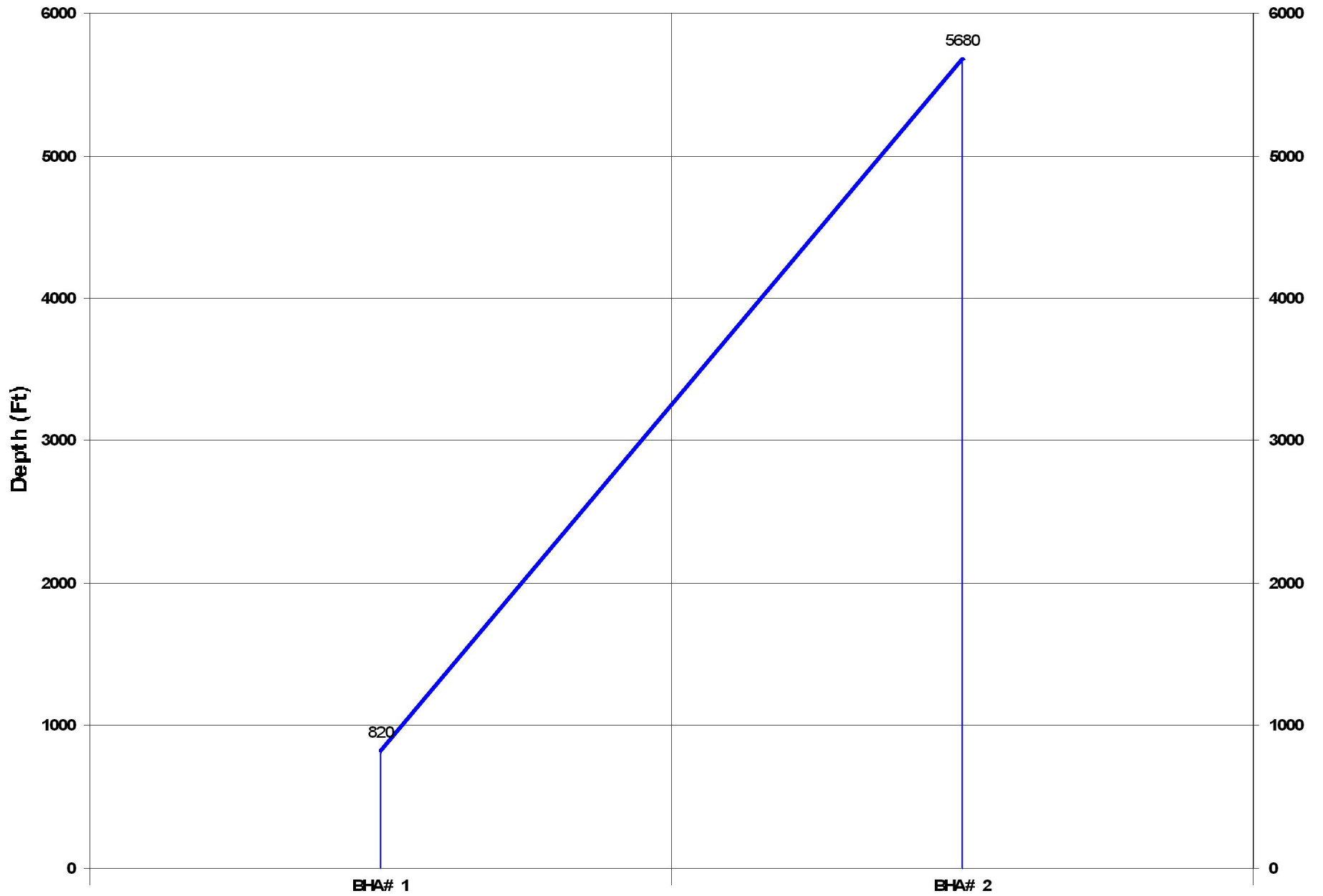
Footage Drilled with BHA



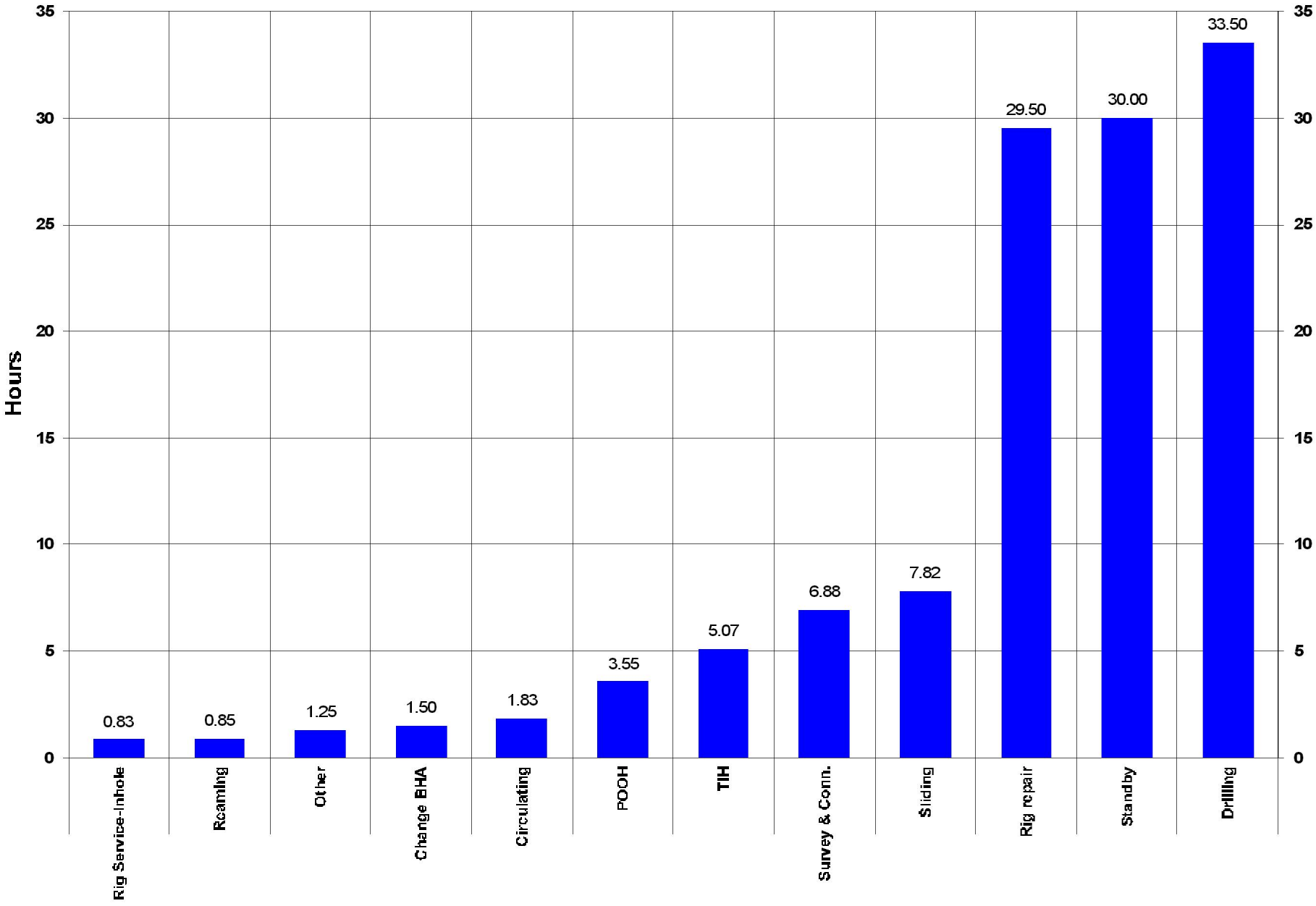
ROP vs BHA



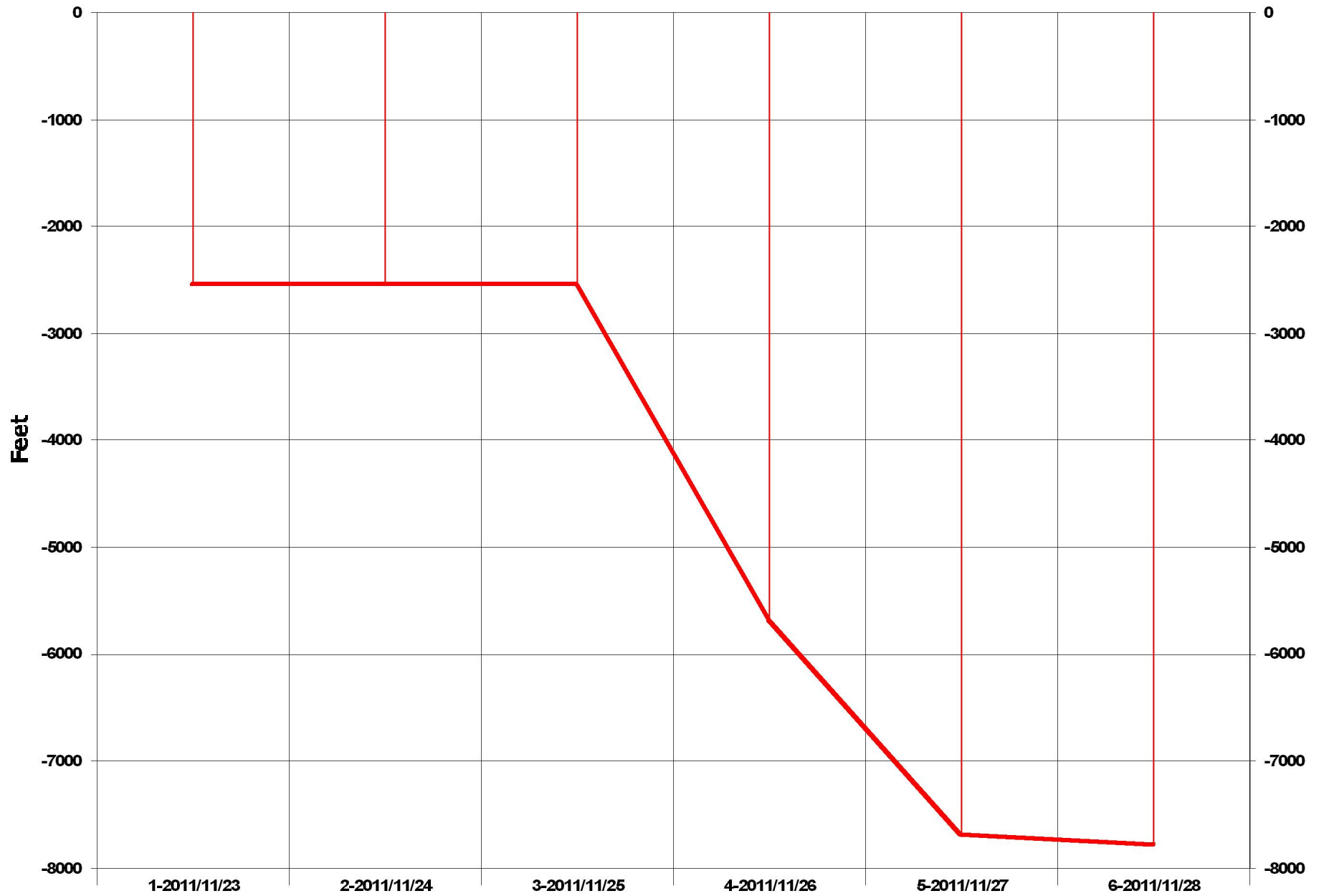
Depth vs BHA



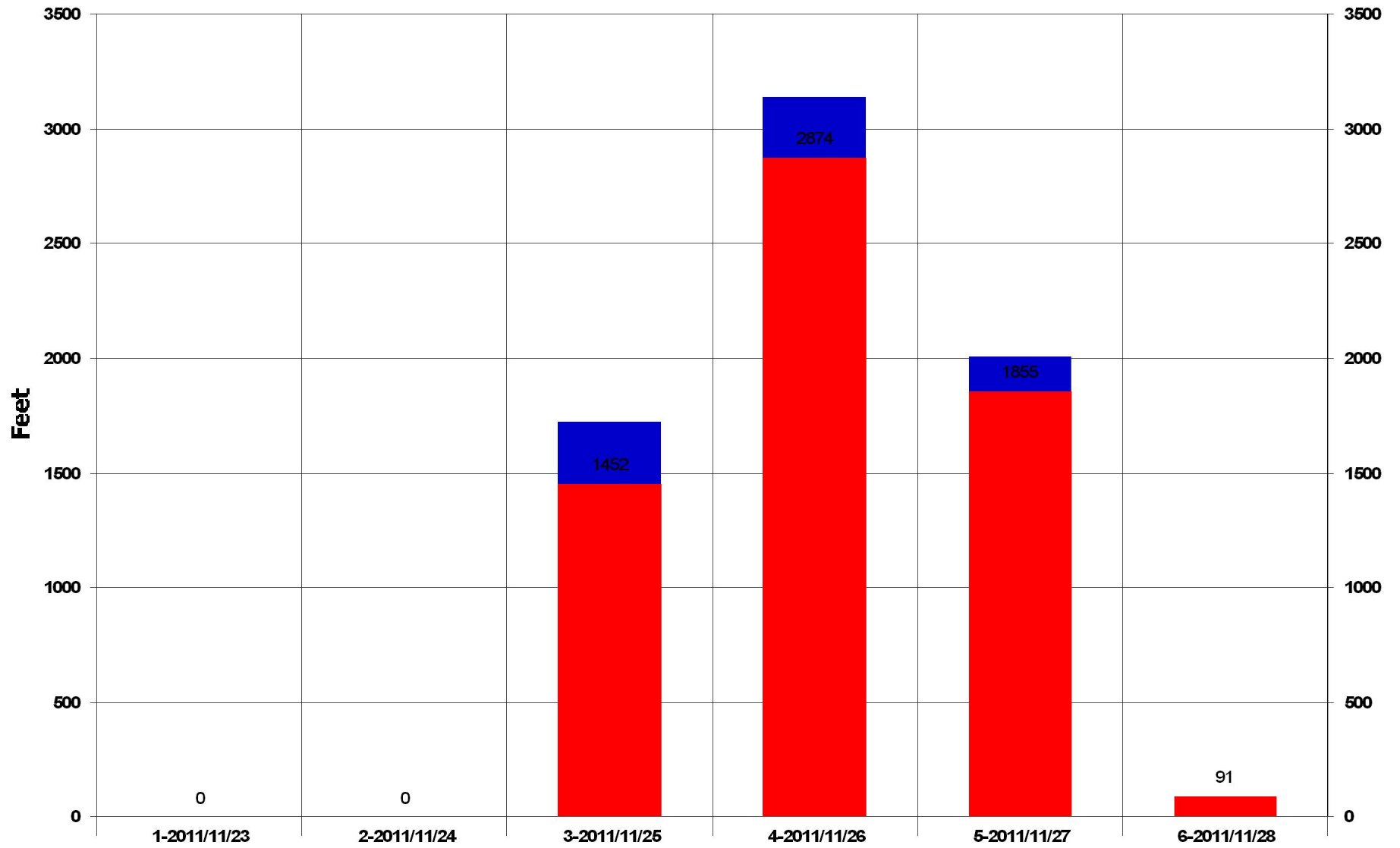
Activity Histogram



Measured Depth vs Days

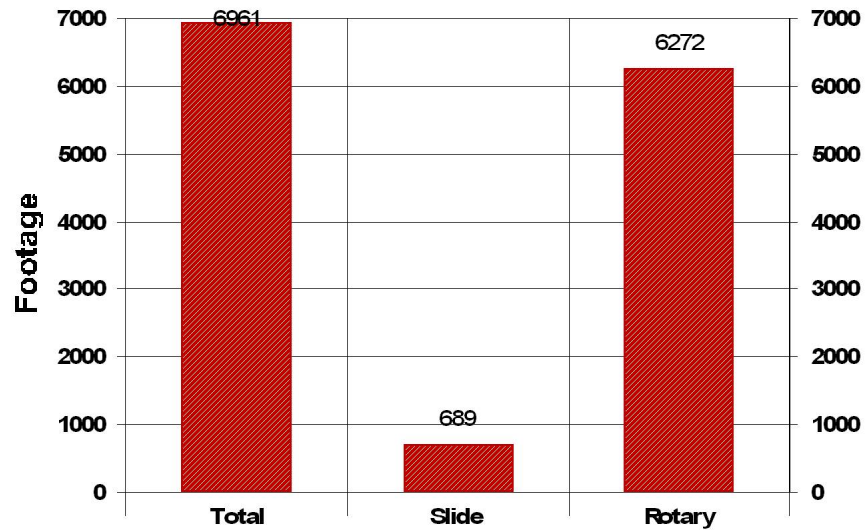


Daily Footage

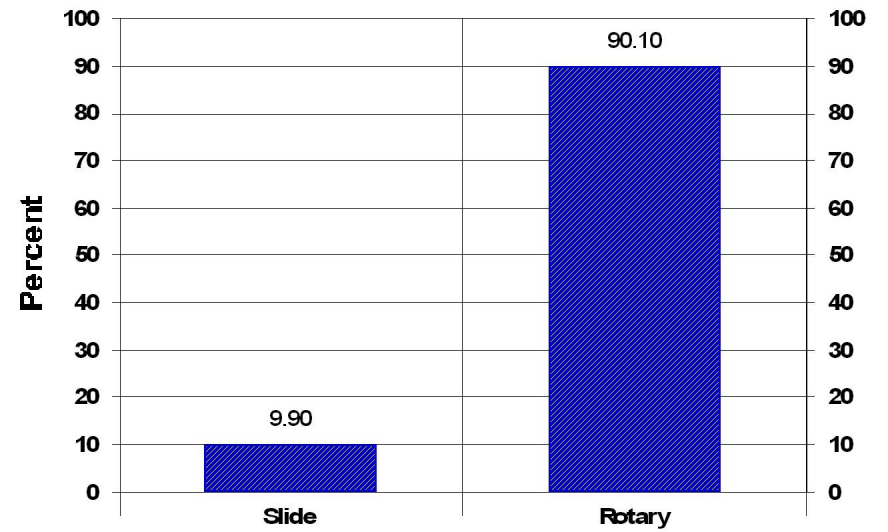


Rotary Drilling Siding

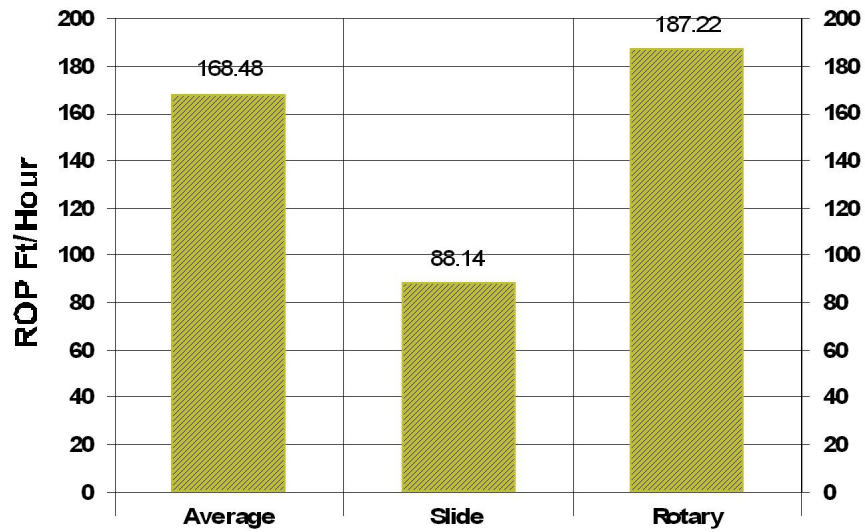
Footage Drilled Totals



Footage Percent



Rate of Penetration Totals



Time Percent

