



Well Name and Number:

Dixon Federal 11D-23-692

Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LLC





June 12, 2012

**Troy Schindler**  
VP Drilling

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

Well Reference:       **Dixon SWNW-23-692**  
                              **Dixon Federal 11D-23-692**  
                              **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,

*Rolando Garza*

Well Planner



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

Office: 713-983-9818

Mobile: 281-546-2175



**Bill Barrett Corporation**

## **Bill Barrett Corp.**

Garfield Co., CO (NAD83)

Dixon SWNW-23-692

Dixon Federal 11D-23-692

Wellbore #1

Survey: Wellbore

## **Standard Survey Report**

12 June, 2012



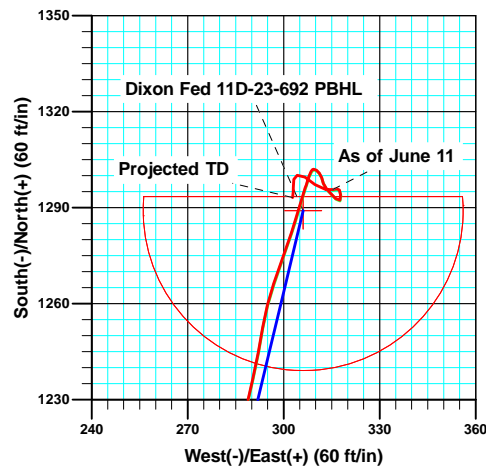
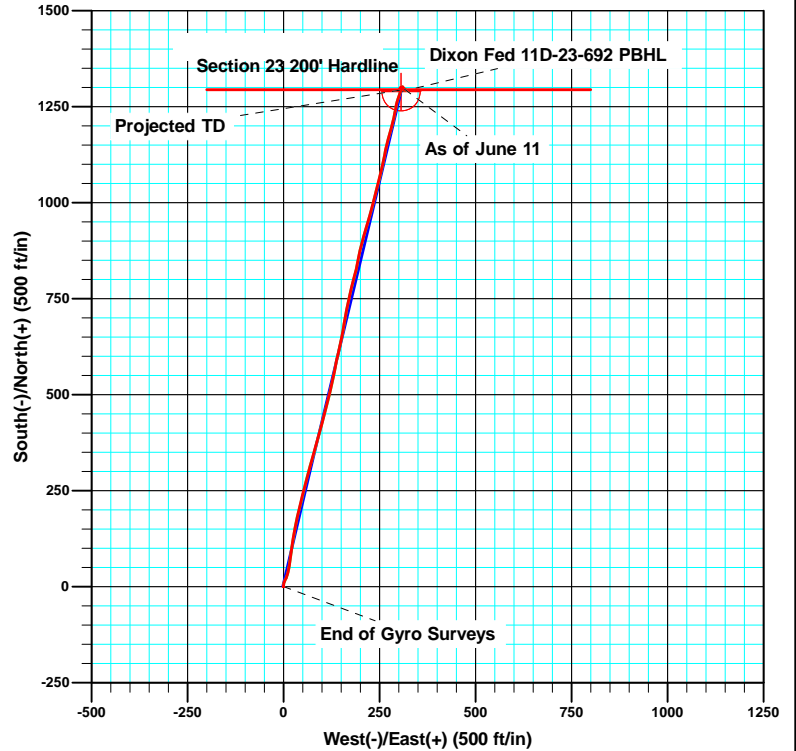
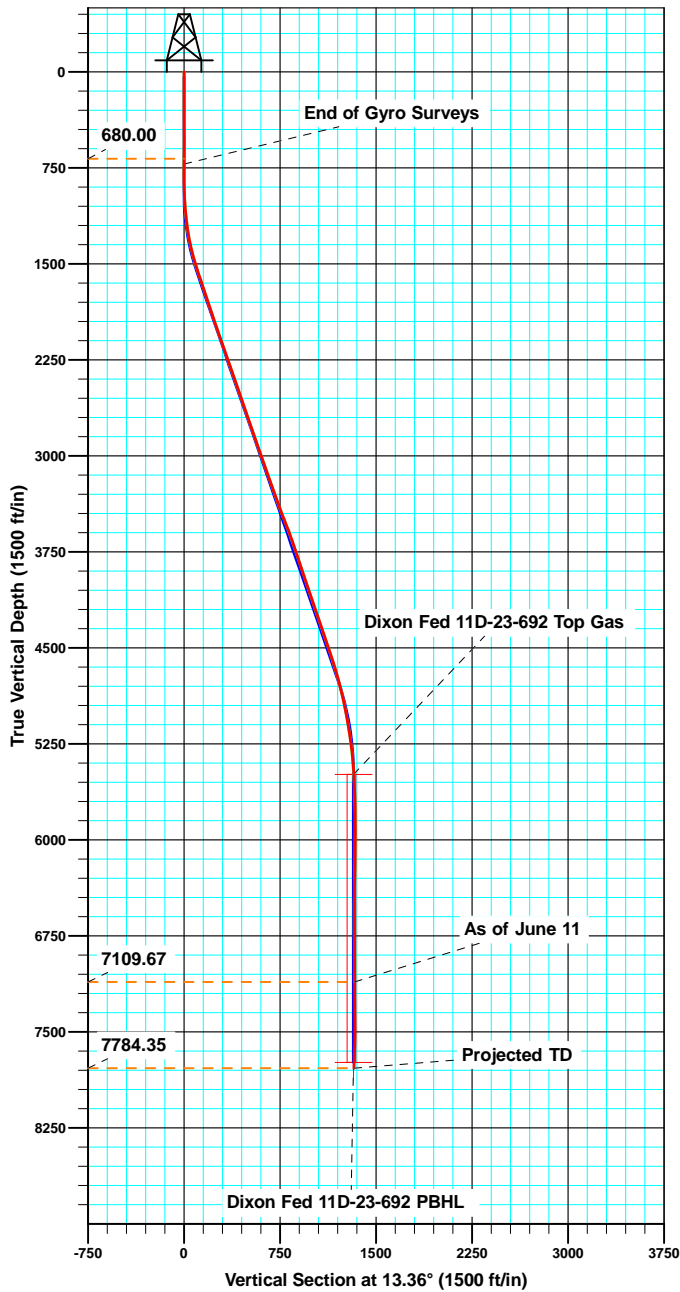


# Dixon Federal 11D-23-692

US State Plane 1983 North American Datum 1983 Colorado Central Zone

+N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 1619870.01 2395609.82 39° 30' 56.72 N 107° 38' 33.02 W

GL @ 5815.00  
 KB @ 5838.00ft



Azimuths to True North  
 Magnetic North: 10.09°

Magnetic Field  
 Strength: 52221.4snT  
 Dip Angle: 65.80°  
 Date: 04/23/2012  
 Model: IGRF2010

## ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
7109.67	7317.00	0.700	272.00	1295.69	315.33	1333.49	1363.32	As of June 11
7784.35	7992.00	1.900	185.40	1293.16	302.80	1328.13	1383.80	Projected TD



<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Dixon Federal 11D-23-692
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>TVD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Site:</b>	Dixon SWNW-23-692	<b>MD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Well:</b>	Dixon Federal 11D-23-692	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	CompassVM

<b>Project</b>	Garfield Co., CO (NAD83)		
<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>	Dixon SWNW-23-692				
<b>Site Position:</b>		<b>Northing:</b>	1,619,869.69 usft	<b>Latitude:</b>	39° 30' 56.71 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,395,577.93 usft	<b>Longitude:</b>	107° 38' 33.42 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	-1.35 °

<b>Well</b>	Dixon Federal 11D-23-692					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,619,870.01 usft	<b>Latitude:</b>	39° 30' 56.72 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,395,609.82 usft	<b>Longitude:</b>	107° 38' 33.02 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,815.00 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>
	IGRF2010	04/23/12	10.08	65.80	52,221

<b>Design</b>	OH				
<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	13.36	

<b>Survey Program</b>	<b>Date</b>	06/12/12			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
100.00	680.00	Gyro Survey (Wellbore #1)	MWD	MWD - Standard	
879.00	7,317.00	MWD (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>	
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60.00	0.080	84.30	60.00	0.00	0.04	0.01	0.13	0.13	0.00	
160.00	0.190	325.99	160.00	0.15	0.02	0.15	0.24	0.11	-118.31	
260.00	0.230	130.83	260.00	0.15	0.08	0.17	0.42	0.04	164.84	
360.00	0.250	312.01	360.00	0.17	0.07	0.18	0.48	0.02	-178.82	
460.00	0.110	105.24	460.00	0.29	0.00	0.28	0.35	-0.14	153.23	
560.00	0.210	23.87	560.00	0.43	0.16	0.46	0.22	0.10	-81.37	
640.00	0.270	268.28	640.00	0.56	0.04	0.55	0.51	0.08	-144.49	
879.00	0.700	11.70	878.99	1.97	-0.23	1.87	0.34	0.18	43.27	
971.00	1.700	6.80	970.97	3.88	0.04	3.78	1.09	1.09	-5.33	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Dixon Federal 11D-23-692
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>TVD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Site:</b>	Dixon SWNW-23-692	<b>MD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Well:</b>	Dixon Federal 11D-23-692	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	CompassVM

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)	
1,065.00	4.900	10.40	1,064.80	9.21	0.93	9.18	3.41	3.40	3.83	
1,160.00	6.700	29.60	1,159.32	18.02	4.40	18.55	2.76	1.89	20.21	
1,255.00	9.400	17.30	1,253.38	30.25	9.45	31.62	3.36	2.84	-12.95	
1,350.00	12.500	11.10	1,346.65	47.75	13.74	49.64	3.49	3.26	-6.53	
1,445.00	14.700	7.40	1,438.98	69.80	17.27	71.90	2.49	2.32	-3.89	
1,538.00	17.500	7.70	1,528.32	95.36	20.66	97.56	3.01	3.01	0.32	
1,632.00	18.500	9.30	1,617.72	124.09	24.97	126.50	1.19	1.06	1.70	
1,727.00	18.500	10.00	1,707.81	153.80	30.02	156.58	0.23	0.00	0.74	
1,822.00	18.700	12.90	1,797.85	183.49	36.04	186.85	1.00	0.21	3.05	
1,917.00	19.400	16.30	1,887.65	213.48	43.87	217.84	1.38	0.74	3.58	
2,012.00	18.700	11.80	1,977.45	243.53	51.41	248.82	1.71	-0.74	-4.74	
2,107.00	18.200	13.80	2,067.57	272.85	58.06	278.88	0.85	-0.53	2.11	
2,201.00	19.600	15.00	2,156.50	302.34	65.65	309.32	1.55	1.49	1.28	
2,296.00	19.800	17.70	2,245.94	333.06	74.66	341.29	0.98	0.21	2.84	
2,391.00	19.700	14.10	2,335.36	363.91	83.45	373.35	1.28	-0.11	-3.79	
2,486.00	18.700	15.10	2,425.07	394.15	91.32	404.58	1.11	-1.05	1.05	
2,580.00	19.200	14.70	2,513.98	423.65	99.17	435.10	0.55	0.53	-0.43	
2,674.00	18.500	16.80	2,602.94	452.88	107.40	465.44	1.04	-0.74	2.23	
2,768.00	18.900	13.80	2,691.98	481.94	115.35	495.55	1.11	0.43	-3.19	
2,863.00	19.600	12.10	2,781.66	512.46	122.36	526.87	0.94	0.74	-1.79	
2,958.00	18.800	11.20	2,871.38	543.06	128.67	558.09	0.90	-0.84	-0.95	
3,053.00	20.000	11.90	2,960.98	573.97	134.99	589.63	1.29	1.26	0.74	
3,148.00	18.900	13.40	3,050.56	604.84	141.91	621.26	1.27	-1.16	1.58	
3,243.00	19.900	11.90	3,140.17	635.63	148.81	652.81	1.18	1.05	-1.58	
3,337.00	18.600	9.70	3,228.91	666.06	154.63	683.76	1.58	-1.38	-2.34	
3,432.00	20.400	11.10	3,318.46	697.24	160.37	715.43	1.96	1.89	1.47	
3,527.00	20.300	9.60	3,407.53	729.74	166.31	748.42	0.56	-0.11	-1.58	
3,621.00	21.700	14.10	3,495.29	762.67	173.26	782.07	2.27	1.49	4.79	
3,716.00	20.400	14.20	3,583.95	795.76	181.60	816.19	1.37	-1.37	0.11	
3,810.00	18.900	13.00	3,672.47	826.48	189.05	847.80	1.65	-1.60	-1.28	
3,905.00	18.300	10.50	3,762.51	856.14	195.23	878.08	1.05	-0.63	-2.63	
4,000.00	18.300	13.80	3,852.71	885.29	201.50	907.89	1.09	0.00	3.47	
4,095.00	19.300	15.90	3,942.64	914.87	209.36	938.49	1.27	1.05	2.21	
4,190.00	18.700	17.30	4,032.46	944.51	218.19	969.37	0.79	-0.63	1.47	
4,285.00	18.400	15.10	4,122.53	973.53	226.63	999.55	0.80	-0.32	-2.32	
4,380.00	19.300	13.40	4,212.44	1,003.27	234.17	1,030.23	1.11	0.95	-1.79	
4,475.00	18.700	15.00	4,302.26	1,033.26	241.75	1,061.16	0.84	-0.63	1.68	
4,570.00	19.200	14.00	4,392.11	1,063.12	249.47	1,092.00	0.63	0.53	-1.05	
4,665.00	19.200	12.90	4,481.83	1,093.51	256.74	1,123.24	0.38	0.00	-1.16	
4,760.00	17.800	12.00	4,571.92	1,122.94	263.25	1,153.38	1.50	-1.47	-0.95	
4,854.00	16.300	11.40	4,661.78	1,149.93	268.84	1,180.93	1.61	-1.60	-0.64	
4,949.00	15.000	17.80	4,753.26	1,174.70	275.23	1,206.51	2.27	-1.37	6.74	
5,044.00	14.100	13.30	4,845.22	1,197.67	281.66	1,230.34	1.52	-0.95	-4.74	

<b>Company:</b>	Bill Barrett Corp.	<b>Local Co-ordinate Reference:</b>	Well Dixon Federal 11D-23-692
<b>Project:</b>	Garfield Co., CO (NAD83)	<b>TVD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Site:</b>	Dixon SWNW-23-692	<b>MD Reference:</b>	WELL @ 5878.00ft (Original Well Elev)
<b>Well:</b>	Dixon Federal 11D-23-692	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	CompassVM

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)	
5,138.00	11.800	12.40	4,936.82	1,218.20	286.35	1,251.40	2.46	-2.45	-0.96	
5,233.00	10.800	12.10	5,029.98	1,236.39	290.31	1,270.02	1.05	-1.05	-0.32	
5,328.00	9.100	9.70	5,123.55	1,252.50	293.44	1,286.41	1.84	-1.79	-2.53	
5,422.00	8.300	18.80	5,216.47	1,266.26	296.88	1,300.59	1.69	-0.85	9.68	
5,517.00	6.200	19.70	5,310.71	1,277.58	300.82	1,312.51	2.21	-2.21	0.95	
5,612.00	4.800	16.80	5,405.27	1,286.21	303.69	1,321.58	1.50	-1.47	-3.05	
5,707.00	3.700	16.70	5,500.00	1,292.95	305.72	1,328.61	1.16	-1.16	-0.11	
5,802.00	1.600	19.70	5,594.90	1,297.14	307.05	1,332.98	2.21	-2.21	3.16	
5,897.00	1.400	13.40	5,689.86	1,299.52	307.77	1,335.46	0.27	-0.21	-6.63	
5,992.00	1.100	35.80	5,784.84	1,301.38	308.57	1,337.47	0.60	-0.32	23.58	
6,087.00	0.400	109.50	5,879.83	1,302.01	309.42	1,338.27	1.12	-0.74	77.58	
6,182.00	0.600	107.30	5,974.83	1,301.76	310.20	1,338.20	0.21	0.21	-2.32	
6,274.00	1.100	149.50	6,066.82	1,300.85	311.11	1,337.53	0.84	0.54	45.87	
6,368.00	0.900	157.10	6,160.81	1,299.39	311.86	1,336.29	0.25	-0.21	8.09	
6,463.00	1.400	169.20	6,255.79	1,297.57	312.36	1,334.63	0.58	0.53	12.74	
6,558.00	1.100	123.20	6,350.77	1,295.93	313.35	1,333.26	1.07	-0.32	-48.42	
6,653.00	0.400	174.20	6,445.76	1,295.10	314.14	1,332.64	0.95	-0.74	53.68	
6,747.00	0.900	122.20	6,539.75	1,294.38	314.80	1,332.09	0.77	0.53	-55.32	
6,842.00	1.700	144.20	6,634.73	1,292.84	316.26	1,330.93	0.98	0.84	23.16	
6,937.00	1.000	33.30	6,729.71	1,292.39	317.54	1,330.78	2.38	-0.74	-116.74	
7,032.00	1.100	346.10	6,824.70	1,293.97	317.77	1,332.37	0.89	0.11	-49.68	
7,127.00	0.800	349.80	6,919.69	1,295.50	317.43	1,333.79	0.32	-0.32	3.89	
7,222.00	0.900	251.10	7,014.68	1,295.91	316.61	1,334.00	1.36	0.11	-103.89	
7,317.00	0.700	272.00	7,109.67	1,295.69	315.33	1,333.49	0.37	-0.21	22.00	
<b>As of June 11</b>										
7,412.00	1.900	268.90	7,204.64	1,295.68	313.17	1,332.98	1.26	1.26	-3.26	
7,507.00	2.900	310.90	7,299.57	1,297.23	309.78	1,333.70	2.06	1.05	44.21	
7,601.00	1.900	300.30	7,393.48	1,299.57	306.64	1,335.25	1.16	-1.06	-11.28	
7,696.00	1.300	255.70	7,488.45	1,300.10	304.23	1,335.21	1.41	-0.63	-46.95	
7,791.00	1.200	183.40	7,583.43	1,298.84	303.13	1,333.73	1.55	-0.11	-76.11	
7,886.00	1.600	180.70	7,678.40	1,296.52	303.05	1,331.46	0.43	0.42	-2.84	
7,942.00	1.900	185.40	7,734.38	1,294.81	302.96	1,329.78	0.59	0.54	8.39	
7,992.00	1.900	185.40	7,784.35	1,293.16	302.80	1,328.13	0.00	0.00	0.00	
<b>Projected TD</b>										

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,317.00	7,109.67	1,295.69	315.33	As of June 11
7,992.00	7,784.35	1,293.16	302.80	Projected TD

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

<b>SDI Job #:</b>	20120609	<b>Report Time:</b>	2400	1 of 5
<b>COMPANY:</b>	Bill Barrett	<b>API JOB #</b>	05-045-21112	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>WORK ORDER#</b>	17012D	
<b>RIG NAME:</b>	Land Drilling	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>		
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692			

From Friday, June 08, 2012 at 0000 to Friday, June 08, 2012 at 2400

DRILLING SUMMARY				Drilling Parameters							
<b>Start Depth</b>	755.00	<b>Rotary Hours</b>	3.17	<b>WOB</b>	12	<b>Pick UP</b>	80	<b>Slack Off</b>	80	<b>SPM</b>	
<b>End Depth</b>	1598.00	<b>Circulating Hours</b>	0.08	<b>RAB</b>	80	<b>SPP</b>	2200	<b>FlowRate</b>	0 - 586		140
<b>Total Drilled:</b>	843.00	<b>Avg. Total ROP:</b>	180.64	<b>Mud Data</b>							
<b>Total Rotary Drilled:</b>	633.00	<b>Avg. Rotary ROP:</b>	199.89	Type	LSND	PV	11	<b>SOLID</b>		6.7	
<b>Total Drilled Sliding:</b>	210.00	<b>Avg. Slide ROP:</b>	140.00	Weight	9.3	<b>GAS</b>	0	YP	6	<b>BHT°</b>	0
<b>Slide Hours:</b>	1.50	<b>Percent Rotary:</b>	75.09	Viscosity	36	<b>SAND</b>	0.1	PH	8.8	<b>Flow T°</b>	0
<b>Below Rotary Hrs.</b>	8.75	<b>Percent Slide:</b>	24.91	Chlorides	900	WL	11.2			<b>Oil %</b>	0
<b>PERSONNEL</b>				<b>Casing</b>				<b>BHA</b>			
<b>Lead Directional :</b>	Bobby Wolf			Size	Lb/ft	Set Depth		BHA # 1:DSH516M-G1-Z 5x14, 6 1/2 Max Torque Fixed, UBHO, 6 1/2 NMDC, Gap Sub, 6 1/2 NMDC, 4 1/2in Spiral HWDP,			
<b>Second Directional :</b>	James Hope			9 5/8	32.3	0					
<b>MWD Operator1</b>	James Hope			Signature:							
<b>MWD Operator2</b>	Bobby Wolf										
<b>Directional Company:</b>	Sharewell Energy Services										
<b>Geologist:</b>											
<b>Company Man:</b>	Curtis Crowton			<b>Daily Cost</b>							
<b>Incl. In:</b>	0.37	<b>Azm. In:</b>	268.28	<b>Incl. Out:</b>	18.3	<b>Azm. Out:</b>	9	<b>Cummulative Cost:</b>			

**GENERAL COMMENT**

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
8-Jun-12	00:00	15:15	15.25	755	755	Standby	Standby - Wait on BOP Test/Rig Repair
8-Jun-12	15:15	16:40	1.42	755	755	Change BHA	P/U BHA/MWD
8-Jun-12	16:40	17:00	0.33	755	755	TIH	TIH t/ 500'
8-Jun-12	17:00	18:30	1.50	755	755	Other	Slip & Cut 10 wraps
8-Jun-12	18:30	19:30	1.00	755	801	Drilling	Drill Shoe Track
8-Jun-12	19:30	19:40	0.17	801	834	Drilling	Other
8-Jun-12	19:40	19:45	0.08	834	834	Survey & Conn.	Survey & Conn.@879' Inc 0.7° Azm 11.7°
8-Jun-12	19:45	20:05	0.33	834	929	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	20:05	20:10	0.08	929	929	Survey & Conn.	Survey & Conn.@879' Inc 0.7° Azm 11.7°
8-Jun-12	20:10	20:20	0.17	929	944	Sliding	Sliding - (WOB:12;GPM :586;RPM:45)
8-Jun-12	20:20	20:30	0.17	944	960	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	20:30	20:35	0.08	960	960	MWD Survey	MWD Survey@879' Inc 0.7° Azm 11.7°
8-Jun-12	20:35	20:40	0.08	960	975	Sliding	Sliding - (WOB:12;GPM :586;TFO:0)
8-Jun-12	20:40	20:45	0.08	975	1021	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	20:45	20:50	0.08	1021	1021	Survey & Conn.	Survey & Conn.@971' Inc 1.7° Azm 6.8°
8-Jun-12	20:50	20:55	0.08	1021	1021	Rig repair	Work on top drive
8-Jun-12	20:55	21:05	0.17	1021	1051	Sliding	Sliding - (WOB:12;GPM :586;TFO:15)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
8-Jun-12	21:05	21:15	0.17	1051	1115	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	21:15	21:20	0.08	1115	1115	Survey & Conn.	Survey & Conn.@1065' Inc 4.9° Azm 10.4°
8-Jun-12	21:20	21:30	0.17	1115	1140	Sliding	Sliding - (WOB:12;GPM :586;TFO:6))
8-Jun-12	21:30	21:45	0.25	1140	1210	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	21:45	21:50	0.08	1210	1210	Survey & Conn.	Survey & Conn.@1160' Inc 6.7° Azm 29.6°
8-Jun-12	21:50	22:05	0.25	1210	1240	Sliding	Sliding - (WOB:12;GPM :586;TFO:40L))
8-Jun-12	22:05	22:15	0.17	1240	1305	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	22:15	22:20	0.08	1305	1305	Survey & Conn.	Survey & Conn.@1255' Inc 9.4° Azm 17.3°
8-Jun-12	22:20	22:30	0.17	1305	1335	Sliding	Sliding - (WOB:12;GPM :586;TFO:30L))
8-Jun-12	22:30	22:45	0.25	1335	1400	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	22:45	22:50	0.08	1400	1400	Survey & Conn.	Survey & Conn.@1350' Inc 12.5° Azm 11.1°
8-Jun-12	22:50	23:00	0.17	1400	1425	Sliding	Sliding - (WOB:12;GPM :586;TFO:15L))
8-Jun-12	23:00	23:15	0.25	1425	1495	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	23:15	23:20	0.08	1495	1495	Survey & Conn.	Survey & Conn.@1445' Inc 14.7° Azm 7.4°
8-Jun-12	23:20	23:30	0.17	1495	1525	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))
8-Jun-12	23:30	23:50	0.33	1525	1588	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
8-Jun-12	23:50	24:00	0.17	1588	1598	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))

<b>SDI Job #:</b>	20120609	<b>Report Time:</b>	2400	2 of 5
<b>COMPANY:</b>	Bill Barrett	<b>API JOB #</b>	05-045-21112	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>WORK ORDER#</b>	17012D	
<b>RIG NAME:</b>	Land Drilling	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>		
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692			

From Saturday, June 09, 2012 at 0000 to Saturday, June 09, 2012 at 2400

DRILLING SUMMARY				Drilling Parameters							
<b>Start Depth</b>	1598.00	<b>Rotary Hours</b>	11.78	<b>WOB</b>	26	<b>Pick UP</b>	80	<b>Slack Off</b>	80	<b>SPM</b>	
<b>End Depth</b>	4715.00	<b>Circulating Hours</b>	0.00	<b>RAB</b>	80	<b>SPP</b>	2700	<b>FlowRate</b>	586 - 586		146
<b>Total Drilled:</b>	3117.00	<b>Avg. Total ROP:</b>	185.54	<b>Mud Data</b>							
<b>Total Rotary Drilled:</b>	2770.00	<b>Avg. Rotary ROP:</b>	235.08	Type	LSND	PV	29	<b>SOLID</b>		9.8	
<b>Total Drilled Sliding:</b>	347.00	<b>Avg. Slide ROP:</b>	69.17	Weight	9.7	<b>GAS</b>	43	YP	17	<b>BHT°</b>	135.3
<b>Slide Hours:</b>	5.02	<b>Percent Rotary:</b>	88.87	Viscosity	80	<b>SAND</b>	0.5	PH	9.6	<b>Flow T°</b>	0
<b>Below Rotary Hrs.</b>	24.00	<b>Percent Slide:</b>	11.13	Chlorides	700	WL	6.8			<b>Oil %</b>	0
PERSONNEL				Casing			BHA				
<b>Lead Directional :</b>	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 2:FX55M (5X16), 6 1/2 Max Torque Fixed, UBHO, 6 1/2 NMDC, Gap Sub, 6 1/2 NMDC, 4 1/2in Spiral HWDP,				
<b>Second Directional :</b>	James Hope			9 5/8	32.3	0					
<b>MWD Operator1</b>	James Hope			Signature:							
<b>MWD Operator2</b>	Bobby Wolf										
<b>Directional Company:</b>	Sharewell Energy Services										
<b>Geologist:</b>											
<b>Company Man:</b>	Curtis Crowton						<b>Daily Cost</b>				
<b>Incl. In:</b>	18.3	<b>Azm. In:</b>	9	<b>Incl. Out:</b>	19.4	<b>Azm. Out:</b>	12.9	<b>Cummulative Cost:</b>			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
9-Jun-12	00:00	00:15	0.25	1598	1682	Drilling	Drilling - (WOB:12;GPM :586;RPM:45)
9-Jun-12	00:15	00:20	0.08	1682	1682	Survey & Conn.	Survey & Conn.@1632' Inc 18.5° Azm 9.3°
9-Jun-12	00:20	00:25	0.08	1682	1692	Sliding	Sliding - (WOB:12;GPM :586;TFO:80))
9-Jun-12	00:25	00:55	0.50	1692	1777	Drilling	Drilling - (WOB:12;GPM :586;RPM:50)
9-Jun-12	00:55	01:00	0.08	1777	1777	Survey & Conn.	Survey & Conn.@1727' Inc 18.5° Azm 10°
9-Jun-12	01:00	01:10	0.17	1777	1792	Sliding	Sliding - (WOB:12;GPM :586;TFO:80))
9-Jun-12	01:10	01:25	0.25	1792	1872	Drilling	Drilling - (WOB:12;GPM :586;RPM:50)
9-Jun-12	01:25	01:30	0.08	1872	1872	Survey & Conn.	Survey & Conn.@1822' Inc 18.7° Azm 12.9°
9-Jun-12	01:30	01:50	0.33	1872	1892	Sliding	Sliding - (WOB:12;GPM :586;TFO:70))
9-Jun-12	01:50	02:00	0.17	1892	1967	Drilling	Drilling - (WOB:12;GPM :586;RPM:50)
9-Jun-12	02:00	02:05	0.08	1967	1967	Survey & Conn.	Survey & Conn.@1917' Inc 19.4° Azm 16.3°
9-Jun-12	02:05	02:30	0.42	1967	2062	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	02:30	02:35	0.08	2062	2062	Survey & Conn.	Survey & Conn.@2012' Inc 18.7° Azm 11.8°
9-Jun-12	02:35	02:45	0.17	2062	2072	Sliding	Sliding - (WOB:12;GPM :586;TFO:75))
9-Jun-12	02:45	03:05	0.33	2072	2157	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	03:05	03:10	0.08	2157	2157	Survey & Conn.	Survey & Conn.@2107' Inc 18.2° Azm 13.8°
9-Jun-12	03:10	03:20	0.17	2157	2177	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
9-Jun-12	03:20	03:35	0.25	2177	2251	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	03:35	03:40	0.08	2251	2251	Survey & Conn.	Survey & Conn.@2201' Inc 19.6° Azm 15°
9-Jun-12	03:40	03:45	0.08	2251	2263	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))
9-Jun-12	03:45	04:05	0.33	2263	2346	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	04:05	04:10	0.08	2346	2346	Survey & Conn.	Survey & Conn.@2296' Inc 19.8° Azm 17.7°
9-Jun-12	04:10	04:15	0.08	2346	2353	Sliding	Sliding - (WOB:12;GPM :586;TFO:290))
9-Jun-12	04:15	04:35	0.33	2353	2441	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	04:35	04:40	0.08	2441	2441	Survey & Conn.	Survey & Conn.@2391' Inc 19.7° Azm 14.1°
9-Jun-12	04:40	05:00	0.33	2441	2536	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	05:00	05:05	0.08	2536	2536	Survey & Conn.	Survey & Conn.@2486' Inc 18.7° Azm 15.1°
9-Jun-12	05:05	05:25	0.33	2536	2551	Sliding	Sliding - (WOB:12;GPM :586;TFO:340))
9-Jun-12	05:25	05:42	0.28	2551	2630	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	05:42	05:47	0.08	2630	2630	Survey & Conn.	Survey & Conn.@2580' Inc 19.2° Azm 14.7°
9-Jun-12	05:47	06:07	0.33	2630	2724	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	06:07	06:12	0.08	2724	2724	Survey & Conn.	Survey & Conn.@2674' Inc 18.5° Azm 16.8°
9-Jun-12	06:12	06:25	0.22	2724	2749	Sliding	Sliding - (WOB:12;GPM :586;TFO:340))
9-Jun-12	06:25	06:41	0.27	2749	2818	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	06:41	06:46	0.08	2818	2818	Survey & Conn.	Survey & Conn.@2768' Inc 18.9° Azm 13.8°
9-Jun-12	06:46	06:57	0.18	2818	2838	Sliding	Sliding - (WOB:12;GPM :586;TFO:50L))
9-Jun-12	06:57	07:13	0.27	2838	2913	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	07:13	07:18	0.08	2913	2913	Survey & Conn.	Survey & Conn.@2863' Inc 19.6° Azm 12.1°
9-Jun-12	07:18	07:38	0.33	2913	3008	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	07:38	07:43	0.08	3008	3008	Survey & Conn.	Survey & Conn.@2958' Inc 18.8° Azm 11.2°
9-Jun-12	07:43	07:59	0.27	3008	3028	Sliding	Sliding - (WOB:12;GPM :586;TFO:50L))
9-Jun-12	07:59	08:16	0.28	3028	3103	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	08:16	08:21	0.08	3103	3103	Survey & Conn.	Survey & Conn.@3053' Inc 20° Azm 11.9°
9-Jun-12	08:21	08:42	0.35	3103	3198	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	08:42	08:47	0.08	3198	3198	Survey & Conn.	Survey & Conn.@3148' Inc 18.9° Azm 13.4°
9-Jun-12	08:47	08:57	0.17	3198	3218	Sliding	Sliding - (WOB:12;GPM :586;TFO:20L))
9-Jun-12	08:57	09:13	0.27	3218	3293	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	09:13	09:18	0.08	3293	3293	Survey & Conn.	Survey & Conn.@3243' Inc 19.9° Azm 11.9°
9-Jun-12	09:18	09:41	0.38	3293	3387	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	09:41	09:46	0.08	3387	3387	Survey & Conn.	Survey & Conn.@3337' Inc 18.6° Azm 9.7°
9-Jun-12	09:46	10:11	0.42	3387	3410	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))
9-Jun-12	10:11	10:30	0.32	3410	3482	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	10:30	10:35	0.08	3482	3482	Survey & Conn.	Survey & Conn.@3432' Inc 20.4° Azm 11.1°
9-Jun-12	10:35	11:08	0.55	3482	3577	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	11:08	11:13	0.08	3577	3577	Survey & Conn.	Survey & Conn.@3527' Inc 20.3° Azm 9.6°
9-Jun-12	11:13	11:24	0.18	3577	3597	Sliding	Sliding - (WOB:12;GPM :586;TFO:0))
9-Jun-12	11:24	11:42	0.30	3597	3671	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	11:42	11:47	0.08	3671	3671	Survey & Conn.	Survey & Conn.@3621' Inc 21.7° Azm 14.1°
9-Jun-12	11:47	12:08	0.35	3671	3766	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	12:08	12:13	0.08	3766	3766	Survey & Conn.	Survey & Conn.@3716' Inc 20.4° Azm 14.2°
9-Jun-12	12:13	12:39	0.43	3766	3860	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	12:39	12:44	0.08	3860	3860	Survey & Conn.	Survey & Conn.@3810' Inc 18.9° Azm 13°
9-Jun-12	12:44	13:05	0.35	3860	3955	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	13:05	13:10	0.08	3955	3955	Survey & Conn.	Survey & Conn.@3905' Inc 18.3° Azm 10.5°
9-Jun-12	13:10	13:35	0.42	3955	3975	Sliding	Sliding - (WOB:12;GPM :586;TFO:50R))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
9-Jun-12	13:35	13:59	0.40	3975	4050	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	13:59	14:04	0.08	4050	4050	Survey & Conn.	Survey & Conn.@4000' Inc 18.3° Azm 13.8°
9-Jun-12	14:04	14:26	0.37	4050	4070	Sliding	Sliding - (WOB:12;GPM :586;TFO:50R))
9-Jun-12	14:26	14:46	0.33	4070	4145	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	14:46	14:58	0.20	4145	4145	Survey & Conn.	Survey & Conn.@4095' Inc 19.3° Azm 15.9°
9-Jun-12	14:58	15:33	0.58	4145	4240	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	15:33	15:38	0.08	4240	4240	Survey & Conn.	Survey & Conn.@4190' Inc 18.7° Azm 17.3°
9-Jun-12	15:38	15:56	0.30	4240	4260	Sliding	Sliding - (WOB:12;GPM :586;TFO:30L))
9-Jun-12	15:56	16:18	0.37	4260	4335	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	16:18	16:23	0.08	4335	4335	Survey & Conn.	Survey & Conn.@4285' Inc 18.4° Azm 15.1°
9-Jun-12	16:23	16:46	0.38	4335	4360	Sliding	Sliding - (WOB:12;GPM :586;TFO:40L))
9-Jun-12	16:46	17:08	0.37	4360	4430	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	17:08	17:13	0.08	4430	4430	Survey & Conn.	Survey & Conn.@4380' Inc 19.3° Azm 13.4°
9-Jun-12	17:13	17:43	0.50	4430	4525	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	17:43	17:48	0.08	4525	4525	Survey & Conn.	Survey & Conn.@4475' Inc 18.7° Azm 15°
9-Jun-12	17:48	18:30	0.70	4525	4550	Sliding	Sliding - (WOB:12;GPM :586;TFO:35L))
9-Jun-12	18:30	19:00	0.50	4550	4620	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	19:00	19:05	0.08	4620	4620	Survey & Conn.	Survey & Conn.@4570' Inc 19.2° Azm 14°
9-Jun-12	19:05	19:35	0.50	4620	4715	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
9-Jun-12	19:35	19:40	0.08	4715	4715	Survey & Conn.	Survey & Conn.@4570' Inc 19.2° Azm 14°
9-Jun-12	19:40	22:45	3.08	4715	4715	POOH	POOH
9-Jun-12	22:45	23:00	0.25	4715	4715	Change BHA	Change Bit
9-Jun-12	23:00	24:00	1.00	4715	4715	TIH	TIH

<b>SDI Job #:</b>	20120609	<b>Report Time:</b>	2400	3 of 5
<b>COMPANY:</b>	Bill Barrett	<b>API JOB #</b>	05-045-21112	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>WORK ORDER#</b>	17012D	
<b>RIG NAME:</b>	Land Drilling	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>		
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692			

From Sunday, June 10, 2012 at 0000 to Sunday, June 10, 2012 at 2400

DRILLING SUMMARY				Drilling Parameters							
<b>Start Depth</b>	4715.00	<b>Rotary Hours</b>	13.00	<b>WOB</b>	26	<b>Pick UP</b>	90	<b>Slack Off</b>	90	<b>SPM</b>	
<b>End Depth</b>	6977.00	<b>Circulating Hours</b>	0.08	<b>RAB</b>	90	<b>SPP</b>	3100	<b>FlowRate</b>	586 - 586	140	
<b>Total Drilled:</b>	2262.00	<b>Avg. Total ROP:</b>	124.86	<b>Mud Data</b>							
<b>Total Rotary Drilled:</b>	2008.00	<b>Avg. Rotary ROP:</b>	154.46	Type	LSND	PV	18	<b>SOLID</b>	13.3		
<b>Total Drilled Sliding:</b>	254.00	<b>Avg. Slide ROP:</b>	49.64	Weight	10.2	<b>GAS</b>	32	YP	24	<b>BHT°</b>	145.9
<b>Slide Hours:</b>	5.12	<b>Percent Rotary:</b>	88.77	Viscosity	57	<b>SAND</b>	0.75	PH	9.7	<b>Flow T°</b>	0
<b>Below Rotary Hrs.</b>	24.00	<b>Percent Slide:</b>	11.23	Chlorides	800	WL	8			<b>Oil %</b>	0
PERSONNEL				Casing			BHA				
<b>Lead Directional :</b>	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 2:FX55M (5X16), 6 1/2 Max Torque Fixed, UBHO, 6 1/2 NMDC, Gap Sub, 6 1/2 NMDC, 4 1/2in Spiral HWDP,				
<b>Second Directional :</b>	James Hope			9 5/8	32.3	0					
<b>MWD Operator1</b>	James Hope			Signature:							
<b>MWD Operator2</b>	Bobby Wolf										
<b>Directional Company:</b>	Sharewell Energy Services										
<b>Geologist:</b>											
<b>Company Man:</b>	Curtis Crowton						<b>Daily Cost</b>				
<b>Incl. In:</b>	19.4	<b>Azm. In:</b>	12.9	<b>Incl. Out:</b>	1.1	<b>Azm. Out:</b>	93.8	<b>Cummulative Cost:</b>			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
10-Jun-12	00:00	04:00	4.00	4715	4715	TIH	TIH
10-Jun-12	04:00	04:05	0.08	4715	4715	Circulating	Circulating
10-Jun-12	04:05	04:07	0.03	4715	4715	Connection	Connection
10-Jun-12	04:07	04:45	0.63	4715	4810	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	04:45	04:50	0.08	4810	4810	Survey & Conn.	Survey & Conn.@4760' Inc 17.8° Azm 12°
10-Jun-12	04:50	05:35	0.75	4810	4904	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	05:35	05:40	0.08	4904	4904	Survey & Conn.	Survey & Conn.@4854' Inc 16.3° Azm 11.4°
10-Jun-12	05:40	05:49	0.15	4904	4919	Sliding	Sliding - (WOB:12;GPM :586;TFO:60R))
10-Jun-12	05:49	06:13	0.40	4919	4999	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	06:13	06:18	0.08	4999	4999	Survey & Conn.	Survey & Conn.@4949' Inc 15° Azm 17.8°
10-Jun-12	06:18	06:34	0.27	4999	5014	Sliding	Sliding - (WOB:12;GPM :586;TFO:90L))
10-Jun-12	06:34	07:01	0.45	5014	5094	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	07:01	07:06	0.08	5094	5094	Survey & Conn.	Survey & Conn.@5044' Inc 14.1° Azm 13.3°
10-Jun-12	07:06	07:31	0.42	5094	5188	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	07:31	07:36	0.08	5188	5188	Survey & Conn.	Survey & Conn.@5138' Inc 11.8° Azm 12.4°
10-Jun-12	07:36	08:00	0.40	5188	5283	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	08:00	08:05	0.08	5283	5283	Survey & Conn.	Survey & Conn.@5233' Inc 10.8° Azm 12.1°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
10-Jun-12	08:05	08:35	0.50	5283	5378	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	08:35	08:40	0.08	5378	5378	Survey & Conn.	Survey & Conn.@5328' Inc 9.1° Azm 9.7°
10-Jun-12	08:40	09:00	0.33	5378	5393	Sliding	Sliding - (WOB:12;GPM :586;TFO:120R))
10-Jun-12	09:00	09:29	0.48	5393	5472	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	09:29	09:34	0.08	5472	5472	Survey & Conn.	Survey & Conn.@5422' Inc 8.3° Azm 18.8°
10-Jun-12	09:34	09:53	0.32	5472	5489	Sliding	Sliding - (WOB:12;GPM :586;TFO:160L))
10-Jun-12	09:53	10:17	0.40	5489	5567	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	10:17	10:22	0.08	5567	5567	Survey & Conn.	Survey & Conn.@5517' Inc 6.2° Azm 19.7°
10-Jun-12	10:22	10:48	0.43	5567	5587	Sliding	Sliding - (WOB:12;GPM :586;TFO:160L))
10-Jun-12	10:48	11:11	0.38	5587	5662	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	11:11	11:16	0.08	5662	5662	Survey & Conn.	Survey & Conn.@5612' Inc 4.8° Azm 16.8°
10-Jun-12	11:16	11:44	0.47	5662	5687	Sliding	Sliding - (WOB:12;GPM :586;TFO:180))
10-Jun-12	11:44	12:08	0.40	5687	5757	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	12:08	12:13	0.08	5757	5757	Survey & Conn.	Survey & Conn.@5707' Inc 3.7° Azm 16.7°
10-Jun-12	12:13	12:57	0.73	5757	5780	Sliding	Sliding - (WOB:12;GPM :586;TFO:180))
10-Jun-12	12:57	13:21	0.40	5780	5852	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	13:21	13:26	0.08	5852	5852	Survey & Conn.	Survey & Conn.@5802' Inc 1.6° Azm 19.7°
10-Jun-12	13:26	13:58	0.53	5852	5947	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	13:58	14:03	0.08	5947	5947	Survey & Conn.	Survey & Conn.@5897' Inc 1.4° Azm 13.4°
10-Jun-12	14:03	14:39	0.60	5947	6042	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	14:39	14:44	0.08	6042	6042	Survey & Conn.	Survey & Conn.@5992' Inc 1.1° Azm 35.8°
10-Jun-12	14:44	15:20	0.60	6042	6137	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	15:20	15:25	0.08	6137	6137	Survey & Conn.	Survey & Conn.@6087' Inc 0.4° Azm 109.5°
10-Jun-12	15:25	16:04	0.65	6137	6232	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	16:04	16:09	0.08	6232	6232	Survey & Conn.	Survey & Conn.@6182' Inc 0.6° Azm 107.3°
10-Jun-12	16:09	17:04	0.92	6232	6274	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	17:04	17:09	0.08	6274	6274	Survey & Conn.	Survey & Conn.@6182' Inc 0.6° Azm 107.3°
10-Jun-12	17:09	17:56	0.78	6274	6418	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	17:56	18:01	0.08	6418	6418	Survey & Conn.	Survey & Conn.@6368' Inc 0.9° Azm 157.1°
10-Jun-12	18:01	18:45	0.73	6418	6513	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	18:45	18:48	0.05	6513	6513	Survey & Conn.	Survey & Conn.@6463' Inc 1.4° Azm 169.2°
10-Jun-12	18:48	19:15	0.45	6513	6534	Sliding	Sliding - (WOB:12;GPM :586;TFO:360))
10-Jun-12	19:15	19:45	0.50	6534	6608	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	19:45	19:48	0.05	6608	6608	Survey & Conn.	Survey & Conn.@6558' Inc 1.1° Azm 123.2°
10-Jun-12	19:48	20:20	0.53	6608	6633	Sliding	Sliding - (WOB:26;GPM :586;TFO:360))
10-Jun-12	20:20	20:54	0.57	6633	6703	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	20:54	20:57	0.05	6703	6703	Survey & Conn.	Survey & Conn.@6653' Inc 0.4° Azm 174.2°
10-Jun-12	20:57	21:35	0.63	6703	6728	Sliding	Sliding - (WOB:26;GPM :586;TFO:360))
10-Jun-12	21:35	22:06	0.52	6728	6797	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	22:06	22:10	0.07	6797	6797	Survey & Conn.	Survey & Conn.@6747' Inc 0.9° Azm 122.2°
10-Jun-12	22:10	22:50	0.67	6797	6892	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	22:50	22:53	0.05	6892	6892	Survey & Conn.	Survey & Conn.@6842' Inc 1.7° Azm 144.2°
10-Jun-12	22:53	23:26	0.55	6892	6925	Sliding	Sliding - (WOB:26;GPM :586;TFO:360))
10-Jun-12	23:26	23:45	0.32	6925	6957	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
10-Jun-12	23:45	24:00	0.25	6957	6977	Sliding	Sliding - (WOB:26;GPM :586;TFO:360)

<b>SDI Job #:</b>	20120609	<b>Report Time:</b>	2400	4 of 5
<b>COMPANY:</b>	Bill Barrett	<b>API JOB #</b>	05-045-21112	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>WORK ORDER#</b>	17012D	
<b>RIG NAME:</b>	Land Drilling	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>		
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692			

From Monday, June 11, 2012 at 0000 to Monday, June 11, 2012 at 2400

DRILLING SUMMARY				Drilling Parameters							
<b>Start Depth</b>	6977.00	<b>Rotary Hours</b>	10.13	<b>WOB</b>	26	<b>Pick UP</b>	90	<b>Slack Off</b>	90	<b>SPM</b>	
<b>End Depth</b>	7992.00	<b>Circulating Hours</b>	2.92	<b>RAB</b>	90	<b>SPP</b>	3200	<b>FlowRate</b>	586 - 586	140	
<b>Total Drilled:</b>	1015.00	<b>Avg. Total ROP:</b>	94.27	<b>Mud Data</b>							
<b>Total Rotary Drilled:</b>	985.00	<b>Avg. Rotary ROP:</b>	97.20	Type	LSND	PV	24	<b>SOLID</b>	14.8		
<b>Total Drilled Sliding:</b>	30.00	<b>Avg. Slide ROP:</b>	47.37	Weight	10.4	<b>GAS</b>	2106	YP	10	<b>BHT°</b>	158.5
<b>Slide Hours:</b>	0.63	<b>Percent Rotary:</b>	97.04	Viscosity	65	<b>SAND</b>	0.6	PH	9.6	<b>Flow T°</b>	0
<b>Below Rotary Hrs.</b>	24.00	<b>Percent Slide:</b>	2.96	Chlorides	800	WL	6.4			<b>Oil %</b>	0
PERSONNEL				Casing			BHA				
<b>Lead Directional :</b>	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 3:FX55 (5X16), 6 1/2 Max Torque Fixed, UBHO, 6 1/2 NMDC, Gap Sub, 6 1/2 NMDC, 4 1/2in Spiral HWDP,				
<b>Second Directional :</b>	James Hope			9 5/8	32.3	0					
<b>MWD Operator1</b>	James Hope										
<b>MWD Operator2</b>	Bobby Wolf										
<b>Directional Company:</b>	Sharewell Energy Services										
<b>Geologist:</b>				Signature:							
<b>Company Man:</b>	Curtis Crowton						<b>Daily Cost</b>				
<b>Incl. In:</b>	1.1	<b>Azm. In:</b>	93.8	<b>Incl. Out:</b>	1.9	<b>Azm. Out:</b>	185.4	<b>Cummulative Cost:</b>			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
11-Jun-12	00:00	00:15	0.25	6977	6987	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	00:15	00:18	0.05	6987	6987	Survey & Conn.	Survey & Conn.@6937' Inc 1° Azm 33.3°
11-Jun-12	00:18	01:15	0.95	6987	7082	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	01:15	01:17	0.03	7082	7082	Survey & Conn.	Survey & Conn.@7032' Inc 1.1° Azm 346.1°
11-Jun-12	01:17	02:05	0.80	7082	7177	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	02:05	02:08	0.05	7177	7177	Survey & Conn.	Survey & Conn.@7127' Inc 0.8° Azm 349.8°
11-Jun-12	02:08	03:00	0.87	7177	7272	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	03:00	03:03	0.05	7272	7272	Survey & Conn.	Survey & Conn.@7222' Inc 0.9° Azm 251.1°
11-Jun-12	03:03	04:15	1.20	7272	7367	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	04:15	04:18	0.05	7367	7367	Survey & Conn.	Survey & Conn.@7317_Inc .7°_Azm 0°
11-Jun-12	04:18	05:05	0.78	7367	7408	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	05:05	08:00	2.92	7408	7408	POOH	POOH
11-Jun-12	08:00	08:20	0.33	7408	7408	Change BHA	Change Bit
11-Jun-12	08:20	11:40	3.33	7408	7408	TIH	TIH
11-Jun-12	11:40	12:11	0.52	7408	7462	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	12:11	12:16	0.08	7462	7462	Survey & Conn.	Survey & Conn.@7317_Inc 1.9°_Azm 268.9°
11-Jun-12	12:16	12:54	0.63	7462	7492	Sliding	Sliding - (WOB:26;GPM :586;TFO:30M))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
11-Jun-12	12:54	13:21	0.45	7492	7557	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	13:21	13:26	0.08	7557	7557	Survey & Conn.	Survey & Conn.@7317_Inc 2.9°_Azm °
11-Jun-12	13:26	14:15	0.82	7557	7651	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	14:15	14:20	0.08	7651	7651	Survey & Conn.	Survey & Conn.@7317_Inc 1.9°_Azm 300.3°
11-Jun-12	14:20	15:22	1.03	7651	7746	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	15:22	15:27	0.08	7746	7746	Survey & Conn.	Survey & Conn.@7317_Inc 1.3°_Azm 255.7°
11-Jun-12	15:27	16:33	1.10	7746	7841	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	16:33	16:38	0.08	7841	7841	Survey & Conn.	Survey & Conn.@7317_Inc 1.2°_Azm °
11-Jun-12	16:38	17:40	1.03	7841	7936	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	17:40	17:45	0.08	7936	7936	Survey & Conn.	Survey & Conn.@7317_Inc 1.6°_Azm 180.7°
11-Jun-12	17:45	18:05	0.33	7936	7992	Drilling	Drilling - (WOB:26;GPM :586;RPM:50)
11-Jun-12	18:05	18:08	0.05	7992	7992	MWD Survey	MWD Survey@7317_Inc 1.9°_Azm 185.4°
11-Jun-12	18:08	19:30	1.37	7992	7992	Circulating	Circulating
11-Jun-12	19:30	22:00	2.50	7992	7992	Short Trip	Short Trip 25 Stnds
11-Jun-12	22:00	23:30	1.50	7992	7992	Circulating	Circulating
11-Jun-12	23:30	24:00	0.50	7992	7992	POOH	POOH

<b>SDI Job #:</b>	20120609	<b>Report Time:</b>	2400	5 of 5
<b>COMPANY:</b>	Bill Barrett	<b>API JOB #</b>	05-045-21112	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>WORK ORDER#</b>	17012D	
<b>RIG NAME:</b>	Land Drilling	<b>FIELD:</b>	Mamm Creek	
<b>STATE:</b>	Colorado	<b>Sec-Twn-Rng:</b>		
<b>COUNTY:</b>	Garfield	<b>AFE# &amp; District</b>		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692			

From Tuesday, June 12, 2012 at 0000 to Tuesday, June 12, 2012 at 2400

DRILLING SUMMARY				Drilling Parameters							
<b>Start Depth</b>	6977.00	<b>Rotary Hours</b>	10.13	<b>WOB</b>	26	<b>Pick UP</b>	90	<b>Slack Off</b>	90	<b>SPM</b>	
<b>End Depth</b>	7992.00	<b>Circulating Hours</b>	2.92	<b>RAB</b>	90	<b>SPP</b>	3200	<b>FlowRate</b>	586 - 586	140	
<b>Total Drilled:</b>	1015.00	<b>Avg. Total ROP:</b>	94.27	<b>Mud Data</b>							
<b>Total Rotary Drilled:</b>	985.00	<b>Avg. Rotary ROP:</b>	97.20	Type	LSND	PV	24	<b>SOLID</b>	14.8		
<b>Total Drilled Sliding:</b>	30.00	<b>Avg. Slide ROP:</b>	47.37	Weight	10.4	<b>GAS</b>	2106	YP	10	<b>BHT°</b>	158.5
<b>Slide Hours:</b>	0.63	<b>Percent Rotary:</b>	97.04	Viscosity	65	<b>SAND</b>	0.6	PH	9.6	<b>Flow T°</b>	0
<b>Below Rotary Hrs.</b>	24.00	<b>Percent Slide:</b>	2.96	Chlorides	800	WL	6.4		<b>Oil %</b>	0	

PERSONNEL				Casing			BHA		
<b>Lead Directional :</b>	Bobby Wolf			<b>Size</b>	<b>Lb/ft</b>	<b>Set Depth</b>	BHA # 3:FX55 (5X16), 6 1/2 Max Torque Fixed, UBHO, 6 1/2 NMDC, Gap Sub, 6 1/2 NMDC, 4 1/2in Spiral HWDP,		
<b>Second Directional :</b>	James Hope			9 5/8	32.3	0			
<b>MWD Operator1</b>	James Hope								
<b>MWD Operator2</b>	Bobby Wolf								
<b>Directional Company:</b>	Sharewell Energy Services								
<b>Geologist:</b>				Signature:					
<b>Company Man:</b>	Curtis Crowton						<b>Daily Cost</b>		
<b>Incl. In:</b>	1.9	<b>Azm. In:</b>	185.4	<b>Incl. Out:</b>	1.9	<b>Azm. Out:</b>	185.4	<b>Cummulative Cost:</b>	

**GENERAL COMMENT**

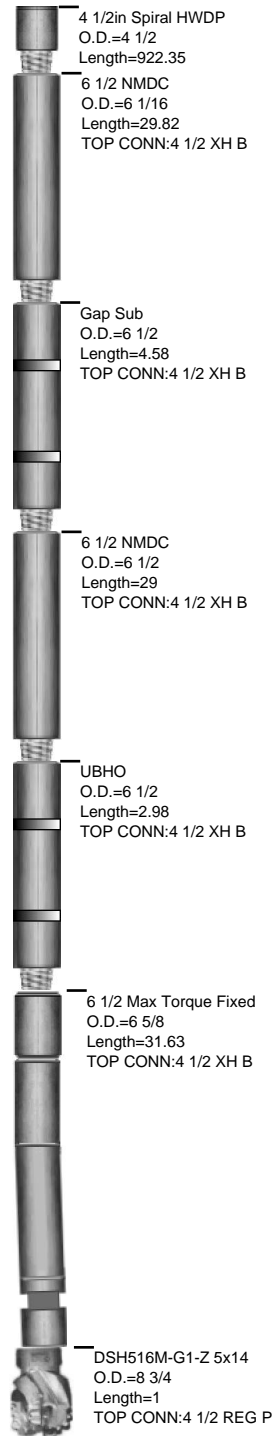
Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
12-Jun-12	00:00	03:00	3.00	7992	7992	POOH	POOH
12-Jun-12	03:00	03:30	0.50	7992	7992	Other	L/D BHA/MWD

# Well Information

BHA #	1
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<b>SDI Job #:</b> 20120609	<b>FIELD:</b> Mamm Creek
<b>COMPANY:</b> Bill Barrett	<b>Sec-Twn-Rng:</b>
<b>LOCATION:</b> Dixon SWNW-23-692	<b>AFE# &amp; District:</b>
<b>RIG NAME:</b> Land Drilling	
<b>STATE:</b> Colorado	
<b>COUNTY:</b> Garfeild	<b>BHA TYPE:</b> Steerable Assembly
<b>WELL NAME:</b> Dixon Federal 11D-23-692	

Motor has 1 Run and 21.55 D&C Hrs.



# Well Information

**BHA #** 1

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** Dixon Federal 11D-23-692

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

## BHA Summary Information

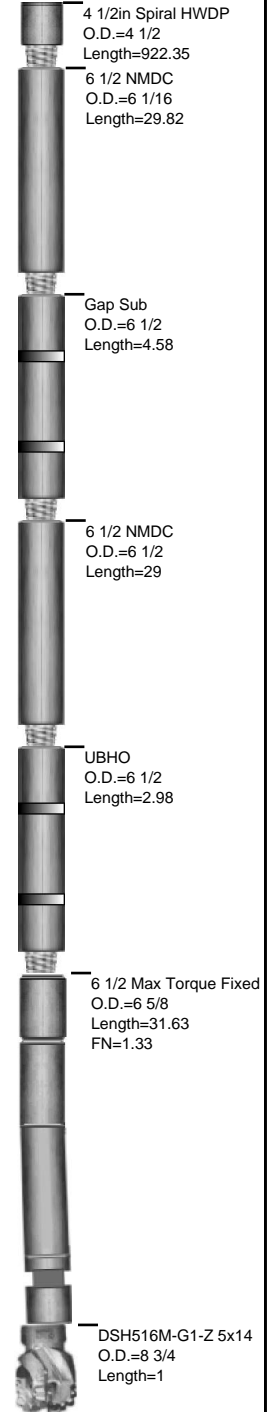
TIME IN - OUT		Rotary Hours	14.95	Start Depth	755.00	RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only	21.55 / .08	End Depth	4715.00	Range	Rate
08-Jun-12 @ 16:40	09-Jun-12 @ 23:00	Slide Hours	6.52	Percent Rotary:	85.93	0 -50	586 -586
		Below Rotary Hrs.	30.33	Percent Slide:	14.07		
Total Drilled:		3960.00	Avg. Total ROP:	184.47	Incl.	Azimuth	
Total Rotary Drilled:		3403.00	Avg. Rotary ROP:	227.63	IN	OUT	IN
Total Drilled Sliding:		557.00	Avg. Slide ROP:	85.47	.0	.0	.00
<b>SPP</b>	0 -2700	<b>Weights</b>	<b>SO</b> 80 -80	<b>PU</b> 80 -80	<b>RAB</b> 80 -80	<b>Reason POOH</b>	

Bit Data				Motor Data				Mud Data					
REED	DSH516M-G1-Z 5x14			6.5mtr,3.3stg,7/8lobe,,16rev,1.83fixed				Type	LSND				
Type Bit		PDC		Model: Max Torque, HR		Pad OD		WT	9.7	GAS	43	Solids	9.8
TFA	0.751		MFG. Hunting		6 1/2		Vis	80	SAND	0.5	T °	0	
JETS		14	14	14	14	14	Bend °	1.83	Stator/Rotor	7/8		PV	29
		0	0	0	0	0	Bit to Bend	6	Motor Diff	450		Chlor	700
Bit Coding		IADC#		Rev/GAL	0.16				BHT°		135.3		
IR	OR	DL	Loc	BS	G	ODL	NB Stab	0		<b>Pumps</b>		<b>PUMP1</b>	
0	0						Rotor Jet	0		NAME		H&H 1600	
Bit Drop:		544 PSI @ 586 GPM		Sensor Offsets						Model		H&H 1600	
										Type		Triplex	
										Liner		6.00	
										Stroke		12.00	
										Efficiency		95.00	

Motor has 1 Run and 21.55 D&C Hrs.

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	DSH516M-G1-Z 5x14	A154248		8 3/4	1.00	1.00	4 1/2 REGP
2	6 1/2 Max Torque Fixed	6325		6 5/8	31.63	32.63	4 1/2 XHB
3	UBHO	UB 63046	2 7/8	6 1/2	2.98	35.61	4 1/2 XHB
4	6 1/2 NMDC	39528	3 1/4	6 1/2	29.00	64.61	4 1/2 XHB
5	Gap Sub	G6511	3 1/4	6 1/2	4.58	69.19	4 1/2 XHB
6	6 1/2 NMDC	NA1	3 5/16	6 1/16	29.82	99.01	4 1/2 XHB
7	4 1/2in Spiral HWDP	Rig 37	2 7/8	4 1/2	922.35	1021.36	4 1/2 XHB



# Well Information

**BHA #** 2

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** Dixon Federal 11D-23-692

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

## BHA Summary Information

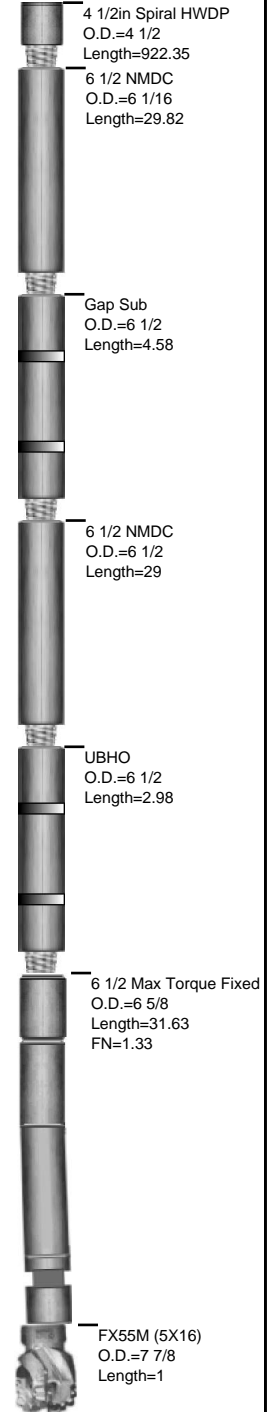
TIME IN - OUT		Rotary Hours	17.85	Start Depth	4715.00	RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only	23.05 / .08	End Depth	7408.00	Range	Rate
09-Jun-12 @ 23:00	11-Jun-12 @ 08:20	Slide Hours	5.12	Percent Rotary:	90.57	0 -50	586 -586
		Below Rotary Hrs.	33.33	Percent Slide:	9.43		
Total Drilled:		2693.00	Avg. Total ROP:	117.26	Incl.	Azimuth	
Total Rotary Drilled:		2439.00	Avg. Rotary ROP:	136.64	IN	OUT	IN
Total Drilled Sliding:		254.00	Avg. Slide ROP:	49.64	.0	.0	.00
SPP	2700 -3200	Weights	SO	80 -90	PU	80 -90	RAB
							Reason POOH

Bit Data				Motor Data				Mud Data						
Security	FX55M (5X16)			6.5mtr,3.3stg,7/8lobe,,16rev,1.83fixed				Type	LSND					
Type Bit	PDC			Model: Max Torque, HR		Pad OD		WT	10.2	GAS	32	Solids	13.3	
TFA	0.981			MFG. Hunting		6 1/2		Vis	57	SAND	0.75	T °	0	
JETS	16	16	16	16	Bend °	1.83	Stator/Rotor	7/8	PV	18	PH	9.7	Chlor	800
	0	0	0	0	Bit to Bend	6	Motor Diff	450	YP	24	WL	8	Oil %	0
Bit Coding		IADC#		Rev/GAL	0.16			BHT°		145.9				
IR	OR	DL	Loc	BS	G	ODL	NB Stab	0	Pumps		PUMP1		PUMP1	
0	0						Rotor Jet	0	NAME	H&H 1600		H&H 1600		
Bit Drop:		335 PSI @ 586 GPM		Sensor Offsets				Type	Triplex		Triplex			
Comments		Sensor	50	Sonic	0		Liner	6.00		6.00				
		Gamma	0	DNCS	4713		Stroke	12.00		12.00				
		Restiv	0	GYRO	0		Efficiency	95.00		95.00				

Motor has 2 Run and 44.60 D&C Hrs.

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FX55M (5X16)	11567161		7 7/8	1.00	1.00	4 1/2 REGP
2	6 1/2 Max Torque Fixed	6325		6 5/8	31.63	32.63	4 1/2 XHB
3	UBHO	UB 63046	2 7/8	6 1/2	2.98	35.61	4 1/2 XHB
4	6 1/2 NMDC	39528	3 1/4	6 1/2	29.00	64.61	4 1/2 XHB
5	Gap Sub	G6511	3 1/4	6 1/2	4.58	69.19	4 1/2 XHB
6	6 1/2 NMDC	NA1	3 5/16	6 1/16	29.82	99.01	4 1/2 XHB
7	4 1/2in Spiral HWDP	Rig 37	2 7/8	4 1/2	922.35	1021.36	4 1/2 XHB



# Well Information

**BHA #** 3

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Garfield  
**WELL NAME:** Dixon Federal 11D-23-692

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

## BHA Summary Information

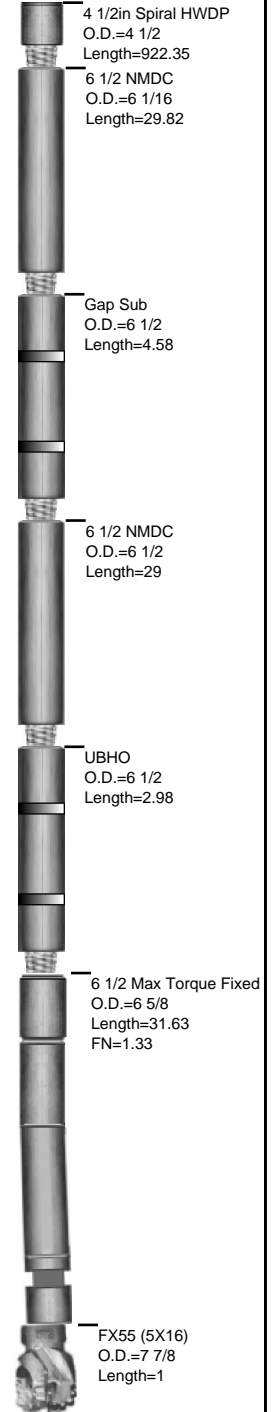
TIME IN - OUT		Rotary Hours	5.28	Start Depth	7408.00	RPM	Flow
Start Time	End Time	Circ Hrs Tot/Only	8.83 / 2.92	End Depth	7992.00	Range	Rate
11-Jun-12 @ 08:20	12-Jun-12 @ 03:30	Slide Hours	.63	Percent Rotary:	94.86	50 -50	586 -586
		Below Rotary Hrs.	19.17	Percent Slide:	5.14		
Total Drilled:		584.00	Avg. Total ROP:	98.70	Incl.	Azimuth	
Total Rotary Drilled:		554.00	Avg. Rotary ROP:	104.86	IN	OUT	IN
Total Drilled Sliding:		30.00	Avg. Slide ROP:	47.37	.0	.0	.00
SPP	3200 -3200	Weights	SO	90 -90	PU	90 -90	RAB
							Reason POOH

Bit Data				Motor Data				Mud Data					
Security	FX55 (5X16)			6.5mtr,3.3stg,7/8lobe,,16rev,1.83fixed				Type	LSND				
Type Bit	PDC			Model:	Max Torque, HR			Pad OD	WT 10.4 GAS 2106 Solids 14.8				
TFA	0.981			MFG.	Hunting				Vis 65 SAND 0.6 T° 0				
JETS	16	16	16	Bend °	1.83	Stator/Rotor	7/8	PV	24	PH	9.6	Chlor	800
	0	0	0	Bit to Bend	6	Motor Diff	450	YP	10	WL	6.4	Oil %	0
Bit Coding		IADC#		Rev/GAL	0.16			BHT°		158.5			
IR	OR	DL	Loc	BS	G	ODL	NB Stab	Pumps		PUMP1		PUMP1	
0	0						0	NAME	H&H 1600		H&H 1600		
Bit Drop:		342 PSI @ 586 GPM		Sensor Offsets				Model	H&H 1600		H&H 1600		
								Type	Triplex		Triplex		
								Liner	6.00		6.00		
								Stroke	12.00		12.00		
								Efficiency	95.00		95.00		

Motor has 2 Run and 44.60 D&C Hrs.

## BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FX55 (5X16)	12008455		7 7/8	1.00	1.00	4 1/2 REGP
2	6 1/2 Max Torque Fixed	6325		6 5/8	31.63	32.63	4 1/2 XHB
3	UBHO	UB 63046	2 7/8	6 1/2	2.98	35.61	4 1/2 XHB
4	6 1/2 NMDC	39528	3 1/4	6 1/2	29.00	64.61	4 1/2 XHB
5	Gap Sub	G6511	3 1/4	6 1/2	4.58	69.19	4 1/2 XHB
6	6 1/2 NMDC	NA1	3 5/16	6 1/16	29.82	99.01	4 1/2 XHB
7	4 1/2in Spiral HWDP	Rig 37	2 7/8	4 1/2	922.35	1021.36	4 1/2 XHB



SDI Job #: 20120609  
 COMPANY: Bill Barrett  
 LOCATION: Dixon SWNW-23-692  
 RIG NAME: Land Drilling  
 STATE: Colorado  
 COUNTY: Garfeild  
 WELL NAME: Dixon Federal 11D-23-692

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



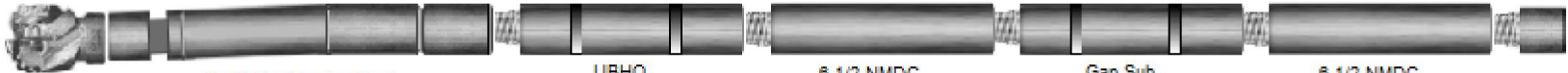
COMMENT		

## 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	08-Jun-12 @ 16:40	09-Jun-12 @ 23:00	30.33	755.0	4715.0	3403.0	557.0	3960.0	184.47	227.6	85.5	0-50	586-586	.0	.0	.0	.0	80-80	80-80	80-80
			Hours>	14.95	6.52	21.47														

DSH516M-G1-Z 5x14  
 O.D.=8 3/4  
 Length=1

4 1/2in Spiral HWDP  
 O.D.=4 1/2  
 Length=922.35



6 1/2 Max Torque Fixed  
 O.D.=6 5/8  
 Length=31.63

UBHO  
 O.D.=6 1/2  
 Length=2.98

6 1/2 NMDC  
 O.D.=6 1/2  
 Length=29

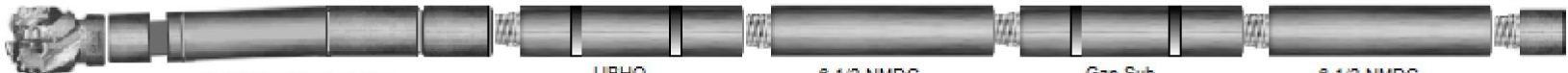
Gap Sub  
 O.D.=6 1/2  
 Length=4.58

6 1/2 NMDC  
 O.D.=6 1/16  
 Length=29.82

#	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	09-Jun-12 @ 23:00	11-Jun-12 @ 08:20	33.33	4715.0	7408.0	2439.0	254.0	2693.0	117.26	136.6	49.6	0-50	586-586	.0	.0	.0	.0	80-90	80-90	80-90
			Hours>	17.85	5.12	22.97														

FX55M (5X16)  
 O.D.=7 7/8  
 Length=1

4 1/2in Spiral HWDP  
 O.D.=4 1/2  
 Length=922.35



6 1/2 Max Torque Fixed  
 O.D.=6 5/8  
 Length=31.63

UBHO  
 O.D.=6 1/2  
 Length=2.98

6 1/2 NMDC  
 O.D.=6 1/2  
 Length=29

Gap Sub  
 O.D.=6 1/2  
 Length=4.58

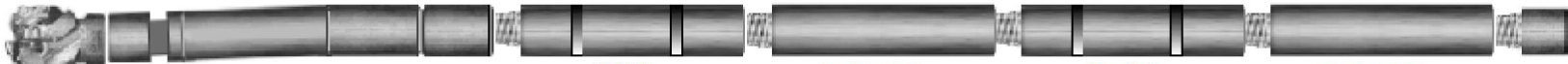
6 1/2 NMDC  
 O.D.=6 1/16  
 Length=29.82

# 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
3	11-Jun-12 @ 08:20	12-Jun-12 @ 03:30	19.17	7408.0	7992.0	554.0	30.0	584.0	98.70	104.9	47.4	50-50	586-586	.0	.0	.0	.0	90-90	90-90	90-90
				Hours>		5.28	0.63	5.92												

FX55 (5X18)  
O.D.=7 7/8  
Length=1

4 1/2in Spiral HWDP  
O.D.=4 1/2  
Length=922.35



6 1/2 Max Torque Fixed  
O.D.=6 5/8  
Length=31.63

UBHO  
O.D.=6 1/2  
Length=2.98

6 1/2 NMDC  
O.D.=6 1/2  
Length=29

Gap Sub  
O.D.=6 1/2  
Length=4.58

6 1/2 NMDC  
O.D.=6 1/16  
Length=29.82

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Country  
**WELL NAME:** Dixon Federal 11D-23-692

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

MOTOR INFORMATION	
Desc: 6.5mtr,3.3stg,7/8lobe,.16rev,1.83fixed	
Bent Hsg/Sub: 1.8 / 0	Bit to Bend: 6
PAD OD: 6 1/2	NB Stab:

### Slide Report for all BHA's in Job: 20120609

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	8-Jun	Drilling	18:30	19:30	1.00	755	801	46	12	46.0	45	5	586			0.46	0.94	0.34	
1	8-Jun	Drilling	19:30	19:40	0.17	801	834	33	12	198.0	45	5	586			0.56	6.62	0.34	
1	8-Jun	Drilling	19:45	20:05	0.33	834	929	95	12	285.0	45	5	586			1.24	8.06	1.09	
1	8-Jun	Sliding	20:10	20:20	0.17	929	944	15	12	90.0	45	5	586			1.41	7.52	1.09	
1	8-Jun	Drilling	20:20	20:30	0.17	944	960	16	12	96.0	45	5	586			1.58	7.06	1.09	
1	8-Jun	Sliding	20:35	20:40	0.08	960	975	15	12	180.0	45	5	586			1.84	7.21	3.41	
1	8-Jun	Drilling	20:40	20:45	0.08	975	1021	46	12	552.0	45	5	586	2000		3.40	9.56	3.41	
1	8-Jun	Sliding	20:55	21:05	0.17	1021	1051	30	12	180.0	0	0	586	1950	15	4.42	10.19	3.41	
1	8-Jun	Drilling	21:05	21:15	0.17	1051	1115	64	12	384.0	45	5	586	2000		5.77	21.99	2.76	
1	8-Jun	Sliding	21:20	21:30	0.17	1115	1140	25	12	150.0	0	0	586	1950	6	6.27	26.50	2.76	
1	8-Jun	Drilling	21:30	21:45	0.25	1140	1210	70	12	280.0	45	5	586	2000		8.08	22.11	3.36	
1	8-Jun	Sliding	21:50	22:05	0.25	1210	1240	30	12	120.0	0	0	586	1950	40L	8.95	18.75	3.36	
1	8-Jun	Drilling	22:05	22:15	0.17	1240	1305	65	12	390.0	45	5	586	2000		11.02	13.61	3.49	
1	8-Jun	Sliding	22:20	22:30	0.17	1305	1335	30	12	180.0	0	0	586	1950	30L	12.00	11.87	3.49	
1	8-Jun	Drilling	22:30	22:45	0.25	1335	1400	65	12	260.0	45	5	586	2000		13.65	9.01	2.49	
1	8-Jun	Sliding	22:50	23:00	0.17	1400	1425	25	12	150.0	0	0	586	2240	15L	14.23	8.09	2.49	
1	8-Jun	Drilling	23:00	23:15	0.25	1425	1495	70	12	280.0	45	5	586	2240		16.21	7.57	3.01	
1	8-Jun	Sliding	23:20	23:30	0.17	1495	1525	30	12	180.0	0	0	586	2200		17.11	7.66	3.01	
1	8-Jun	Drilling	23:30	23:50	0.33	1525	1588	63	12	189.0	45	0	586	2200		18.03	8.57	1.19	
1	8-Jun	Sliding	23:50	24:00	0.17	1588	1598	10	12	60.0	0	0	586	2200	15	18.14	8.74	1.19	
1	9-Jun	Drilling	00:00	00:15	0.25	1598	1682	84	26	336.0	45	5	586	2200		18.50	9.67	0.23	
1	9-Jun	Sliding	00:20	00:25	0.08	1682	1692	10		120.0	0	0	586	2350	80	18.50	9.74	0.23	
1	9-Jun	Drilling	00:25	00:55	0.50	1692	1777	85	26	170.0	50	5	586	2350		18.60	11.53	1.00	
1	9-Jun	Sliding	01:00	01:10	0.17	1777	1792	15		90.0	50	0	586	2350	80	18.63	11.99	1.00	
1	9-Jun	Drilling	01:10	01:25	0.25	1792	1872	80	26	320.0	50	5	586	2350		19.06	14.72	1.38	
1	9-Jun	Sliding	01:30	01:50	0.33	1872	1892	20		60.0	0	0	586	2300	70	19.21	15.43	1.38	

# Slide Report for all BHA's in Job: 20120609

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	9-Jun	Drilling	01:50	02:00	0.17	1892	1967	75	26	450.0	50	5	586	2500		19.02	13.97	1.71	
1	9-Jun	Drilling	02:05	02:30	0.42	1967	2062	95	26	228.0	50	5	586	2500		18.43	12.84	0.85	
1	9-Jun	Sliding	02:35	02:45	0.17	2062	2072	10	12	60.0	0	0	586	2500	75	18.38	13.05	0.85	
1	9-Jun	Drilling	02:45	03:05	0.33	2072	2157	85	26	255.0	50	5	586	2550		18.94	14.46	1.55	
1	9-Jun	Sliding	03:10	03:20	0.17	2157	2177	20	12	120.0	0	0	586	2700		19.24	14.71	1.55	
1	9-Jun	Drilling	03:20	03:35	0.25	2177	2251	74	26	296.0	50	0	586	2700		19.70	16.43	0.98	
1	9-Jun	Sliding	03:40	03:45	0.08	2251	2263	12	12	144.0	0	0	586	2700		19.73	16.77	0.98	
1	9-Jun	Drilling	03:45	04:05	0.33	2263	2346	83	26	249.0	50	0	586	2700		19.74	15.81	1.28	
1	9-Jun	Sliding	04:10	04:15	0.08	2346	2353	7	12	84.0	0	0	586	2700	290	19.73	15.54	1.28	
1	9-Jun	Drilling	04:15	04:35	0.33	2353	2441	88	26	264.0	50	0	586	2700		19.17	14.61	1.11	
1	9-Jun	Drilling	04:40	05:00	0.33	2441	2536	95	26	285.0	50	0	586	2700		18.97	14.88	0.55	
1	9-Jun	Sliding	05:05	05:25	0.33	2536	2551	15	12	45.0	0	0	586	2700	340	19.05	14.82	0.55	
1	9-Jun	Drilling	05:25	05:42	0.28	2551	2630	79	26	278.8	50	0	586	2700		18.82	15.80	1.04	
1	9-Jun	Drilling	05:47	06:07	0.33	2630	2724	94	26	282.0	50	0	586	2700		18.71	15.19	1.11	
1	9-Jun	Sliding	06:12	06:25	0.22	2724	2749	25	12	115.4	50	0	586	2700	45L	18.82	14.40	1.11	
1	9-Jun	Drilling	06:25	06:41	0.27	2749	2818	69	26	258.8	50	0	586	2700		19.27	12.89	0.94	
1	9-Jun	Sliding	06:46	06:57	0.18	2818	2838	20	12	109.1	50	0	586	2700	50L	19.41	12.54	0.94	
1	9-Jun	Drilling	06:57	07:13	0.27	2838	2913	75	26	281.3	50	0	586	2700		19.18	11.64	0.90	
1	9-Jun	Drilling	07:18	07:38	0.33	2913	3008	95	26	285.0	50	0	586	2700		19.43	11.58	1.29	
1	9-Jun	Sliding	07:43	07:59	0.27	3008	3028	20	12	75.0	50	0	586	2700	20L	19.68	11.72	1.29	
1	9-Jun	Drilling	07:59	08:16	0.28	3028	3103	75	26	264.7	50	0	586	2700		19.42	12.67	1.27	
1	9-Jun	Drilling	08:21	08:42	0.35	3103	3198	95	26	271.4	50	0	586	2700		19.42	12.59	1.18	
1	9-Jun	Sliding	08:47	08:57	0.17	3198	3218	20	12	120.0	50	0	586	2700	30L	19.64	12.28	1.18	
1	9-Jun	Drilling	08:57	09:13	0.27	3218	3293	75	26	281.3	50	0	586	2700		19.21	10.77	1.58	
1	9-Jun	Drilling	09:18	09:41	0.38	3293	3387	94	26	245.2	50	0	586	2700		19.55	10.47	1.96	
1	9-Jun	Sliding	09:46	10:11	0.42	3387	3410	23	12	55.2	50	0	586	2700		19.98	10.80	1.96	
1	9-Jun	Drilling	10:11	10:30	0.32	3410	3482	72	26	227.4	50	0	586	2700		20.35	10.31	0.56	
1	9-Jun	Drilling	10:35	11:08	0.55	3482	3577	95	26	172.7	50	0	586	2700		21.03	12.06	2.27	
1	9-Jun	Sliding	11:13	11:24	0.18	3577	3597	20	12	109.1	50	0	586	2700	50R	21.33	13.01	2.27	
1	9-Jun	Drilling	11:24	11:42	0.30	3597	3671	74	26	246.7	50	0	586	2700		21.02	14.15	1.37	
1	9-Jun	Drilling	11:47	12:08	0.35	3671	3766	95	26	271.4	50	0	586	2700		19.60	13.58	1.65	
1	9-Jun	Drilling	12:13	12:39	0.43	3766	3860	94	26	216.9	50	0	586	2700		18.58	11.70	1.05	
1	9-Jun	Drilling	12:44	13:05	0.35	3860	3955	95	26	271.4	50	0	586	2700		18.29	12.24	1.09	
1	9-Jun	Sliding	13:10	13:35	0.42	3955	3975	20	12	48.0	50	0	586	2700	50R	18.29	12.93	1.09	
1	9-Jun	Drilling	13:35	13:59	0.40	3975	4050	75	26	187.5	50	5	586	2700		18.82	14.93	1.27	

# Slide Report for all BHA's in Job: 20120609

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	9-Jun	Sliding	14:04	14:26	0.37	4050	4070	20	12	54.5	0	0	586	2700	50R	19.03	15.37	1.27	
1	9-Jun	Drilling	14:26	14:46	0.33	4070	4145	75	26	225.0	50	5	586	2700		18.98	16.63	0.79	
1	9-Jun	Drilling	14:58	15:33	0.58	4145	4240	95	26	162.9	50	5	586	2700		18.54	16.15	0.80	
1	9-Jun	Sliding	15:38	15:56	0.30	4240	4260	20	12	66.7	0	0	586	2700	30L	18.48	15.69	0.80	
1	9-Jun	Drilling	15:56	16:18	0.37	4260	4335	75	26	204.5	50	5	586	2700		18.87	14.19	1.11	
1	9-Jun	Sliding	16:23	16:46	0.38	4335	4360	25	12	65.2	0	0	586	2700	40L	19.11	13.75	1.11	
1	9-Jun	Drilling	16:46	17:08	0.37	4360	4430	70	26	190.9	50	5	586	2700		18.98	14.23	0.84	
1	9-Jun	Drilling	17:13	17:43	0.50	4430	4525	95	26	190.0	50	5	586	2700		18.96	14.47	0.63	
1	9-Jun	Sliding	17:48	18:30	0.70	4525	4550	25	12	35.7	0	0	586	2700	35L	19.09	14.21	0.63	
1	9-Jun	Drilling	18:30	19:00	0.50	4550	4620	70	26	140.0	50	0	586	2700		0.00	0.00	0.00	
1	9-Jun	Drilling	19:05	19:35	0.50	4620	4715	95	26	190.0	50	0	586	2700		0.00	0.00	0.00	
2	10-Jun	Drilling	04:07	04:45	0.63	4715	4810	95	26	150.0	50	5	586	3000		17.00	11.69	1.61	
2	10-Jun	Drilling	04:50	05:35	0.75	4810	4904	94	26	125.3	50	5	586	3000		15.59	14.64	2.27	
2	10-Jun	Sliding	05:40	05:49	0.15	4904	4919	15	12	100.0	0	0	586	3000	60R	15.39	15.67	2.27	
2	10-Jun	Drilling	05:49	06:13	0.40	4919	4999	80	26	200.0	50	5	586	3000		14.52	15.50	1.52	
2	10-Jun	Sliding	06:18	06:34	0.27	4999	5014	15	12	56.3	0	0	586	3000	90L	14.37	14.78	1.52	
2	10-Jun	Drilling	06:34	07:01	0.45	5014	5094	80	26	177.8	50	5	586	3000		12.88	12.86	2.46	
2	10-Jun	Drilling	07:06	07:31	0.42	5094	5188	94	26	225.6	50	5	586	3000		11.27	12.25	1.05	
2	10-Jun	Drilling	07:36	08:00	0.40	5188	5283	95	26	237.5	50	5	586	3000		9.90	10.94	1.84	
2	10-Jun	Drilling	08:05	08:35	0.50	5283	5378	95	26	190.0	50	5	586	3000		8.65	14.33	1.69	
2	10-Jun	Sliding	08:40	09:00	0.33	5378	5393	15	12	45.0	0	0	586	3000	120R	8.52	15.82	1.69	
2	10-Jun	Drilling	09:00	09:29	0.48	5393	5472	79	26	163.4	50	5	586	3000		7.19	19.21	2.21	
2	10-Jun	Sliding	09:34	09:53	0.32	5472	5489	17	12	53.7	0	0	586	3000	160L	6.82	19.38	2.21	
2	10-Jun	Drilling	09:53	10:17	0.40	5489	5567	78	26	195.0	50	5	586	3000		5.46	18.36	1.50	
2	10-Jun	Sliding	10:22	10:48	0.43	5567	5587	20	12	46.2	0	0	586	3000	160L	5.17	17.71	1.50	
2	10-Jun	Drilling	10:48	11:11	0.38	5587	5662	75	26	195.7	50	5	586	3000		4.22	16.75	1.16	
2	10-Jun	Sliding	11:16	11:44	0.47	5662	5687	25	12	53.6	0	0	586	3000	180	3.93	16.73	1.16	
2	10-Jun	Drilling	11:44	12:08	0.40	5687	5757	70	26	175.0	50	5	586	3000		2.59	17.67	2.21	
2	10-Jun	Sliding	12:13	12:57	0.73	5757	5780	23	12	31.4	0	0	586	3000	180	2.09	18.47	2.21	
2	10-Jun	Drilling	12:57	13:21	0.40	5780	5852	72	26	180.0	50	5	586	3000		1.49	16.59	0.27	
2	10-Jun	Drilling	13:26	13:58	0.53	5852	5947	95	26	178.1	50	5	586	3000		1.22	23.83	0.60	
2	10-Jun	Drilling	14:03	14:39	0.60	5947	6042	95	26	158.3	50	5	586	3000		0.61	55.00	1.12	
2	10-Jun	Drilling	14:44	15:20	0.60	6042	6137	95	26	158.3	50	5	586	3000		0.51	108.13	0.21	
2	10-Jun	Drilling	15:25	16:04	0.65	6137	6232	95	26	146.2	50	5	586	3000		0.82	136.56	0.84	
2	10-Jun	Drilling	16:09	17:04	0.92	6232	6274	42	26	45.8	50	5	586	3000		1.10	149.50	0.84	

# Slide Report for all BHA's in Job: 20120609

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	10-Jun	Drilling	17:09	17:56	0.78	6274	6418	144	26	183.8	50	5	586	3000		1.16	164.77	0.58	
2	10-Jun	Drilling	18:01	18:45	0.73	6418	6513	95	26	129.5	50	5	586	3000		1.14	147.85	1.07	
2	10-Jun	Sliding	18:48	19:15	0.45	6513	6534	21	12	46.7	0	0	586	3000	360	1.10	136.60	1.07	
2	10-Jun	Drilling	19:15	19:45	0.50	6534	6608	74	26	148.0	50	5	586	3000		0.67	137.26	0.95	
2	10-Jun	Sliding	19:48	20:20	0.53	6608	6633	25	26	46.9	0	0	586	3000	360	0.50	152.90	0.95	
2	10-Jun	Drilling	20:20	20:54	0.57	6633	6703	70	26	123.5	50	5	586	3000		0.61	136.15	0.77	
2	10-Jun	Sliding	20:57	21:35	0.63	6703	6728	25	26	39.5	0	0	586	3100	360	0.77	126.94	0.77	
2	10-Jun	Drilling	21:35	22:06	0.52	6728	6797	69	26	133.5	50	5	586	3100		1.30	137.14	0.98	
2	10-Jun	Drilling	22:10	22:50	0.67	6797	6892	95	26	142.5	50	5	586	3100		0.79	105.67	2.38	
2	10-Jun	Sliding	22:53	23:26	0.55	6892	6925	33	26	60.0	0	0	586	3100	360	0.82	47.43	2.38	
2	10-Jun	Drilling	23:26	23:45	0.32	6925	6957	32	26	101.1	50	5	586	3100		0.96	23.13	0.89	
2	10-Jun	Sliding	23:45	24:00	0.25	6957	6977	20	26	80.0	0	0	586	3100	360	0.96	12.48	0.89	
2	11-Jun	Drilling	00:00	00:15	0.25	6977	6987	10	26	40.0	50	5	586	3100		0.97	7.20	0.89	
2	11-Jun	Drilling	00:18	01:15	0.95	6987	7082	95	26	100.0	50	5	586	3200		0.94	347.75	0.32	
2	11-Jun	Drilling	01:17	02:05	0.80	7082	7177	95	26	118.8	50	5	586	3200		0.56	293.08	1.36	
2	11-Jun	Drilling	02:08	03:00	0.87	7177	7272	95	26	109.6	50	5	586	3200		0.00	0.00	0.00	
2	11-Jun	Drilling	03:03	04:15	1.20	7272	7367	95	26	79.2	50	5	586	3200		0.00	0.00	0.00	
2	11-Jun	Drilling	04:18	05:05	0.78	7367	7408	41	26	52.3	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	11:40	12:11	0.52	7408	7462	54	26	104.5	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Sliding	12:16	12:54	0.63	7462	7492	30	26	47.4	50	5	586	3200	30M	0.00	0.00	0.00	
3	11-Jun	Drilling	12:54	13:21	0.45	7492	7557	65	26	144.4	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	13:26	14:15	0.82	7557	7651	94	26	115.1	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	14:20	15:22	1.03	7651	7746	95	26	91.9	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	15:27	16:33	1.10	7746	7841	95	26	86.4	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	16:38	17:40	1.03	7841	7936	95	26	91.9	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	17:45	18:05	0.33	7936	7992	56	26	168.0	50	5	586	3200		0.00	0.00	0.00	

Total Drilled:		7237	Avg. Total ROP:		143.73	<b>DEPTH% - TIME %</b>			
Total Rotary Drilled:		6396	Avg. Rotary ROP:		167.95	Percent Rotary:		88.38 - 75.64	
Total Drilled Sliding:		841	Avg. Slide ROP:		68.56	Percent Slide:		11.62 - 24.36	

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Country  
**WELL NAME:** Dixon Federal 11D-23-692

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

MOTOR INFORMATION	
Desc: 6.5mtr,3.3stg,7/8lobe,.16rev,1.83fixed	
Bent Hsg/Sub: 1.8 / 0	Bit to Bend: 6
PAD OD: 6 1/2	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	8-Jun	Drilling	18:30	19:30	1.00	755	801	46	12	46.0	45	5	586			0.46	0.94	0.34	
1	8-Jun	Drilling	19:30	19:40	0.17	801	834	33	12	198.0	45	5	586			0.56	6.62	0.34	
1	8-Jun	Drilling	19:45	20:05	0.33	834	929	95	12	285.0	45	5	586			1.24	8.06	1.09	
1	8-Jun	Sliding	20:10	20:20	0.17	929	944	15	12	90.0	45	5	586			1.41	7.52	1.09	
1	8-Jun	Drilling	20:20	20:30	0.17	944	960	16	12	96.0	45	5	586			1.58	7.06	1.09	
1	8-Jun	Sliding	20:35	20:40	0.08	960	975	15	12	180.0	45	5	586			1.84	7.21	3.41	
1	8-Jun	Drilling	20:40	20:45	0.08	975	1021	46	12	552.0	45	5	586	2000		3.40	9.56	3.41	
1	8-Jun	Sliding	20:55	21:05	0.17	1021	1051	30	12	180.0	0	0	586	1950	15	4.42	10.19	3.41	
1	8-Jun	Drilling	21:05	21:15	0.17	1051	1115	64	12	384.0	45	5	586	2000		5.77	21.99	2.76	
1	8-Jun	Sliding	21:20	21:30	0.17	1115	1140	25	12	150.0	0	0	586	1950	6	6.27	26.50	2.76	
1	8-Jun	Drilling	21:30	21:45	0.25	1140	1210	70	12	280.0	45	5	586	2000		8.08	22.11	3.36	
1	8-Jun	Sliding	21:50	22:05	0.25	1210	1240	30	12	120.0	0	0	586	1950	40L	8.95	18.75	3.36	
1	8-Jun	Drilling	22:05	22:15	0.17	1240	1305	65	12	390.0	45	5	586	2000		11.02	13.61	3.49	
1	8-Jun	Sliding	22:20	22:30	0.17	1305	1335	30	12	180.0	0	0	586	1950	30L	12.00	11.87	3.49	
1	8-Jun	Drilling	22:30	22:45	0.25	1335	1400	65	12	260.0	45	5	586	2000		13.65	9.01	2.49	
1	8-Jun	Sliding	22:50	23:00	0.17	1400	1425	25	12	150.0	0	0	586	2240	15L	14.23	8.09	2.49	
1	8-Jun	Drilling	23:00	23:15	0.25	1425	1495	70	12	280.0	45	5	586	2240		16.21	7.57	3.01	
1	8-Jun	Sliding	23:20	23:30	0.17	1495	1525	30	12	180.0	0	0	586	2200		17.11	7.66	3.01	
1	8-Jun	Drilling	23:30	23:50	0.33	1525	1588	63	12	189.0	45	0	586	2200		18.03	8.57	1.19	
1	8-Jun	Sliding	23:50	24:00	0.17	1588	1598	10	12	60.0	0	0	586	2200	15	18.14	8.74	1.19	
1	9-Jun	Drilling	00:00	00:15	0.25	1598	1682	84	26	336.0	45	5	586	2200		18.50	9.67	0.23	
1	9-Jun	Sliding	00:20	00:25	0.08	1682	1692	10		120.0	0	0	586	2350	80	18.50	9.74	0.23	
1	9-Jun	Drilling	00:25	00:55	0.50	1692	1777	85	26	170.0	50	5	586	2350		18.60	11.53	1.00	
1	9-Jun	Sliding	01:00	01:10	0.17	1777	1792	15		90.0	50	0	586	2350	80	18.63	11.99	1.00	
1	9-Jun	Drilling	01:10	01:25	0.25	1792	1872	80	26	320.0	50	5	586	2350		19.06	14.72	1.38	
1	9-Jun	Sliding	01:30	01:50	0.33	1872	1892	20		60.0	0	0	586	2300	70	19.21	15.43	1.38	

# 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	9-Jun	Drilling	01:50	02:00	0.17	1892	1967	75	26	450.0	50	5	586	2500		19.02	13.97	1.71	
1	9-Jun	Drilling	02:05	02:30	0.42	1967	2062	95	26	228.0	50	5	586	2500		18.43	12.84	0.85	
1	9-Jun	Sliding	02:35	02:45	0.17	2062	2072	10	12	60.0	0	0	586	2500	75	18.38	13.05	0.85	
1	9-Jun	Drilling	02:45	03:05	0.33	2072	2157	85	26	255.0	50	5	586	2550		18.94	14.46	1.55	
1	9-Jun	Sliding	03:10	03:20	0.17	2157	2177	20	12	120.0	0	0	586	2700		19.24	14.71	1.55	
1	9-Jun	Drilling	03:20	03:35	0.25	2177	2251	74	26	296.0	50	0	586	2700		19.70	16.43	0.98	
1	9-Jun	Sliding	03:40	03:45	0.08	2251	2263	12	12	144.0	0	0	586	2700		19.73	16.77	0.98	
1	9-Jun	Drilling	03:45	04:05	0.33	2263	2346	83	26	249.0	50	0	586	2700		19.74	15.81	1.28	
1	9-Jun	Sliding	04:10	04:15	0.08	2346	2353	7	12	84.0	0	0	586	2700	290	19.73	15.54	1.28	
1	9-Jun	Drilling	04:15	04:35	0.33	2353	2441	88	26	264.0	50	0	586	2700		19.17	14.61	1.11	
1	9-Jun	Drilling	04:40	05:00	0.33	2441	2536	95	26	285.0	50	0	586	2700		18.97	14.88	0.55	
1	9-Jun	Sliding	05:05	05:25	0.33	2536	2551	15	12	45.0	0	0	586	2700	340	19.05	14.82	0.55	
1	9-Jun	Drilling	05:25	05:42	0.28	2551	2630	79	26	278.8	50	0	586	2700		18.82	15.80	1.04	
1	9-Jun	Drilling	05:47	06:07	0.33	2630	2724	94	26	282.0	50	0	586	2700		18.71	15.19	1.11	
1	9-Jun	Sliding	06:12	06:25	0.22	2724	2749	25	12	115.4	50	0	586	2700	45L	18.82	14.40	1.11	
1	9-Jun	Drilling	06:25	06:41	0.27	2749	2818	69	26	258.8	50	0	586	2700		19.27	12.89	0.94	
1	9-Jun	Sliding	06:46	06:57	0.18	2818	2838	20	12	109.1	50	0	586	2700	50L	19.41	12.54	0.94	
1	9-Jun	Drilling	06:57	07:13	0.27	2838	2913	75	26	281.3	50	0	586	2700		19.18	11.64	0.90	
1	9-Jun	Drilling	07:18	07:38	0.33	2913	3008	95	26	285.0	50	0	586	2700		19.43	11.58	1.29	
1	9-Jun	Sliding	07:43	07:59	0.27	3008	3028	20	12	75.0	50	0	586	2700	20L	19.68	11.72	1.29	
1	9-Jun	Drilling	07:59	08:16	0.28	3028	3103	75	26	264.7	50	0	586	2700		19.42	12.67	1.27	
1	9-Jun	Drilling	08:21	08:42	0.35	3103	3198	95	26	271.4	50	0	586	2700		19.42	12.59	1.18	
1	9-Jun	Sliding	08:47	08:57	0.17	3198	3218	20	12	120.0	50	0	586	2700	30L	19.64	12.28	1.18	
1	9-Jun	Drilling	08:57	09:13	0.27	3218	3293	75	26	281.3	50	0	586	2700		19.21	10.77	1.58	
1	9-Jun	Drilling	09:18	09:41	0.38	3293	3387	94	26	245.2	50	0	586	2700		19.55	10.47	1.96	
1	9-Jun	Sliding	09:46	10:11	0.42	3387	3410	23	12	55.2	50	0	586	2700		19.98	10.80	1.96	
1	9-Jun	Drilling	10:11	10:30	0.32	3410	3482	72	26	227.4	50	0	586	2700		20.35	10.31	0.56	
1	9-Jun	Drilling	10:35	11:08	0.55	3482	3577	95	26	172.7	50	0	586	2700		21.03	12.06	2.27	
1	9-Jun	Sliding	11:13	11:24	0.18	3577	3597	20	12	109.1	50	0	586	2700	50R	21.33	13.01	2.27	
1	9-Jun	Drilling	11:24	11:42	0.30	3597	3671	74	26	246.7	50	0	586	2700		21.02	14.15	1.37	
1	9-Jun	Drilling	11:47	12:08	0.35	3671	3766	95	26	271.4	50	0	586	2700		19.60	13.58	1.65	
1	9-Jun	Drilling	12:13	12:39	0.43	3766	3860	94	26	216.9	50	0	586	2700		18.58	11.70	1.05	
1	9-Jun	Drilling	12:44	13:05	0.35	3860	3955	95	26	271.4	50	0	586	2700		18.29	12.24	1.09	
1	9-Jun	Sliding	13:10	13:35	0.42	3955	3975	20	12	48.0	50	0	586	2700	50R	18.29	12.93	1.09	
1	9-Jun	Drilling	13:35	13:59	0.40	3975	4050	75	26	187.5	50	5	586	2700		18.82	14.93	1.27	

# 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	9-Jun	Sliding	14:04	14:26	0.37	4050	4070	20	12	54.5	0	0	586	2700	50R	19.03	15.37	1.27	
1	9-Jun	Drilling	14:26	14:46	0.33	4070	4145	75	26	225.0	50	5	586	2700		18.98	16.63	0.79	
1	9-Jun	Drilling	14:58	15:33	0.58	4145	4240	95	26	162.9	50	5	586	2700		18.54	16.15	0.80	
1	9-Jun	Sliding	15:38	15:56	0.30	4240	4260	20	12	66.7	0	0	586	2700	30L	18.48	15.69	0.80	
1	9-Jun	Drilling	15:56	16:18	0.37	4260	4335	75	26	204.5	50	5	586	2700		18.87	14.19	1.11	
1	9-Jun	Sliding	16:23	16:46	0.38	4335	4360	25	12	65.2	0	0	586	2700	40L	19.11	13.75	1.11	
1	9-Jun	Drilling	16:46	17:08	0.37	4360	4430	70	26	190.9	50	5	586	2700		18.98	14.23	0.84	
1	9-Jun	Drilling	17:13	17:43	0.50	4430	4525	95	26	190.0	50	5	586	2700		18.96	14.47	0.63	
1	9-Jun	Sliding	17:48	18:30	0.70	4525	4550	25	12	35.7	0	0	586	2700	35L	19.09	14.21	0.63	
1	9-Jun	Drilling	18:30	19:00	0.50	4550	4620	70	26	140.0	50	0	586	2700		0.00	0.00	0.00	
1	9-Jun	Drilling	19:05	19:35	0.50	4620	4715	95	26	190.0	50	0	586	2700		0.00	0.00	0.00	

Total Drilled:		3960	Avg. Total ROP:		184.47	<b>DEPTH% - TIME %</b>														
Total Rotary Drilled:		3403	Avg. Rotary ROP:		227.63	Percent Rotary:		85.93 - 69.64												
Total Drilled Sliding:		557	Avg. Slide ROP:		85.47	Percent Slide:		14.07 - 30.36												

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Country  
**WELL NAME:** Dixon Federal 11D-23-692

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

MOTOR INFORMATION	
Desc: 6.5mtr,3.3stg,7/8lobe,,16rev,1.83fixed	
Bent Hsg/Sub: 1.8 / 0	Bit to Bend: 6
PAD OD: 6 1/2	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	10-Jun	Drilling	04:07	04:45	0.63	4715	4810	95	26	150.0	50	5	586	3000		17.00	11.69	1.61	
2	10-Jun	Drilling	04:50	05:35	0.75	4810	4904	94	26	125.3	50	5	586	3000		15.59	14.64	2.27	
2	10-Jun	Sliding	05:40	05:49	0.15	4904	4919	15	12	100.0	0	0	586	3000	60R	15.39	15.67	2.27	
2	10-Jun	Drilling	05:49	06:13	0.40	4919	4999	80	26	200.0	50	5	586	3000		14.52	15.50	1.52	
2	10-Jun	Sliding	06:18	06:34	0.27	4999	5014	15	12	56.3	0	0	586	3000	90L	14.37	14.78	1.52	
2	10-Jun	Drilling	06:34	07:01	0.45	5014	5094	80	26	177.8	50	5	586	3000		12.88	12.86	2.46	
2	10-Jun	Drilling	07:06	07:31	0.42	5094	5188	94	26	225.6	50	5	586	3000		11.27	12.25	1.05	
2	10-Jun	Drilling	07:36	08:00	0.40	5188	5283	95	26	237.5	50	5	586	3000		9.90	10.94	1.84	
2	10-Jun	Drilling	08:05	08:35	0.50	5283	5378	95	26	190.0	50	5	586	3000		8.65	14.33	1.69	
2	10-Jun	Sliding	08:40	09:00	0.33	5378	5393	15	12	45.0	0	0	586	3000	120R	8.52	15.82	1.69	
2	10-Jun	Drilling	09:00	09:29	0.48	5393	5472	79	26	163.4	50	5	586	3000		7.19	19.21	2.21	
2	10-Jun	Sliding	09:34	09:53	0.32	5472	5489	17	12	53.7	0	0	586	3000	160L	6.82	19.38	2.21	
2	10-Jun	Drilling	09:53	10:17	0.40	5489	5567	78	26	195.0	50	5	586	3000		5.46	18.36	1.50	
2	10-Jun	Sliding	10:22	10:48	0.43	5567	5587	20	12	46.2	0	0	586	3000	160L	5.17	17.71	1.50	
2	10-Jun	Drilling	10:48	11:11	0.38	5587	5662	75	26	195.7	50	5	586	3000		4.22	16.75	1.16	
2	10-Jun	Sliding	11:16	11:44	0.47	5662	5687	25	12	53.6	0	0	586	3000	180	3.93	16.73	1.16	
2	10-Jun	Drilling	11:44	12:08	0.40	5687	5757	70	26	175.0	50	5	586	3000		2.59	17.67	2.21	
2	10-Jun	Sliding	12:13	12:57	0.73	5757	5780	23	12	31.4	0	0	586	3000	180	2.09	18.47	2.21	
2	10-Jun	Drilling	12:57	13:21	0.40	5780	5852	72	26	180.0	50	5	586	3000		1.49	16.59	0.27	
2	10-Jun	Drilling	13:26	13:58	0.53	5852	5947	95	26	178.1	50	5	586	3000		1.22	23.83	0.60	
2	10-Jun	Drilling	14:03	14:39	0.60	5947	6042	95	26	158.3	50	5	586	3000		0.61	55.00	1.12	
2	10-Jun	Drilling	14:44	15:20	0.60	6042	6137	95	26	158.3	50	5	586	3000		0.51	108.13	0.21	
2	10-Jun	Drilling	15:25	16:04	0.65	6137	6232	95	26	146.2	50	5	586	3000		0.82	136.56	0.84	
2	10-Jun	Drilling	16:09	17:04	0.92	6232	6274	42	26	45.8	50	5	586	3000		1.10	149.50	0.84	
2	10-Jun	Drilling	17:09	17:56	0.78	6274	6418	144	26	183.8	50	5	586	3000		1.16	164.77	0.58	
2	10-Jun	Drilling	18:01	18:45	0.73	6418	6513	95	26	129.5	50	5	586	3000		1.14	147.85	1.07	

# 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	10-Jun	Sliding	18:48	19:15	0.45	6513	6534	21	12	46.7	0	0	586	3000	360	1.10	136.60	1.07	
2	10-Jun	Drilling	19:15	19:45	0.50	6534	6608	74	26	148.0	50	5	586	3000		0.67	137.26	0.95	
2	10-Jun	Sliding	19:48	20:20	0.53	6608	6633	25	26	46.9	0	0	586	3000	360	0.50	152.90	0.95	
2	10-Jun	Drilling	20:20	20:54	0.57	6633	6703	70	26	123.5	50	5	586	3000		0.61	136.15	0.77	
2	10-Jun	Sliding	20:57	21:35	0.63	6703	6728	25	26	39.5	0	0	586	3100	360	0.77	126.94	0.77	
2	10-Jun	Drilling	21:35	22:06	0.52	6728	6797	69	26	133.5	50	5	586	3100		1.30	137.14	0.98	
2	10-Jun	Drilling	22:10	22:50	0.67	6797	6892	95	26	142.5	50	5	586	3100		0.79	105.67	2.38	
2	10-Jun	Sliding	22:53	23:26	0.55	6892	6925	33	26	60.0	0	0	586	3100	360	0.82	47.43	2.38	
2	10-Jun	Drilling	23:26	23:45	0.32	6925	6957	32	26	101.1	50	5	586	3100		0.96	23.13	0.89	
2	10-Jun	Sliding	23:45	24:00	0.25	6957	6977	20	26	80.0	0	0	586	3100	360	0.96	12.48	0.89	
2	11-Jun	Drilling	00:00	00:15	0.25	6977	6987	10	26	40.0	50	5	586	3100		0.97	7.20	0.89	
2	11-Jun	Drilling	00:18	01:15	0.95	6987	7082	95	26	100.0	50	5	586	3200		0.94	347.75	0.32	
2	11-Jun	Drilling	01:17	02:05	0.80	7082	7177	95	26	118.8	50	5	586	3200		0.56	293.08	1.36	
2	11-Jun	Drilling	02:08	03:00	0.87	7177	7272	95	26	109.6	50	5	586	3200		0.00	0.00	0.00	
2	11-Jun	Drilling	03:03	04:15	1.20	7272	7367	95	26	79.2	50	5	586	3200		0.00	0.00	0.00	
2	11-Jun	Drilling	04:18	05:05	0.78	7367	7408	41	26	52.3	50	5	586	3200		0.00	0.00	0.00	

Total Drilled:	2693	Avg. Total ROP:	117.26	<b>DEPTH% - TIME %</b>	
Total Rotary Drilled:	2439	Avg. Rotary ROP:	136.64	Percent Rotary:	90.57 - 77.72
Total Drilled Sliding:	254	Avg. Slide ROP:	49.64	Percent Slide:	9.43 - 22.28

**SDI Job #:** 20120609  
**COMPANY:** Bill Barrett  
**LOCATION:** Dixon SWNW-23-692  
**RIG NAME:** Land Drilling  
**STATE:** Colorado  
**COUNTY:** Country  
**WELL NAME:** Dixon Federal 11D-23-692

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

MOTOR INFORMATION	
Desc: 6.5mtr,3.3stg,7/8lobe,16rev,1.83fixed	
Bent Hsg/Sub: 1.8 / 0	Bit to Bend: 6
PAD OD: 6 1/2	NB Stab:

### Slide Report for BHA # 3

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
3	11-Jun	Drilling	11:40	12:11	0.52	7408	7462	54	26	104.5	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Sliding	12:16	12:54	0.63	7462	7492	30	26	47.4	50	5	586	3200	30M	0.00	0.00	0.00	
3	11-Jun	Drilling	12:54	13:21	0.45	7492	7557	65	26	144.4	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	13:26	14:15	0.82	7557	7651	94	26	115.1	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	14:20	15:22	1.03	7651	7746	95	26	91.9	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	15:27	16:33	1.10	7746	7841	95	26	86.4	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	16:38	17:40	1.03	7841	7936	95	26	91.9	50	5	586	3200		0.00	0.00	0.00	
3	11-Jun	Drilling	17:45	18:05	0.33	7936	7992	56	26	168.0	50	5	586	3200		0.00	0.00	0.00	

Total Drilled:	584	Avg. Total ROP:	98.70	<b>DEPTH% - TIME %</b>	
Total Rotary Drilled:	554	Avg. Rotary ROP:	104.86	Percent Rotary:	94.86 - 89.30
Total Drilled Sliding:	30	Avg. Slide ROP:	47.37	Percent Slide:	5.14 - 10.70

SDI Job #:	20120609
COMPANY:	Bill Barrett
LOCATION:	Dixon SWNW-23-692
RIG NAME:	Land Drilling
STATE:	Colorado
COUNTY:	USA
WELL NAME:	Dixon Federal 11D-23-692

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

## Tool Utilization Report

### Bits

#### 11567161 - FX55M (5X16)

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
2	17.85	5.12	23.05	23.05	33.33	2,693.00
1	17.85	5.12	23.05	23.05	33.33	2,693.00

<< Summary for 11567161

#### 12008455 - FX55 (5X16)

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
3	5.28	0.63	8.78	8.83	19.17	584.00
1	5.28	0.63	8.78	8.83	19.17	584.00

<< Summary for 12008455

#### A154248 - DSH516M-G1-Z 5x14

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	14.95	6.52	21.47	21.55	30.33	3,960.00
1	14.95	6.52	21.47	21.55	30.33	3,960.00
3	<b>38.08</b>	<b>12.27</b>	<b>53.30</b>	<b>53.43</b>	<b>82.83</b>	<b>7,237.00</b>

<< Summary for A154248

<< Summary for Bits

### DC

39528

6 1/2 NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	14.95	6.52	21.47	21.55	30.33	3,960.00
2	17.85	5.12	23.05	23.05	33.33	2,693.00
3	5.28	0.63	8.78	8.83	19.17	584.00
3	38.08	12.27	53.30	53.43	82.83	7,237.00

<< Summary for 39528

#### NA1 - 6 1/2 NMDC

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	14.95	6.52	21.47	21.55	30.33	3,960.00
2	17.85	5.12	23.05	23.05	33.33	2,693.00
3	5.28	0.63	8.78	8.83	19.17	584.00

# Tool Utilization Report

3	38.08	12.27	53.30	53.43	82.83	7,237.00	<< Summary for NA1
<b>6</b>	<b>76.17</b>	<b>24.53</b>	<b>106.60</b>	<b>106.87</b>	<b>165.67</b>	<b>14,474.00</b>	<< Summary for DC

## Motors

### 6325 - 6 1/2 Max Torque Fixed

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled	
1	14.95	6.52	21.47	21.55	30.33	3,960.00	
2	17.85	5.12	23.05	23.05	33.33	2,693.00	
3	5.28	0.63	8.78	8.83	19.17	584.00	
3	38.08	12.27	53.30	53.43	82.83	7,237.00	<< Summary for 6325
<b>3</b>	<b>38.08</b>	<b>12.27</b>	<b>53.30</b>	<b>53.43</b>	<b>82.83</b>	<b>7,237.00</b>	<< Summary for Motors

## MWD

### G6511

Cap Sub

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled	
1	14.95	6.52	21.47	21.55	30.33	3,960.00	
2	17.85	5.12	23.05	23.05	33.33	2,693.00	
3	5.28	0.63	8.78	8.83	19.17	584.00	
3	38.08	12.27	53.30	53.43	82.83	7,237.00	<< Summary for G6511

### UB 63046 - UBHO

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled	
1	14.95	6.52	21.47	21.55	30.33	3,960.00	
2	17.85	5.12	23.05	23.05	33.33	2,693.00	
3	5.28	0.63	8.78	8.83	19.17	584.00	
3	38.08	12.27	53.30	53.43	82.83	7,237.00	<< Summary for UB 63046
<b>6</b>	<b>76.17</b>	<b>24.53</b>	<b>106.60</b>	<b>106.87</b>	<b>165.67</b>	<b>14,474.00</b>	<< Summary for MWD

## Other

### Rig 37 - 4 1/2in Spiral HWDP

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled	
1	14.95	6.52	21.47	21.55	30.33	3,960.00	
2	17.85	5.12	23.05	23.05	33.33	2,693.00	
3	5.28	0.63	8.78	8.83	19.17	584.00	
3	38.08	12.27	53.30	53.43	82.83	7,237.00	<< Summary for Rig 37
<b>3</b>	<b>38.08</b>	<b>12.27</b>	<b>53.30</b>	<b>53.43</b>	<b>82.83</b>	<b>7,237.00</b>	<< Summary for Other

SDI Job #:		FIELD:	
COMPANY:		Sec-1WH-RNG	
LOCATION:		AFE# & District	
RIG NAME:			
STATE:			
COUNTY:			
WELL NAME:			

## Field Estimate

### Cost Breakdown

Charge Date	IDENTIFIER	Description	Type of Units		Minimum Charge	Maximum Charge	Price
			Units	Price/Unit			
Total for							\$0.00

Total for Invoice:							\$0.00
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Oil Company Representative: \_\_\_\_\_ Date: \_\_\_\_\_  
 Directional Company Reprerentative: \_\_\_\_\_ Date: \_\_\_\_\_

BHA # 1

# Rotary Steerable Report

<b>SDI Job #:</b> 20120609	<b>FIELD:</b> Mamm Creek
<b>COMPANY:</b> Bill Barrett	<b>Sec-Twn-Rng:</b>
<b>LOCATION:</b> Dixon SWNW-23-692	<b>SD District</b>
<b>RIG NAME:</b> Land Drilling	<b>Lead DD:</b> Bobby Wolf
<b>STATE:</b> Colorado	<b>Co. Man:</b> Curtis Crowton
<b>COUNTY:</b> Garfield	
<b>WELL NAME:</b> Dixon Federal 11D-23-692    RS Failed?: NO    Motor Used?: NO	

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 08-Jun-12 @ 16:40	Desc:	SO/PU: 80 - 80 / 80-80
Date Out: 09-Jun-12 @ 23:00	MFG.:	Rot Wt: 80-80
Hrs In Hole: 30.33	BHA Circ/ All BHA:	WOB: 0 - 26
Start Depth: 755.00	Rotary SN:	TORQ: 0 - 5
End Depth: 4715.00	RS Pad OD:	SPP: 0 - 2700
Total Drilled: 3960.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 184.47	Blades Count/Type /	Rotary RPM: 45 - 50
<b>Circ Hrs:Tot/Only</b> 21.55 / .08	Blade Style:	Flow Rate: 586 - 586
Percent Slide: 14.07	RS Guage Length	Avg Diff: 450
Percent Hrs: 30.36	Hardfacing:	Stall Pres.: 700
Slide Hours: 6.52	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 557.00	RS Stab to Top:	<b>Bit Record</b>
Avg. Slide ROP: 85.47	Blade Collapse:	REED / DSH516M-G1-Z 5x14
Percent Rotary: 85.93	<b>Wake Up/RPM/Drill:</b>	Run #: 1
Percent Hrs: 69.64	Battery Usage:	Type Bit: PDC
Rot / Total Hrs: 14.95 / 21.47	Prop BUR: 3	<b>IADC#:</b> TFA: 0.751
Rotary Drilled: 3403.00	Act BUR:	JETS: 5-14
Avg. Rotary ROP: 227.63		Bit Drop: 544 PSI @ 586 GPM
Reason POOH:		Cond.:

### Mud Data

Type LSND	WT: 9.7	Vis: 80	WL: 6.8	PV: 29	Flow T °: 0
<b>SAND:</b> 0.5 Chlor: 700	<b>GAS:</b> 43	<b>SOL:</b> 9.8	Oil %: 0	YP: 17	PH: 9.6
					Bottom Hole T °: 135.2

Formation:

EXPANDED REASON PULLED:

HR

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

Motor has 1 Run and 21.55 D&C Hrs.

BHA # 2

# Rotary Steerable Report

<b>SDI Job #:</b> 20120609	<b>FIELD:</b> Mamm Creek
<b>COMPANY:</b> Bill Barrett	<b>Sec-Twn-Rng:</b>
<b>LOCATION:</b> Dixon SWNW-23-692	<b>SD District</b>
<b>RIG NAME:</b> Land Drilling	<b>Lead DD:</b> Bobby Wolf
<b>STATE:</b> Colorado	<b>Co. Man:</b> Curtis Crowton
<b>COUNTY:</b> Garfield	
<b>WELL NAME:</b> Dixon Federal 11D-23-692 <b>RS Failed?:</b> NO <b>Motor Used?:</b> NO	

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 09-Jun-12 @ 23:00	Desc:	SO/PU: 80 - 90 / 80-90
Date Out: 11-Jun-12 @ 08:20	MFG.:	Rot Wt: 80-90
Hrs In Hole: 33.33	BHA Circ/ All BHA:	WOB: 12 - 26
Start Depth: 4715.00	Rotary SN:	TORQ: 5 - 5
End Depth: 7408.00	RS Pad OD:	SPP: 2700 - 3200
Total Drilled: 2693.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 117.26	Blades Count/Type /	Rotary RPM: 50 - 50
<b>Circ Hrs:Tot/Only</b> 23.05 / .08	Blade Style:	Flow Rate: 586 - 586
Percent Slide: 9.43	RS Guage Length	Avg Diff: 450
Percent Hrs: 22.28	Hardfacing:	Stall Pres.: 700
Slide Hours: 5.12	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 254.00	RS Stab to Top:	<b>Bit Record</b>
Avg. Slide ROP: 49.64	Blade Collapse:	Security / FX55M (5X16)
Percent Rotary: 90.57	<b>Wake Up/RPM/Drill:</b>	Run #: 2
Percent Hrs: 77.72	Battery Usage:	Type Bit: PDC
Rot / Total Hrs: 17.85 / 22.97	Prop BUR: 3	<b>IADC#:</b> TFA: 0.981
Rotary Drilled: 2439.00	Act BUR:	JETS: 5-16
Avg. Rotary ROP: 136.64		Bit Drop: 335 PSI @ 586 GPM
Reason POOH:		Cond.:

### Mud Data

Type LSND	WT: 10.2	Vis: 57	WL: 8	PV: 18	Flow T °: 0
<b>SAND:</b> 0.75 Chlor: 800	<b>GAS:</b> 32	<b>SOL:</b> 13.3	Oil %: 0	YP: 24	PH: 9.7 Bottom Hole T °: 145.0

Formation:

EXPANDED REASON PULLED:

HR

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

Motor has 2 Run and 44.60 D&C Hrs.

BHA # 3

# Rotary Steerable Report

<b>SDI Job #:</b> 20120609	<b>FIELD:</b> Mamm Creek
<b>COMPANY:</b> Bill Barrett	<b>Sec-Twn-Rng:</b>
<b>LOCATION:</b> Dixon SWNW-23-692	<b>SD District</b>
<b>RIG NAME:</b> Land Drilling	<b>Lead DD:</b> Bobby Wolf
<b>STATE:</b> Colorado	<b>Co. Man:</b> Curtis Crowton
<b>COUNTY:</b> Garfield	
<b>WELL NAME:</b> Dixon Federal 11D-23-692 <b>RS Failed?:</b> NO <b>Motor Used?:</b> NO	

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 11-Jun-12 @ 08:20	Desc:	SO/PU: 90 - 90 / 90-90
Date Out: 12-Jun-12 @ 03:30	MFG.:	Rot Wt: 90-90
Hrs In Hole: 19.17	BHA Circ/ All BHA:	WOB: 26 - 26
Start Depth: 7408.00	Rotary SN:	TORQ: 5 - 5
End Depth: 7992.00	RS Pad OD:	SPP: 3200 - 3200
Total Drilled: 584.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 98.70	Blades Count/Type /	Rotary RPM: 50 - 50
<b>Circ Hrs:Tot/Only</b> 8.83 / 2.92	Blade Style:	Flow Rate: 586 - 586
Percent Slide: 5.14	RS Guage Length	Avg Diff: 450
Percent Hrs: 10.70	Hardfacing:	Stall Pres.: 700
Slide Hours: .63	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 30.00	RS Stab to Top:	<b>Bit Record</b>
Avg. Slide ROP: 47.37	Blade Collapse:	Security / FX55 (5X16)
Percent Rotary: 94.86	<b>Wake Up/RPM/Drill:</b>	Run #: 3
Percent Hrs: 89.30	Battery Usage:	Type Bit: PDC
Rot / Total Hrs: 5.28 / 5.92	Prop BUR: 3	<b>IADC#:</b> TFA: 0.981
Rotary Drilled: 554.00	Act BUR:	JETS: 5-16
Avg. Rotary ROP: 104.86		Bit Drop: 342 PSI @ 586 GPM
Reason POOH:		Cond.:

Mud Data											
Type	LSND	WT:	10.4	Vis:	65	WL:	6.4	PV:	24	Flow T °:	0
<b>SAND:</b>	0.6 Chlor:	800	<b>GAS:</b>	2106	<b>SOL:</b>	14.8	Oil %:	0	YP:	10	PH: 9.6
										Bottom Hole T °:	158.5

Formation:  
EXPANDED REASON PULLED:

HR

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)  
Motor has 2 Run and 44.60 D&C Hrs.



BHA # 2

# Mud Motor Report

SDI Job #: 20120609  
 COMPANY: Bill Barrett  
 LOCATION: Dixon SWNW-23-692  
 RIG NAME: Land Drilling  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: Dixon Federal 11D-23-692

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

Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 09-Jun-12 @ 23:00	Desc: 6.5mtr,3.3stg,7/8lobe,,16rev,1.83	SO/PU: 80 - 90 / 80-90
Date Out: 11-Jun-12 @ 08:20	MFG.: Hunting	Rot Wt: 80-90
Hrs In Hole: 33.33	BHA Circ/ All BHA: 23.05 / 53.43	WOB: 12 - 26
Start Depth: 4715.00	Motor SN: <b>6325</b>	TORQ: 5 - 5
End Depth: 7408.00	PAD OD: 6 1/2	SPP: 2700 - 3200
Total Drilled: 2693.00	NB Stab: 0	Motor RPM: 94
Avg. Total ROP: 117.26	Bit to Bend: 6	Rotary RPM: 50 - 50
<b>Circ Hrs:Tot/Only</b> 23.05 / .08	Bent Hsg / Sub: 1.83 /	Flow Rate: 586 - 586
Percent Slide: 9.43	Lobe/Stage: 7/8 / 3.3	Avg Diff: 450
Percent Hrs: 22.28	Rev/GAL: 0.16	Stall Pres.: 700
Slide Hours: 5.12	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 254.00	Prop BUR: 3	<b>Bit Record</b>
Avg. Slide ROP: 49.64	Act BUR:	Security / FX55M (5X16)
Percent Rotary: 90.57	Stator Clearance:	Run #: 2
Percent Hrs: 77.72	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 17.85 / 22.97	Upper Stab OD:	<b>IADC#:</b> TFA: 0.981
Rotary Drilled: 2439.00	Extended Motor? NO	JETS: 5-16
Avg. Rotary ROP: 136.64	Number of Stalls:	Bit Drop: 335 PSI @ 586 GPM
Reason POOH:	Stall Duration:	Cond.:

### Mud Data

Type LSND WT: 10.2 Vis: 57 WL: 8 PV: 18 Flow T °: 0  
**SAND:** 0.75 Chlor: 800 **GAS:** 32 **SOL:** 13.3 Oil %: 0 YP: 24 PH: 9.7 Bottom Hole T °: 145.0

Formation:

EXPANDED REASON PULLED:

HR

BHA PERFORMANCE:

As Expected

ADDITIONAL COMMENTS: (Expands to next page if necessary)

Motor has 2 Run and 44.60 D&C Hrs.

BHA # 3

# Mud Motor Report

SDI Job #: 20120609  
 COMPANY: Bill Barrett  
 LOCATION: Dixon SWNW-23-692  
 RIG NAME: Land Drilling  
 STATE: Colorado  
 COUNTY: Garfield  
 WELL NAME: Dixon Federal 11D-23-692

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

Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 11-Jun-12 @ 08:20	Desc: 6.5mtr,3.3stg,7/8lobe,,16rev,1.83	SO/PU: 90 - 90 / 90-90
Date Out: 12-Jun-12 @ 03:30	MFG.: Hunting	Rot Wt: 90-90
Hrs In Hole: 19.17	BHA Circ/ All BHA: 8.83 / 53.43	WOB: 26 - 26
Start Depth: 7408.00	Motor SN: 6325	TORQ: 5 - 5
End Depth: 7992.00	PAD OD: 6 1/2	SPP: 3200 - 3200
Total Drilled: 584.00	NB Stab: 0	Motor RPM: 94
Avg. Total ROP: 98.70	Bit to Bend: 6	Rotary RPM: 50 - 50
Circ Hrs:Tot/Only 8.83 / 2.92	Bent Hsg / Sub: 1.83 /	Flow Rate: 586 - 586
Percent Slide: 5.14	Lobe/Stage: 7/8 / 3.3	Avg Diff: 450
Percent Hrs: 10.70	Rev/GAL: 0.16	Stall Pres.: 700
Slide Hours: .63	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 30.00	Prop BUR: 3	<b>Bit Record</b>
Avg. Slide ROP: 47.37	Act BUR:	Security / FX55 (5X16)
Percent Rotary: 94.86	Stator Clearance:	Run #: 3
Percent Hrs: 89.30	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 5.28 / 5.92	Upper Stab OD:	IADC#: TFA: 0.981
Rotary Drilled: 554.00	Extended Motor? NO	JETS: 5-16
Avg. Rotary ROP: 104.86	Number of Stalls:	Bit Drop: 342 PSI @ 586 GPM
Reason POOH:	Stall Duration:	Cond.:

### Mud Data

Type LSND WT: 10.4 Vis: 65 WL: 6.4 PV: 24 Flow T °: 0  
 SAND: 0.6 Chlor: 800 GAS:2106 SOL: 14.8 Oil %: 0 YP: 10 PH: 9.6 Bottom Hole T °: 158.5

Formation:

EXPANDED REASON PULLED:

HR

BHA PERFORMANCE:

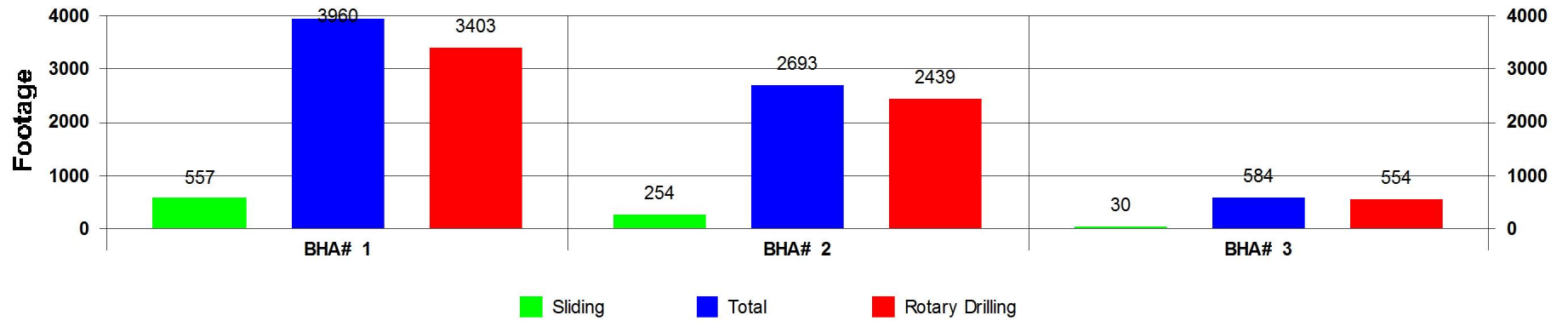
As Expected

ADDITIONAL COMMENTS: (Expands to next page if necessary)

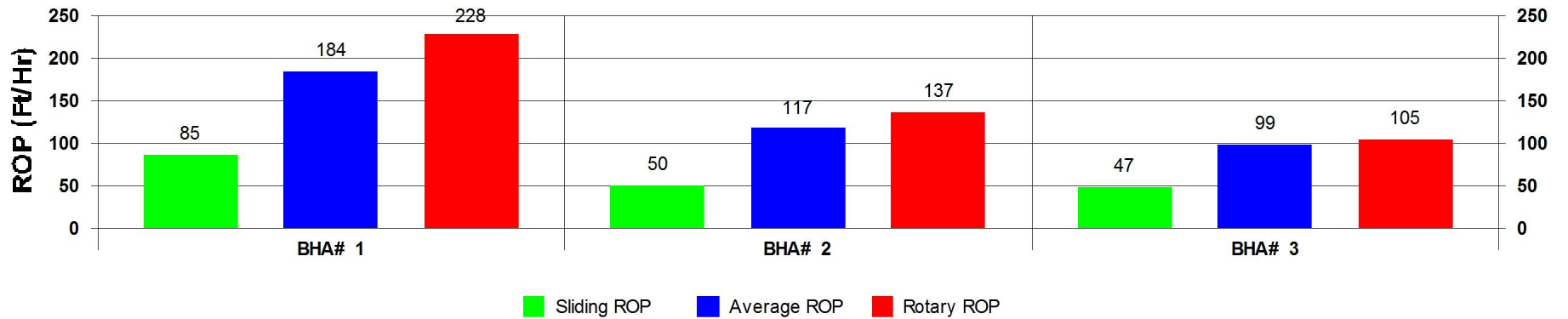
Motor has 2 Run and 44.60 D&C Hrs.

<b>SDI Job #:</b>	20120609	<b>FIELD:</b>	Mamm Creek
<b>COMPANY:</b>	Bill Barrett	<b>Sec-Twn-Rng:</b>	
<b>LOCATION:</b>	Dixon SWNW-23-692	<b>AFE# &amp; District</b>	
<b>RIG NAME:</b>	Land Drilling	<b>COMMENT</b>	
<b>STATE:</b>	Colorado		
<b>COUNTY:</b>	Garfield		
<b>WELL NAME:</b>	Dixon Federal 11D-23-692		

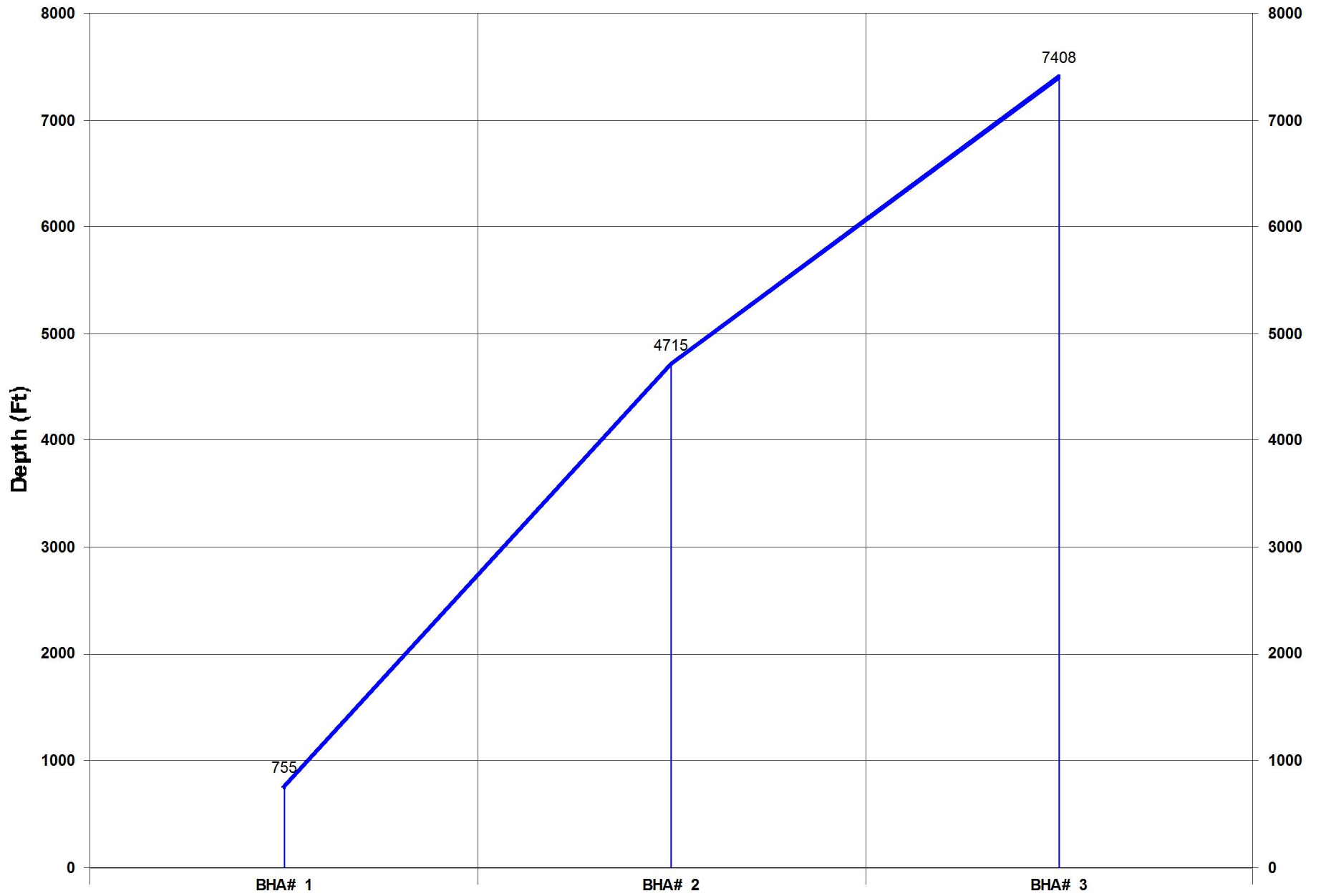
### Footage Drilled with BHA



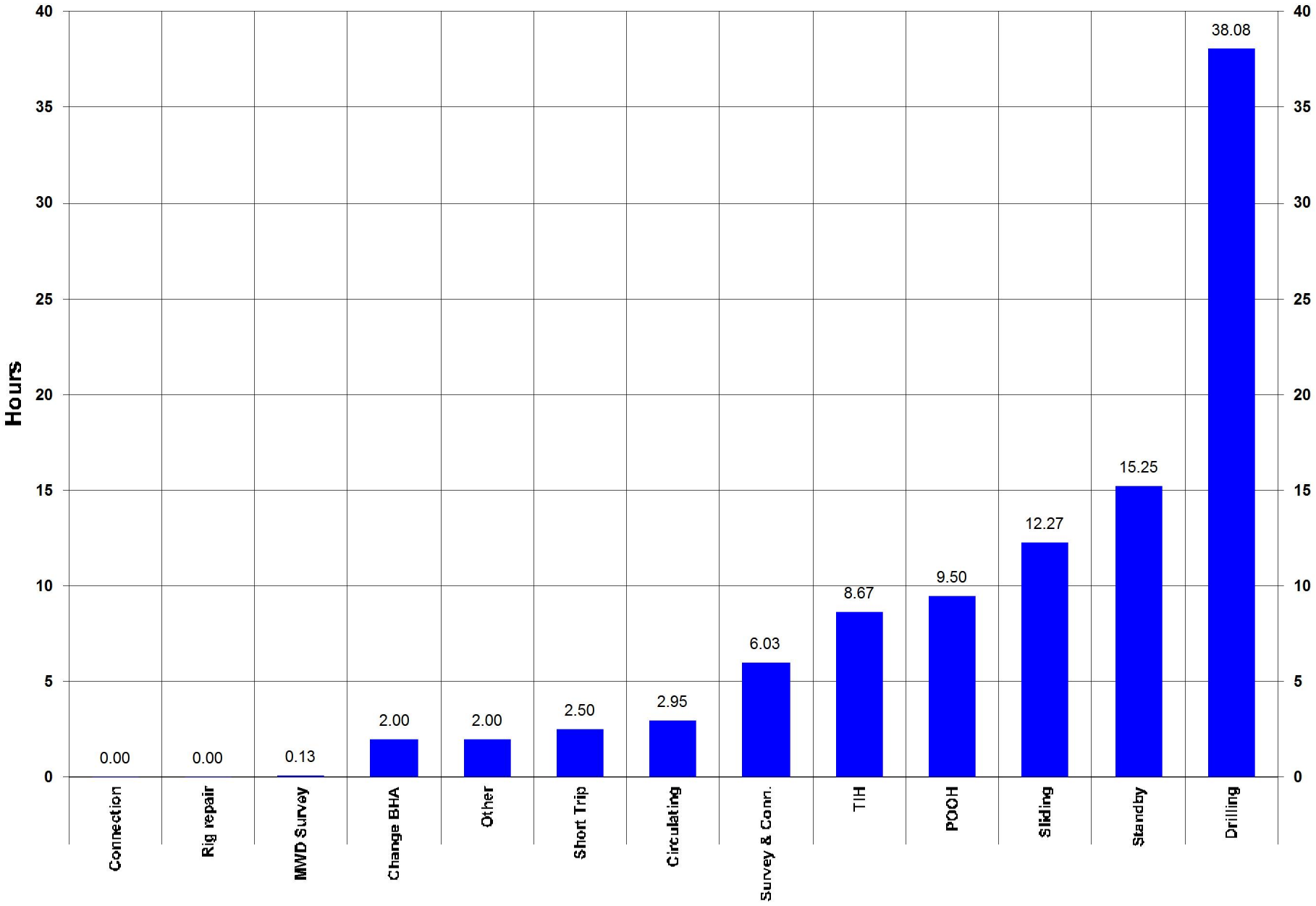
### ROP vs BHA



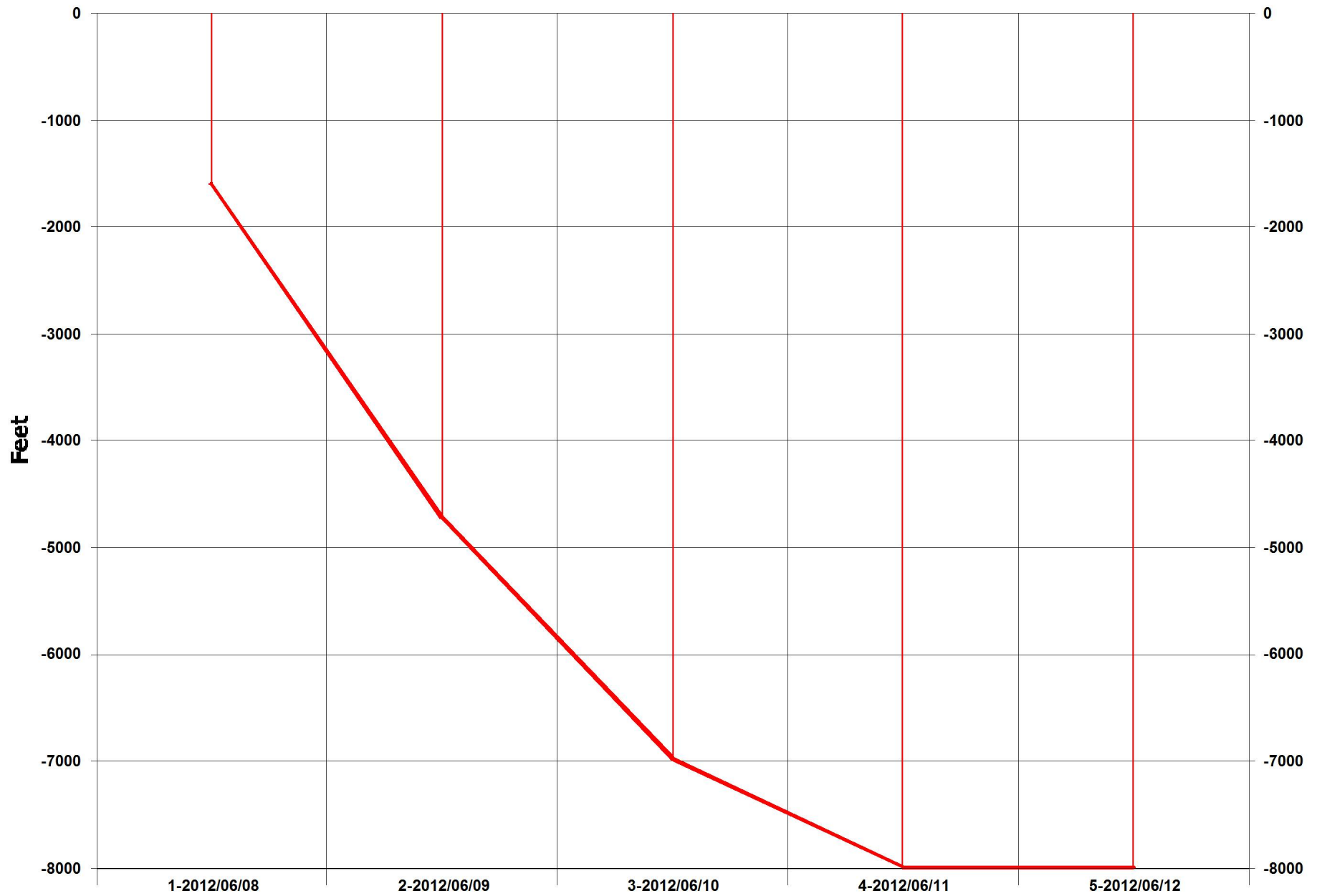
# Depth vs BHA



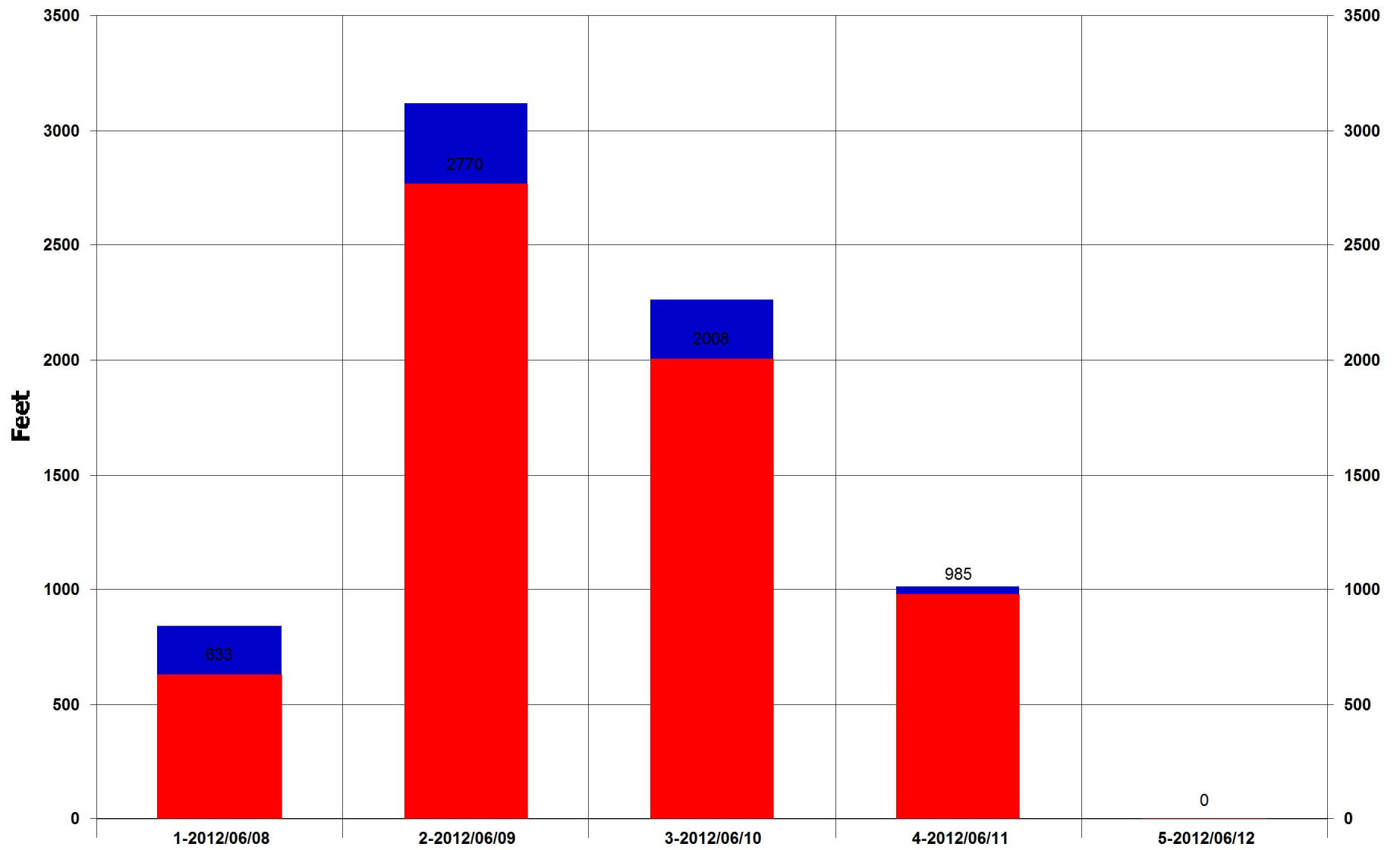
# Activity Histogram



### Measured Depth vs Days

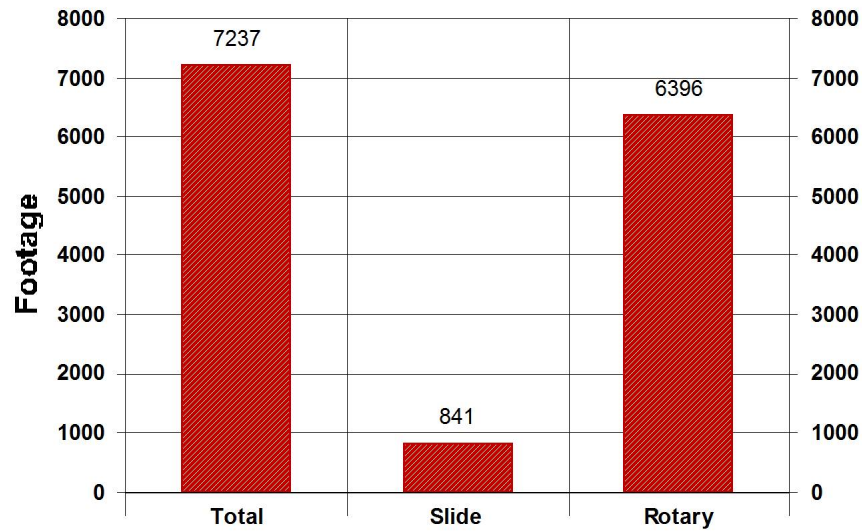


## Daily Footage

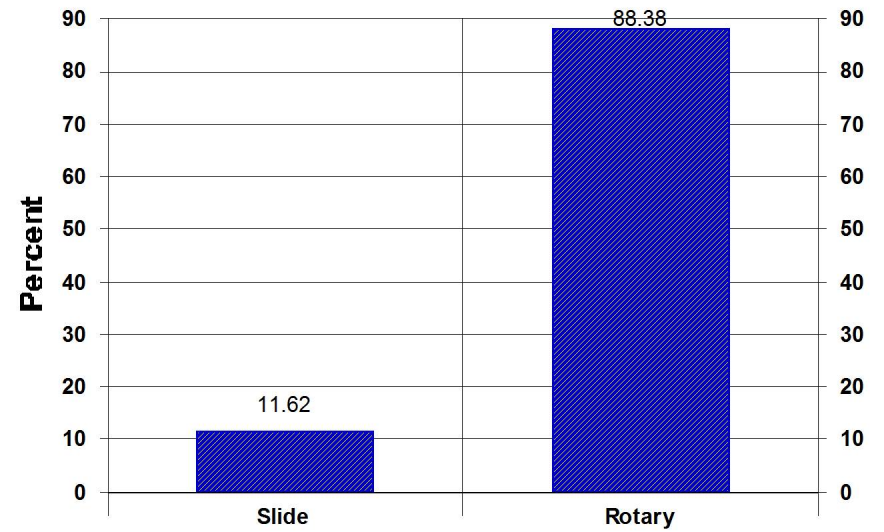


Rotary Drilling Sliding

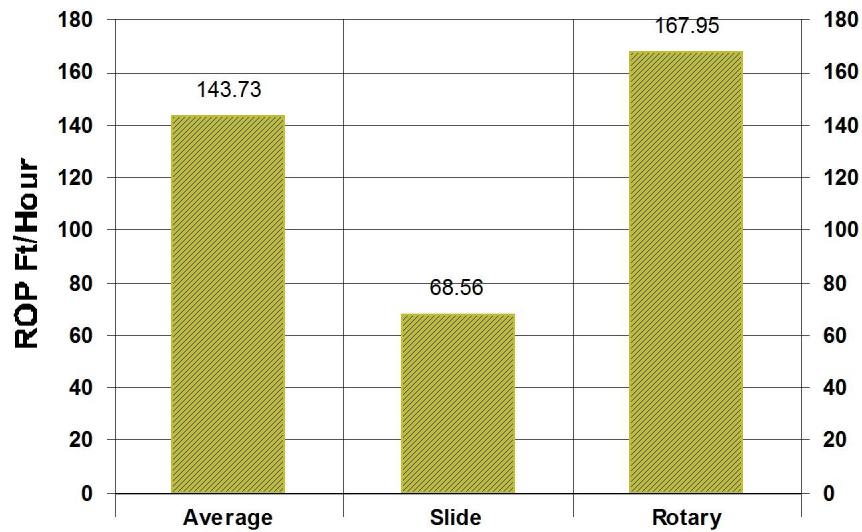
Footage Drilled Totals



Footage Percent



Rate of Penetration Totals



Time Percent

