



Well Name and Number:

GGU Kaufman 22D-30-691

Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





January 6, 2012

Troy Schindler
VP Drilling

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

Well Reference: **GGU Kaufman 22D-30-691**
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



nnguyen@sharewell.com

(713) 983-9818 - Office
(713) 992-8059 - Cell

Bill Barrett Corp. (III)

Garfield County, Colorado [NAD83]

Kaufman Pad #3

GGU Kaufman 22D-30-691 - Slot 22D

Wellbore #1

Design: Wellbore #1

Standard Survey Report

04 January, 2012

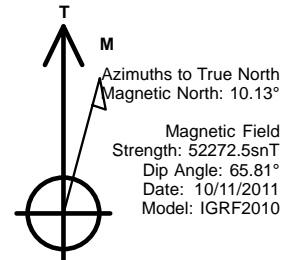
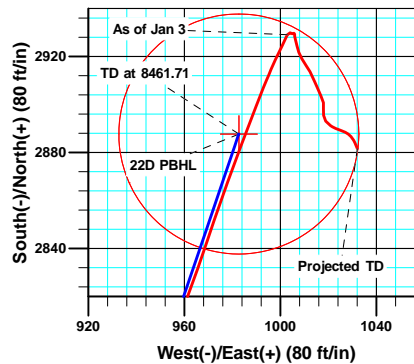
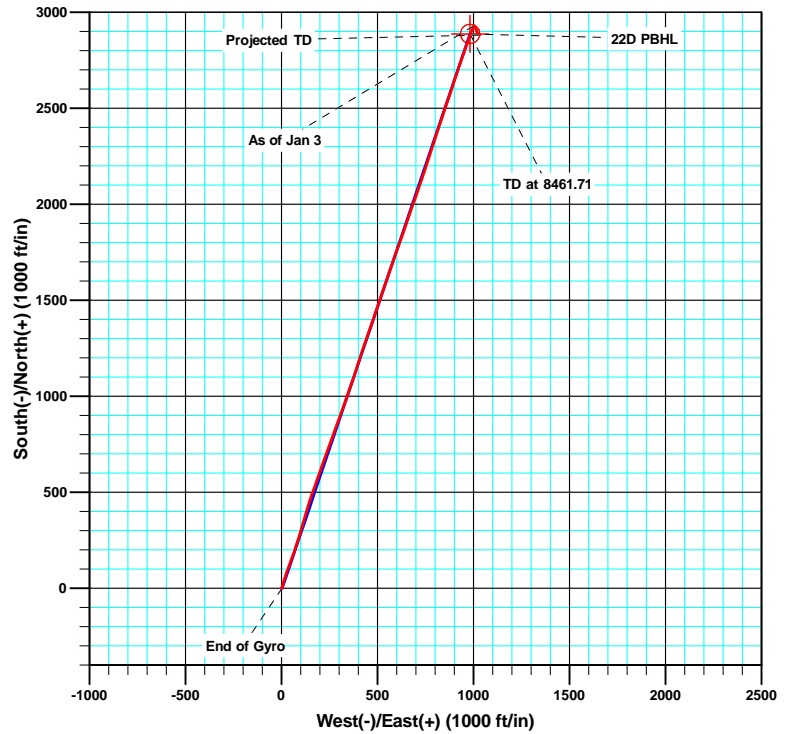
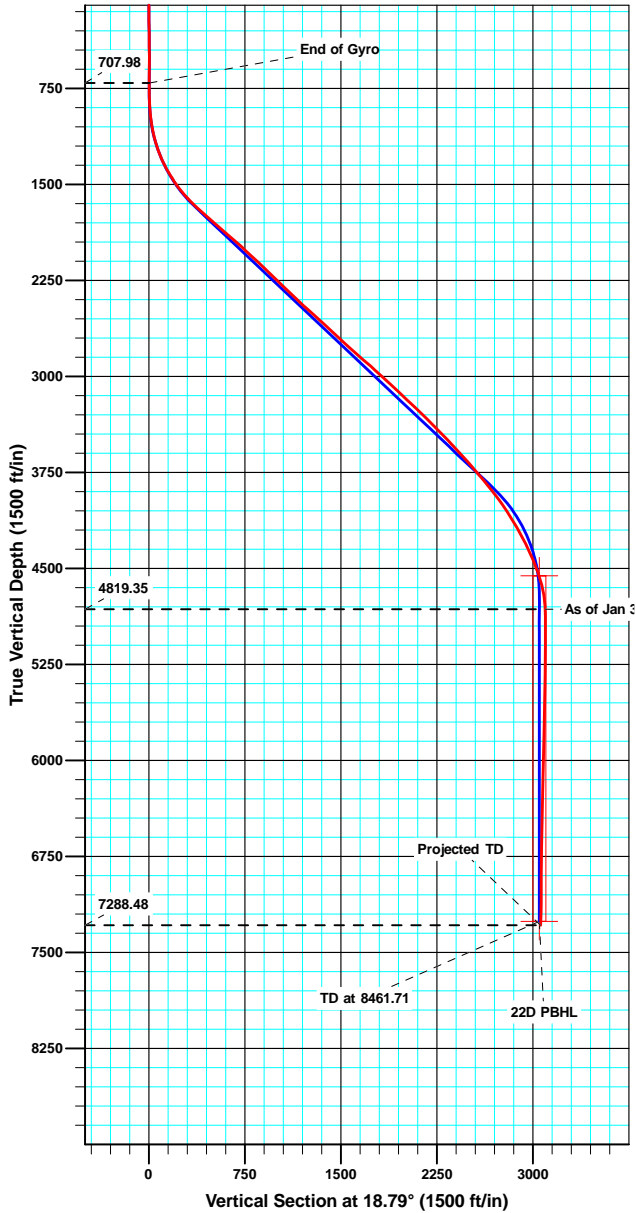


WELL DETAILS: GGU Kaufman 22D-30-691

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone 22D

+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1614277.67 2406761.47 39° 30' 4.04 N 107° 36' 9.10 W

Kaufman Pad #3 KB @ 5858.01ft (KB=23°)



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
707.98	708.00	0.530	23.23	1.35	3.87	2.53	4.32	End of Gyro
4819.35	6015.00	2.100	24.30	2929.10	1002.96	3096.06	3099.01	As of Jan 3
7288.48	8485.00	1.700	158.20	2881.64	1032.10	3060.51	3162.33	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp. (III)	Local Co-ordinate Reference:	Well GGU Kaufman 22D-30-691 - Slot 22D
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5858.01ft (KB=23')
Site:	Kaufman Pad #3	MD Reference:	KB @ 5858.01ft (KB=23')
Well:	GGU Kaufman 22D-30-691	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		Kaufman Pad #3			
Site Position:		Northing:	1,614,303.61 usft	Latitude:	39° 30' 4.29 N
From:	Lat/Long	Easting:	2,406,742.88 usft	Longitude:	107° 36' 9.35 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.33 °

Well	GGU Kaufman 22D-30-691 - Slot 22D					
Well Position	+N/-S	0.00 ft	Northing:	1,614,277.67 usft	Latitude:	39° 30' 4.04 N
	+E/-W	0.00 ft	Easting:	2,406,761.47 usft	Longitude:	107° 36' 9.10 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,835.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/11/2011	10.13	65.81	52,272

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	18.79	

Survey Program	Date	1/4/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
23.00	708.00	Survey #1 Gyro (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
812.00	8,485.00	MWD (Wellbore #1)	MWD	MWD - Standard	

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)	
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23.00	0.000	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	0.740	76.45	123.00	0.15	0.63	0.35	0.74	0.74	0.00	
223.00	0.360	77.82	222.99	0.37	1.56	0.85	0.38	-0.38	1.37	
323.00	0.340	75.16	322.99	0.51	2.16	1.18	0.03	-0.02	-2.66	
423.00	0.330	89.87	422.99	0.59	2.73	1.44	0.09	-0.01	14.71	
523.00	0.260	74.68	522.99	0.65	3.24	1.66	0.10	-0.07	-15.19	
623.00	0.240	42.64	622.99	0.86	3.60	1.98	0.14	-0.02	-32.04	
708.00	0.530	23.23	707.99	1.35	3.87	2.53	0.37	0.34	-22.84	
812.00	0.700	337.40	811.98	2.38	3.82	3.49	0.48	0.16	-44.07	

Sharewell

Survey Report

Company:	Bill Barrett Corp. (III)	Local Co-ordinate Reference:	Well GGU Kaufman 22D-30-691 - Slot 22D
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5858.01ft (KB=23')
Site:	Kaufman Pad #3	MD Reference:	KB @ 5858.01ft (KB=23')
Well:	GGU Kaufman 22D-30-691	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)
874.00	2.100	2.10	873.96	3.87	3.72	4.86	2.41	2.26	39.84
966.00	7.100	10.60	965.63	11.15	4.82	12.11	5.47	5.43	9.24
1,061.00	10.200	17.80	1,059.55	24.93	8.48	26.33	3.45	3.26	7.58
1,156.00	14.500	17.50	1,152.33	44.29	14.63	46.64	4.53	4.53	-0.32
1,251.00	20.800	18.00	1,242.81	71.70	23.42	75.43	6.63	6.63	0.53
1,346.00	25.600	20.90	1,330.10	106.94	35.97	112.83	5.19	5.05	3.05
1,441.00	30.800	19.90	1,413.80	149.01	51.58	157.68	5.50	5.47	-1.05
1,536.00	34.700	18.90	1,493.68	197.48	68.62	209.06	4.14	4.11	-1.05
1,631.00	39.800	17.20	1,569.28	252.15	86.38	266.54	5.48	5.37	-1.79
1,727.00	45.300	16.80	1,639.97	314.21	105.35	331.40	5.74	5.73	-0.42
1,822.00	48.000	15.70	1,705.18	380.53	124.66	400.40	2.96	2.84	-1.16
1,917.00	48.500	17.80	1,768.45	448.39	145.09	471.22	1.73	0.53	2.21
2,012.00	49.400	19.90	1,830.84	516.18	168.24	542.86	1.92	0.95	2.21
2,107.00	49.200	20.10	1,892.79	583.86	192.88	614.87	0.26	-0.21	0.21
2,202.00	48.500	19.80	1,955.30	651.10	217.28	686.38	0.77	-0.74	-0.32
2,297.00	47.400	19.40	2,018.93	717.55	240.95	756.92	1.20	-1.16	-0.42
2,392.00	46.200	18.70	2,083.96	783.01	263.56	826.17	1.37	-1.26	-0.74
2,487.00	46.400	20.50	2,149.60	847.70	286.60	894.84	1.39	0.21	1.89
2,537.00	46.400	20.70	2,184.08	881.60	299.33	931.03	0.29	0.00	0.40
2,678.00	46.400	20.10	2,281.31	977.30	334.93	1,033.10	0.31	0.00	-0.43
2,773.00	46.300	19.00	2,346.89	1,042.07	357.93	1,101.83	0.84	-0.11	-1.16
2,868.00	46.600	17.50	2,412.34	1,107.46	379.49	1,170.67	1.19	0.32	-1.58
2,963.00	47.700	18.20	2,476.95	1,173.75	400.84	1,240.31	1.28	1.16	0.74
3,058.00	47.600	17.80	2,540.95	1,240.53	422.54	1,310.51	0.33	-0.11	-0.42
3,153.00	47.900	19.90	2,604.83	1,307.07	445.26	1,380.83	1.67	0.32	2.21
3,248.00	47.500	18.70	2,668.76	1,373.38	468.48	1,451.09	1.02	-0.42	-1.26
3,343.00	47.200	19.40	2,733.13	1,439.43	491.29	1,520.96	0.63	-0.32	0.74
3,438.00	47.800	18.60	2,797.31	1,505.65	514.09	1,591.00	0.89	0.63	-0.84
3,533.00	49.000	17.40	2,860.38	1,573.21	536.03	1,662.03	1.58	1.26	-1.26
3,628.00	48.900	20.20	2,922.78	1,641.02	559.11	1,733.66	2.23	-0.11	2.95
3,724.00	47.600	19.80	2,986.70	1,708.32	583.61	1,805.26	1.39	-1.35	-0.42
3,819.00	47.400	18.90	3,050.88	1,774.41	606.82	1,875.30	0.73	-0.21	-0.95
3,914.00	46.100	20.10	3,115.98	1,839.63	629.91	1,944.48	1.65	-1.37	1.26
4,009.00	46.900	18.40	3,181.37	1,904.69	652.62	2,013.39	1.55	0.84	-1.79
4,104.00	46.200	18.80	3,246.70	1,970.05	674.62	2,082.35	0.80	-0.74	0.42
4,199.00	46.300	20.20	3,312.40	2,034.74	697.52	2,150.97	1.07	0.11	1.47
4,295.00	45.300	18.80	3,379.33	2,099.60	720.50	2,219.78	1.48	-1.04	-1.46
4,390.00	42.700	18.60	3,447.66	2,162.11	741.66	2,285.77	2.74	-2.74	-0.21
4,485.00	43.100	18.40	3,517.25	2,223.43	762.18	2,350.44	0.44	0.42	-0.21
4,580.00	43.300	17.50	3,586.50	2,285.30	782.22	2,415.46	0.68	0.21	-0.95
4,675.00	42.200	17.90	3,656.26	2,346.73	801.82	2,479.93	1.19	-1.16	0.42
4,770.00	40.900	17.80	3,727.36	2,406.71	821.14	2,542.93	1.37	-1.37	-0.11
4,865.00	39.700	18.70	3,799.81	2,465.06	840.37	2,604.37	1.40	-1.26	0.95

Sharewell

Survey Report

Company:	Bill Barrett Corp. (III)	Local Co-ordinate Reference:	Well GGU Kaufman 22D-30-691 - Slot 22D
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5858.01ft (KB=23')
Site:	Kaufman Pad #3	MD Reference:	KB @ 5858.01ft (KB=23')
Well:	GGU Kaufman 22D-30-691	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)	
4,960.00	39.100	18.70	3,873.22	2,522.18	859.71	2,664.67	0.63	-0.63	0.00	
5,055.00	36.300	18.40	3,948.38	2,577.25	878.19	2,722.76	2.95	-2.95	-0.32	
5,150.00	33.900	18.00	4,026.10	2,629.13	895.26	2,777.38	2.54	-2.53	-0.42	
5,245.00	31.600	18.80	4,105.99	2,677.90	911.47	2,828.77	2.46	-2.42	0.84	
5,340.00	30.400	19.10	4,187.42	2,724.18	927.35	2,877.69	1.27	-1.26	0.32	
5,436.00	27.200	19.50	4,271.54	2,767.82	942.63	2,923.93	3.34	-3.33	0.42	
5,531.00	25.100	20.10	4,356.81	2,807.22	956.80	2,965.79	2.23	-2.21	0.63	
5,626.00	22.900	18.80	4,443.59	2,843.64	969.69	3,004.43	2.38	-2.32	-1.37	
5,721.00	19.300	20.30	4,532.21	2,875.87	981.09	3,038.61	3.83	-3.79	1.58	
5,825.00	14.400	21.50	4,631.71	2,904.04	991.80	3,068.73	4.72	-4.71	1.15	
5,920.00	8.400	26.10	4,724.80	2,921.28	999.19	3,087.43	6.38	-6.32	4.84	
6,015.00	2.100	24.30	4,819.35	2,929.10	1,002.96	3,096.06	6.63	-6.63	-1.89	
6,110.00	1.100	151.30	4,914.33	2,929.89	1,004.12	3,097.17	3.05	-1.05	133.68	
6,205.00	0.700	52.60	5,009.32	2,929.44	1,005.02	3,097.04	1.46	-0.42	-103.89	
6,300.00	0.300	104.50	5,104.32	2,929.73	1,005.72	3,097.54	0.60	-0.42	54.63	
6,395.00	0.400	181.00	5,199.32	2,929.34	1,005.95	3,097.24	0.46	0.11	80.53	
6,490.00	0.600	181.90	5,294.31	2,928.51	1,005.93	3,096.45	0.21	0.21	0.95	
6,586.00	1.600	159.30	5,390.30	2,926.76	1,006.39	3,094.93	1.12	1.04	-23.54	
6,681.00	1.400	172.10	5,485.26	2,924.37	1,007.02	3,092.87	0.41	-0.21	13.47	
6,776.00	1.800	159.90	5,580.23	2,921.81	1,007.69	3,090.68	0.55	0.42	-12.84	
6,871.00	1.900	149.10	5,675.18	2,919.06	1,009.01	3,088.50	0.38	0.11	-11.37	
6,966.00	2.300	147.40	5,770.11	2,916.10	1,010.85	3,086.29	0.43	0.42	-1.79	
7,061.00	1.100	148.00	5,865.07	2,913.73	1,012.36	3,084.52	1.26	-1.26	0.63	
7,156.00	1.600	159.60	5,960.04	2,911.71	1,013.30	3,082.92	0.60	0.53	12.21	
7,251.00	1.100	145.70	6,055.02	2,909.71	1,014.28	3,081.34	0.63	-0.53	-14.63	
7,346.00	2.300	162.00	6,149.97	2,907.15	1,015.38	3,079.27	1.35	1.26	17.16	
7,441.00	2.300	150.40	6,244.90	2,903.68	1,016.91	3,076.48	0.49	0.00	-12.21	
7,537.00	1.500	175.30	6,340.85	2,900.75	1,017.97	3,074.04	1.18	-0.83	25.94	
7,632.00	1.700	185.50	6,435.81	2,898.11	1,017.93	3,071.53	0.37	0.21	10.74	
7,727.00	1.500	168.70	6,530.77	2,895.48	1,018.04	3,069.09	0.53	-0.21	-17.68	
7,822.00	1.600	150.30	6,625.74	2,893.11	1,018.94	3,067.13	0.53	0.11	-19.37	
7,917.00	1.800	119.90	6,720.70	2,891.22	1,020.89	3,065.96	0.96	0.21	-32.00	
8,012.00	1.300	118.20	6,815.66	2,889.96	1,023.14	3,065.50	0.53	-0.53	-1.79	
8,107.00	1.700	103.60	6,910.63	2,889.12	1,025.46	3,065.45	0.58	0.42	-15.37	
8,202.00	1.800	128.20	7,005.59	2,887.87	1,028.00	3,065.08	0.79	0.11	25.89	
8,297.00	1.200	136.20	7,100.55	2,886.23	1,029.86	3,064.13	0.67	-0.63	8.42	
8,392.00	1.700	158.20	7,195.52	2,884.20	1,031.07	3,062.60	0.78	0.53	23.16	
8,485.00	1.700	158.20	7,288.48	2,881.64	1,032.10	3,060.51	0.00	0.00	0.00	

Sharewell
Survey Report

Company:	Bill Barrett Corp. (III)	Local Co-ordinate Reference:	Well GGU Kaufman 22D-30-691 - Slot 22D
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5858.01ft (KB=23')
Site:	Kaufman Pad #3	MD Reference:	KB @ 5858.01ft (KB=23')
Well:	GGU Kaufman 22D-30-691	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
708.00	707.98	1.35	3.87	End of Gyro
6,015.00	4,819.35	2,929.10	1,002.96	As of Jan 3
8,485.00	7,288.48	2,881.64	1,032.10	Projected TD

Checked By: _____	Approved By: _____	Date: _____
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SDI Job #:	20111229	Report Time:	2400	1 of 4
COMPANY:	Bill Barrett	API JOB #	05-045-20738	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Land	FIELD:	Kaufman # 3	
STATE:	CO	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	GGU Kaufman 22D-30-691			

From Saturday, December 31, 2011 at 0000 to Saturday, December 31, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	730.00	Rotary Hours	7.58	WOB	25	Pick UP	105	Slack Off	80	SPM	
End Depth	3548.00	Circulating Hours	0.47	RAB	95	SPP	2545	FlowRate	0 - 590	140	
Total Drilled:	2818.00	Avg. Total ROP:	229.73	Mud Data							
Total Rotary Drilled:	2151.00	Avg. Rotary ROP:	283.65	Type	LSND			PV	11	SOLID	9
Total Drilled Sliding:	667.00	Avg. Slide ROP:	142.42	Weight	9.8	GAS	0	YP	9	BHT°	0
Slide Hours:	4.68	Percent Rotary:	76.33	Viscosity	59	SAND	0.1	PH	9.8	Flow T°	68
Below Rotary Hrs.	18.00	Percent Slide:	23.67	Chlorides	500	WL	10.4			Oil %	0
PERSONNEL				Casing				BHA			
Lead Directional :	Tim Perkins			Size	Lb/ft	Set Depth		BHA # 1:FXD 56M 8 3/4" 5 Blade:5x16jets:.982, 6.5 PDM / 1.83 Fixed ako, 6.5 UBHO (IS), 6.5 NMDC # 1, 6.5 Gap Sub (IS), 6.5 NMDC # 2, 30 jnts 4.5 SP HWDP,			
Second Directional :	Casey Berger			9 5/8	29.3	775					
MWD Operator1	Casey Berger			Signature:							
MWD Operator2	Tim Perkins										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Jody South							Daily Cost			
Incl. In:	0.53	Azm. In:	23.3	Incl. Out:	47.8	Azm. Out:	18.6	Cummulative Cost:			

GENERAL COMMENT

Waited on rig to rig up and test BOPE. L/D the entire old BHA that was standing back in the derrick and picked up a completely new and recently inspected BHA. TIH and drilled out cement, float (730') and shoe (775'). Rotated to 840' and began the kick off.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Dec-11	00:00	06:00	6.00	0	0	Standby	Wait on rig to complete rig up and test.
31-Dec-11	06:00	07:15	1.25	0	0	Other	L/D old BHA that was racked back in the derrick
31-Dec-11	07:15	07:30	0.25	0	0	Other	P/U MM and test same.
31-Dec-11	07:30	08:15	0.75	0	0	Rig repair	C/O Saver Sub
31-Dec-11	08:15	09:10	0.92	0	0	Change BHA	Change BHA
31-Dec-11	09:10	09:57	0.78	0	0	TIH	TIH
31-Dec-11	09:57	10:30	0.55	730	775	Drilling Cement	D/O Cement
31-Dec-11	10:30	10:42	0.20	775	831	Drilling	Drilling
31-Dec-11	10:42	10:44	0.03	831	831	Survey & Conn.	Survey & Conn.
31-Dec-11	10:44	10:56	0.20	831	862	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	10:56	10:58	0.03	862	862	MWD Survey	MWD Survey
31-Dec-11	10:58	11:16	0.30	862	924	Sliding	Sliding - TFO 18M
31-Dec-11	11:16	11:18	0.03	924	924	Survey & Conn.	Survey & Conn.
31-Dec-11	11:18	11:24	0.10	924	955	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	11:24	11:26	0.03	955	955	MWD Survey	MWD Survey
31-Dec-11	11:26	11:35	0.15	955	985	Sliding	Sliding - (WOB:15;GPM :500;TFO:10R)
31-Dec-11	11:35	11:43	0.13	985	1016	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Dec-11	11:43	11:45	0.03	1016	1016	Survey & Conn.	Survey & Conn.
31-Dec-11	11:45	11:57	0.20	1016	1056	Sliding	Sliding - (WOB:15;GPM :500;TFO:20R)
31-Dec-11	11:57	12:03	0.10	1056	1080	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	12:03	12:04	0.02	1080	1080	MWD Survey	MWD Survey
31-Dec-11	12:04	12:09	0.08	1080	1111	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	12:09	12:11	0.03	1111	1111	Survey & Conn.	Survey & Conn.
31-Dec-11	12:11	12:34	0.38	1111	1181	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	12:34	12:39	0.08	1181	1206	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	12:39	12:41	0.03	1206	1206	Survey & Conn.	Survey & Conn.
31-Dec-11	12:41	12:53	0.20	1206	1241	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	12:53	12:58	0.08	1241	1270	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	12:58	13:05	0.12	1270	1295	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	13:05	13:08	0.05	1295	1301	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	13:08	13:10	0.03	1301	1301	Survey & Conn.	Survey & Conn.
31-Dec-11	13:10	13:20	0.17	1301	1331	Sliding	Sliding - (WOB:15;GPM :500;TFO:10R)
31-Dec-11	13:20	13:26	0.10	1331	1365	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	13:26	13:36	0.17	1365	1390	Sliding	Sliding - (WOB:15;GPM :500;TFO:10R)
31-Dec-11	13:36	13:38	0.03	1390	1396	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	13:38	13:41	0.05	1396	1396	Survey & Conn.	Survey & Conn.
31-Dec-11	13:41	13:53	0.20	1396	1426	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	13:53	13:59	0.10	1426	1460	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	13:59	14:08	0.15	1460	1485	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	14:08	14:10	0.03	1485	1491	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	14:10	14:14	0.07	1491	1491	Survey & Conn.	Survey & Conn.
31-Dec-11	14:14	14:29	0.25	1491	1521	Sliding	Sliding - (WOB:15;GPM :500;TFO:10L)
31-Dec-11	14:29	14:36	0.12	1521	1551	Drilling	Drilling - (WOB:15;GPM :500;RPM:51)
31-Dec-11	14:36	14:44	0.13	1551	1576	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	14:44	14:46	0.03	1576	1586	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	14:46	14:48	0.03	1586	1586	Survey & Conn.	Survey & Conn.
31-Dec-11	14:48	15:03	0.25	1586	1621	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	15:03	15:08	0.08	1621	1651	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	15:08	15:15	0.12	1651	1671	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	15:15	15:17	0.03	1671	1681	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	15:17	15:19	0.03	1681	1681	Survey & Conn.	Survey & Conn.
31-Dec-11	15:19	15:36	0.28	1681	1726	Sliding	Sliding - (WOB:15;GPM :500;TFO:10R)
31-Dec-11	15:36	15:40	0.07	1726	1747	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	15:40	15:49	0.15	1747	1777	Sliding	Sliding - (WOB:15;GPM :500;TFO:0)
31-Dec-11	15:49	15:52	0.05	1777	1777	Survey & Conn.	Survey & Conn.
31-Dec-11	15:52	16:15	0.38	1777	1777	Rig Service-Inhole	Rig Service-Inhole
31-Dec-11	16:15	16:32	0.28	1777	1872	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	16:32	16:34	0.03	1872	1872	Survey & Conn.	Survey & Conn.
31-Dec-11	16:34	16:46	0.20	1872	1897	Sliding	Sliding - (WOB:15;GPM :500;TFO:70R)
31-Dec-11	16:46	16:59	0.22	1897	1967	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	16:59	17:01	0.03	1967	1967	Survey & Conn.	Survey & Conn.
31-Dec-11	17:01	17:12	0.18	1967	1987	Sliding	Sliding - (WOB:15;GPM :500;TFO:85R)
31-Dec-11	17:12	17:24	0.20	1987	2062	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	17:24	17:27	0.05	2062	2062	Survey & Conn.	Survey & Conn.
31-Dec-11	17:27	17:43	0.27	2062	2157	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-Dec-11	17:43	17:47	0.07	2157	2157	Survey & Conn.	Survey & Conn.
31-Dec-11	17:47	18:02	0.25	2157	2252	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	18:02	18:07	0.08	2252	2252	Survey & Conn.	Survey & Conn.
31-Dec-11	18:07	18:27	0.33	2252	2347	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	18:27	18:31	0.07	2347	2347	Survey & Conn.	Survey & Conn.
31-Dec-11	18:31	18:48	0.28	2347	2442	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	18:48	18:51	0.05	2442	2442	Survey & Conn.	Survey & Conn.
31-Dec-11	18:51	19:04	0.22	2442	2457	Sliding	Sliding - (WOB:15;GPM :500;TFO:85R)
31-Dec-11	19:04	19:15	0.18	2457	2537	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	19:15	19:18	0.05	2537	2537	Survey & Conn.	Survey & Conn.
31-Dec-11	19:18	19:35	0.28	2537	2632	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	19:35	19:39	0.07	2632	2632	Survey & Conn.	Survey & Conn.
31-Dec-11	19:39	19:54	0.25	2632	2728	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	19:54	19:57	0.05	2728	2728	Survey & Conn.	Survey & Conn.
31-Dec-11	19:57	20:11	0.23	2728	2823	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	20:11	20:12	0.02	2823	2823	Survey & Conn.	Survey & Conn.
31-Dec-11	20:12	20:33	0.35	2823	2918	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	20:33	20:35	0.03	2918	2918	Survey & Conn.	Survey & Conn.
31-Dec-11	20:35	20:55	0.33	2918	2933	Sliding	Sliding - (WOB:15;GPM :500;TFO:85R)
31-Dec-11	20:55	21:06	0.18	2933	3013	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	21:06	21:08	0.03	3013	3013	Survey & Conn.	Survey & Conn.
31-Dec-11	21:08	21:25	0.28	3013	3108	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	21:25	21:27	0.03	3108	3108	Survey & Conn.	Survey & Conn.
31-Dec-11	21:27	21:47	0.33	3108	3128	Sliding	Sliding - (WOB:15;GPM :500;TFO:85R)
31-Dec-11	21:47	21:59	0.20	3128	3203	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	21:59	22:01	0.03	3203	3203	Survey & Conn.	Survey & Conn.
31-Dec-11	22:01	22:16	0.25	3203	3298	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	22:16	22:18	0.03	3298	3298	Survey & Conn.	Survey & Conn.
31-Dec-11	22:18	22:30	0.20	3298	3313	Sliding	Sliding - (WOB:15;GPM :500;TFO:90R)
31-Dec-11	22:30	22:47	0.28	3313	3393	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	22:47	22:50	0.05	3393	3393	Survey & Conn.	Survey & Conn.
31-Dec-11	22:50	23:24	0.57	3393	3488	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
31-Dec-11	23:24	23:30	0.10	3488	3488	Survey & Conn.	Survey & Conn.
31-Dec-11	23:30	24:00	0.50	3488	3548	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)

SDI Job #:	20111229	Report Time:	2400	2 of 4
COMPANY:	Bill Barrett	API JOB #	05-045-20738	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Land	FIELD:	Kaufman # 3	
STATE:	CO	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	GGU Kaufman 22D-30-691			

From Sunday, January 01, 2012 at 0000 to Sunday, January 01, 2012 at 2400

DRILLING SUMMARY						Drilling Parameters					
Start Depth	3548.00	Rotary Hours	11.65	WOB	15	Pick UP	105	Slack Off	80	SPM	
End Depth	5714.00	Circulating Hours	1.78	RAB	95	SPP	2545	FlowRate	500 - 500	140	
Total Drilled:	2166.00	Avg. Total ROP:	153.25	Mud Data							
Total Rotary Drilled:	2081.00	Avg. Rotary ROP:	178.63	Type	LSND			PV	11	SOLID	9
Total Drilled Sliding:	85.00	Avg. Slide ROP:	34.23	Weight	9.8	GAS	0	YP	9	BHT°	0
Slide Hours:	2.48	Percent Rotary:	96.08	Viscosity	59	SAND	0.1	PH	9.8	Flow T°	68
Below Rotary Hrs.	24.00	Percent Slide:	3.92	Chlorides	500	WL	10.4			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Tim Perkins			Size	Lb/ft	Set Depth		BHA # 2:FX65M, 6.5 PDM / 1.83 Fixed ako, 6.5 UBHO (IS), 6.5 NMDC # 1, 6.5 Gap Sub (IS), 6.5 NMDC # 2, 21 jnts 4.5 SP HWDP,			
Second Directional :	Casey Berger			9 5/8	29.3	775					
MWD Operator1	Casey Berger			Signature:							
MWD Operator2	Tim Perkins										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Jody South						Daily Cost				
Incl. In:	47.8	Azm. In:	18.6	Incl. Out:	22.5	Azm. Out:	18.3	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Jan-12	00:00	00:08	0.13	3548	3583	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	00:08	00:10	0.03	3583	3583	Survey & Conn.	Survey & Conn.
1-Jan-12	00:10	00:36	0.43	3583	3608	Sliding	Sliding - (WOB:15;GPM :500;TFO:90R)
1-Jan-12	00:36	00:46	0.17	3608	3678	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	00:46	00:49	0.05	3678	3678	Survey & Conn.	Survey & Conn.
1-Jan-12	00:49	01:00	0.18	3678	3688	Sliding	Sliding - (WOB:15;GPM :500;TFO:120R)
1-Jan-12	01:00	01:22	0.37	3688	3774	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	01:22	01:24	0.03	3774	3774	Survey & Conn.	Survey & Conn.
1-Jan-12	01:24	01:40	0.27	3774	3869	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	01:40	01:42	0.03	3869	3869	Survey & Conn.	Survey & Conn.
1-Jan-12	01:42	02:24	0.70	3869	3964	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	02:24	02:26	0.03	3964	3964	Survey & Conn.	Survey & Conn.
1-Jan-12	02:26	02:51	0.42	3964	4059	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	02:51	02:54	0.05	4059	4059	Survey & Conn.	Survey & Conn.
1-Jan-12	02:54	03:24	0.50	4059	4154	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	03:24	03:27	0.05	4154	4154	Survey & Conn.	Survey & Conn.
1-Jan-12	03:27	04:07	0.67	4154	4249	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Jan-12	04:07	04:09	0.03	4249	4249	Survey & Conn.	Survey & Conn.
1-Jan-12	04:09	04:21	0.20	4249	4345	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	04:21	04:22	0.02	4345	4345	Survey & Conn.	Survey & Conn.
1-Jan-12	04:22	04:45	0.38	4345	4440	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	04:45	04:47	0.03	4440	4440	Survey & Conn.	Survey & Conn.
1-Jan-12	04:47	05:04	0.28	4440	4535	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	05:04	05:06	0.03	4535	4535	Survey & Conn.	Survey & Conn.
1-Jan-12	05:06	05:30	0.40	4535	4630	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	05:30	05:32	0.03	4630	4630	Survey & Conn.	Survey & Conn.
1-Jan-12	05:32	06:20	0.80	4630	4725	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	06:20	06:23	0.05	4725	4725	Survey & Conn.	Survey & Conn.
1-Jan-12	06:23	06:56	0.55	4725	4820	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	06:56	06:58	0.03	4820	4820	Survey & Conn.	Survey & Conn.
1-Jan-12	06:58	07:14	0.27	4820	4850	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	07:14	07:34	0.33	4850	4862	Sliding	Sliding - (WOB:15;GPM :500;TFO:20R)
1-Jan-12	07:34	07:46	0.20	4862	4915	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	07:46	07:48	0.03	4915	4915	Survey & Conn.	Survey & Conn.
1-Jan-12	07:48	08:36	0.80	4915	5010	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	08:36	08:39	0.05	5010	5010	Survey & Conn.	Survey & Conn.
1-Jan-12	08:39	09:24	0.75	5010	5105	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	09:24	09:26	0.03	5105	5105	Survey & Conn.	Survey & Conn.
1-Jan-12	09:26	10:00	0.57	5105	5200	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	10:00	10:05	0.08	5200	5200	Survey & Conn.	Survey & Conn.
1-Jan-12	10:05	10:37	0.53	5200	5295	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	10:37	10:41	0.07	5295	5295	Survey & Conn.	Survey & Conn.
1-Jan-12	10:41	11:16	0.58	5295	5390	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	11:16	11:20	0.07	5390	5390	Survey & Conn.	Survey & Conn.
1-Jan-12	11:20	11:57	0.62	5390	5486	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	11:57	12:02	0.08	5486	5486	Survey & Conn.	Survey & Conn.
1-Jan-12	12:02	12:44	0.70	5486	5581	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	12:44	12:50	0.10	5581	5581	Survey & Conn.	Survey & Conn.
1-Jan-12	12:50	13:27	0.62	5581	5596	Sliding	Sliding - (WOB:15;GPM :500;TFO:130L)
1-Jan-12	13:27	13:56	0.48	5596	5646	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	13:56	14:34	0.63	5646	5666	Sliding	Sliding - (WOB:15;GPM :500;TFO:180)
1-Jan-12	14:34	14:38	0.07	5666	5676	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	14:38	14:41	0.05	5676	5676	Survey & Conn.	Survey & Conn.
1-Jan-12	14:41	15:15	0.57	5676	5676	Rig Service-Inhole	Rig Service-Inhole
1-Jan-12	15:15	15:30	0.25	5676	5711	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
1-Jan-12	15:30	15:31	0.02	5711	5711	MWD Survey	MWD Survey
1-Jan-12	15:31	15:48	0.28	5711	5714	Sliding	Sliding - (WOB:15;GPM :500;TFO:180)
1-Jan-12	15:48	17:00	1.20	5714	5714	Circulating	Circulating
1-Jan-12	17:00	21:25	4.42	5714	5714	POOH	POOH
1-Jan-12	21:25	21:56	0.52	5714	5714	Change BHA	Change BHA
1-Jan-12	21:56	22:36	0.67	5714	5714	TIH	TIH t/ shoe
1-Jan-12	22:36	24:00	1.40	5714	5714	Rig repair	Rig repair/ slip and cut drilling line.

SDI Job #:	20111229	Report Time:	2400	3 of 4
COMPANY:	Bill Barrett	API JOB #	05-045-20738	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Land	FIELD:	Kaufman # 3	
STATE:	CO	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	GGU Kaufman 22D-30-691			

From Monday, January 02, 2012 at 0000 to Monday, January 02, 2012 at 2400

DRILLING SUMMARY						Drilling Parameters					
Start Depth	5714.00	Rotary Hours	11.13	WOB	25	Pick UP	180	Slack Off	115	SPM	
End Depth	7682.00	Circulating Hours	0.40	RAB	140	SPP	2545	FlowRate	500 - 500	140	
Total Drilled:	1968.00	Avg. Total ROP:	108.73	Mud Data							
Total Rotary Drilled:	1577.00	Avg. Rotary ROP:	141.65	Type	LSND			PV	11	SOLID	9
Total Drilled Sliding:	391.00	Avg. Slide ROP:	56.12	Weight	9.8	GAS	0	YP	9	BHT°	0
Slide Hours:	6.97	Percent Rotary:	80.13	Viscosity	59	SAND	0.1	PH	9.8	Flow T°	68
Below Rotary Hrs.	24.00	Percent Slide:	19.87	Chlorides	500	WL	10.4			Oil %	0
PERSONNEL				Casing					BHA		
Lead Directional :	Tim Perkins			Size	Lb/ft	Set Depth		BHA # 2:FX65M, 6.5 PDM / 1.83 Fixed ako, 6.5 UBHO (IS), 6.5 NMDC # 1, 6.5 Gap Sub (IS), 6.5 NMDC # 2, 21 jnts 4.5 SP HWDP,			
Second Directional :	Casey Berger			9 5/8	29.3	775					
MWD Operator1	Casey Berger			Signature:							
MWD Operator2	Tim Perkins										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Jody South						Daily Cost				
Incl. In:	22.5	Azm. In:	18.3	Incl. Out:	1.5	Azm. Out:	175.3	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Jan-12	00:00	03:45	3.75	5714	5714	TIH	TIH
2-Jan-12	03:45	04:15	0.50	5714	5771	Sliding	Sliding - (WOB:15;GPM :500;TFO:180)
2-Jan-12	04:15	04:17	0.03	5771	5771	Survey & Conn.	Survey & Conn.
2-Jan-12	04:17	04:41	0.40	5771	5779	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	04:41	04:57	0.27	5779	5810	Sliding	Sliding - (WOB:15;GPM :500;TFO:180)
2-Jan-12	04:57	05:07	0.17	5810	5839	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	05:07	05:22	0.25	5839	5858	Sliding	Sliding - (WOB:15;GPM :500;TFO:170R)
2-Jan-12	05:22	05:28	0.10	5858	5875	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	05:28	05:37	0.15	5875	5875	Survey & Conn.	Survey & Conn.
2-Jan-12	05:37	06:10	0.55	5875	5896	Sliding	Sliding - (WOB:15;GPM :500;TFO:170R)
2-Jan-12	06:10	06:20	0.17	5896	5911	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	06:20	06:55	0.58	5911	5960	Sliding	Sliding - (WOB:15;GPM :500;TFO:170R)
2-Jan-12	06:55	07:04	0.15	5960	5970	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	07:04	07:08	0.07	5970	5970	Survey & Conn.	Survey & Conn.
2-Jan-12	07:08	07:16	0.13	5970	5981	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	07:16	07:38	0.37	5981	6010	Sliding	Sliding - (WOB:15;GPM :500;TFO:170R)
2-Jan-12	07:38	07:46	0.13	6010	6030	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Jan-12	07:46	08:05	0.32	6030	6058	Sliding	Sliding - (WOB:15;GPM :500;TFO:180)
2-Jan-12	08:05	08:17	0.20	6058	6065	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	08:17	08:19	0.03	6065	6065	Survey & Conn.	Survey & Conn.
2-Jan-12	08:19	08:45	0.43	6065	6128	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	08:45	09:22	0.62	6128	6160	Sliding	Sliding - (WOB:15;GPM :500;TFO:210)
2-Jan-12	09:22	09:28	0.10	6160	6160	Survey & Conn.	Survey & Conn.
2-Jan-12	09:28	09:50	0.37	6160	6225	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	09:50	09:52	0.03	6225	6225	MWD Survey	MWD Survey
2-Jan-12	09:52	10:44	0.87	6225	6255	Sliding	Sliding - (WOB:15;GPM :500;TFO:210)
2-Jan-12	10:44	10:49	0.08	6255	6255	Survey & Conn.	Survey & Conn.
2-Jan-12	10:49	11:22	0.55	6255	6280	Sliding	Sliding - (WOB:15;GPM :500;TFO:210)
2-Jan-12	11:22	11:53	0.52	6280	6350	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	11:53	11:59	0.10	6350	6350	Survey & Conn.	Survey & Conn.
2-Jan-12	11:59	12:33	0.57	6350	6445	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	12:33	12:39	0.10	6445	6445	Survey & Conn.	Survey & Conn.
2-Jan-12	12:39	13:14	0.58	6445	6540	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	13:14	13:18	0.07	6540	6540	Survey & Conn.	Survey & Conn.
2-Jan-12	13:18	13:53	0.58	6540	6636	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	13:53	13:59	0.10	6636	6636	Survey & Conn.	Survey & Conn.
2-Jan-12	13:59	14:29	0.50	6636	6731	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	14:29	14:33	0.07	6731	6731	Survey & Conn.	Survey & Conn.
2-Jan-12	14:33	15:08	0.58	6731	6826	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	15:08	15:10	0.03	6826	6826	Survey & Conn.	Survey & Conn.
2-Jan-12	15:10	15:32	0.37	6826	6826	Rig Service-Inhole	Rig Service-Inhole
2-Jan-12	15:32	16:08	0.60	6826	6921	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	16:08	16:14	0.10	6921	6921	Survey & Conn.	Survey & Conn.
2-Jan-12	16:14	16:49	0.58	6921	7016	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	16:49	16:57	0.13	7016	7016	Survey & Conn.	Survey & Conn.
2-Jan-12	16:57	17:36	0.65	7016	7036	Sliding	Sliding - (WOB:15;GPM :500;TFO:327)
2-Jan-12	17:36	18:07	0.52	7036	7111	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	18:07	18:15	0.13	7111	7111	Survey & Conn.	Survey & Conn.
2-Jan-12	18:15	18:53	0.63	7111	7206	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	18:53	18:59	0.10	7206	7206	Survey & Conn.	Survey & Conn.
2-Jan-12	18:59	19:33	0.57	7206	7301	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	19:33	19:38	0.08	7301	7301	Survey & Conn.	Survey & Conn.
2-Jan-12	19:38	20:20	0.70	7301	7396	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	20:20	20:23	0.05	7396	7396	Survey & Conn.	Survey & Conn.
2-Jan-12	20:23	21:02	0.65	7396	7416	Sliding	Sliding - (WOB:15;GPM :500;TFO:327)
2-Jan-12	21:02	21:51	0.82	7416	7491	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	21:51	22:00	0.15	7491	7491	Survey & Conn.	Survey & Conn.
2-Jan-12	22:00	22:48	0.80	7491	7521	Sliding	Sliding - (WOB:15;GPM :500;TFO:250M)
2-Jan-12	22:48	23:10	0.37	7521	7587	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
2-Jan-12	23:10	23:14	0.07	7587	7587	Survey & Conn.	Survey & Conn.
2-Jan-12	23:14	24:00	0.77	7587	7682	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)

SDI Job #:	20111229	Report Time:	2400	4 of 4
COMPANY:	Bill Barrett	API JOB #	05-045-20738	
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Land	FIELD:	Kaufman # 3	
STATE:	CO	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	GGU Kaufman 22D-30-691			

From Tuesday, January 03, 2012 at 0000 to Tuesday, January 03, 2012 at 2400

DRILLING SUMMARY						Drilling Parameters					
Start Depth	5714.00	Rotary Hours	11.13	WOB	25	Pick UP	180	Slack Off	115	SPM	
End Depth	7682.00	Circulating Hours	0.40	RAB	140	SPP	2750	FlowRate	500 - 500	140	
Total Drilled:	1968.00	Avg. Total ROP:	108.73	Mud Data							
Total Rotary Drilled:	1577.00	Avg. Rotary ROP:	141.65	Type	LSND			PV	11	SOLID	9
Total Drilled Sliding:	391.00	Avg. Slide ROP:	56.12	Weight	9.8	GAS	0	YP	9	BHT°	0
Slide Hours:	6.97	Percent Rotary:	80.13	Viscosity	59	SAND	0.1	PH	9.8	Flow T°	68
Below Rotary Hrs.	24.00	Percent Slide:	19.87	Chlorides	500	WL	10.4			Oil %	0
PERSONNEL				Casing				BHA			
Lead Directional :	Tim Perkins			Size	Lb/ft	Set Depth	BHA # 2:FX65M, 6.5 PDM / 1.83 Fixed ako, 6.5 UBHO (IS), 6.5 NMDC # 1, 6.5 Gap Sub (IS), 6.5 NMDC # 2, 21 jnts 4.5 SP HWDP,				
Second Directional :	Casey Berger			9 5/8	29.3	775					
MWD Operator1	Casey Berger			Signature:							
MWD Operator2	Tim Perkins										
Directional Company:	Sharewell Energy Services										
Geologist:											
Company Man:	Jody Smith						Daily Cost				
Incl. In:	1.5	Azm. In:	175.3	Incl. Out:	1.7	Azm. Out:	158.2	Cummulative Cost:			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Jan-12	00:00	00:04	0.07	7682	7682	Survey & Conn.	Survey & Conn.
3-Jan-12	00:04	00:44	0.67	7682	7777	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	00:44	00:48	0.07	7777	7777	Survey & Conn.	Survey & Conn.
3-Jan-12	00:48	02:24	1.60	7777	7872	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	02:24	02:26	0.03	7872	7872	Survey & Conn.	Survey & Conn.
3-Jan-12	02:26	03:45	1.32	7872	7967	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	03:45	03:48	0.05	7967	7967	Survey & Conn.	Survey & Conn.
3-Jan-12	03:48	04:40	0.87	7967	8062	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	04:40	04:43	0.05	8062	8062	Survey & Conn.	Survey & Conn.
3-Jan-12	04:43	05:27	0.73	8062	8157	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	05:27	05:30	0.05	8157	8157	Survey & Conn.	Survey & Conn.
3-Jan-12	05:30	06:09	0.65	8157	8252	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	06:09	06:12	0.05	8252	8252	Survey & Conn.	Survey & Conn.
3-Jan-12	06:12	07:12	1.00	8252	8347	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	07:12	07:14	0.03	8347	8347	Survey & Conn.	Survey & Conn.
3-Jan-12	07:14	08:27	1.22	8347	8442	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	08:27	08:30	0.05	8442	8442	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Jan-12	08:30	08:44	0.23	8442	8485	Drilling	Drilling - (WOB:25;GPM :500;RPM:51)
3-Jan-12	08:44	08:46	0.03	8485	8485	MWD Survey	MWD Survey
3-Jan-12	08:46	09:45	0.98	8485	8485	Circulating	Circulating
3-Jan-12	09:45	12:00	2.25	8485	8485	Short Trip	Short Trip
3-Jan-12	12:00	13:15	1.25	8485	8485	Circulating	Circulating
3-Jan-12	13:15	17:00	3.75	8485	8485	POOH	POOH
3-Jan-12	17:00	24:00	7.00	8485	8485	Standby	Standby

Well Information

BHA #

1

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

AFE# & District

RIG NAME: Land

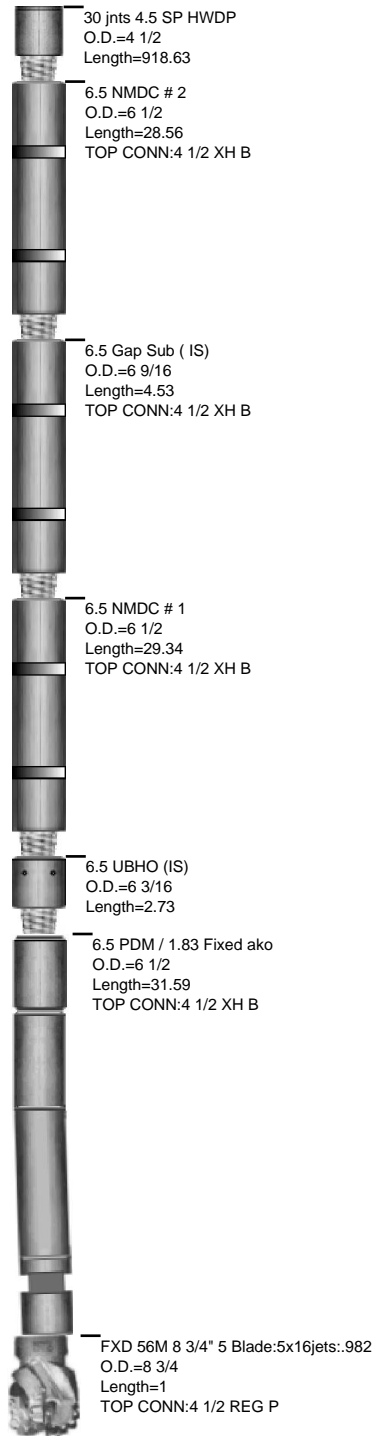
STATE: CO

COUNTY: Garfield

BHA TYPE

Steerable Assembly

WELL NAME: GGU Kaufman 22D-30-691



SDI Job #: 20111229
 COMPANY: Bill Barrett
 LOCATION: Silt
 RIG NAME: Land
 STATE: CO
 COUNTY: Garfield
 WELL NAME: GGU Kaufman 22D-30-691

FIELD: Kaufman # 3
 Sec-Twn-Rng:
 AFE# & District

COMMENT

BHA Summary Report for JOB

#	TIME IN - OUT			DEPTHS		Footage			ROP			RPM	FLOW	Incl.		Azimuth		Weight Ranges		
	Time IN	Time Out	Hrs.	IN	OUT	Rotary	Slide	Total	AVG.	Rotary	Slide		Rate	IN	OUT	IN	OUT	SO	PU	RAB
1	31-Dec-11 @ 09:10	01-Jan-12 @ 21:56	36.77	730.0	5714.0	4187.0	752.0	4984.0	192.80	224.1	104.9	51-51	500-500	.0	.0	.0	.0	0-80	0-105	0-95
			Hours>			18.68	7.17	25.85												

FXD 56M 8 3/4" 5 Blade:5x16jets: .982
 O.D.=8 3/4
 Length=1

6.5 UBHO (IS)
 O.D.=6 3/16
 Length=2.73

30 jnts 4.5 SP HWDP
 O.D.=4 1/2
 Length=918.63



6.5 PDM / 1.83 Fixed ako
 O.D.=6 1/2
 Length=31.59

6.5 NMDC # 1
 O.D.=6 1/2
 Length=29.34

6.5 Gap Sub (IS)
 O.D.=6 9/16
 Length=4.53

6.5 NMDC # 2
 O.D.=6 1/2
 Length=28.56

#	TIME IN - OUT			DEPTHS		Footage			ROP			RPM	FLOW	Incl.		Azimuth		Weight Ranges		
	Time IN	Time Out	Hrs.	IN	OUT	Rotary	Slide	Total	AVG.	Rotary	Slide		Rate	IN	OUT	IN	OUT	SO	PU	RAB
2	01-Jan-12 @ 21:56	03-Jan-12 @ 24:00	50.07	5714.0	8485.0	2380.0	391.0	2771.0	105.03	122.6	56.1	51-51	500-500	.0	.0	.0	.0	80-115	105-180	95-140
			Hours>			19.42	6.97	26.38												

FX65M
 O.D.=7 7/8
 Length=1

6.5 UBHO (IS)
 O.D.=6 3/16
 Length=2.73

21 jnts 4.5 SP HWDP
 O.D.=4 1/2
 Length=645.33



6.5 PDM / 1.83 Fixed ako
 O.D.=6 1/2
 Length=31.59

6.5 NMDC # 1
 O.D.=6 1/2
 Length=29.34

6.5 Gap Sub (IS)
 O.D.=6 9/16
 Length=4.53

6.5 NMDC # 2
 O.D.=6 1/2
 Length=28.56

Well Information

BHA # 1

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

PO #/ DISTRICT

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody South

COUNTY: Garfield

BHA TYPE: Steerable Assembly

WELL NAME: GGU Kaufman 22D-30-691

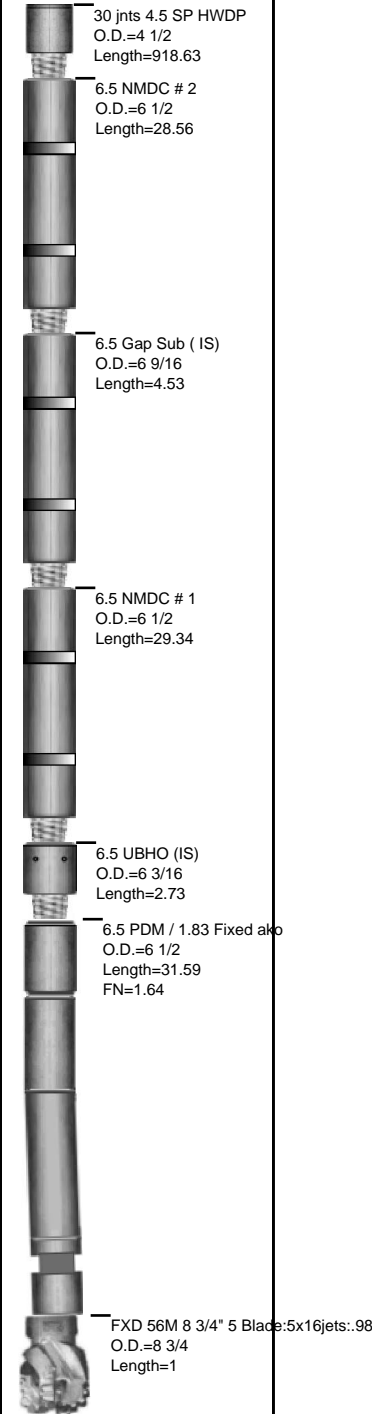
BHA Summary Information

TIME IN - OUT			Rotary Hours			19.23		Start Depth			730.00		RPM Range	Flow Rate
Start Time	End Time		Circ Hrs Tot/Only			28.65 / 2.25		End Depth			5714.00			
31-Dec-11 @ 09:10	01-Jan-12 @ 21:56		Slide Hours			7.17		Percent Rotary:			84.91		51 -51	500 -500
			Below Rotary Hrs.			36.77		Percent Slide:			15.09			
Total Drilled:			4984.00		Avg. Total ROP:			188.79		Incl.		Azimuth		
Total Rotary Drilled:			4232.00		Avg. Rotary ROP:			220.03		IN	OUT	IN		OUT
Total Drilled Sliding:			752.00		Avg. Slide ROP:			104.93		.0	.0	.00		.00
SPP	1650 -2545	Weights	SO	0 -80	PU	0 -105	RAB	0 -95	Reason POOH					

Bit Data							Motor Data					Mud Data				
SEC.		FXD 56M 8 3/4" 5					6 1/2 Fixed PDM					Type	LSND			
Type Bit				PDC			Model: Max Torque			Pad OD		WT 9.8 GAS 0 Solids 9				
TFA		0.981					MFG. Hunting			6 9/16		Vis 59 SAND 0.1 T ° 68				
JETS		16	16	16	16	16	Bend ° 1.83		Stator/Rotor 7/8		PV 11 PH 9.8 Chlor 500					
		0	0	0	0	0	Bit to Bend 6.2		Motor Diff 425		YP 9 WL 10.4 Oil % 0					
Bit Coding			IADC#		423		Rev/GAL 0.16						BHT°		0	
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0		Pumps		PUMP1		PUMP1			
									NAME				National			
									Model				FD-1600			
Bit Drop:		234 PSI @ 500 GPM				Sensor Offsets			Type				Tri- Plex			
Comments				Sensor	50	Sonic	0	Liner				6.00				
				Gamma	0	DNCS	775	Stroke				12.00				
				Restiv	0	GYRO	0	Efficiency				95.00				

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FXD 56M 8 3/4" 5 Blade:5x16jets:982	11868379		8 3/4	1.00	1.00	4 1/2 REGP
2	6.5 PDM / 1.83 Fixed ako	6158		6 1/2	31.59	32.59	4 1/2 XHB
3	6.5 UBHO (IS)	65-111	2 15/16	6 3/16	2.73	35.32	4 1/2 XHB
4	6.5 NMDC # 1	SD40645	3 1/4	6 1/2	29.34	64.66	4 1/2 XHB
5	6.5 Gap Sub (IS)	G-675-002XHSW	3 1/4	6 9/16	4.53	69.19	4 1/2 XHB
6	6.5 NMDC # 2	SD33533	3 1/4	6 1/2	28.56	97.75	4 1/2 XHB
7	30 jnts 4.5 SP HWDP	RIG	2 7/8	4 1/2	918.63	1016.38	4 1/2 XHB



Well Information

BHA # 2

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

PO #/ DISTRICT

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody Smith

COUNTY: Garfield

BHA TYPE: Steerable Assembly

WELL NAME: GGU Kaufman 22D-30-691

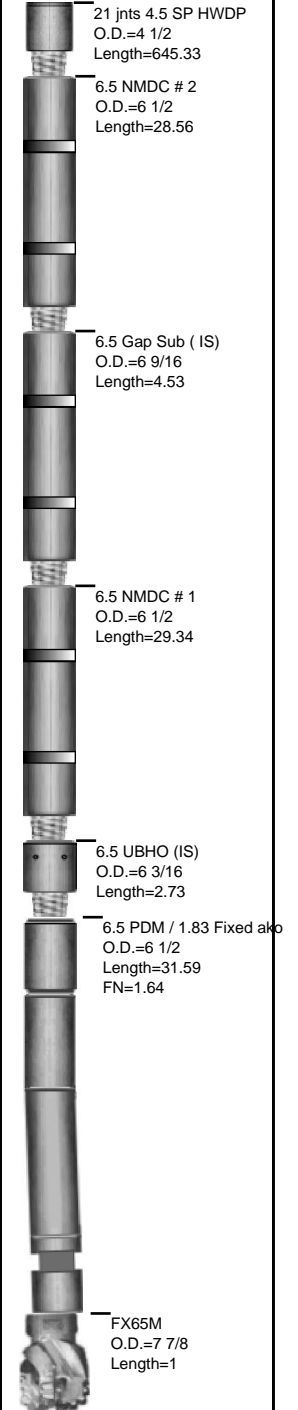
BHA Summary Information

TIME IN - OUT			Rotary Hours			19.42		Start Depth			5714.00		RPM Range	Flow Rate
Start Time	End Time		Circ Hrs Tot/Only			29.05 / 2.67		End Depth			8485.00			
01-Jan-12 @ 21:56	03-Jan-12 @ 24:00		Slide Hours			6.97		Percent Rotary:			85.89		51 -51	500 -500
			Below Rotary Hrs.			43.07		Percent Slide:			14.11			
Total Drilled:			2771.00		Avg. Total ROP:			105.03		Incl.		Azimuth		
Total Rotary Drilled:			2380.00		Avg. Rotary ROP:			122.58		IN	OUT	IN		OUT
Total Drilled Sliding:			391.00		Avg. Slide ROP:			56.12		.0	.0	.00		.00
SPP	2545 -2750	Weights	SO	80 -115	PU	105 -180	RAB	95 -140	Reason POOH					

Bit Data							Motor Data					Mud Data				
SEC.		FX65M					6 1/2 Fixed PDM					Type	LSND			
Type Bit				PDC			Model: Max Torque, HR			Pad OD		WT 9.8 GAS 0 Solids 9				
TFA		1.178					MFG. Hunting			6 9/16		Vis 59 SAND 0.1 T ° 68				
JETS		16	16	16	16	16	Bend ° 1.83 Stator/Rotor 7/8			7/8		PV 11 PH 9.8 Chlor 500				
		16	0	0	0	0	Bit to Bend 6.2 Motor Diff 425			425		YP 9 WL 10.4 Oil % 0				
Bit Coding			IADC#					Rev/GAL 0.16					BHT° 0			
IR	OR	DL	Loc	BS	G	ODL	NB Stab 0			Pumps		PUMP1		PUMP1		
							Rotor Jet 0			NAME		National		National		
										Model		FD-1600		FD-1600		
Bit Drop:		163 PSI @ 500 GPM					Sensor Offsets			Type		Tri- Plex		Tri Plex		
Comments				Sensor	50	Sonic	0	Liner		6.00		6.00		6.00		
				Gamma	0	DNsc	5714	Stroke		12.00		12.00		12.00		
				Restiv	0	GYRO	0	Efficiency		95.00		95.00		95.00		

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FX65M	11880492		7 7/8	1.00	1.00	4 1/2 REGP
2	6.5 PDM / 1.83 Fixed ako	6158		6 1/2	31.59	32.59	4 1/2 XHB
3	6.5 UBHO (IS)	65-111	2 15/16	6 3/16	2.73	35.32	4 1/2 XHB
4	6.5 NMDC # 1	SD40645	3 1/4	6 1/2	29.34	64.66	4 1/2 XHB
5	6.5 Gap Sub (IS)	G-675-002XHSW	3 1/4	6 9/16	4.53	69.19	4 1/2 XHB
6	6.5 NMDC # 2	SD33533	3 1/4	6 1/2	28.56	97.75	4 1/2 XHB
7	21 jnts 4.5 SP HWDP	Patt313	2 7/8	4 1/2	645.33	743.08	4 1/2 XHB



SDI Job #: 20111229
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Land
STATE: CO
COUNTY: Country
WELL NAME: GGU Kaufman 22D-30-691

FIELD: Kaufman # 3
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc: 6 1/2 Fixed PDM	
Bent Hsg/Sub: 1.8 / 1.8 3 3	Bit to Bend: 6.2
PAD OD: 6 9/16	NB Stab:

Slide Report for all BHA's in Job: 20111229

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	31-Dec	Drilling	10:30	10:42	0.20	775	831	56	15	280.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	10:44	10:56	0.20	831	862	31	15	155.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	10:58	11:16	0.30	862	924	62	15	206.7	51	7.2	500	1650	18M	0.00	0.00	0.00	
1	31-Dec	Drilling	11:18	11:24	0.10	924	955	31	15	310.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	11:26	11:35	0.15	955	985	30	15	200.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	11:35	11:43	0.13	985	1016	31	15	232.5	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	11:45	11:57	0.20	1016	1056	40	15	200.0	51	7.2	500	1650	20R	0.00	0.00	0.00	
1	31-Dec	Drilling	11:57	12:03	0.10	1056	1080	24	15	240.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:04	12:09	0.08	1080	1111	31	15	372.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:11	12:34	0.38	1111	1181	70	15	182.6	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:34	12:39	0.08	1181	1206	25	15	300.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:41	12:53	0.20	1206	1241	35	15	175.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:53	12:58	0.08	1241	1270	29	15	348.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:58	13:05	0.12	1270	1295	25	15	214.3	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	13:05	13:08	0.05	1295	1301	6	15	120.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:10	13:20	0.17	1301	1331	30	15	180.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	13:20	13:26	0.10	1331	1365	34	15	340.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:26	13:36	0.17	1365	1390	25	15	150.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	13:36	13:38	0.03	1390	1396	6	15	180.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:41	13:53	0.20	1396	1426	30	15	150.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	13:53	13:59	0.10	1426	1460	34	15	340.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:59	14:08	0.15	1460	1485	25	15	166.7	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	14:08	14:10	0.03	1485	1491	6	15	180.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	14:14	14:29	0.25	1491	1521	30	15	120.0	51	7.2	500	1650	10L	0.00	0.00	0.00	
1	31-Dec	Drilling	14:29	14:36	0.12	1521	1551	30	25	257.1	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	14:36	14:44	0.13	1551	1576	25	15	187.5	51	7.2	500	2182		0.00	0.00	0.00	

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#	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	31-Dec	Drilling	14:44	14:46	0.03	1576	1586	10	25	300.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	14:48	15:03	0.25	1586	1621	35	15	140.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:03	15:08	0.08	1621	1651	30	25	360.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:08	15:15	0.12	1651	1671	20	15	171.4	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:15	15:17	0.03	1671	1681	10	25	300.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:19	15:36	0.28	1681	1726	45	15	158.8	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:36	15:40	0.07	1726	1747	21	25	315.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:40	15:49	0.15	1747	1777	30	15	200.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	16:15	16:32	0.28	1777	1872	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	16:34	16:46	0.20	1872	1897	25	15	125.0	51	7.2	500	2182	70R	0.00	0.00	0.00	
1	31-Dec	Drilling	16:46	16:59	0.22	1897	1967	70	25	323.1	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	17:01	17:12	0.18	1967	1987	20	15	109.1	51	7.2	500	2182	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	17:12	17:24	0.20	1987	2062	75	25	375.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	17:27	17:43	0.27	2062	2157	95	25	356.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	17:47	18:02	0.25	2157	2252	95	25	380.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	18:07	18:27	0.33	2252	2347	95	25	285.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	18:31	18:48	0.28	2347	2442	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	18:51	19:04	0.22	2442	2457	15	15	69.2	51	7.2	500	2182	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	19:04	19:15	0.18	2457	2537	80	25	436.4	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:18	19:35	0.28	2537	2632	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:39	19:54	0.25	2632	2728	96	25	384.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:57	20:11	0.23	2728	2823	95	25	407.1	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	20:12	20:33	0.35	2823	2918	95	25	271.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	20:35	20:55	0.33	2918	2933	15	15	45.0	51	12.2	500	2545	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	20:55	21:06	0.18	2933	3013	80	25	436.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	21:08	21:25	0.28	3013	3108	95	25	335.3	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	21:27	21:47	0.33	3108	3128	20	15	60.0	51	12.2	500	2545	90R	0.00	0.00	0.00	
1	31-Dec	Drilling	21:47	21:59	0.20	3128	3203	75	25	375.0	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	22:01	22:16	0.25	3203	3298	95	25	380.0	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	22:18	22:30	0.20	3298	3313	15	15	75.0	51	12.2	500	2545	90R	0.00	0.00	0.00	
1	31-Dec	Drilling	22:30	22:47	0.28	3313	3393	80	25	282.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	22:50	23:24	0.57	3393	3488	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	23:30	24:00	0.50	3488	3548	60	25	120.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	00:00	00:08	0.13	3548	3583	35	25	262.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	00:10	00:36	0.43	3583	3608	25	15	57.7	51	12.2	500	2545	120R	0.00	0.00	0.00	

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1	1-Jan	Drilling	00:36	00:46	0.17	3608	3678	70	25	420.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	00:49	01:00	0.18	3678	3688	10	15	54.5	51	12.2	500	2545	180	0.00	0.00	0.00	
1	1-Jan	Drilling	01:00	01:22	0.37	3688	3774	86	25	234.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	01:24	01:40	0.27	3774	3869	95	25	356.3	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	01:42	02:24	0.70	3869	3964	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	02:26	02:51	0.42	3964	4059	95	25	228.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	02:54	03:24	0.50	4059	4154	95	25	190.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	03:27	04:07	0.67	4154	4249	95	25	142.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:09	04:21	0.20	4249	4345	96	25	480.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:22	04:45	0.38	4345	4440	95	25	247.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:47	05:04	0.28	4440	4535	95	25	335.3	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	05:06	05:30	0.40	4535	4630	95	25	237.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	05:32	06:20	0.80	4630	4725	95	25	118.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	06:23	06:56	0.55	4725	4820	95	25	172.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	06:58	07:14	0.27	4820	4850	30	25	112.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	07:14	07:34	0.33	4850	4862	12	15	36.0	51	12.2	500	2545	20R	0.00	0.00	0.00	
1	1-Jan	Drilling	07:34	07:46	0.20	4862	4915	53	25	265.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	07:48	08:36	0.80	4915	5010	95	25	118.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	08:39	09:24	0.75	5010	5105	95	25	126.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	09:26	10:00	0.57	5105	5200	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	10:05	10:37	0.53	5200	5295	95	25	178.1	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	10:41	11:16	0.58	5295	5390	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	11:20	11:57	0.62	5390	5486	96	25	155.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	12:02	12:44	0.70	5486	5581	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	12:50	13:27	0.62	5581	5596	15	15	24.3	51	12.2	500	2545	130L	0.00	0.00	0.00	
1	1-Jan	Drilling	13:27	13:56	0.48	5596	5646	50	25	103.4	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	13:56	14:34	0.63	5646	5666	20	15	31.6	51	12.2	500	2545	180	0.00	0.00	0.00	
1	1-Jan	Drilling	14:34	14:38	0.07	5666	5676	10	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	15:15	15:30	0.25	5676	5711	35	25	140.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	15:31	15:48	0.28	5711	5714	3	15	10.6	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Sliding	03:45	04:15	0.50	5714	5771	57	15	114.0	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	04:17	04:41	0.40	5771	5779	8	25	20.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	04:41	04:57	0.27	5779	5810	31	15	116.3	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	04:57	05:07	0.17	5810	5839	29	25	174.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	05:07	05:22	0.25	5839	5858	19	15	76.0	51	12.2	500	2545	170R	0.00	0.00	0.00	

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2	2-Jan	Drilling	05:22	05:28	0.10	5858	5875	17	25	170.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	05:37	06:10	0.55	5875	5896	21	15	38.2	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	06:10	06:20	0.17	5896	5911	15	25	90.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	06:20	06:55	0.58	5911	5960	49	15	84.0	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	06:55	07:04	0.15	5960	5970	10	25	66.7	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	07:08	07:16	0.13	5970	5981	11	25	82.5	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	07:16	07:38	0.37	5981	6010	29	15	79.1	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	07:38	07:46	0.13	6010	6030	20	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	07:46	08:05	0.32	6030	6058	28	15	88.4	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	08:05	08:17	0.20	6058	6065	7	25	35.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	08:19	08:45	0.43	6065	6128	63	25	145.4	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	08:45	09:22	0.62	6128	6160	32	15	51.9	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Drilling	09:28	09:50	0.37	6160	6225	65	25	177.3	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	09:52	10:44	0.87	6225	6255	30	15	34.6	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Sliding	10:49	11:22	0.55	6255	6280	25	15	45.5	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Drilling	11:22	11:53	0.52	6280	6350	70	25	135.5	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	11:59	12:33	0.57	6350	6445	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	12:39	13:14	0.58	6445	6540	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	13:18	13:53	0.58	6540	6636	96	25	164.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	13:59	14:29	0.50	6636	6731	95	25	190.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	14:33	15:08	0.58	6731	6826	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	15:32	16:08	0.60	6826	6921	95	25	158.3	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	16:14	16:49	0.58	6921	7016	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	16:57	17:36	0.65	7016	7036	20	15	30.8	51	12.2	500	2545	327	0.00	0.00	0.00	
2	2-Jan	Drilling	17:36	18:07	0.52	7036	7111	75	25	145.2	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	18:15	18:53	0.63	7111	7206	95	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	18:59	19:33	0.57	7206	7301	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	19:38	20:20	0.70	7301	7396	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	20:23	21:02	0.65	7396	7416	20	15	30.8	51	12.2	500	2545	250M	0.00	0.00	0.00	
2	2-Jan	Drilling	21:02	21:51	0.82	7416	7491	75	25	91.8	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	22:00	22:48	0.80	7491	7521	30	15	37.5	51	12.2	500	2545	300M	0.00	0.00	0.00	
2	2-Jan	Drilling	22:48	23:10	0.37	7521	7587	66	25	180.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	23:14	24:00	0.77	7587	7682	95	25	123.9	51	12.2	500	2545		0.00	0.00	0.00	
2	3-Jan	Drilling	00:04	00:44	0.67	7682	7777	95	25	142.5	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	00:48	02:24	1.60	7777	7872	95	25	59.4	51	12.2	500	2750		0.00	0.00	0.00	

Slide Report for all BHA's in Job: 20111229

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	3-Jan	Drilling	02:26	03:45	1.32	7872	7967	95	25	72.2	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	03:48	04:40	0.87	7967	8062	95	25	109.6	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	04:43	05:27	0.73	8062	8157	95	25	129.5	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	05:30	06:09	0.65	8157	8252	95	25	146.2	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	06:12	07:12	1.00	8252	8347	95	25	95.0	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	07:14	08:27	1.22	8347	8442	95	25	78.1	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	08:30	08:44	0.23	8442	8485	43	25	184.3	51	12.2	500	2750		0.00	0.00	0.00	

Total Drilled: 7755 Avg. Total ROP: 146.92

DEPTH% - TIME %

Total Rotary Drilled: 6612 Avg. Rotary ROP: 171.07 Percent Rotary: 85.26 - 73.22

Total Drilled Sliding: 1143 Avg. Slide ROP: 80.87 Percent Slide: 14.74 - 26.78

SDI Job #: 20111229
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Land
STATE: CO
COUNTY: Country
WELL NAME: GGU Kaufman 22D-30-691

FIELD: Kaufman # 3
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc: 6 1/2 Fixed PDM	
Bent Hsg/Sub: 1.8 / 1.8 3 3	Bit to Bend: 6.2
PAD OD: 6 9/16	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	31-Dec	Drilling	10:30	10:42	0.20	775	831	56	15	280.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	10:44	10:56	0.20	831	862	31	15	155.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	10:58	11:16	0.30	862	924	62	15	206.7	51	7.2	500	1650	18M	0.00	0.00	0.00	
1	31-Dec	Drilling	11:18	11:24	0.10	924	955	31	15	310.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	11:26	11:35	0.15	955	985	30	15	200.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	11:35	11:43	0.13	985	1016	31	15	232.5	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	11:45	11:57	0.20	1016	1056	40	15	200.0	51	7.2	500	1650	20R	0.00	0.00	0.00	
1	31-Dec	Drilling	11:57	12:03	0.10	1056	1080	24	15	240.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:04	12:09	0.08	1080	1111	31	15	372.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:11	12:34	0.38	1111	1181	70	15	182.6	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:34	12:39	0.08	1181	1206	25	15	300.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:41	12:53	0.20	1206	1241	35	15	175.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	12:53	12:58	0.08	1241	1270	29	15	348.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	12:58	13:05	0.12	1270	1295	25	15	214.3	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	13:05	13:08	0.05	1295	1301	6	15	120.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:10	13:20	0.17	1301	1331	30	15	180.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	13:20	13:26	0.10	1331	1365	34	15	340.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:26	13:36	0.17	1365	1390	25	15	150.0	51	7.2	500	1650	10R	0.00	0.00	0.00	
1	31-Dec	Drilling	13:36	13:38	0.03	1390	1396	6	15	180.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:41	13:53	0.20	1396	1426	30	15	150.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	13:53	13:59	0.10	1426	1460	34	15	340.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	13:59	14:08	0.15	1460	1485	25	15	166.7	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Drilling	14:08	14:10	0.03	1485	1491	6	15	180.0	51	7.2	500	1650		0.00	0.00	0.00	
1	31-Dec	Sliding	14:14	14:29	0.25	1491	1521	30	15	120.0	51	7.2	500	1650	10L	0.00	0.00	0.00	
1	31-Dec	Drilling	14:29	14:36	0.12	1521	1551	30	25	257.1	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	14:36	14:44	0.13	1551	1576	25	15	187.5	51	7.2	500	2182		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	31-Dec	Drilling	14:44	14:46	0.03	1576	1586	10	25	300.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	14:48	15:03	0.25	1586	1621	35	15	140.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:03	15:08	0.08	1621	1651	30	25	360.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:08	15:15	0.12	1651	1671	20	15	171.4	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:15	15:17	0.03	1671	1681	10	25	300.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:19	15:36	0.28	1681	1726	45	15	158.8	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	15:36	15:40	0.07	1726	1747	21	25	315.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	15:40	15:49	0.15	1747	1777	30	15	200.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	16:15	16:32	0.28	1777	1872	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	16:34	16:46	0.20	1872	1897	25	15	125.0	51	7.2	500	2182	70R	0.00	0.00	0.00	
1	31-Dec	Drilling	16:46	16:59	0.22	1897	1967	70	25	323.1	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	17:01	17:12	0.18	1967	1987	20	15	109.1	51	7.2	500	2182	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	17:12	17:24	0.20	1987	2062	75	25	375.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	17:27	17:43	0.27	2062	2157	95	25	356.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	17:47	18:02	0.25	2157	2252	95	25	380.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	18:07	18:27	0.33	2252	2347	95	25	285.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	18:31	18:48	0.28	2347	2442	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Sliding	18:51	19:04	0.22	2442	2457	15	15	69.2	51	7.2	500	2182	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	19:04	19:15	0.18	2457	2537	80	25	436.4	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:18	19:35	0.28	2537	2632	95	25	335.3	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:39	19:54	0.25	2632	2728	96	25	384.0	51	7.2	500	2182		0.00	0.00	0.00	
1	31-Dec	Drilling	19:57	20:11	0.23	2728	2823	95	25	407.1	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	20:12	20:33	0.35	2823	2918	95	25	271.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	20:35	20:55	0.33	2918	2933	15	15	45.0	51	12.2	500	2545	85R	0.00	0.00	0.00	
1	31-Dec	Drilling	20:55	21:06	0.18	2933	3013	80	25	436.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	21:08	21:25	0.28	3013	3108	95	25	335.3	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	21:27	21:47	0.33	3108	3128	20	15	60.0	51	12.2	500	2545	90R	0.00	0.00	0.00	
1	31-Dec	Drilling	21:47	21:59	0.20	3128	3203	75	25	375.0	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	22:01	22:16	0.25	3203	3298	95	25	380.0	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Sliding	22:18	22:30	0.20	3298	3313	15	15	75.0	51	12.2	500	2545	90R	0.00	0.00	0.00	
1	31-Dec	Drilling	22:30	22:47	0.28	3313	3393	80	25	282.4	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	22:50	23:24	0.57	3393	3488	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
1	31-Dec	Drilling	23:30	24:00	0.50	3488	3548	60	25	120.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	00:00	00:08	0.13	3548	3583	35	25	262.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	00:10	00:36	0.43	3583	3608	25	15	57.7	51	12.2	500	2545	120R	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	1-Jan	Drilling	00:36	00:46	0.17	3608	3678	70	25	420.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	00:49	01:00	0.18	3678	3688	10	15	54.5	51	12.2	500	2545	180	0.00	0.00	0.00	
1	1-Jan	Drilling	01:00	01:22	0.37	3688	3774	86	25	234.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	01:24	01:40	0.27	3774	3869	95	25	356.3	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	01:42	02:24	0.70	3869	3964	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	02:26	02:51	0.42	3964	4059	95	25	228.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	02:54	03:24	0.50	4059	4154	95	25	190.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	03:27	04:07	0.67	4154	4249	95	25	142.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:09	04:21	0.20	4249	4345	96	25	480.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:22	04:45	0.38	4345	4440	95	25	247.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	04:47	05:04	0.28	4440	4535	95	25	335.3	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	05:06	05:30	0.40	4535	4630	95	25	237.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	05:32	06:20	0.80	4630	4725	95	25	118.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	06:23	06:56	0.55	4725	4820	95	25	172.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	06:58	07:14	0.27	4820	4850	30	25	112.5	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	07:14	07:34	0.33	4850	4862	12	15	36.0	51	12.2	500	2545	20R	0.00	0.00	0.00	
1	1-Jan	Drilling	07:34	07:46	0.20	4862	4915	53	25	265.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	07:48	08:36	0.80	4915	5010	95	25	118.8	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	08:39	09:24	0.75	5010	5105	95	25	126.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	09:26	10:00	0.57	5105	5200	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	10:05	10:37	0.53	5200	5295	95	25	178.1	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	10:41	11:16	0.58	5295	5390	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	11:20	11:57	0.62	5390	5486	96	25	155.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	12:02	12:44	0.70	5486	5581	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	12:50	13:27	0.62	5581	5596	15	15	24.3	51	12.2	500	2545	130L	0.00	0.00	0.00	
1	1-Jan	Drilling	13:27	13:56	0.48	5596	5646	50	25	103.4	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	13:56	14:34	0.63	5646	5666	20	15	31.6	51	12.2	500	2545	180	0.00	0.00	0.00	
1	1-Jan	Drilling	14:34	14:38	0.07	5666	5676	10	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Drilling	15:15	15:30	0.25	5676	5711	35	25	140.0	51	12.2	500	2545		0.00	0.00	0.00	
1	1-Jan	Sliding	15:31	15:48	0.28	5711	5714	3	15	10.6	51	12.2	500	2545	180	0.00	0.00	0.00	

Total Drilled: 4984 Avg. Total ROP: 188.79

DEPTH% - TIME %

Total Rotary Drilled: 4232 Avg. Rotary ROP: 220.03 Percent Rotary: 84.91 - 72.85

Total Drilled Sliding: 752 Avg. Slide ROP: 104.93 Percent Slide: 15.09 - 27.15

SDI Job #: 20111229
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Land
STATE: CO
COUNTY: Country
WELL NAME: GGU Kaufman 22D-30-691

FIELD: Kaufman # 3
Sec-Twn-Rng:
SD District

MOTOR INFORMATION	
Desc: 6 1/2 Fixed PDM	
Bent Hsg/Sub: 1.8 / 1.8 3 3	Bit to Bend: 6.2
PAD OD: 6 9/16	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	2-Jan	Sliding	03:45	04:15	0.50	5714	5771	57	15	114.0	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	04:17	04:41	0.40	5771	5779	8	25	20.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	04:41	04:57	0.27	5779	5810	31	15	116.3	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	04:57	05:07	0.17	5810	5839	29	25	174.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	05:07	05:22	0.25	5839	5858	19	15	76.0	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	05:22	05:28	0.10	5858	5875	17	25	170.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	05:37	06:10	0.55	5875	5896	21	15	38.2	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	06:10	06:20	0.17	5896	5911	15	25	90.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	06:20	06:55	0.58	5911	5960	49	15	84.0	51	12.2	500	2545	170R	0.00	0.00	0.00	
2	2-Jan	Drilling	06:55	07:04	0.15	5960	5970	10	25	66.7	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	07:08	07:16	0.13	5970	5981	11	25	82.5	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	07:16	07:38	0.37	5981	6010	29	15	79.1	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	07:38	07:46	0.13	6010	6030	20	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	07:46	08:05	0.32	6030	6058	28	15	88.4	51	12.2	500	2545	180	0.00	0.00	0.00	
2	2-Jan	Drilling	08:05	08:17	0.20	6058	6065	7	25	35.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	08:19	08:45	0.43	6065	6128	63	25	145.4	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	08:45	09:22	0.62	6128	6160	32	15	51.9	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Drilling	09:28	09:50	0.37	6160	6225	65	25	177.3	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	09:52	10:44	0.87	6225	6255	30	15	34.6	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Sliding	10:49	11:22	0.55	6255	6280	25	15	45.5	51	12.2	500	2545	210	0.00	0.00	0.00	
2	2-Jan	Drilling	11:22	11:53	0.52	6280	6350	70	25	135.5	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	11:59	12:33	0.57	6350	6445	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	12:39	13:14	0.58	6445	6540	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	13:18	13:53	0.58	6540	6636	96	25	164.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	13:59	14:29	0.50	6636	6731	95	25	190.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	14:33	15:08	0.58	6731	6826	95	25	162.9	51	12.2	500	2545		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	2-Jan	Drilling	15:32	16:08	0.60	6826	6921	95	25	158.3	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	16:14	16:49	0.58	6921	7016	95	25	162.9	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	16:57	17:36	0.65	7016	7036	20	15	30.8	51	12.2	500	2545	327	0.00	0.00	0.00	
2	2-Jan	Drilling	17:36	18:07	0.52	7036	7111	75	25	145.2	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	18:15	18:53	0.63	7111	7206	95	25	150.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	18:59	19:33	0.57	7206	7301	95	25	167.6	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	19:38	20:20	0.70	7301	7396	95	25	135.7	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	20:23	21:02	0.65	7396	7416	20	15	30.8	51	12.2	500	2545	250M	0.00	0.00	0.00	
2	2-Jan	Drilling	21:02	21:51	0.82	7416	7491	75	25	91.8	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Sliding	22:00	22:48	0.80	7491	7521	30	15	37.5	51	12.2	500	2545	300M	0.00	0.00	0.00	
2	2-Jan	Drilling	22:48	23:10	0.37	7521	7587	66	25	180.0	51	12.2	500	2545		0.00	0.00	0.00	
2	2-Jan	Drilling	23:14	24:00	0.77	7587	7682	95	25	123.9	51	12.2	500	2545		0.00	0.00	0.00	
2	3-Jan	Drilling	00:04	00:44	0.67	7682	7777	95	25	142.5	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	00:48	02:24	1.60	7777	7872	95	25	59.4	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	02:26	03:45	1.32	7872	7967	95	25	72.2	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	03:48	04:40	0.87	7967	8062	95	25	109.6	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	04:43	05:27	0.73	8062	8157	95	25	129.5	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	05:30	06:09	0.65	8157	8252	95	25	146.2	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	06:12	07:12	1.00	8252	8347	95	25	95.0	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	07:14	08:27	1.22	8347	8442	95	25	78.1	51	12.2	500	2750		0.00	0.00	0.00	
2	3-Jan	Drilling	08:30	08:44	0.23	8442	8485	43	25	184.3	51	12.2	500	2750		0.00	0.00	0.00	

Total Drilled: 2771 Avg. Total ROP: 105.03

DEPTH% - TIME %

Total Rotary Drilled: 2380 Avg. Rotary ROP: 122.58 Percent Rotary: 85.89 - 73.59

Total Drilled Sliding: 391 Avg. Slide ROP: 56.12 Percent Slide: 14.11 - 26.41

SDI Job #:	20111229
COMPANY:	Bill Barrett
LOCATION:	Silt
RIG NAME:	Land
STATE:	CO
COUNTY:	USA
WELL NAME:	GGU Kaufman 22D-30-691

FIELD:	Kaufman # 3
Sec-Twin-Ring	
AFE# & District	

Tool Utilization Report

Bits

11868379 - FXD 56M 8 3/4" 5 Blade:5x16jets:.982

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
1	18.68	7.17	27.60	27.70	36.77	4,984.00

<< Summary for 11868379

11880492 - FX65M

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
2	19.42	6.97	28.62	28.68	50.07	2,771.00
1	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for 11880492

<< Summary for Bits

Motors

6158 - 6.5 PDM / 1.83 Fixed ako

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for 6158

<< Summary for Motors

Muleshoes

65-111 - 6.5 UBHO (IS)

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for 65-111

<< Summary for Muleshoes

MWD

Tool Utilization Report

G-675-002XHSW - 6.5 Gap Sub (IS)

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for G-675-002XHSW

SD33533 - 6.5 NMDC # 2

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for SD33533

SD40645 - 6.5 NMDC # 1

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	19.42	6.97	28.62	28.68	50.07	2,771.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00
6	114.30	42.40	168.65	169.15	260.50	23,265.00

<< Summary for SD40645

<< Summary for MWD

Other

Patt313 - 21 jnts 4.5 SP HWDP

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
2	19.42	6.97	28.62	28.68	50.07	2,771.00
1	19.42	6.97	28.62	28.68	50.07	2,771.00

<< Summary for Patt313

RIG - 30 jnts 4.5 SP HWDP

BHA #	Rotary Hours	Slide Hours	Total Hours	Circ. Hours	Below Rotary	Amount Drilled
1	18.68	7.17	27.60	27.70	36.77	4,984.00
1	18.68	7.17	27.60	27.70	36.77	4,984.00
2	38.10	14.13	56.22	56.38	86.83	7,755.00

<< Summary for RIG

<< Summary for Other

SDI Job #:		FIELD:	
COMPANY:		Sec-1wn-Ring	
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

Oil Company Representative: _____ Date: _____

Directional Company Reprmentative: _____ Date: _____

BHA # 1

Rotary Steerable Report

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

SD District

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody South

COUNTY: Garfield

WELL NAME: GGU Kaufman 22D-30-691 RS Failed?: NO Motor Used?: NO

Time and Depths (This BHA)	Rotary Steerable Data	Drilling Parameters
Date In: 31-Dec-11 @ 09:10	Desc:	SO/PU: 0 - 80 / 0-105
Date Out: 01-Jan-12 @ 21:56	MFG.:	Rot Wt: 0-95
Hrs In Hole: 36.77	BHA Circ/ All BHA:	WOB: 15 - 25
Start Depth: 730.00	Rotary SN:	TORQ: 7.2 - 12.2
End Depth: 5714.00	RS Pad OD:	SPP: 1650 - 2545
Total Drilled: 4984.00	RS Stab OD:	Motor RPM:
Avg. Total ROP: 188.79	Blades Count/Type /	Rotary RPM: 51 - 51
Circ Hrs:Tot/Only 28.65 / 2.25	Blade Style:	Flow Rate: 500 - 500
Percent Slide: 15.09	RS Guage Length	Avg Diff: 425
Percent Hrs: 27.15	Hardfacing:	Stall Pres.:
Slide Hours: 7.17	Bit to RS Stab:	Off Bot Pres.:
Total Sliding: 752.00	RS Stab to Top:	Bit Record SEC. / FXD 56M 8 3/4" 5 Run #: 1 Type Bit: PDC IADC#: 423 TFA: 0.981 JETS: 5-16 Bit Drop: 234 PSI @ 500 GPM Cond.:
Avg. Slide ROP: 104.93	Blade Collapse:	
Percent Rotary: 84.91	Wake Up/RPM/Drill:	
Percent Hrs: 72.85	Battery Usage:	
Rot / Total Hrs: 19.23 / 26.40	Prop BUR:	
Rotary Drilled: 4232.00	Act BUR:	
Avg. Rotary ROP: 220.03		
Reason POOH:		

Mud Data

Type LSND WT: 9.8 Vis: 59 WL: 10.4 PV: 11 Flow T °: 68
SAND: 0.1 Chlor: 500 **GAS:** 0 **SOL:** 9 Oil %: 0 YP: 9 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

Downsize bit to 7 7/8

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 2

Rotary Steerable Report

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

SD District

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody Smith

COUNTY: Garfield

WELL NAME: GGU Kaufman 22D-30-691 RS Failed?: NO Motor Used?: NO

Time and Depths (This BHA)		Rotary Steerable Data		Drilling Parameters	
Date In:	01-Jan-12 @ 21:56	Desc:		SO/PU:	80 - 115 / 105-180
Date Out:	03-Jan-12 @ 24:00	MFG.:		Rot Wt:	95-140
Hrs In Hole:	43.07	BHA Circ/ All BHA:		WOB:	15 - 25
Start Depth:	5714.00	Rotary SN:		TORQ:	12.2 - 12.2
End Depth:	8485.00	RS Pad OD:		SPP:	2545 - 2750
Total Drilled:	2771.00	RS Stab OD:		Motor RPM:	
Avg. Total ROP:	105.03	Blades Count/Type	/	Rotary RPM:	51 - 51
Circ Hrs:Tot/Only	29.05 / 2.67	Blade Style:		Flow Rate:	500 - 500
Percent Slide:	14.11	RS Guage Length		Avg Diff:	425
Percent Hrs:	26.41	Hardfacing:		Stall Pres.:	
Slide Hours:	6.97	Bit to RS Stab:		Off Bot Pres.:	
Total Sliding:	391.00	RS Stab to Top:		Bit Record	
Avg. Slide ROP:	56.12	Blade Collapse:		SEC. / FX65M	
Percent Rotary:	85.89	Wake Up/RPM/Drill:		Run #:	2
Percent Hrs:	73.59	Battery Usage:		Type Bit:	PDC
Rot / Total Hrs:	19.42 / 26.38	Prop BUR:		IADC#:	TFA: 1.178
Rotary Drilled:	2380.00	Act BUR:		JETS:	6-16
Avg. Rotary ROP:	122.58			Bit Drop:	163 PSI @ 500 GPM
Reason POOH:				Cond.:	

Mud Data

Type LSND WT: 9.8 Vis: 59 WL: 10.4 PV: 11 Flow T °: 68
SAND: 0.1 Chlor: 500 **GAS:** 0 **SOL:** 9 Oil %: 0 YP: 9 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

TD well @ 8485' MD

ROTARY STEERABLE PERFORMANCE:

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 1

Mud Motor Report

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

SD District

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody South

COUNTY: Garfield

WELL NAME: GGU Kaufman 22D-30-691 Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 31-Dec-11 @ 09:10	Desc: 6 1/2 Fixed PDM	SO/PU: 0 - 80 / 0-105
Date Out: 01-Jan-12 @ 21:56	MFG.: Hunting	Rot Wt: 0-95
Hrs In Hole: 36.77	BHA Circ/ All BHA: 28.65 / 56.38	WOB: 15 - 25
Start Depth: 730.00	Motor SN: 6158	TORQ: 7.2 - 12.2
End Depth: 5714.00	PAD OD: 6 9/16	SPP: 1650 - 2545
Total Drilled: 4984.00	NB Stab: 0	Motor RPM: 80
Avg. Total ROP: 188.79	Bit to Bend: 6.2	Rotary RPM: 51 - 51
Circ Hrs:Tot/Only 28.65 / 2.25	Bent Hsg / Sub: 1.83 / 1.83 °	Flow Rate: 500 - 500
Percent Slide: 15.09	Lobe/Stage: 7/8 / 3.3	Avg Diff: 425
Percent Hrs: 27.15	Rev/GAL: 0.16	Stall Pres.:
Slide Hours: 7.17	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 752.00	Prop BUR:	Bit Record
Avg. Slide ROP: 104.93	Act BUR:	SEC. / FXD 56M 8 3/4" 5
Percent Rotary: 84.91	Stator Clearance:	Run #: 1
Percent Hrs: 72.85	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 19.23 / 26.40	Upper Stab OD:	IADC#: 423 TFA: 0.981
Rotary Drilled: 4232.00	Extended Motor? NO	JETS: 5-16
Avg. Rotary ROP: 220.03	Number of Stalls:	Bit Drop: 234 PSI @ 500 GPM
Reason POOH:	Stall Duration:	Cond.:

Mud Data

Type LSND WT: 9.8 Vis: 59 WL: 10.4 PV: 11 Flow T °: 68
SAND: 0.1 Chlor: 500 **GAS:** 0 **SOL:** 9 Oil %: 0 YP: 9 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

Downsize bit to 7 7/8

BHA PERFORMANCE:

Overall good performance

ADDITIONAL COMMENTS: (Expands to next page if necessary)

BHA # 2

Mud Motor Report

SDI Job #: 20111229

FIELD: Kaufman # 3

COMPANY: Bill Barrett

Sec-Twn-Rng:

LOCATION: Silt

SD District

RIG NAME: Land

Lead DD: Tim Perkins

STATE: CO

Co. Man: Jody Smith

COUNTY: Garfield

WELL NAME: GGU Kaufman 22D-30-691 Motor Failed?: NO

Time and Depths (This BHA)	Motor Data	Drilling Parameters
Date In: 01-Jan-12 @ 21:56	Desc: 6 1/2 Fixed PDM	SO/PU: 80 - 115 / 105-180
Date Out: 03-Jan-12 @ 24:00	MFG.: Hunting	Rot Wt: 95-140
Hrs In Hole: 43.07	BHA Circ/ All BHA: 29.05 / 56.38	WOB: 15 - 25
Start Depth: 5714.00	Motor SN: 6158	TORQ: 12.2 - 12.2
End Depth: 8485.00	PAD OD: 6 9/16	SPP: 2545 - 2750
Total Drilled: 2771.00	NB Stab: 0	Motor RPM: 80
Avg. Total ROP: 105.03	Bit to Bend: 6.2	Rotary RPM: 51 - 51
Circ Hrs:Tot/Only 29.05 / 2.67	Bent Hsg / Sub: 1.83 / 1.83 °	Flow Rate: 500 - 500
Percent Slide: 14.11	Lobe/Stage: 7/8 / 3.3	Avg Diff: 425
Percent Hrs: 26.41	Rev/GAL: 0.16	Stall Pres.:
Slide Hours: 6.97	Rotor Jet: 0	Off Bot Pres.:
Total Sliding: 391.00	Prop BUR:	Bit Record
Avg. Slide ROP: 56.12	Act BUR:	SEC. / FX65M
Percent Rotary: 85.89	Stator Clearance:	Run #: 2
Percent Hrs: 73.59	Lower Stab OD:	Type Bit: PDC
Rot / Total Hrs: 19.42 / 26.38	Upper Stab OD:	IADC#: TFA: 1.178
Rotary Drilled: 2380.00	Extended Motor? NO	JETS: 6-16
Avg. Rotary ROP: 122.58	Number of Stalls:	Bit Drop: 163 PSI @ 500 GPM
Reason POOH:	Stall Duration:	Cond.:

Mud Data

Type LSND WT: 9.8 Vis: 59 WL: 10.4 PV: 11 Flow T °: 68
SAND: 0.1 Chlor: 500 **GAS:** 0 **SOL:** 9 Oil %: 0 YP: 9 PH: 9.8 Bottom Hole T °: 0

Formation:

EXPANDED REASON PULLED:

TD well @ 8485' MD

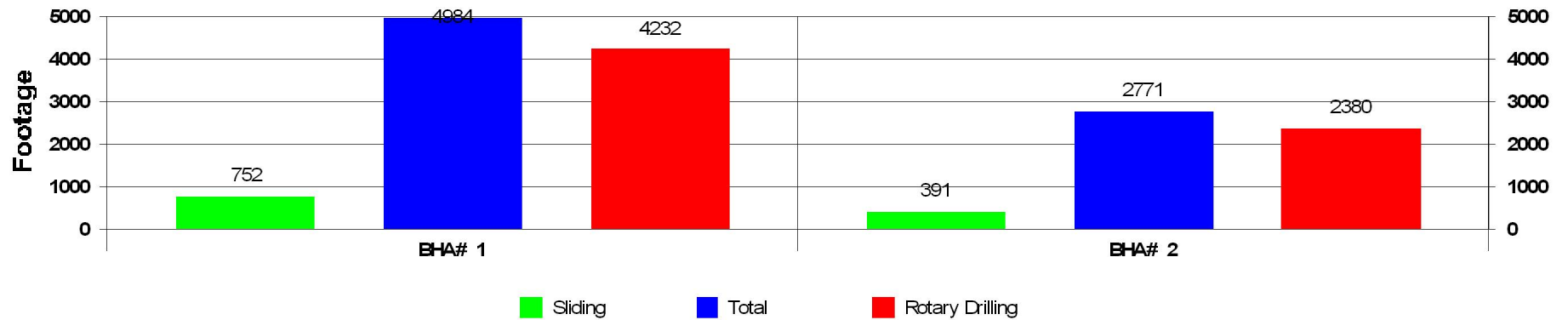
BHA PERFORMANCE:

Overall good performance

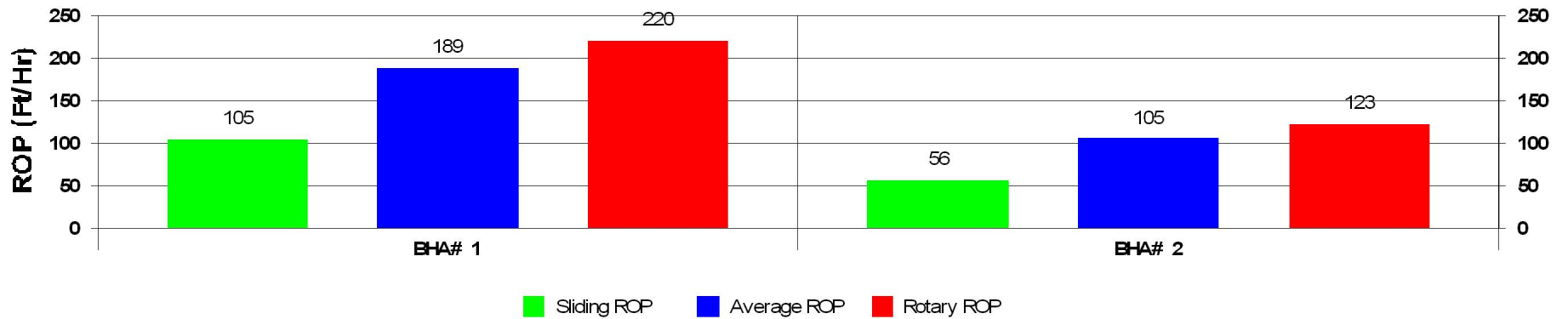
ADDITIONAL COMMENTS: (Expands to next page if necessary)

SDI Job #:	20111229	FIELD:	Kaufman # 3	
COMPANY:	Bill Barrett	Sec-Twn-Rng:		
LOCATION:	Silt	AFE# & District		
RIG NAME:	Land	COMMENT		
STATE:	CO			
COUNTY:	Garfield			
WELL NAME:	GGU Kaufman 22D-30-691			

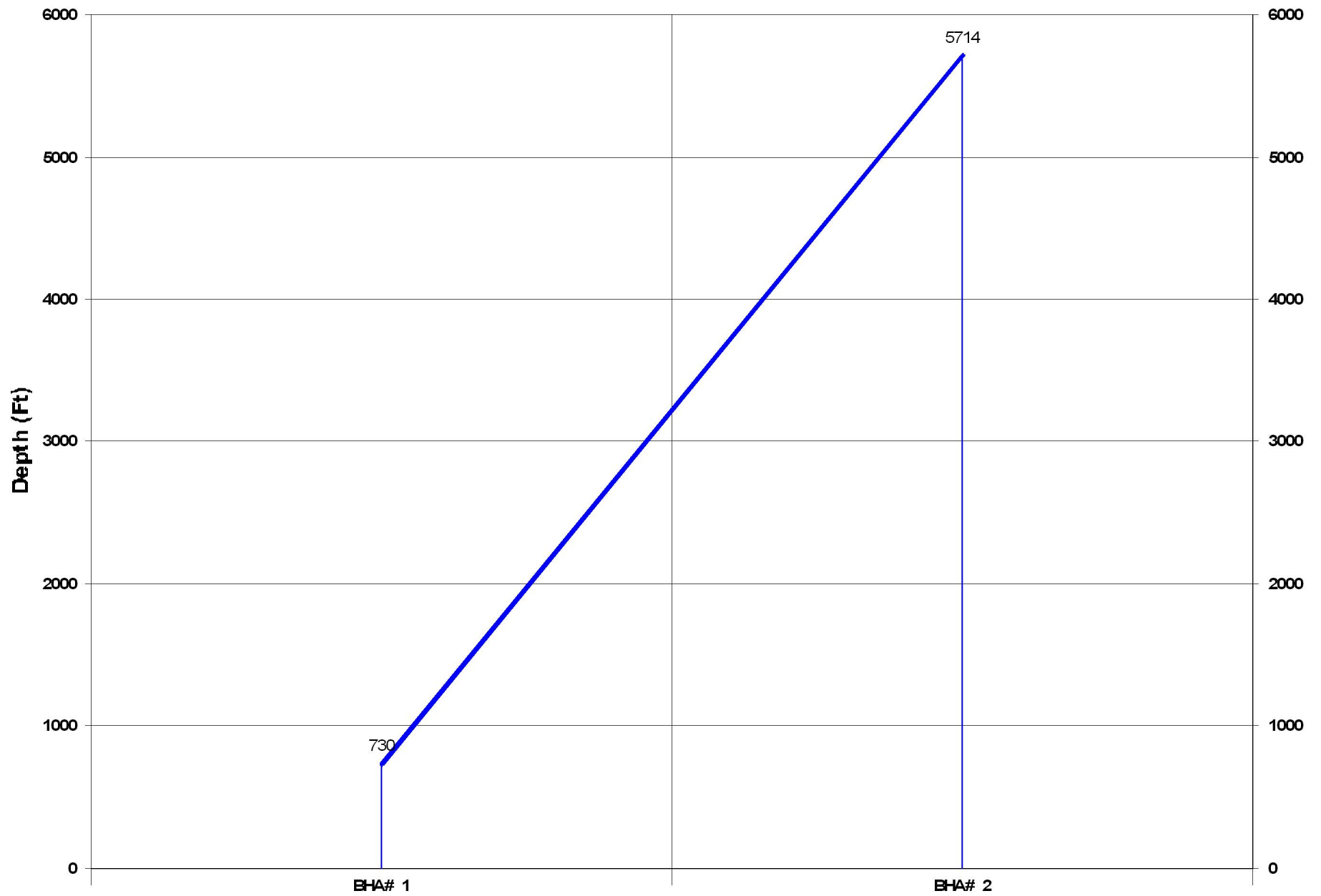
Footage Drilled with BHA



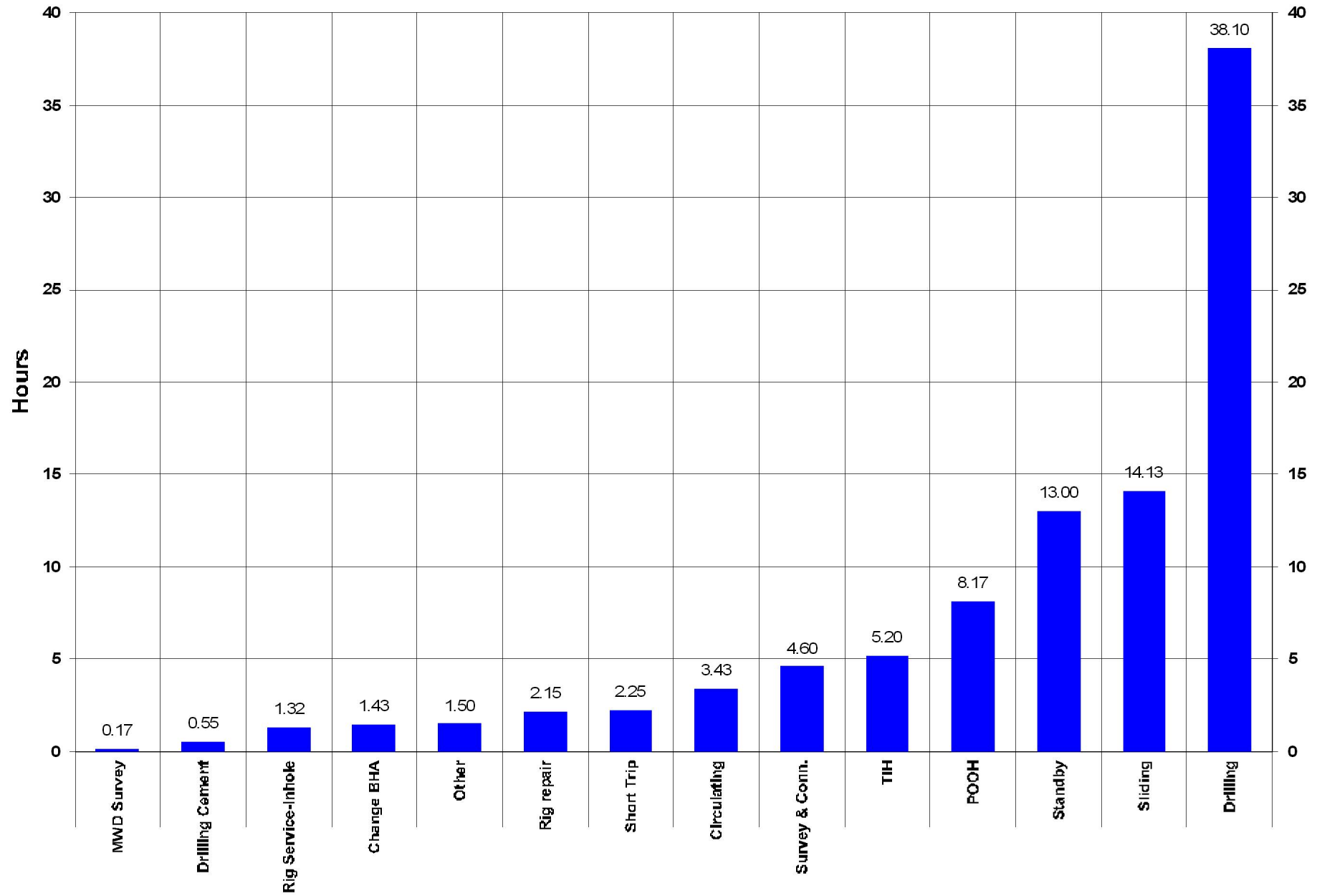
ROP vs BHA



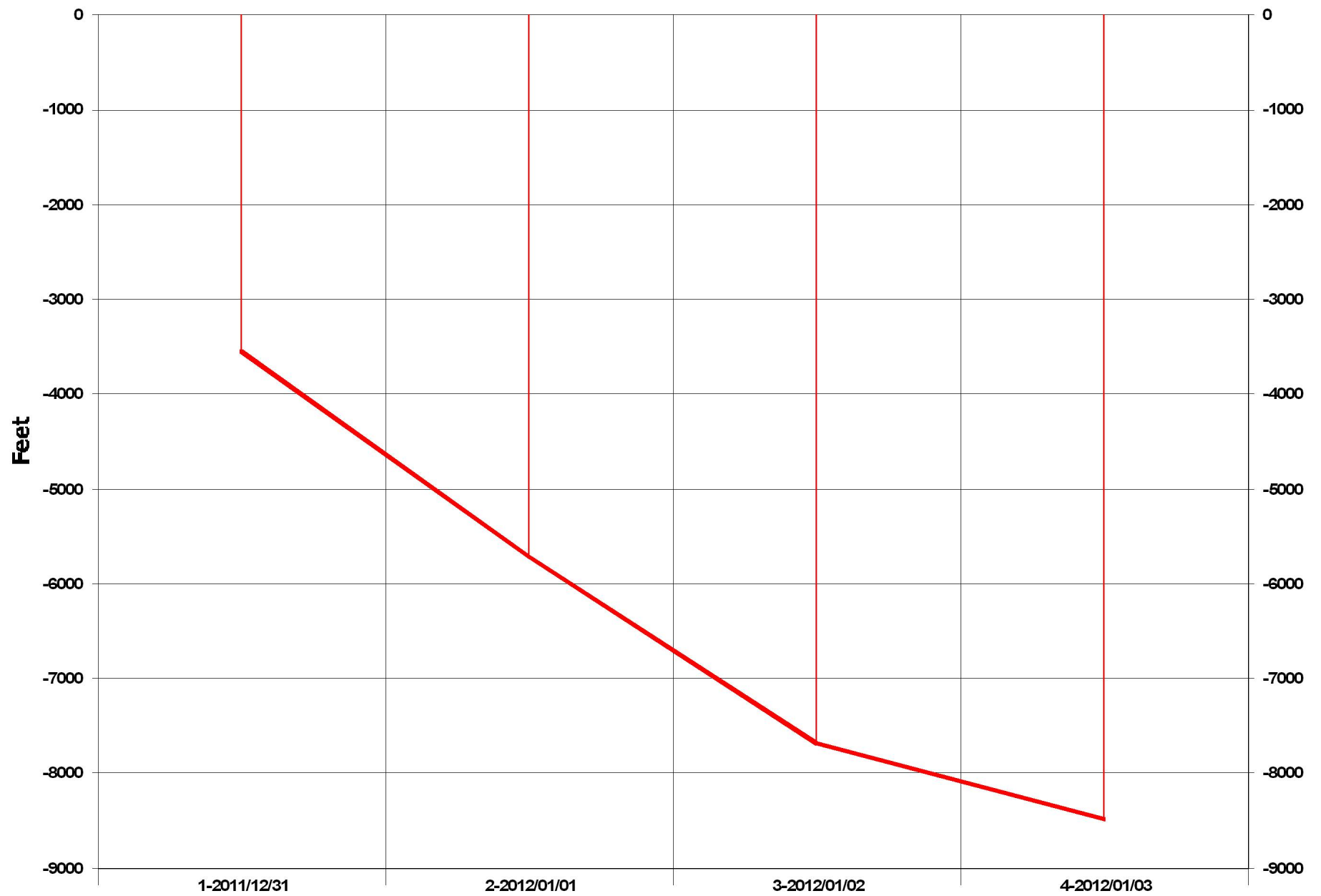
Depth vs BHA



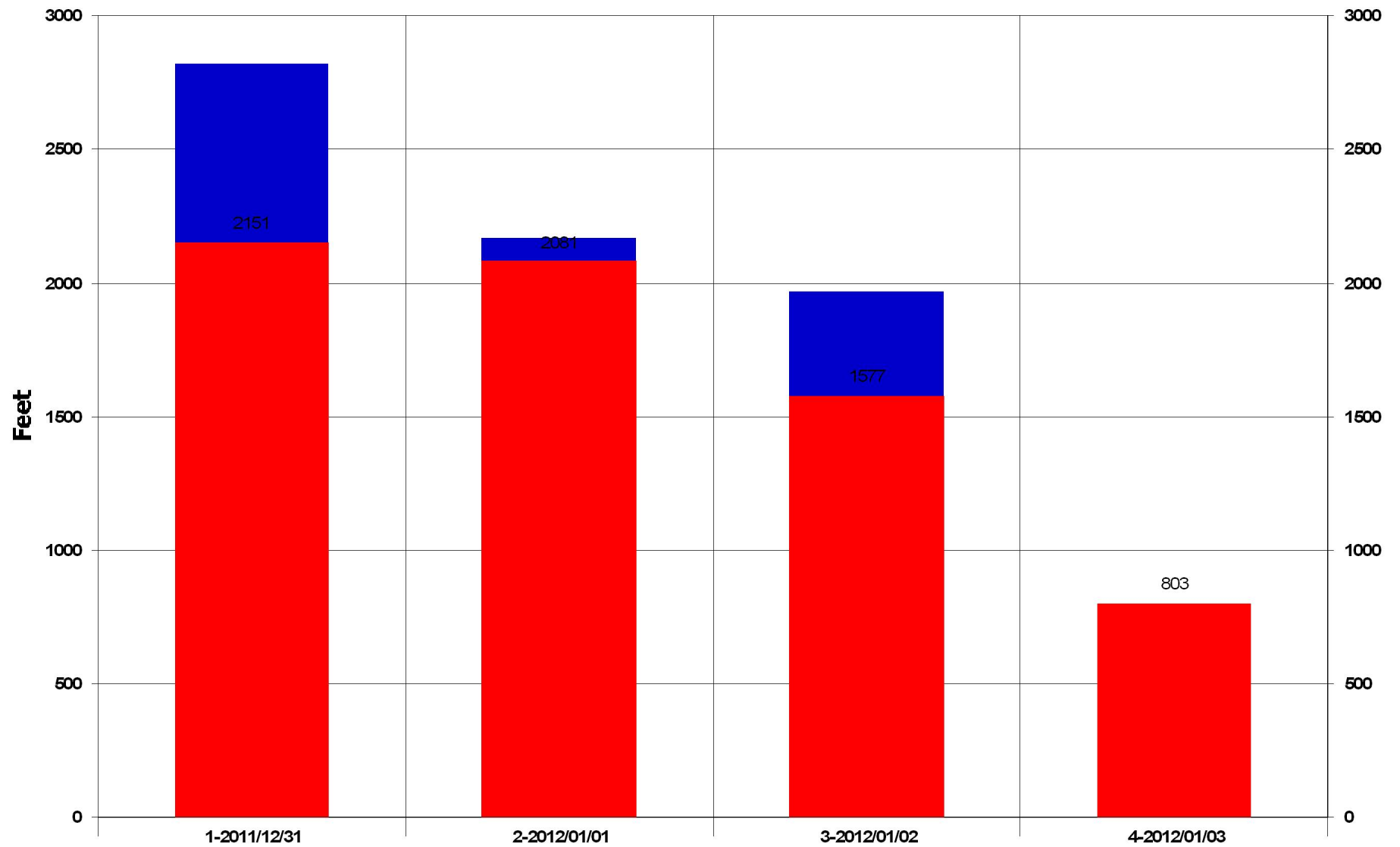
Activity Histogram



Measured Depth vs Days

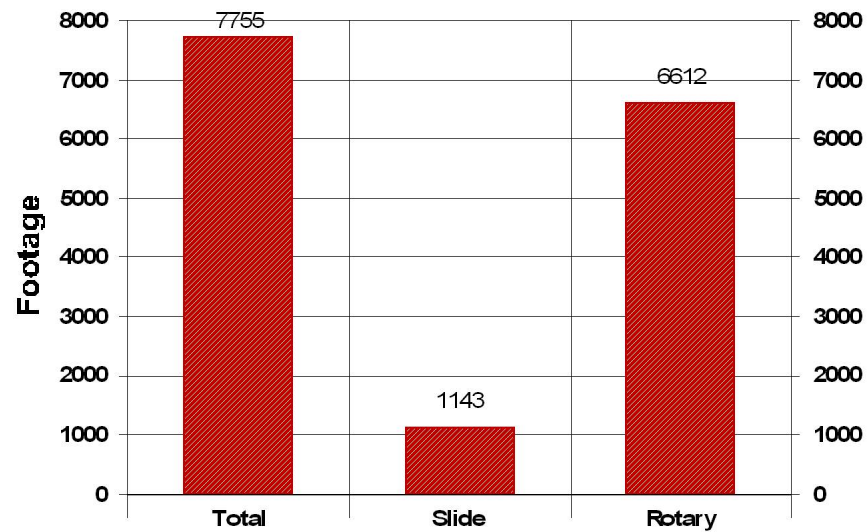


Daily Footage

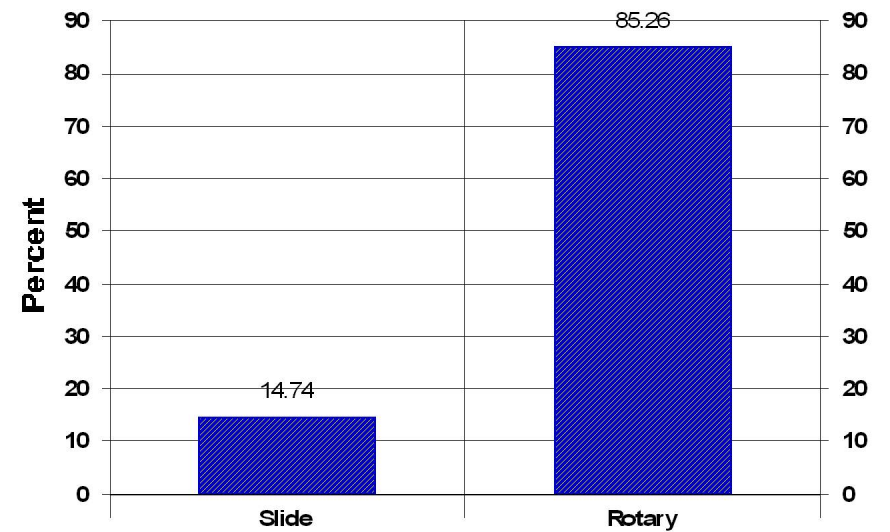


Rotary Drilling Sliding

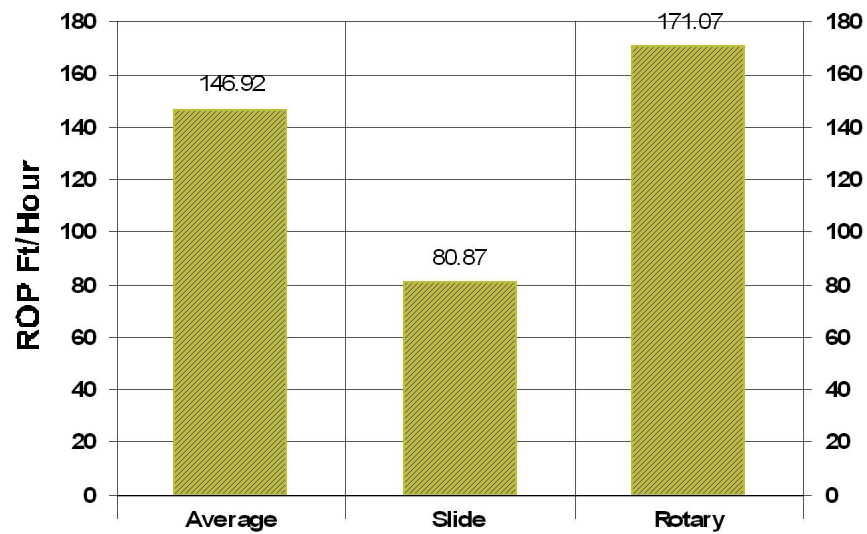
Footage Drilled Totals



Footage Percent



Rate of Penetration Totals



Time Percent

