



Well Name and Number:

Miller 33C-6-791

Patterson 313
Garfield County, Colorado

Directional Services Provided By:

Sharewell Energy Services, LP





January 21, 2011

Troy Schindler
VP Drilling

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

Well Reference: **Miller 33C-6-791**
 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,

Stephen Williams



Well Planning / Operations
swilliams@sharewell.com
(713) 983-9818 - Office
(713) 851-4175 - Cell



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

Miller 10 Pad

Miller 33C-6-791

Wellbore #1

Survey: Surveys

Standard Survey Report

21 January, 2011

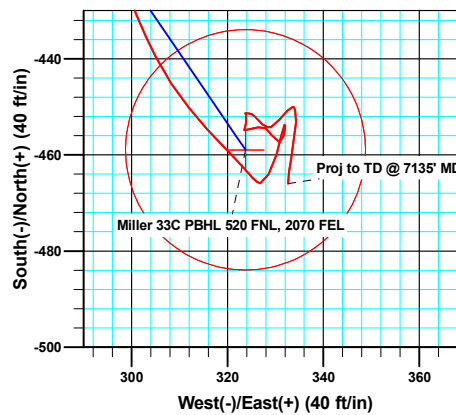
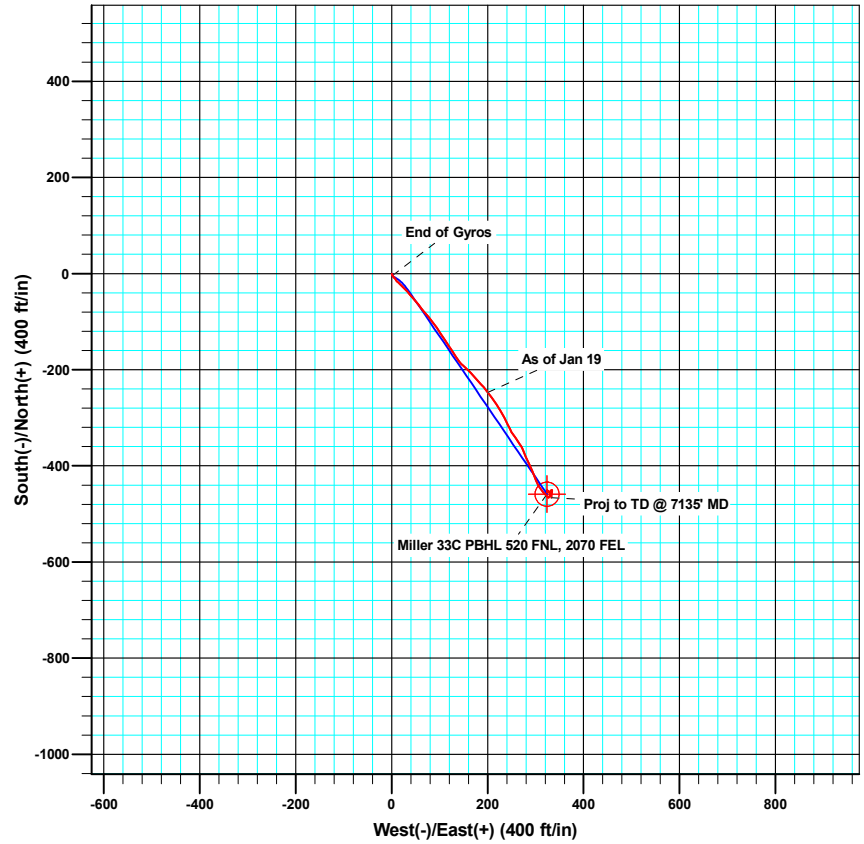
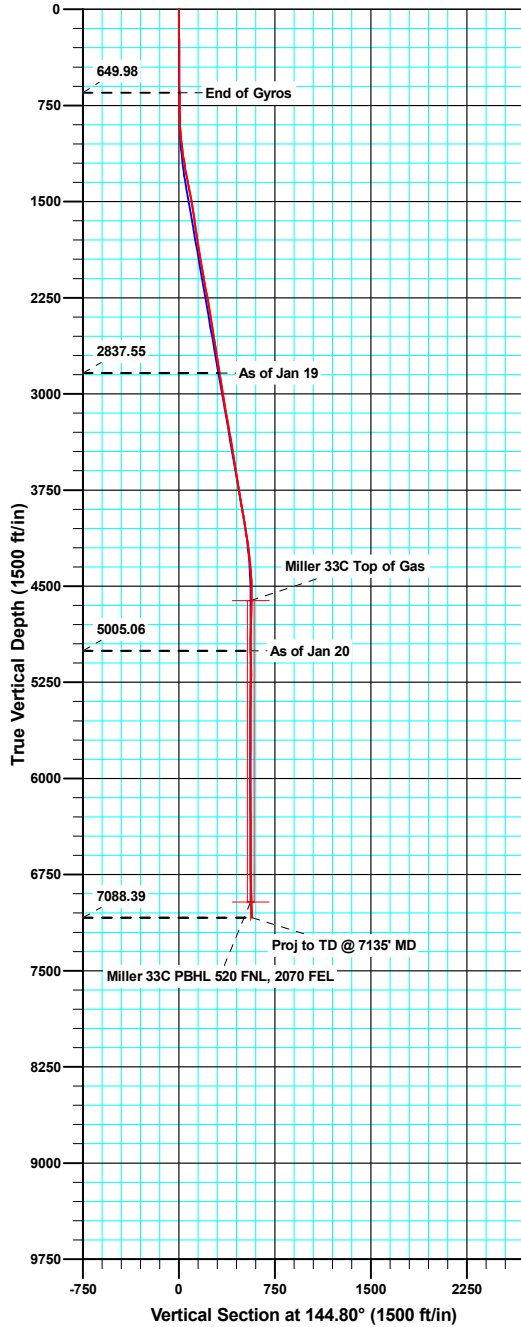




WELL DETAILS: Miller 33C-6791

Ground Level: 6263.00

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1605356.60 2408713.84 39° 28' 36.34 N 107° 35' 41.58 W



Azimuths to True North
 Magnetic North: 10.26°

Magnetic Field
 Strength: 52408.2snT
 Dip Angle: 65.83°
 Date: 07/28/2010
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
2837.55	2863.00	8.700	144.00	-246.98	200.29	317.27	314.63	As of Jan 19
5005.06	5051.00	0.500	199.60	-453.95	332.02	562.33	584.40	As of Jan 20
7088.39	7135.00	3.200	185.40	-465.97	332.63	572.51	633.76	Proj to TD @ 7135' MD



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Miller 33C-6-791
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6285.00ft
Site:	Miller 10 Pad	MD Reference:	KB @ 6285.00ft
Well:	Miller 33C-6-791	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

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

Site	Miller 10 Pad				
Site Position:		Northing:	1,605,362.13 usft	Latitude:	39° 28' 36.39 N
From:	Lat/Long	Easting:	2,408,695.61 usft	Longitude:	107° 35' 41.81 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.32 °

Well	Miller 33C-6-791					
Well Position	+N/-S	0.00 ft	Northing:	1,605,356.60 usft	Latitude:	39° 28' 36.34 N
	+E/-W	0.00 ft	Easting:	2,408,713.84 usft	Longitude:	107° 35' 41.58 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,263.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	07/28/10	10.26	65.83	52,408

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	144.80	

Survey Program	Date	01/21/11			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	650.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
778.00	7,135.00	Surveys (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)	
650.00	0.470	137.54	649.98	-4.52	1.60	4.62	0.00	0.00	0.00	
778.00	0.000	220.80	777.98	-4.91	1.95	5.14	0.37	-0.37	0.00	
869.00	2.700	138.80	868.94	-6.52	3.37	7.27	2.97	2.97	0.00	
961.00	4.800	144.20	960.74	-11.27	7.04	13.27	2.31	2.28	5.87	
1,056.00	6.600	135.00	1,055.27	-18.36	13.23	22.63	2.12	1.89	-9.68	
1,150.00	8.100	131.90	1,148.49	-26.60	21.98	34.41	1.65	1.60	-3.30	
1,246.00	10.200	138.20	1,243.27	-37.46	32.68	49.45	2.42	2.19	6.56	
1,341.00	11.300	139.90	1,336.60	-50.85	44.28	67.08	1.20	1.16	1.79	
1,436.00	11.200	142.60	1,429.78	-65.30	55.88	85.57	0.56	-0.11	2.84	
1,531.00	9.900	138.80	1,523.17	-78.77	66.87	102.91	1.55	-1.37	-4.00	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Miller 33C-6-791
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6285.00ft
Site:	Miller 10 Pad	MD Reference:	KB @ 6285.00ft
Well:	Miller 33C-6-791	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)
1,626.00	8.400	139.10	1,616.96	-90.16	76.79	117.94	1.58	-1.58	0.32
1,721.00	8.600	141.70	1,710.92	-100.98	85.73	131.94	0.46	0.21	2.74
1,816.00	9.000	146.90	1,804.80	-112.78	94.19	146.45	0.94	0.42	5.47
1,912.00	9.200	149.40	1,899.59	-125.67	102.20	161.61	0.46	0.21	2.60
2,007.00	9.200	143.40	1,993.37	-138.31	110.60	176.77	1.01	0.00	-6.32
2,102.00	9.700	146.70	2,087.08	-151.10	119.52	192.36	0.78	0.53	3.47
2,197.00	10.900	147.70	2,180.55	-165.38	128.71	209.33	1.28	1.26	1.05
2,292.00	10.000	144.00	2,273.97	-179.64	138.36	226.55	1.18	-0.95	-3.89
2,387.00	9.000	132.70	2,367.68	-191.36	148.67	242.06	2.22	-1.05	-11.89
2,482.00	9.000	132.50	2,461.51	-201.42	159.61	256.59	0.03	0.00	-0.21
2,577.00	9.500	138.10	2,555.27	-212.27	170.32	271.64	1.08	0.53	5.89
2,672.00	10.200	138.90	2,648.87	-224.44	181.09	287.79	0.75	0.74	0.84
2,768.00	8.400	137.70	2,743.61	-236.04	191.40	303.20	1.89	-1.88	-1.25
2,863.00	8.700	144.00	2,837.55	-246.98	200.29	317.27	1.03	0.32	6.63
2,958.00	9.300	141.70	2,931.38	-258.82	209.27	332.12	0.74	0.63	-2.42
3,053.00	9.800	146.60	3,025.07	-271.59	218.48	347.87	1.00	0.53	5.16
3,148.00	9.700	151.50	3,118.70	-285.38	226.75	363.90	0.88	-0.11	5.16
3,243.00	10.300	151.20	3,212.26	-299.85	234.66	380.29	0.63	0.63	-0.32
3,338.00	10.500	156.00	3,305.70	-315.20	242.27	397.22	0.94	0.21	5.05
3,433.00	9.100	149.10	3,399.31	-329.56	249.65	413.20	1.92	-1.47	-7.26
3,528.00	9.100	144.40	3,493.12	-342.11	257.88	428.21	0.78	0.00	-4.95
3,624.00	9.800	144.70	3,587.81	-354.95	267.02	443.97	0.73	0.73	0.31
3,719.00	8.600	160.40	3,681.60	-368.25	274.08	458.90	2.92	-1.26	16.53
3,814.00	9.000	154.30	3,775.49	-381.63	279.68	473.07	1.07	0.42	-6.42
3,909.00	9.700	154.90	3,869.23	-395.58	286.30	488.28	0.74	0.74	0.63
4,004.00	10.000	155.80	3,962.82	-410.35	293.08	504.25	0.35	0.32	0.95
4,099.00	10.000	161.00	4,056.38	-425.67	299.14	520.27	0.95	0.00	5.47
4,194.00	8.300	152.10	4,150.18	-439.53	305.04	535.00	2.32	-1.79	-9.37
4,289.00	7.300	140.90	4,244.30	-450.28	312.06	547.82	1.91	-1.05	-11.79
4,385.00	5.600	135.00	4,339.69	-458.32	319.21	558.52	1.90	-1.77	-6.15
4,480.00	3.200	139.30	4,434.40	-463.61	324.22	565.73	2.55	-2.53	4.53
4,575.00	1.100	108.30	4,529.33	-465.91	326.82	569.10	2.45	-2.21	-32.63
4,670.00	2.800	22.90	4,624.29	-464.06	328.59	568.61	3.08	1.79	-89.89
4,765.00	2.600	19.70	4,719.18	-459.89	330.22	566.14	0.26	-0.21	-3.37
4,860.00	2.400	9.70	4,814.09	-455.90	331.28	563.50	0.50	-0.21	-10.53
4,955.00	0.400	54.80	4,909.06	-453.75	331.88	562.09	2.25	-2.11	47.47
5,051.00	0.500	199.60	5,005.06	-453.95	332.02	562.33	0.89	0.10	150.83
5,146.00	1.900	183.20	5,100.04	-455.91	331.79	563.80	1.50	1.47	-17.26
5,241.00	1.100	280.70	5,195.02	-457.32	330.81	564.38	2.44	-0.84	102.63
5,336.00	1.700	332.00	5,289.99	-455.90	329.25	562.33	1.40	0.63	54.00
5,431.00	0.800	291.00	5,384.97	-454.42	327.97	560.38	1.28	-0.95	-43.16
5,526.00	1.100	268.00	5,479.96	-454.22	326.44	559.33	0.50	0.32	-24.21
5,621.00	1.600	249.90	5,574.93	-454.70	324.28	558.48	0.69	0.53	-19.05

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Project:	Garfield County, Colorado	TVD Reference:	KB @ 6285.00ft
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Well:	Miller 33C-6-791	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)	
5,716.00	0.700	52.90	5,669.92	-454.81	323.50	558.12	2.40	-0.95	171.58	
5,811.00	1.500	358.40	5,764.90	-453.22	323.92	557.06	1.30	0.84	-57.37	
5,906.00	0.400	11.70	5,859.89	-451.65	323.96	555.80	1.17	-1.16	14.00	
6,001.00	0.400	268.20	5,954.89	-451.33	323.69	555.39	0.66	0.00	-108.95	
6,097.00	1.100	87.50	6,050.88	-451.30	324.28	555.71	1.56	0.73	186.77	
6,192.00	1.300	142.10	6,145.87	-452.11	325.85	557.27	1.17	0.21	57.47	
6,287.00	1.300	130.40	6,240.84	-453.66	327.33	559.39	0.28	0.00	-12.32	
6,382.00	1.100	81.90	6,335.82	-454.23	329.06	560.85	1.06	-0.21	-51.05	
6,477.00	2.100	31.80	6,430.79	-452.63	330.88	560.59	1.72	1.05	-52.74	
6,572.00	1.100	59.40	6,525.75	-450.68	332.58	559.98	1.30	-1.05	29.05	
6,667.00	0.400	47.90	6,620.74	-450.00	333.61	560.02	0.75	-0.74	-12.11	
6,762.00	1.200	166.90	6,715.74	-450.74	334.08	560.90	1.51	0.84	125.26	
6,857.00	1.700	178.30	6,810.71	-453.12	334.35	562.99	0.61	0.53	12.00	
7,047.00	3.200	192.90	7,000.53	-461.11	333.25	568.89	0.85	0.79	7.68	
7,090.00	3.200	185.40	7,043.46	-463.47	332.87	570.60	0.97	0.00	-17.44	
7,135.00	3.200	185.40	7,088.39	-465.97	332.63	572.51	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
2,863.00	2,837.55	-246.98	200.29	As of Jan 19	
5,051.00	5,005.06	-453.95	332.02	As of Jan 20	
7,135.00	7,088.39	-465.97	332.63	Proj to TD @ 7135' MD	

Checked By: _____ Approved By: _____ Date: _____



SDI Job #:	20110115	Report Time:	2400	1 of 4
COMPANY:	Bill Barrett	API JOB #		
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 313	FIELD:	Miller 10 Pad	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Miller Federal 33C-6-791			

From Tuesday, January 18, 2011 at 0000 to Tuesday, January 18, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters						
Start Depth	701.00	Rotary Hours	4.83	WOB	25	Pick UP	0	Slack Off	0	SPM
End Depth	2052.00	Circulating Hours	0.30	RAB	0	SPP	1725	FlowRate	0 - 502	120
Total Drilled:	1351.00	Avg. Total ROP:	215.01	Mud Data						
Total Rotary Drilled:	1209.00	Avg. Rotary ROP:	250.14	Type		PV	0	SOLID	0	
Total Drilled Sliding:	142.00	Avg. Slide ROP:	97.93	Weight	0	GAS	0	YP	0	BHT°
Slide Hours:	1.45	Percent Rotary:	89.49	Viscosity	0	SAND	0	PH	0	Flow T°
Below Rotary Hrs.	9.50	Percent Slide:	10.51	Chlorides	0	WL	0	Oil %	0	
PERSONNEL				Casing			BHA			
Lead Directional :	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 1:Q504FX 4x16, 6 1/2in motor, 6 1/8in UBHO, 6 1/2in Monel, 6 1/2in Gap Sub, 6 1/2in Monel, 30jnts 4 1/2in HWDP,			
Second Directional :	Ricky Harris			Signature:						
MWD Operator1	Tim Perkins									
MWD Operator2										
Directional Company:	Sharewell									
Geologist:										
Company Man:	Robert Schultz									
Incl. In:	0.47	Azm. In:	137.54	Incl. Out:	9.2	Azm. Out:	143.4			

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jan-11	14:30	15:45	1.25	701	701	Change BHA	P/U BHA/MWD
18-Jan-11	15:45	16:12	0.45	701	701	TIH	TIH
18-Jan-11	16:12	16:30	0.30	701	701	Circulating	Circulating
18-Jan-11	16:30	17:04	0.57	701	745	Drilling Cement	Drill out cement
18-Jan-11	17:04	17:28	0.40	745	823	Drilling	Drilling
18-Jan-11	17:28	17:33	0.08	823	823	Survey & Conn.	Survey & Conn.
18-Jan-11	17:33	17:47	0.23	823	845	Sliding	Sliding
18-Jan-11	17:47	18:02	0.25	845	914	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	18:02	18:15	0.22	914	914	Survey & Conn.	Survey & Conn.
18-Jan-11	18:15	18:24	0.15	914	931	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	18:24	18:39	0.25	931	1006	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	18:39	18:44	0.08	1006	1006	Survey & Conn.	Survey & Conn.
18-Jan-11	18:44	18:54	0.17	1006	1023	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	18:54	19:09	0.25	1023	1101	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	19:09	19:14	0.08	1101	1101	Survey & Conn.	Survey & Conn.
18-Jan-11	19:14	19:27	0.22	1101	1116	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	19:27	19:43	0.27	1116	1195	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
18-Jan-11	19:43	19:48	0.08	1195	1195	Survey & Conn.	Survey & Conn.
18-Jan-11	19:48	20:00	0.20	1195	1212	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	20:00	20:17	0.28	1212	1291	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	20:17	20:22	0.08	1291	1291	Survey & Conn.	Survey & Conn.
18-Jan-11	20:22	20:40	0.30	1291	1386	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	20:40	20:45	0.08	1386	1386	Survey & Conn.	Survey & Conn.
18-Jan-11	20:45	21:07	0.37	1386	1481	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	21:07	21:12	0.08	1481	1481	Survey & Conn.	Survey & Conn.
18-Jan-11	21:12	21:23	0.18	1481	1501	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	21:23	21:40	0.28	1501	1576	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	21:40	21:45	0.08	1576	1576	Survey & Conn.	Survey & Conn.
18-Jan-11	21:45	21:54	0.15	1576	1590	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	21:54	22:14	0.33	1590	1671	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	22:14	22:19	0.08	1671	1671	Survey & Conn.	Survey & Conn.
18-Jan-11	22:19	22:39	0.33	1671	1766	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	22:39	22:44	0.08	1766	1766	Survey & Conn.	Survey & Conn.
18-Jan-11	22:44	23:03	0.32	1766	1861	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	23:03	23:08	0.08	1861	1861	Survey & Conn.	Survey & Conn.
18-Jan-11	23:08	23:28	0.33	1861	1957	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
18-Jan-11	23:28	23:33	0.08	1957	1957	Survey & Conn.	Survey & Conn.
18-Jan-11	23:33	23:42	0.15	1957	1977	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
18-Jan-11	23:42	24:00	0.30	1977	2052	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)



SDI Job #:	20110115	Report Time:	2400	2 of 4
COMPANY:	Bill Barrett	API JOB #		
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 313	FIELD:	Miller 10 Pad	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Miller Federal 33C-6-791			

From Wednesday, January 19, 2011 at 0000 to Wednesday, January 19, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters								
Start Depth	2052.00	Rotary Hours	13.92	WOB	25	Pick UP	95	Slack Off	90	SPM		
End Depth	4665.00	Circulating Hours	0.33	RAB	93	SPP	2291	FlowRate	502 - 502	120		
Total Drilled:	2613.00	Avg. Total ROP:	122.48	Mud Data								
Total Rotary Drilled:	2211.00	Avg. Rotary ROP:	158.87	Type	LSND/LSD			PV	21	SOLID	7	
Total Drilled Sliding:	402.00	Avg. Slide ROP:	54.20	Weight	9.6	GAS	0	YP	17	BHT°	0	
Slide Hours:	7.42	Percent Rotary:	84.62	Viscosity	52	SAND	0.2	PH	9.2	Flow T°	98	
Below Rotary Hrs.	24.00	Percent Slide:	15.38	Chlorides	800	WL	5.6			Oil %	0	
PERSONNEL				Casing			BHA					
Lead Directional :	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 1:Q504FX 4x16, 6 1/2in motor, 6 1/8in UBHO, 6 1/2in Monel, 6 1/2in Gap Sub, 6 1/2in Monel, 30jnts 4 1/2in HWDP,					
Second Directional :	Ricky Harris			Signature:								
MWD Operator1	Tim Perkins											
MWD Operator2												
Directional Company:	Sharewell											
Geologist:												
Company Man:	Robert Schultz											
Incl. In:	9.2	Azm. In:	143.4	Incl. Out:	1.1	Azm. Out:	108.3					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jan-11	00:00	00:05	0.08	2052	2052	Survey & Conn.	Survey & Conn.
19-Jan-11	00:05	00:27	0.37	2052	2147	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	00:27	00:32	0.08	2147	2147	Survey & Conn.	Survey & Conn.
19-Jan-11	00:32	00:53	0.35	2147	2242	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	00:53	00:58	0.08	2242	2242	Survey & Conn.	Survey & Conn.
19-Jan-11	00:58	01:12	0.23	2242	2272	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	01:12	01:29	0.28	2272	2337	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	01:29	01:34	0.08	2337	2337	Survey & Conn.	Survey & Conn.
19-Jan-11	01:34	01:39	0.08	2337	2337	Rig Service-Inhole	Rig Service-Inhole
19-Jan-11	01:39	01:51	0.20	2337	2367	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	01:51	02:07	0.27	2367	2432	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	02:07	02:12	0.08	2432	2432	Survey & Conn.	Survey & Conn.
19-Jan-11	02:12	02:35	0.38	2432	2527	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	02:35	02:40	0.08	2527	2527	Survey & Conn.	Survey & Conn.
19-Jan-11	02:40	03:10	0.50	2527	2622	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	03:10	03:15	0.08	2622	2622	Survey & Conn.	Survey & Conn.
19-Jan-11	03:15	03:36	0.35	2622	2717	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jan-11	03:36	03:41	0.08	2717	2717	Survey & Conn.	Survey & Conn.
19-Jan-11	03:41	03:59	0.30	2717	2747	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	03:59	04:15	0.27	2747	2813	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	04:15	04:20	0.08	2813	2813	Survey & Conn.	Survey & Conn.
19-Jan-11	04:20	04:48	0.47	2813	2908	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	04:48	04:53	0.08	2908	2908	Survey & Conn.	Survey & Conn.
19-Jan-11	04:53	05:28	0.58	2908	3003	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	05:28	05:33	0.08	3003	3003	Survey & Conn.	Survey & Conn.
19-Jan-11	05:33	06:01	0.47	3003	3098	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	06:01	06:06	0.08	3098	3098	Survey & Conn.	Survey & Conn.
19-Jan-11	06:06	06:27	0.35	3098	3193	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	06:27	06:32	0.08	3193	3193	Survey & Conn.	Survey & Conn.
19-Jan-11	06:32	06:59	0.45	3193	3288	Drilling	Drilling - (WOB:25;GPM :502;RPM:45)
19-Jan-11	06:59	07:04	0.08	3288	3288	Survey & Conn.	Survey & Conn.
19-Jan-11	07:04	07:35	0.52	3288	3383	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	07:35	07:40	0.08	3383	3383	Survey & Conn.	Survey & Conn.
19-Jan-11	07:40	07:43	0.05	3383	3385	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	07:43	08:05	0.37	3385	3415	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	08:05	08:27	0.37	3415	3478	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	08:27	08:32	0.08	3478	3478	Survey & Conn.	Survey & Conn.
19-Jan-11	08:32	09:14	0.70	3478	3573	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	09:14	09:19	0.08	3573	3573	Survey & Conn.	Survey & Conn.
19-Jan-11	09:19	09:55	0.60	3573	3669	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	09:55	10:00	0.08	3669	3669	Survey & Conn.	Survey & Conn.
19-Jan-11	10:00	10:02	0.03	3669	3675	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	10:02	10:23	0.35	3675	3690	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	10:23	10:51	0.47	3690	3764	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	10:51	10:56	0.08	3764	3764	Survey & Conn.	Survey & Conn.
19-Jan-11	10:56	11:00	0.07	3764	3770	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	11:00	11:23	0.38	3770	3785	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	11:23	11:58	0.58	3785	3859	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	11:58	12:03	0.08	3859	3859	Survey & Conn.	Survey & Conn.
19-Jan-11	12:03	12:53	0.83	3859	3954	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	12:53	12:58	0.08	3954	3954	Survey & Conn.	Survey & Conn.
19-Jan-11	12:58	13:48	0.83	3954	4049	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	13:48	13:53	0.08	4049	4049	Survey & Conn.	Survey & Conn.
19-Jan-11	13:53	13:56	0.05	4049	4052	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	15:11	15:16	0.08	4144	4148	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	15:16	16:02	0.77	4148	4180	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	16:02	16:31	0.48	4180	4239	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	16:31	16:36	0.08	4239	4239	Survey & Conn.	Survey & Conn.
19-Jan-11	16:36	16:51	0.25	4239	4239	Rig Service-Inhole	Rig Service-Inhole
19-Jan-11	16:51	16:55	0.07	4239	4243	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	16:55	17:25	0.50	4243	4275	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	17:25	17:59	0.57	4275	4334	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	17:59	18:04	0.08	4334	4334	Survey & Conn.	Survey & Conn.
19-Jan-11	18:04	18:09	0.08	4334	4338	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	18:09	19:01	0.87	4338	4373	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
19-Jan-11	19:01	19:38	0.62	4373	4430	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	19:38	19:43	0.08	4430	4430	Survey & Conn.	Survey & Conn.
19-Jan-11	19:43	20:32	0.82	4430	4472	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	20:32	21:09	0.62	4472	4525	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	21:09	21:14	0.08	4525	4525	Survey & Conn.	Survey & Conn.
19-Jan-11	21:14	22:05	0.85	4525	4570	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	22:05	22:42	0.62	4570	4620	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	13:56	14:30	0.57	4052	4073	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
19-Jan-11	14:30	15:06	0.60	4073	4144	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
19-Jan-11	15:06	15:11	0.08	4144	4144	Survey & Conn.	Survey & Conn.
19-Jan-11	22:42	22:47	0.08	4620	4620	Survey & Conn.	Survey & Conn.
19-Jan-11	22:47	24:00	1.22	4620	4665	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)



SDI Job #:	20110115	Report Time:	2400	3 of 4
COMPANY:	Bill Barrett	API JOB #		
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 313	FIELD:	Miller 10 Pad	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Miller Federal 33C-6-791			

From Thursday, January 20, 2011 at 0000 to Thursday, January 20, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters									
Start Depth	4665.00	Rotary Hours	15.35	WOB	30	Pick UP	210	Slack Off	185	SPM			
End Depth	6376.00	Circulating Hours	0.27	RAB	195	SPP	2538	FlowRate	502 - 502	120			
Total Drilled:	1711.00	Avg. Total ROP:	95.50	Mud Data									
Total Rotary Drilled:	1542.00	Avg. Rotary ROP:	100.46	Type	LSND/LSD			PV	19	SOLID	7		
Total Drilled Sliding:	169.00	Avg. Slide ROP:	65.84	Weight	9.75	GAS	0	YP	18	BHT°	0		
Slide Hours:	2.57	Percent Rotary:	90.12	Viscosity	48	SAND	0.5	PH	9.1	Flow T°	92		
Below Rotary Hrs.	24.00	Percent Slide:	9.88	Chlorides	700	WL	6.4			Oil %	0		
PERSONNEL				Casing			BHA						
Lead Directional :	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 2:FX55M 5x16, 6 1/2in motor, 6 1/8in UBHO, 6 1/2in Monel, 6 1/2in Gap Sub, 6 1/2in Monel, 30jnts 4 1/2in HWDP,						
Second Directional :	Ricky Harris			Signature:									
MWD Operator1	Tim Perkins												
MWD Operator2													
Directional Company:	Sharewell												
Geologist:													
Company Man:	Robert Schultz												
Incl. In:	1.1	Azm. In:	108.3	Incl. Out:	1.3	Azm. Out:	130.4						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jan-11	00:00	00:38	0.63	4665	4715	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	00:38	00:43	0.08	4715	4715	Survey & Conn.	Survey & Conn.
20-Jan-11	00:43	01:40	0.95	4715	4810	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	01:40	01:45	0.08	4810	4810	Survey & Conn.	Survey & Conn.
20-Jan-11	01:45	02:43	0.97	4810	4905	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	02:43	02:48	0.08	4905	4905	Survey & Conn.	Survey & Conn.
20-Jan-11	02:48	04:02	1.23	4905	5000	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	04:02	04:07	0.08	5000	5000	Survey & Conn.	Survey & Conn.
20-Jan-11	04:07	05:20	1.22	5000	5096	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	05:20	05:25	0.08	5096	5096	Survey & Conn.	Survey & Conn.
20-Jan-11	05:25	06:14	0.82	5096	5143	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	06:14	08:07	1.88	5143	5143	POOH	POOH
20-Jan-11	08:07	08:24	0.28	5143	5143	Change BHA	Change BHA
20-Jan-11	08:24	10:33	2.15	5143	5143	TIH	TIH
20-Jan-11	10:33	11:01	0.47	5143	5191	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	11:01	11:06	0.08	5191	5191	Survey & Conn.	Survey & Conn.
20-Jan-11	11:06	11:11	0.08	5191	5195	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
20-Jan-11	11:11	11:34	0.38	5195	5223	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	11:34	12:04	0.50	5223	5286	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	12:04	12:09	0.08	5286	5286	Survey & Conn.	Survey & Conn.
20-Jan-11	12:09	12:13	0.07	5286	5291	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	12:13	12:38	0.42	5291	5316	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	12:38	13:12	0.57	5316	5381	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	13:12	13:17	0.08	5381	5381	Survey & Conn.	Survey & Conn.
20-Jan-11	13:17	14:05	0.80	5381	5476	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	14:05	14:10	0.08	5476	5476	Survey & Conn.	Survey & Conn.
20-Jan-11	14:10	14:58	0.80	5476	5571	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	14:58	15:03	0.08	5571	5571	Survey & Conn.	Survey & Conn.
20-Jan-11	15:03	15:52	0.82	5571	5666	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	15:52	15:57	0.08	5666	5666	Survey & Conn.	Survey & Conn.
20-Jan-11	15:57	16:13	0.27	5666	5666	Rig Service-Inhole	Rig Service-Inhole
20-Jan-11	16:13	16:15	0.03	5666	5670	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	16:15	16:49	0.57	5670	5700	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	16:49	17:20	0.52	5700	5761	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	17:20	17:25	0.08	5761	5761	Survey & Conn.	Survey & Conn.
20-Jan-11	17:25	17:29	0.07	5761	5766	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	17:29	17:52	0.38	5766	5790	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	17:52	18:28	0.60	5790	5856	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	18:28	18:33	0.08	5856	5856	Survey & Conn.	Survey & Conn.
20-Jan-11	18:33	19:20	0.78	5856	5951	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	19:20	19:25	0.08	5951	5951	Survey & Conn.	Survey & Conn.
20-Jan-11	19:25	20:27	1.03	5951	6046	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	20:27	20:32	0.08	6046	6046	Survey & Conn.	Survey & Conn.
20-Jan-11	20:32	20:54	0.37	6046	6076	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	20:54	21:36	0.70	6076	6142	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	21:36	21:41	0.08	6142	6142	Survey & Conn.	Survey & Conn.
20-Jan-11	21:41	22:25	0.73	6142	6237	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	22:25	22:30	0.08	6237	6237	Survey & Conn.	Survey & Conn.
20-Jan-11	22:30	23:15	0.75	6237	6332	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
20-Jan-11	23:15	23:20	0.08	6332	6332	Survey & Conn.	Survey & Conn.
20-Jan-11	23:20	23:47	0.45	6332	6364	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
20-Jan-11	23:47	24:00	0.22	6364	6376	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)



SDI Job #:	20110115	Report Time:	2400	4 of 4
COMPANY:	Bill Barrett	API JOB #		
LOCATION:	Silt	WORK ORDER#		
RIG NAME:	Patterson 313	FIELD:	Miller 10 Pad	
STATE:	Colorado	Sec-Twn-Rng:		
COUNTY:	Garfield	AFE# & District		
WELL NAME:	Miller Federal 33C-6-791			

From Friday, January 21, 2011 at 0000 to Friday, January 21, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters									
Start Depth	6376.00	Rotary Hours	6.03	WOB	30	Pick UP	210	Slack Off	185	SPM			
End Depth	7135.00	Circulating Hours	2.00	RAB	195	SPP	2538	FlowRate	502 - 502	120			
Total Drilled:	759.00	Avg. Total ROP:	113.85	Mud Data									
Total Rotary Drilled:	719.00	Avg. Rotary ROP:	119.17	Type	LSND/LSD			PV	19	SOLID	7		
Total Drilled Sliding:	40.00	Avg. Slide ROP:	63.16	Weight	9.75	GAS	0	YP	18	BHT°	0		
Slide Hours:	0.63	Percent Rotary:	94.73	Viscosity	48	SAND	0.5	PH	9.1	Flow T°	92		
Below Rotary Hrs.	13.00	Percent Slide:	5.27	Chlorides	700	WL	6.4			Oil %	0		
PERSONNEL				Casing			BHA						
Lead Directional :	Bobby Wolf			Size	Lb/ft	Set Depth	BHA # 2:FX55M 5x16, 6 1/2in motor, 6 1/8in UBHO, 6 1/2in Monel, 6 1/2in Gap Sub, 6 1/2in Monel, 30jnts 4 1/2in HWDP,						
Second Directional :	Ricky Harris			Signature:									
MWD Operator1	Tim Perkins												
MWD Operator2													
Directional Company:	Sharewell												
Geologist:													
Company Man:	Robert Schultz												
Incl. In:	1.3	Azm. In:	130.4	Incl. Out:	3.2	Azm. Out:	185.4						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jan-11	00:00	00:29	0.48	6376	6427	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	00:29	00:34	0.08	6427	6427	Survey & Conn.	Survey & Conn.
21-Jan-11	00:34	01:12	0.63	6427	6467	Sliding	Sliding - (WOB:25;GPM :502;TFO:0)
21-Jan-11	01:12	01:45	0.55	6467	6522	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	01:45	01:50	0.08	6522	6522	Survey & Conn.	Survey & Conn.
21-Jan-11	01:50	02:29	0.65	6522	6617	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	02:29	02:34	0.08	6617	6617	Survey & Conn.	Survey & Conn.
21-Jan-11	02:34	03:18	0.73	6617	6712	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	03:18	03:23	0.08	6712	6712	Survey & Conn.	Survey & Conn.
21-Jan-11	03:23	04:10	0.78	6712	6807	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	04:10	04:15	0.08	6807	6807	Survey & Conn.	Survey & Conn.
21-Jan-11	04:15	05:08	0.88	6807	6902	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	05:08	05:13	0.08	6902	6902	Survey & Conn.	Survey & Conn.
21-Jan-11	05:13	06:08	0.92	6902	6997	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	06:08	06:13	0.08	6997	6997	Survey & Conn.	Survey & Conn.
21-Jan-11	06:13	06:52	0.65	6997	7092	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	06:52	06:57	0.08	7092	7092	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
21-Jan-11	06:57	07:20	0.38	7092	7135	Drilling	Drilling - (WOB:30;GPM :502;RPM:45)
21-Jan-11	07:20	07:25	0.08	7135	7135	Survey & Conn.	Survey & Conn.
21-Jan-11	07:25	09:25	2.00	7135	7135	Circulating	Circulating
21-Jan-11	09:25	13:00	3.58	7135	7135	POOH	POOH

Well Information

BHA # 1



SDI Job #: 20110115
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Patterson 313
STATE: Colorado
COUNTY: Garfield
WELL NAME: Miller Federal 33C-6-791

FIELD: Miller 10 Pad
Sec-Twn-Rng:
PO #/ DISTRICT:
Lead DD: Bobby Wolf
Co. Man: Robert Schultz
BHA TYPE: Steerable Assembly

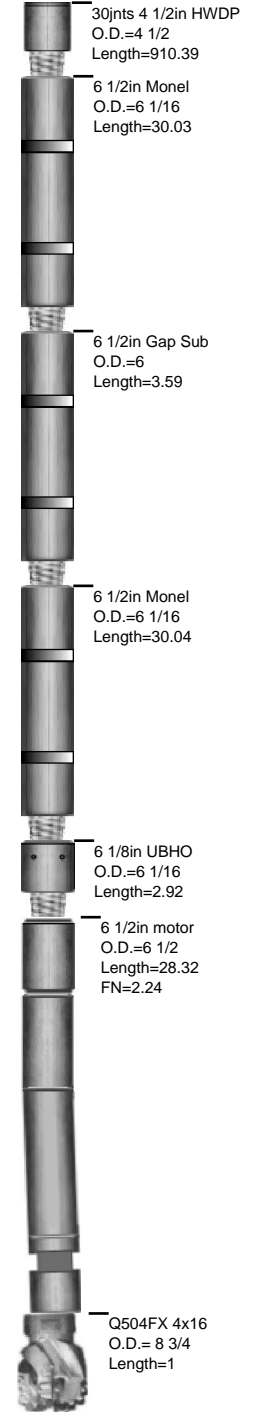
BHA Summary Information

TIME IN - OUT		Rotary Hours	24.57	Start Depth	701.00	RPM	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only	34.07 / .63	End Depth	5143.00	Range	
18-Jan-11 @ 15:45	20-Jan-11 @ 08:24	Slide Hours	8.87	Percent Rotary:	87.75	35 -45	0 -502
		Below Rotary Hrs.	40.65	Percent Slide:	12.25		
Total Drilled:		4442.00	Avg. Total ROP:	132.86	Incl.	Azimuth	
Total Rotary Drilled:		3898.00	Avg. Rotary ROP:	158.67	IN	OUT	IN OUT
Total Drilled Sliding:		544.00	Avg. Slide ROP:	61.35	.0	.0	.00 .00
SPP	594 -2291	Weights	SO 0 -90	PU 0 -95	RAB 0 -93	Reason POOH	PR

Bit Data				Motor Data				Mud Data					
BAKER		Q504FX 4x16		6.5mtr,9:10lobe,3.7stg,0.17rev,1.76ako				Type		LSND/LSD			
Type Bit		PDC		Model: 65		Pad OD		WT 9.6		GAS 0 Solids 7			
TFA		0.785		MFG. Spidle		6 5/8		Vis 52		SAND 0.2 T° 98			
JETS		16	16	16	16	0	Bend ° 1.76	Stator/Rotor 9:10		PV 21 PH 9.2 Chlor 800			
		0	0	0	0	0	Bit to Bend 6.47	Motor Diff 350		YP 17 WL 5.6 Oil % 0			
Bit Coding		IADC#		Rev/GAL 0.17		BHT°		0					
IR	OR	DL	Loc	BS	G	ODL	Pumps		PUMP1		PUMP1		
1	2	WT	G	X	1	CT	NB Stab 0						
Bit Drop:		362 PSI @ 502 GPM		Sensor Offsets				Type					
Comments		Sensor	45	Sonic	0	Liner		.00		.00			
		Gamma	0	DNCS	745	Stroke		.00		.00			
		Restiv	0	GYRO	0	Efficiency		.00		.00			

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	Q504FX 4x16	7130655		8 3/4	1.00	1.00	4 1/2 REGP
2	6 1/2in motor	FT65047		6 1/2	28.32	29.32	4 1/2 XHB
3	6 1/8in UBHO	NSN	2 7/8	6 1/16	2.92	32.24	4 1/2 XHB
4	6 1/2in Monel	650-300-079	3 1/4	6 1/16	30.04	62.28	4 1/2 XHB
5	6 1/2in Gap Sub	G-65-000R	3 3/16	6	3.59	65.87	4 1/2 XHB
6	6 1/2in Monel	650-300-275	3 1/4	6 1/16	30.03	95.90	4 1/2 XHB
7	30jnts 4 1/2in HWDP	RIG	2 7/8	4 1/2	910.39	1006.29	4 1/2 XHB



Well Information

BHA # 2



SDI Job #: 20110115
COMPANY: Bill Barrett
LOCATION: Silt
RIG NAME: Patterson 313
STATE: Colorado
COUNTY: Garfield
WELL NAME: Miller Federal 33C-6-791

FIELD: Miller 10 Pad
Sec-Twn-Rng:
PO #/ DISTRICT
Lead DD: Bobby Wolf
Co. Man: Robert Schultz
BHA TYPE: Steerable Assembly

BHA Summary Information

TIME IN - OUT		Rotary Hours	15.57	Start Depth	5143.00	RPM	Flow Rate
Start Time	End Time	Circ Hrs Tot/Only	21.03 / 2.27	End Depth	7135.00	Range	
20-Jan-11 @ 08:24	21-Jan-11 @ 13:00	Slide Hours	3.20	Percent Rotary:	89.51	45 -45	502 -502
		Below Rotary Hrs.	28.60	Percent Slide:	10.49		
Total Drilled:		1992.00	Avg. Total ROP:	106.15	Incl.	Azimuth	
Total Rotary Drilled:		1783.00	Avg. Rotary ROP:	114.54	IN	OUT	IN OUT
Total Drilled Sliding:		209.00	Avg. Slide ROP:	65.31	.0	.0	.00 .00
SPP	2538 -2538	Weights	SO 185 -185	PU 210 -210	RAB 195 -195	Reason POOH	

Bit Data				Motor Data				Mud Data				
SEC.	FX55M 5x16			6.5mtr,9:10lobe,3.7stg,0.17rev,1.76ako				Type	LSND/LSD			
Type Bit		PDC		Model:	65		Pad OD	WT 9.75 GAS 0 Solids 7				
TFA	0.981		MFG.	Spidle		6 5/8		Vis	48 SAND 0.5 T ° 92			
JETS		16	16	16	16	16	Bend °	1.76 Stator/Rotor		9:10		
		0	0	0	0	0	Bit to Bend	6.47 Motor Diff		350		
Bit Coding		IADC#		Rev/GAL	0.17		BHT°		0			
IR	OR	DL	Loc	BS	G	ODL	NB Stab	0		Pumps		
0	0						Rotor Jet	0		PUMP1 PUMP1		
Bit Drop:		235 PSI @ 502 GPM		Sensor Offsets								
Comments		Sensor	45	Sonic	0							
		Gamma	0	DNCS	5143							
		Restiv	0	GYRO	0							
				Liner								
				Stroke								
				Efficiency								

BHA Detail

#	Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn
1	FX55M 5x16	11611607		7 7/8	1.00	1.00	4 1/2 REGP
2	6 1/2in motor	FT65047		6 1/2	28.32	29.32	4 1/2 XHB
3	6 1/8in UBHO	NSN	2 7/8	6 1/16	2.92	32.24	4 1/2 XHB
4	6 1/2in Monel	650-300-079	3 1/4	6 1/16	30.04	62.28	4 1/2 XHB
5	6 1/2in Gap Sub	G-65-000R	3 3/16	6	3.59	65.87	4 1/2 XHB
6	6 1/2in Monel	650-300-275	3 1/4	6 1/16	30.03	95.90	4 1/2 XHB
7	30jnts 4 1/2in HWDP	RIG	2 7/8	4 1/2	910.39	1006.29	4 1/2 XHB

