



Bill Barrett Corp.

Garfield County, Colorado

MDP 6 Pad

GGU Miller 24D-32-691

Wellbore #1

Survey: Surveys

Standard Survey Report

22 November, 2010



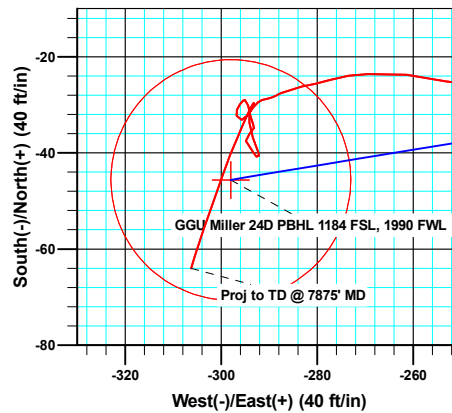
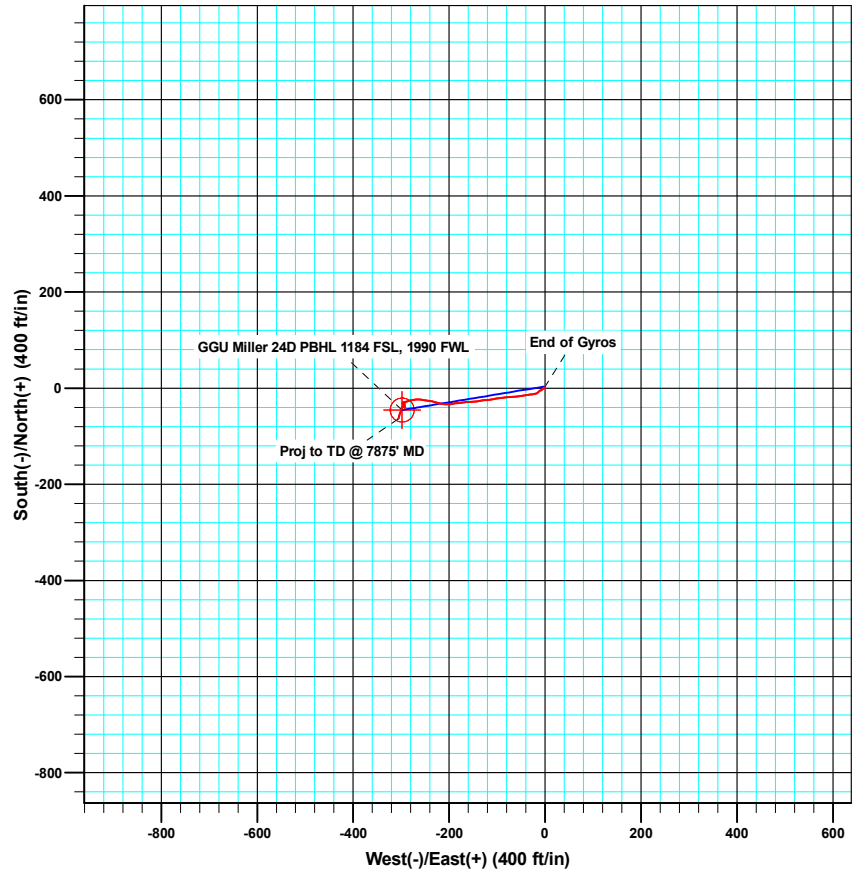
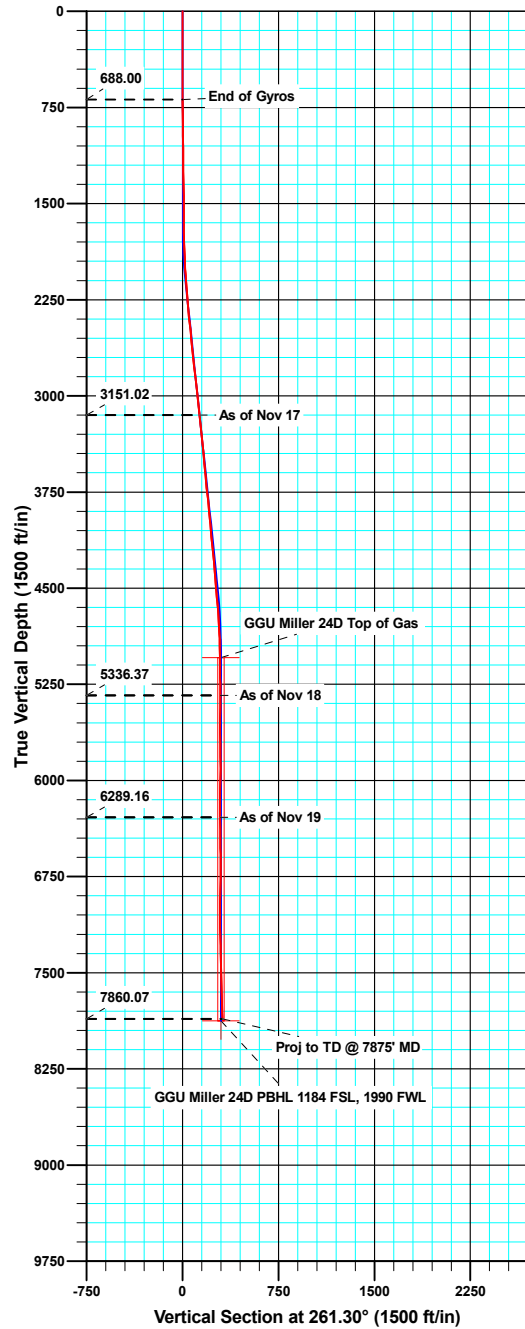


Bill Barrett Corporation

WELL DETAILS: GGU Miller 24D-32-691

Ground Level: 6120.00

North American Datum 1983		US State Plane 1983		Colorado Central Zone	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1606588.40	2413265.86	39° 28' 49.54 N	107° 34' 43.90 W



Azimuths to True North
Magnetic North: 10.22°

Magnetic Field
Strength: 52392.4snT
Dip Angle: 65.83°
Date: 10/14/2010
Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
3151.02	3157.00	6.20	259.80	-25.76	-131.37	133.75	136.49	As of Nov 17
5336.37	5350.00	1.60	188.60	-33.74	-294.14	295.86	305.65	As of Nov 18
6289.16	6303.00	1.50	351.00	-32.21	-293.89	295.38	324.86	As of Nov 19
7860.07	7875.00	3.40	196.40	-64.00	-306.23	312.39	376.93	Proj to TD @ 7875' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Miller 24D-32-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6142.00ft
Site:	MDP 6 Pad	MD Reference:	KB @ 6142.00ft
Well:	GGU Miller 24D-32-691	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		MDP 6 Pad			
Site Position:		Northing:	1,606,603.61 usft	Latitude:	39° 28' 49.69 N
From:	Lat/Long	Easting:	2,413,270.17 usft	Longitude:	107° 34' 43.85 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well		GGU Miller 24D-32-691				
Well Position	+N/-S	0.00 ft	Northing:	1,606,588.39 usft	Latitude:	39° 28' 49.54 N
	+E/-W	0.00 ft	Easting:	2,413,265.87 usft	Longitude:	107° 34' 43.90 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,120.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/14/10	10.22	65.83	52,392

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	261.30	

Survey Program	Date	11/22/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	688.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
882.00	7,875.00	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)	
688.00	0.12	347.39	688.00	0.73	-1.62	1.49	0.00	0.00	0.00	
787.50	0.14	257.53	787.50	0.81	-1.77	1.62	0.19	0.02	-90.31	
9 5/8"										
882.00	0.30	235.20	882.00	0.64	-2.08	1.96	0.19	0.17	-23.63	
974.00	1.10	232.20	973.99	-0.04	-2.98	2.95	0.87	0.87	-3.26	
1,066.00	1.90	227.00	1,065.96	-1.62	-4.79	4.98	0.88	0.87	-5.65	
1,158.00	0.40	250.80	1,157.94	-2.76	-6.21	6.56	1.68	-1.63	25.87	
1,250.00	0.40	265.30	1,249.93	-2.90	-6.83	7.19	0.11	0.00	15.76	
1,346.00	0.70	219.70	1,345.93	-3.37	-7.54	7.97	0.53	0.31	-47.50	
1,441.00	1.10	214.70	1,440.92	-4.57	-8.43	9.03	0.43	0.42	-5.26	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Miller 24D-32-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6142.00ft
Site:	MDP 6 Pad	MD Reference:	KB @ 6142.00ft
Well:	GGU Miller 24D-32-691	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)
1,536.00	0.50	316.10	1,535.91	-5.02	-9.24	9.89	1.36	-0.63	106.74
1,632.00	0.60	249.40	1,631.91	-4.90	-10.00	10.63	0.64	0.10	-69.48
1,727.00	1.10	239.00	1,726.90	-5.54	-11.25	11.96	0.55	0.53	-10.95
1,822.00	2.00	217.40	1,821.86	-7.33	-13.04	13.99	1.11	0.95	-22.74
1,918.00	2.50	237.20	1,917.79	-9.79	-15.81	17.11	0.96	0.52	20.63
2,013.00	3.40	250.30	2,012.66	-11.87	-20.21	21.77	1.18	0.95	13.79
2,108.00	4.40	268.60	2,107.45	-12.90	-26.50	28.15	1.67	1.05	19.26
2,204.00	4.20	256.30	2,203.18	-13.83	-33.60	35.30	0.98	-0.21	-12.81
2,299.00	5.20	261.20	2,297.86	-15.31	-41.23	43.08	1.13	1.05	5.16
2,394.00	5.70	261.20	2,392.43	-16.69	-50.15	52.10	0.53	0.53	0.00
2,489.00	6.00	269.30	2,486.93	-17.47	-59.78	61.73	0.92	0.32	8.53
2,585.00	6.30	265.80	2,582.38	-17.92	-70.05	71.95	0.50	0.31	-3.65
2,680.00	6.10	264.50	2,676.83	-18.78	-80.27	82.19	0.26	-0.21	-1.37
2,775.00	6.40	261.50	2,771.26	-20.05	-90.53	92.52	0.47	0.32	-3.16
2,871.00	6.40	263.10	2,866.66	-21.48	-101.14	103.22	0.19	0.00	1.67
2,966.00	6.20	254.60	2,961.09	-23.48	-111.34	113.61	1.00	-0.21	-8.95
3,061.00	6.00	270.00	3,055.56	-24.85	-121.25	123.61	1.73	-0.21	16.21
3,157.00	6.20	259.80	3,151.02	-25.76	-131.37	133.75	1.15	0.21	-10.63
3,252.00	5.70	263.10	3,245.51	-27.24	-141.10	143.60	0.64	-0.53	3.47
3,347.00	5.90	265.40	3,340.02	-28.20	-150.65	153.18	0.32	0.21	2.42
3,443.00	5.10	268.20	3,435.58	-28.73	-159.83	162.34	0.88	-0.83	2.92
3,538.00	5.90	261.30	3,530.14	-29.60	-168.88	171.42	1.09	0.84	-7.26
3,634.00	5.60	263.50	3,625.66	-30.87	-178.41	181.03	0.39	-0.31	2.29
3,729.00	5.80	265.90	3,720.19	-31.74	-187.81	190.45	0.33	0.21	2.53
3,824.00	5.70	257.40	3,814.71	-33.11	-197.20	199.94	0.90	-0.11	-8.95
3,920.00	5.80	273.70	3,910.24	-33.84	-206.69	209.43	1.70	0.10	16.98
4,015.00	5.30	276.00	4,004.79	-33.07	-215.85	218.37	0.58	-0.53	2.42
4,111.00	6.60	292.60	4,100.28	-30.49	-225.35	227.37	2.23	1.35	17.29
4,206.00	5.80	283.30	4,194.72	-27.29	-235.06	236.49	1.35	-0.84	-9.79
4,301.00	5.40	270.40	4,289.27	-26.15	-244.20	245.35	1.39	-0.42	-13.58
4,397.00	5.30	283.50	4,384.86	-25.08	-253.03	253.92	1.27	-0.10	13.65
4,492.00	4.90	274.30	4,479.48	-23.76	-261.35	261.93	0.96	-0.42	-9.68
4,587.00	4.90	268.30	4,574.14	-23.57	-269.45	269.91	0.54	0.00	-6.32
4,683.00	4.60	253.90	4,669.81	-24.76	-277.24	277.80	1.28	-0.31	-15.00
4,778.00	2.90	260.80	4,764.61	-26.20	-283.28	283.98	1.85	-1.79	7.26
4,873.00	2.70	242.60	4,859.49	-27.62	-287.64	288.50	0.95	-0.21	-19.16
4,968.00	0.60	268.20	4,954.45	-28.66	-290.12	291.12	2.29	-2.21	26.95
5,064.00	1.10	249.10	5,050.44	-29.01	-291.48	292.52	0.59	0.52	-19.90
5,160.00	1.80	219.30	5,146.41	-30.50	-293.30	294.54	1.05	0.73	-31.04
5,255.00	0.50	158.80	5,241.39	-32.04	-294.09	295.56	1.70	-1.37	-63.68
5,350.00	1.60	188.60	5,336.37	-33.74	-294.14	295.86	1.26	1.16	31.37
5,446.00	2.40	151.90	5,432.32	-36.84	-293.40	295.59	1.53	0.83	-38.23
5,541.00	1.60	168.80	5,527.26	-39.90	-292.20	294.87	1.04	-0.84	17.79

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Miller 24D-32-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6142.00ft
Site:	MDP 6 Pad	MD Reference:	KB @ 6142.00ft
Well:	GGU Miller 24D-32-691	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)	
5,636.00	1.00	303.60	5,622.25	-40.74	-292.63	295.43	2.54	-0.63	141.89	
5,732.00	0.90	345.20	5,718.24	-39.54	-293.52	296.13	0.71	-0.10	43.33	
5,827.00	0.90	309.80	5,813.23	-38.35	-294.29	296.70	0.58	0.00	-37.26	
5,923.00	0.40	10.60	5,909.22	-37.53	-294.81	297.09	0.82	-0.52	63.33	
6,018.00	1.60	29.60	6,004.20	-36.05	-294.09	296.16	1.29	1.26	20.00	
6,113.00	0.30	71.10	6,099.19	-34.82	-293.20	295.09	1.46	-1.37	43.68	
6,208.00	0.90	330.60	6,194.19	-34.09	-293.33	295.11	1.05	0.63	-105.79	
6,303.00	1.50	351.00	6,289.16	-32.21	-293.89	295.38	0.77	0.63	21.47	
6,399.00	1.10	342.50	6,385.14	-30.09	-294.36	295.53	0.46	-0.42	-8.85	
6,494.00	0.50	298.10	6,480.13	-29.03	-295.00	296.00	0.86	-0.63	-46.74	
6,589.00	1.60	216.40	6,575.12	-29.90	-296.16	297.27	1.69	1.16	-86.00	
6,685.00	1.50	172.50	6,671.08	-32.22	-296.79	298.25	1.21	-0.10	-45.73	
6,780.00	1.20	71.40	6,766.07	-33.14	-295.68	297.29	2.20	-0.32	-106.42	
6,875.00	1.30	30.20	6,861.05	-31.89	-294.20	295.64	0.93	0.11	-43.37	
6,971.00	1.00	24.00	6,957.03	-30.18	-293.31	294.50	0.34	-0.31	-6.46	
7,066.00	0.30	229.10	7,052.02	-29.59	-293.16	294.26	1.35	-0.74	-163.05	
7,162.00	1.30	210.60	7,148.01	-30.69	-293.91	295.17	1.06	1.04	-19.27	
7,304.00	2.10	201.40	7,289.95	-34.50	-295.67	297.49	0.59	0.56	-6.48	
7,352.00	2.50	202.20	7,337.91	-36.29	-296.39	298.47	0.84	0.83	1.67	
7,448.00	2.80	203.00	7,433.81	-40.39	-298.10	300.78	0.31	0.31	0.83	
7,543.00	3.30	198.50	7,528.67	-45.12	-299.87	303.25	0.58	0.53	-4.74	
7,639.00	3.40	199.30	7,624.51	-50.42	-301.69	305.85	0.11	0.10	0.83	
7,734.00	3.60	200.10	7,719.33	-55.88	-303.65	308.61	0.22	0.21	0.84	
7,828.00	3.40	196.40	7,813.16	-61.33	-305.45	311.21	0.32	-0.21	-3.94	
7,875.00	3.40	196.40	7,860.07	-64.00	-306.23	312.39	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (ft)	Hole Diameter (ft)
787.50	787.50	9 5/8"		0.80	1.02

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
3,157.00	3,151.02	-25.76	-131.37	As of Nov 17	
5,350.00	5,336.37	-33.74	-294.14	As of Nov 18	
6,303.00	6,289.16	-32.21	-293.89	As of Nov 19	
7,875.00	7,860.07	-64.00	-306.23	Proj to TD @ 7875' MD	

Checked By: _____ Approved By: _____ Date: _____