



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 6 Pad

GGU Miller Fed 33B-32-691

Wellbore #1

Survey: Surveys

Standard Survey Report

13 December, 2010



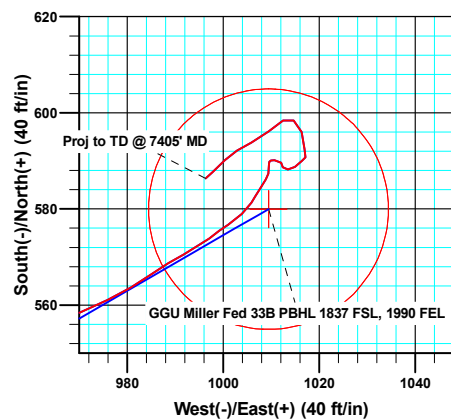
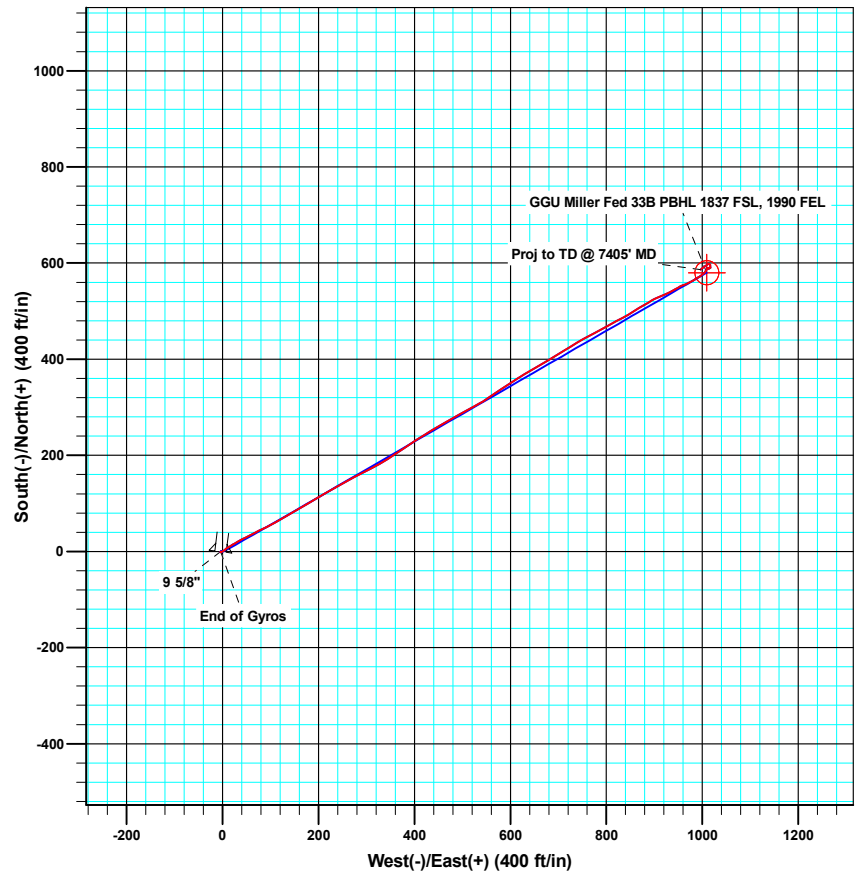
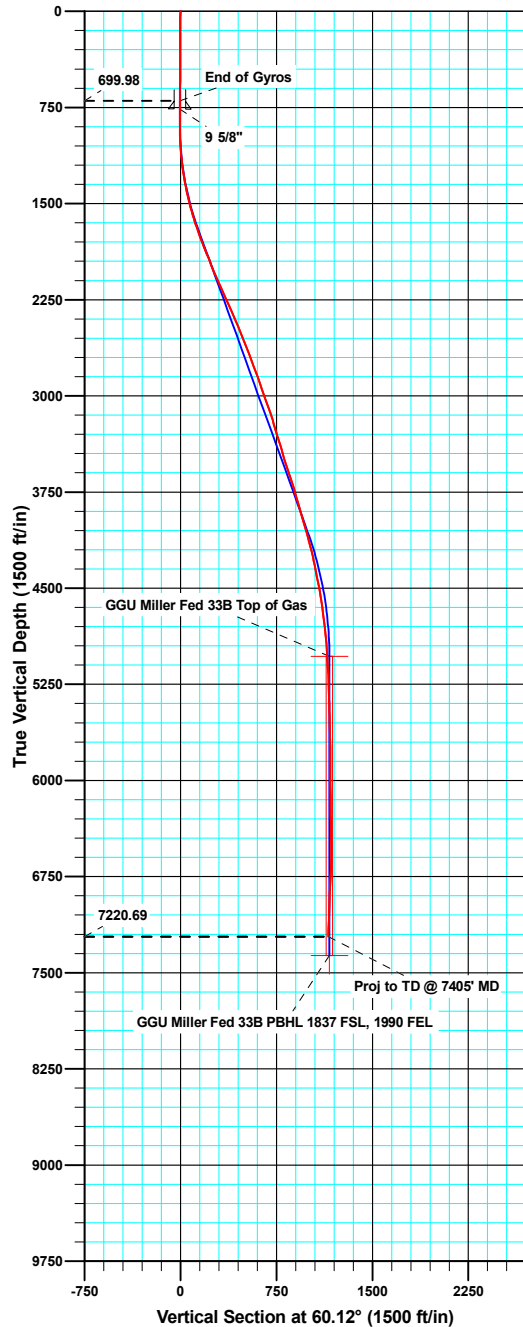


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WELL DETAILS: GGU Miller Fed 33B-32-691

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	1606634.36	2413279.06	39° 28' 50.00 N	107° 34' 43.74 W



Azimuths to True North
Magnetic North: 10.22°

Magnetic Field
Strength: 52392.5nT
Dip Angle: 65.83°
Date: 10/14/2010
Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
7220.69	7405.00	2.40	227.30	586.38	996.36	1156.04	1221.67	Proj to TD @ 7405' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Miller Fed 33B-32-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6142.00ft
Site:	MDP 6 Pad	MD Reference:	KB @ 6142.00ft
Well:	GGU Miller Fed 33B-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 Fed 33B-32-691					
Well Position	+N/-S	0.00 ft	Northing:	1,606,634.36 usft	Latitude:	39° 28' 50.00 N
	+E/-W	0.00 ft	Easting:	2,413,279.06 usft	Longitude:	107° 34' 43.74 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	60.12	

Survey Program	Date	12/13/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	700.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
881.00	7,405.00	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)	
700.00	0.39	162.24	699.98	0.02	-3.92	-3.39	0.00	0.00	0.00	
763.50	0.41	186.93	763.48	-0.41	-3.88	-3.57	0.27	0.03	38.89	
9 5/8"										
881.00	0.60	217.10	880.98	-1.32	-4.31	-4.39	0.27	0.16	25.67	
973.00	1.80	71.50	972.97	-1.25	-3.23	-3.42	2.52	1.30	-158.26	
1,065.00	4.00	58.80	1,064.84	0.87	0.89	1.21	2.48	2.39	-13.80	
1,158.00	6.20	54.80	1,157.47	5.45	7.77	9.45	2.39	2.37	-4.30	
1,250.00	8.10	56.70	1,248.75	11.87	17.25	20.87	2.08	2.07	2.07	
1,345.00	10.50	61.50	1,342.50	19.68	30.45	36.20	2.65	2.53	5.05	
1,441.00	12.80	62.50	1,436.51	28.76	47.57	55.58	2.40	2.40	1.04	

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Well:	GGU Miller Fed 33B-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	15.30	63.40	1,528.66	39.24	68.12	78.61	2.64	2.63	0.95
1,632.00	17.50	64.40	1,620.75	51.15	92.46	105.65	2.31	2.29	1.04
1,727.00	19.70	59.40	1,710.79	65.47	119.13	135.91	2.86	2.32	-5.26
1,823.00	21.00	60.10	1,800.80	82.28	147.97	169.29	1.38	1.35	0.73
1,918.00	22.30	59.20	1,889.09	100.00	178.21	204.34	1.41	1.37	-0.95
2,013.00	21.30	59.80	1,977.30	117.91	208.61	239.62	1.08	-1.05	0.63
2,108.00	23.70	61.40	2,065.06	135.73	240.29	275.96	2.61	2.53	1.68
2,204.00	25.00	61.40	2,152.52	154.68	275.04	315.53	1.35	1.35	0.00
2,299.00	24.20	62.80	2,238.90	173.19	309.98	355.06	1.04	-0.84	1.47
2,395.00	23.90	58.00	2,326.57	192.49	343.98	394.15	2.06	-0.31	-5.00
2,490.00	23.10	56.20	2,413.69	213.05	375.78	431.97	1.13	-0.84	-1.89
2,586.00	22.10	57.00	2,502.32	233.37	406.58	468.79	1.09	-1.04	0.83
2,681.00	21.10	58.70	2,590.65	251.98	436.18	503.73	1.24	-1.05	1.79
2,777.00	21.30	59.80	2,680.15	269.73	466.01	538.44	0.46	0.21	1.15
2,872.00	20.80	61.10	2,768.81	286.56	495.69	572.56	0.72	-0.53	1.37
2,968.00	19.50	62.60	2,858.93	302.17	524.84	605.62	1.46	-1.35	1.56
3,063.00	19.10	56.10	2,948.61	318.14	551.82	636.96	2.30	-0.42	-6.84
3,159.00	20.00	56.80	3,039.07	335.89	578.60	669.02	0.97	0.94	0.73
3,254.00	19.00	56.10	3,128.62	353.41	605.03	700.67	1.08	-1.05	-0.74
3,349.00	16.30	58.80	3,219.14	368.95	629.27	729.43	2.97	-2.84	2.84
3,445.00	17.10	59.90	3,311.09	383.01	653.01	757.01	0.90	0.83	1.15
3,540.00	16.90	60.40	3,401.94	396.83	677.10	784.79	0.26	-0.21	0.53
3,636.00	17.10	57.70	3,493.75	411.27	701.16	812.84	0.85	0.21	-2.81
3,732.00	18.70	59.20	3,585.10	426.69	726.31	842.33	1.73	1.67	1.56
3,827.00	17.60	60.80	3,675.37	441.49	751.93	871.92	1.27	-1.16	1.68
3,922.00	16.00	61.00	3,766.31	454.85	775.92	899.38	1.69	-1.68	0.21
4,018.00	15.70	61.70	3,858.66	467.42	798.93	925.59	0.37	-0.31	0.73
4,114.00	16.20	62.60	3,950.97	479.74	822.25	951.95	0.58	0.52	0.94
4,209.00	16.70	58.70	4,042.08	492.93	845.68	978.84	1.28	0.53	-4.11
4,305.00	14.40	58.50	4,134.56	506.34	867.65	1,004.56	2.40	-2.40	-0.21
4,400.00	13.80	60.00	4,226.70	518.17	887.54	1,027.70	0.74	-0.63	1.58
4,495.00	11.60	66.40	4,319.37	527.67	906.10	1,048.53	2.75	-2.32	6.74
4,591.00	11.00	67.50	4,413.51	535.03	923.41	1,067.21	0.66	-0.63	1.15
4,686.00	10.50	58.90	4,506.85	542.97	939.20	1,084.85	1.77	-0.53	-9.05
4,782.00	8.60	63.50	4,601.52	550.70	953.11	1,100.76	2.13	-1.98	4.79
4,877.00	7.20	67.80	4,695.61	556.12	964.98	1,113.76	1.60	-1.47	4.53
4,973.00	7.10	63.30	4,790.87	561.05	975.85	1,125.64	0.59	-0.10	-4.69
5,068.00	5.60	55.20	4,885.29	566.34	984.90	1,136.12	1.84	-1.58	-8.53
5,164.00	4.00	63.10	4,980.95	570.53	991.74	1,144.13	1.80	-1.67	8.23
5,259.00	3.60	52.00	5,075.74	573.86	997.04	1,150.39	0.88	-0.42	-11.68
5,354.00	2.30	58.30	5,170.61	576.70	1,001.01	1,155.25	1.41	-1.37	6.63
5,450.00	2.10	44.70	5,266.54	578.96	1,003.89	1,158.87	0.58	-0.21	-14.17
5,545.00	1.60	33.40	5,361.49	581.31	1,005.84	1,161.74	0.65	-0.53	-11.89

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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)	
5,641.00	2.80	32.10	5,457.42	584.41	1,007.83	1,165.00	1.25	1.25	-1.35	
5,736.00	1.30	18.90	5,552.36	587.40	1,009.41	1,167.86	1.65	-1.58	-13.89	
5,832.00	1.10	349.20	5,648.34	589.33	1,009.59	1,168.98	0.67	-0.21	-30.94	
5,927.00	1.50	93.20	5,743.32	590.16	1,010.66	1,170.32	2.17	0.42	109.47	
6,023.00	0.60	164.40	5,839.31	589.61	1,012.05	1,171.25	1.48	-0.94	74.17	
6,118.00	0.60	149.10	5,934.30	588.70	1,012.44	1,171.14	0.17	0.00	-16.11	
6,213.00	0.90	93.30	6,029.29	588.23	1,013.44	1,171.77	0.79	0.32	-58.74	
6,309.00	1.20	52.90	6,125.28	588.79	1,014.99	1,173.40	0.81	0.31	-42.08	
6,405.00	1.10	44.20	6,221.26	590.06	1,016.44	1,175.28	0.21	-0.10	-9.06	
6,500.00	0.10	82.20	6,316.25	590.72	1,017.16	1,176.24	1.08	-1.05	40.00	
6,595.00	2.10	351.40	6,411.23	592.46	1,016.98	1,176.95	2.21	2.11	-95.58	
6,691.00	2.20	348.30	6,507.17	596.00	1,016.34	1,178.16	0.16	0.10	-3.23	
6,786.00	1.70	297.30	6,602.12	598.43	1,014.72	1,177.96	1.83	-0.53	-53.68	
6,882.00	1.40	234.90	6,698.09	598.41	1,012.49	1,176.02	1.69	-0.31	-65.00	
6,977.00	3.10	232.50	6,793.01	596.18	1,009.51	1,172.32	1.79	1.79	-2.53	
7,073.00	2.10	243.80	6,888.91	593.82	1,005.87	1,167.99	1.17	-1.04	11.77	
7,168.00	2.00	237.10	6,983.85	592.15	1,002.92	1,164.60	0.27	-0.11	-7.05	
7,264.00	1.90	225.80	7,079.80	590.13	1,000.37	1,161.39	0.41	-0.10	-11.77	
7,358.00	2.40	227.30	7,173.73	587.71	997.80	1,157.96	0.54	0.53	1.60	
7,405.00	2.40	227.30	7,220.69	586.38	996.36	1,156.04	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (ft)	Hole Diameter (ft)
763.50	763.48	9 5/8"		0.80	1.02

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
7,405.00	7,220.69	586.38	996.36	Proj to TD @ 7405' MD	

Checked By: _____	Approved By: _____	Date: _____
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