



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 15 Pad

GGU Federal 43A-29-691

Wellbore #1

Survey: Surveys

Standard Survey Report

21 September, 2010

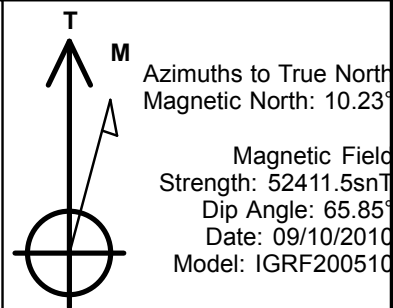
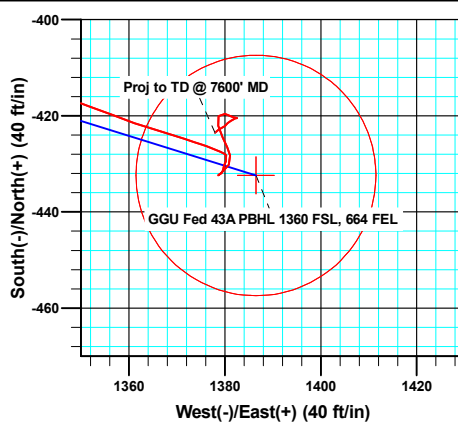
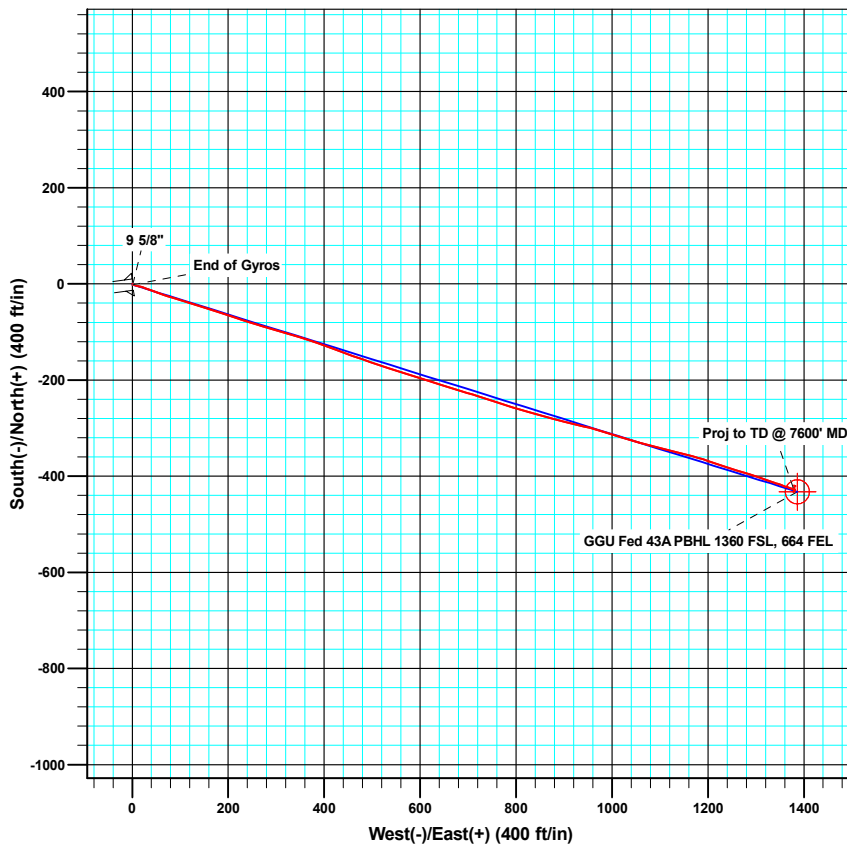
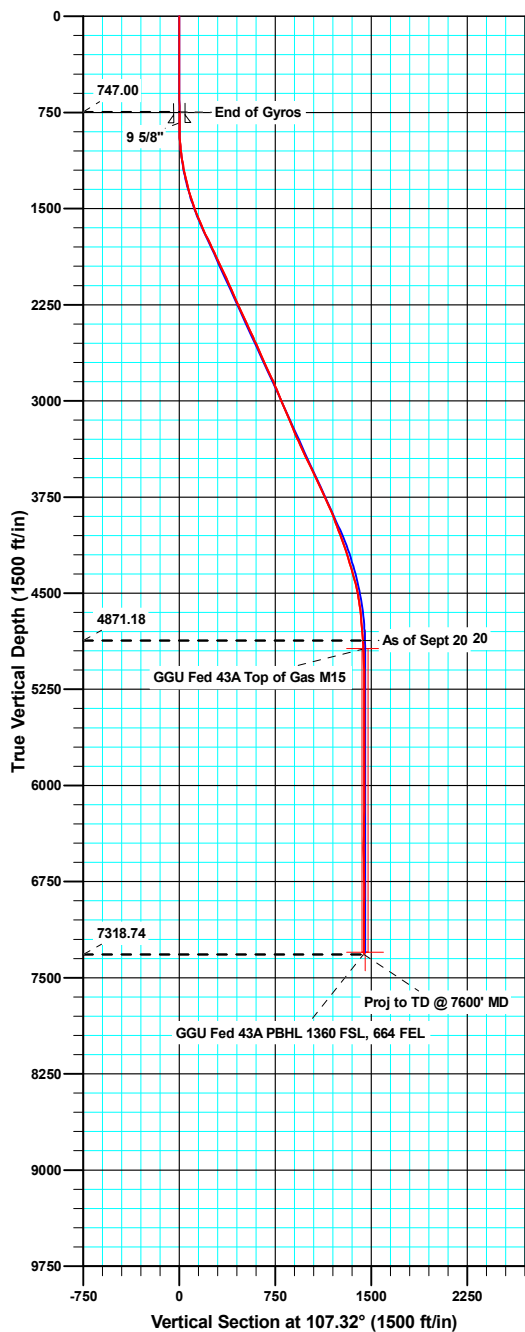




WELL DETAILS: GGU Federal 43A-29-691

Ground Level: 6030.20

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1612471.19 2414306.32 39° 29' 47.90 N 107° 34' 32.35 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
4871.18	5152.00	4.00	108.30	-424.79	1371.66	1435.92	1435.08	As of Sept 20
7318.74	7600.00	1.10	229.10	-423.55	1377.95	1441.56	1475.81	Proj to TD @ 7600' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 43A-29-691	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 15 Pad			
Site Position:		Northing:	1,612,474.12 usft	Latitude:	39° 29' 47.92 N
From:	Lat/Long	Easting:	2,414,257.84 usft	Longitude:	107° 34' 32.97 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well		GGU Federal 43A-29-691				
Well Position	+N/-S	0.00 ft	Northing:	1,612,471.18 usft	Latitude:	39° 29' 47.90 N
	+E/-W	0.00 ft	Easting:	2,414,306.32 usft	Longitude:	107° 34' 32.35 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,030.20 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	09/10/10	10.24	65.85	52,411

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	107.32	

Survey Program	Date	09/21/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	747.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
879.00	7,600.00	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)	
747.00	0.09	65.89	747.00	-1.66	1.15	1.59	0.00	0.00	0.00	
830.80	0.29	82.66	830.80	-1.61	1.42	1.83	0.24	0.23	20.01	
9 5/8"										
879.00	0.40	84.80	878.99	-1.58	1.71	2.10	0.24	0.24	4.44	
971.00	4.00	105.30	970.91	-2.40	5.12	5.60	3.94	3.91	22.28	
1,063.00	7.30	104.40	1,062.45	-4.70	13.88	14.65	3.59	3.59	-0.98	
1,158.00	9.70	109.40	1,156.40	-8.86	27.28	28.68	2.64	2.53	5.26	
1,253.00	12.50	109.80	1,249.62	-15.00	44.50	46.95	2.95	2.95	0.42	
1,348.00	15.30	109.40	1,341.83	-22.65	66.00	69.75	2.95	2.95	-0.42	
1,444.00	17.80	107.20	1,433.84	-31.19	91.97	97.09	2.68	2.60	-2.29	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 43A-29-691	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)
1,539.00	20.70	107.30	1,523.52	-40.48	121.88	128.40	3.05	3.05	0.11
1,633.00	23.50	107.40	1,610.61	-51.03	155.63	163.77	2.98	2.98	0.11
1,729.00	25.20	107.80	1,698.06	-63.00	193.36	203.35	1.78	1.77	0.42
1,824.00	26.70	108.00	1,783.48	-75.78	232.91	244.91	1.58	1.58	0.21
1,919.00	24.60	106.40	1,869.12	-87.96	272.19	286.03	2.33	-2.21	-1.68
2,014.00	25.40	106.80	1,955.22	-99.43	310.66	326.17	0.86	0.84	0.42
2,109.00	24.80	106.90	2,041.24	-111.11	349.23	366.47	0.63	-0.63	0.11
2,204.00	23.60	109.00	2,127.90	-123.10	386.27	405.41	1.55	-1.26	2.21
2,299.00	24.20	110.20	2,214.75	-136.01	422.53	443.86	0.81	0.63	1.26
2,394.00	25.00	110.30	2,301.13	-149.70	459.63	483.36	0.84	0.84	0.11
2,489.00	24.30	108.30	2,387.47	-162.80	497.02	522.95	1.15	-0.74	-2.11
2,584.00	25.50	108.10	2,473.64	-175.29	535.01	562.94	1.27	1.26	-0.21
2,679.00	23.30	107.60	2,560.15	-187.33	572.37	602.18	2.33	-2.32	-0.53
2,774.00	24.00	107.70	2,647.17	-198.88	608.68	640.29	0.74	0.74	0.11
2,870.00	24.60	107.40	2,734.66	-210.80	646.35	679.80	0.64	0.63	-0.31
2,965.00	25.60	106.80	2,820.69	-222.64	684.86	720.09	1.09	1.05	-0.63
3,060.00	22.90	107.80	2,907.30	-234.23	722.12	759.11	2.87	-2.84	1.05
3,155.00	22.70	107.70	2,994.88	-245.45	757.18	795.92	0.21	-0.21	-0.11
3,250.00	22.60	106.30	3,082.55	-256.15	792.16	832.50	0.58	-0.11	-1.47
3,345.00	22.40	106.30	3,170.32	-266.35	827.06	868.85	0.21	-0.21	0.00
3,440.00	23.50	105.70	3,257.80	-276.56	862.67	905.88	1.18	1.16	-0.63
3,535.00	25.40	104.10	3,344.28	-286.64	900.66	945.16	2.12	2.00	-1.68
3,631.00	26.00	103.00	3,430.78	-296.39	941.14	986.70	0.80	0.63	-1.15
3,726.00	25.50	107.80	3,516.36	-307.33	980.90	1,027.92	2.26	-0.53	5.05
3,821.00	25.00	106.70	3,602.28	-319.35	1,019.60	1,068.44	0.72	-0.53	-1.16
3,916.00	25.20	105.20	3,688.31	-330.42	1,058.34	1,108.72	0.70	0.21	-1.58
4,011.00	24.40	104.30	3,774.55	-340.57	1,096.88	1,148.53	0.93	-0.84	-0.95
4,106.00	22.80	104.20	3,861.60	-349.93	1,133.74	1,186.51	1.68	-1.68	-0.11
4,201.00	21.20	104.20	3,949.68	-358.66	1,168.24	1,222.04	1.68	-1.68	0.00
4,296.00	20.10	109.10	4,038.58	-368.22	1,200.32	1,255.51	2.16	-1.16	5.16
4,391.00	19.30	107.60	4,128.02	-378.31	1,230.71	1,287.53	1.00	-0.84	-1.58
4,486.00	17.70	107.70	4,218.11	-387.45	1,259.43	1,317.67	1.68	-1.68	0.11
4,581.00	16.50	107.40	4,308.91	-395.87	1,286.06	1,345.60	1.27	-1.26	-0.32
4,676.00	14.80	108.90	4,400.38	-403.84	1,310.42	1,371.23	1.84	-1.79	1.58
4,772.00	11.30	109.40	4,493.89	-410.94	1,330.90	1,392.89	3.65	-3.65	0.52
4,867.00	7.80	107.90	4,587.56	-416.01	1,345.81	1,408.64	3.69	-3.68	-1.58
4,962.00	6.20	111.40	4,681.85	-419.86	1,356.73	1,420.21	1.74	-1.68	3.68
5,057.00	4.40	106.00	4,776.44	-422.74	1,365.01	1,428.97	1.96	-1.89	-5.68
5,152.00	4.00	108.30	4,871.18	-424.79	1,371.66	1,435.92	0.46	-0.42	2.42
5,247.00	1.80	109.70	4,966.05	-426.33	1,376.21	1,440.73	2.32	-2.32	1.47
5,342.00	1.90	113.50	5,061.01	-427.46	1,379.06	1,443.78	0.17	0.11	4.00
5,437.00	0.30	235.80	5,155.99	-428.23	1,380.29	1,445.19	2.19	-1.68	128.74
5,532.00	0.40	160.30	5,250.99	-428.68	1,380.20	1,445.24	0.46	0.11	-79.47

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 43A-29-691	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)	
5,627.00	0.50	189.50	5,345.98	-429.40	1,380.24	1,445.50	0.26	0.11	30.74	
5,722.00	0.40	220.20	5,440.98	-430.06	1,379.96	1,445.42	0.27	-0.11	32.32	
5,817.00	0.40	178.90	5,535.98	-430.65	1,379.75	1,445.40	0.30	0.00	-43.47	
5,912.00	0.40	199.20	5,630.98	-431.29	1,379.65	1,445.49	0.15	0.00	21.37	
6,007.00	0.40	217.70	5,725.98	-431.87	1,379.34	1,445.37	0.14	0.00	19.47	
6,102.00	0.70	245.60	5,820.97	-432.37	1,378.61	1,444.82	0.41	0.32	29.37	
6,198.00	1.60	58.40	5,916.96	-431.91	1,379.22	1,445.26	2.39	0.94	180.00	
6,293.00	1.40	25.40	6,011.93	-430.17	1,380.84	1,446.29	0.92	-0.21	-34.74	
6,388.00	1.10	345.30	6,106.91	-428.24	1,381.11	1,445.97	0.95	-0.32	-42.21	
6,483.00	1.10	334.20	6,201.89	-426.53	1,380.48	1,444.87	0.22	0.00	-11.68	
6,578.00	1.60	338.20	6,296.87	-424.48	1,379.59	1,443.41	0.54	0.53	4.21	
6,673.00	1.60	339.30	6,391.83	-422.01	1,378.63	1,441.75	0.03	0.00	1.16	
6,768.00	1.10	34.90	6,486.81	-420.02	1,378.68	1,441.21	1.40	-0.53	58.53	
6,863.00	1.10	108.90	6,581.79	-419.57	1,380.07	1,442.40	1.39	0.00	77.89	
6,959.00	1.00	113.90	6,677.78	-420.21	1,381.71	1,444.15	0.14	-0.10	5.21	
7,054.00	0.20	47.90	6,772.77	-420.43	1,382.59	1,445.06	0.99	-0.84	-69.47	
7,149.00	0.70	248.10	6,867.77	-420.54	1,382.17	1,444.70	0.94	0.53	-168.21	
7,244.00	0.60	237.60	6,962.76	-421.02	1,381.21	1,443.92	0.16	-0.11	-11.05	
7,339.00	0.40	220.70	7,057.76	-421.54	1,380.58	1,443.47	0.26	-0.21	-17.79	
7,434.00	0.60	222.50	7,152.76	-422.15	1,380.02	1,443.13	0.21	0.21	1.89	
7,529.00	0.90	251.40	7,247.75	-422.76	1,378.98	1,442.31	0.50	0.32	30.42	
7,555.00	1.10	229.10	7,273.74	-422.99	1,378.60	1,442.02	1.67	0.77	-85.77	
7,600.00	1.10	229.10	7,318.74	-423.55	1,377.95	1,441.56	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)	
830.80	830.80	9 5/8"	0.80	1.02	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
5,152.00	4,871.18	-424.79	1,371.66	As of Sept 20	
7,600.00	7,318.74	-423.55	1,377.95	Proj to TD @ 7600' MD	

Checked By: _____ Approved By: _____ Date: _____