



Bill Barrett Corp.

Garfield County, Colorado

MDP 15 Pad

GGU Federal 34B-29-691

Wellbore #1

Survey: Surveys

Standard Survey Report

20 October, 2010

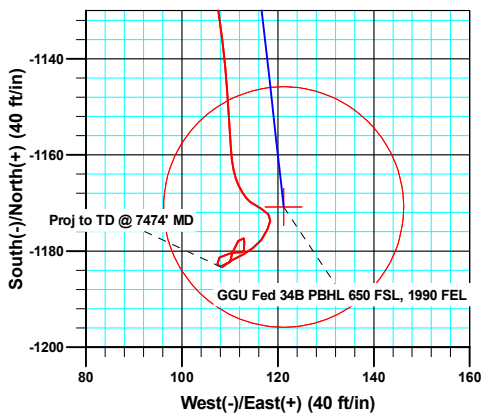
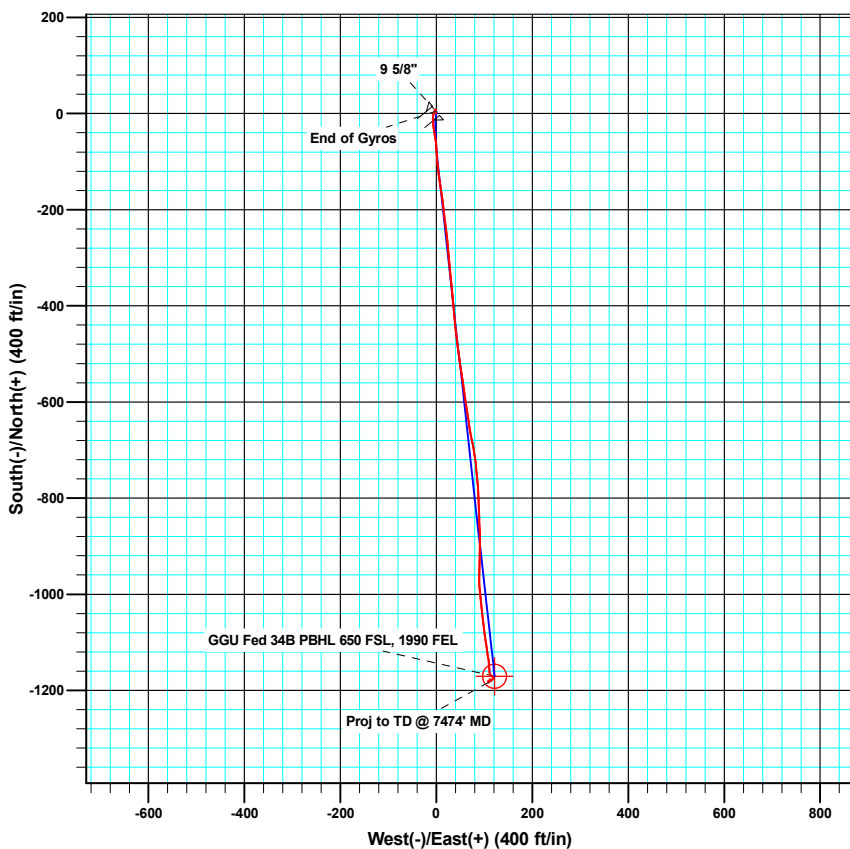
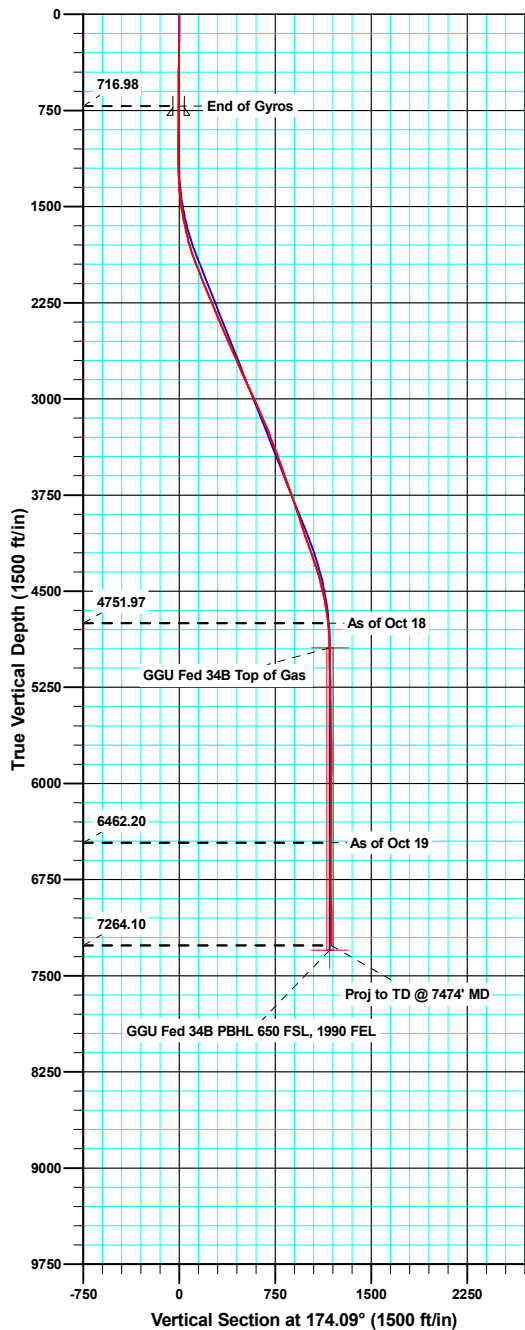




WELL DETAILS: GGU Federal 34B-29-691

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 1612474.12 2414257.83 39° 29' 47.92 N 107° 34' 32.97 W



Azimuths to True North
 Magnetic North: 10.23°

Magnetic Field
 Strength: 52411.5snT
 Dip Angle: 65.85°
 Date: 09/10/2010
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
4751.97	4961.00	6.10	176.30	-1158.60	110.22	1163.79	1181.97	As of Oct 18
6462.20	6672.00	0.30	345.50	-1179.60	112.92	1184.96	1225.42	As of Oct 19
7264.10	7474.00	0.40	220.50	-1183.34	108.23	1188.19	1236.57	Proj to TD @ 7474' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 34B-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 34B-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 34B-29-691				
Well Position	+N/-S	0.00 ft	Northing:	1,612,474.11 usft	Latitude:	39° 29' 47.92 N
	+E/-W	0.00 ft	Easting:	2,414,257.84 usft	Longitude:	107° 34' 32.97 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	174.09	

Survey Program	Date	10/20/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	717.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
875.00	7,474.00	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)	
717.00	0.30	142.93	716.98	5.18	-0.73	-5.23	0.00	0.00	0.00	
875.00	0.50	6.30	874.98	5.54	-0.41	-5.55	0.47	0.13	-86.47	
967.00	0.90	354.60	966.97	6.65	-0.43	-6.66	0.46	0.43	-12.72	
1,062.00	1.10	347.00	1,061.95	8.28	-0.71	-8.31	0.25	0.21	-8.00	
1,157.00	1.50	228.60	1,156.94	8.35	-1.85	-8.50	2.36	0.42	-124.63	
1,252.00	3.30	208.60	1,251.86	5.13	-4.09	-5.52	2.06	1.89	-21.05	
1,347.00	4.70	187.30	1,346.63	-1.13	-5.89	0.52	2.13	1.47	-22.42	
1,443.00	6.80	186.30	1,442.14	-10.69	-7.02	9.91	2.19	2.19	-1.04	
1,538.00	9.40	174.10	1,536.19	-24.00	-6.84	23.16	3.27	2.74	-12.84	
1,633.00	11.30	167.50	1,629.64	-40.80	-4.02	40.17	2.35	2.00	-6.95	

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Well:	GGU Federal 34B-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)
1,728.00	13.40	173.50	1,722.44	-60.83	-0.76	60.43	2.59	2.21	6.32
1,823.00	16.20	177.80	1,814.28	-85.01	0.99	84.66	3.16	2.95	4.53
1,918.00	20.40	173.40	1,904.46	-114.72	3.41	114.46	4.65	4.42	-4.63
2,013.00	21.90	171.40	1,993.06	-148.69	7.96	148.71	1.75	1.58	-2.11
2,108.00	22.10	172.00	2,081.15	-183.90	13.10	184.27	0.32	0.21	0.63
2,203.00	22.30	173.10	2,169.10	-219.49	17.75	220.15	0.49	0.21	1.16
2,298.00	22.70	173.90	2,256.87	-255.61	21.86	256.50	0.53	0.42	0.84
2,393.00	23.20	174.80	2,344.35	-292.47	25.50	293.55	0.64	0.53	0.95
2,487.00	23.50	174.60	2,430.65	-329.57	28.95	330.80	0.33	0.32	-0.21
2,583.00	23.40	175.20	2,518.73	-367.62	32.34	369.00	0.27	-0.10	0.63
2,677.00	23.60	174.20	2,604.93	-404.94	35.81	406.48	0.47	0.21	-1.06
2,773.00	23.50	174.30	2,692.93	-443.11	39.65	444.83	0.11	-0.10	0.10
2,869.00	24.10	172.70	2,780.77	-481.59	44.04	483.57	0.92	0.63	-1.67
2,964.00	24.70	171.40	2,867.29	-520.46	49.47	522.79	0.85	0.63	-1.37
3,059.00	24.70	172.10	2,953.59	-559.74	55.17	562.45	0.31	0.00	0.74
3,154.00	24.30	171.40	3,040.04	-598.73	60.82	601.81	0.52	-0.42	-0.74
3,249.00	23.60	172.20	3,126.86	-636.90	66.32	640.34	0.81	-0.74	0.84
3,344.00	23.10	168.30	3,214.09	-673.99	72.69	677.89	1.71	-0.53	-4.11
3,439.00	21.30	170.30	3,302.04	-709.25	79.37	713.66	2.05	-1.89	2.11
3,534.00	20.90	175.50	3,390.68	-743.16	83.61	747.82	2.01	-0.42	5.47
3,630.00	19.20	174.90	3,480.86	-775.95	86.36	780.72	1.78	-1.77	-0.63
3,725.00	19.20	178.40	3,570.58	-807.13	88.18	811.92	1.21	0.00	3.68
3,820.00	21.20	177.80	3,659.73	-839.91	89.28	844.64	2.12	2.11	-0.63
3,915.00	18.50	178.90	3,749.08	-872.15	90.23	876.81	2.87	-2.84	1.16
4,010.00	20.00	179.60	3,838.76	-903.47	90.63	908.00	1.60	1.58	0.74
4,105.00	18.40	182.80	3,928.48	-934.69	90.01	938.99	2.02	-1.68	3.37
4,200.00	17.40	180.60	4,018.88	-963.87	89.13	967.93	1.27	-1.05	-2.32
4,295.00	19.60	174.10	4,108.97	-993.93	90.62	997.98	3.17	2.32	-6.84
4,390.00	20.20	173.80	4,198.30	-1,026.09	94.03	1,030.31	0.64	0.63	-0.32
4,485.00	17.70	172.90	4,288.15	-1,056.73	97.58	1,061.16	2.65	-2.63	-0.95
4,580.00	16.60	173.20	4,378.92	-1,084.53	100.98	1,089.17	1.16	-1.16	0.32
4,676.00	14.00	171.00	4,471.51	-1,109.63	104.42	1,114.48	2.77	-2.71	-2.29
4,771.00	11.30	171.40	4,564.20	-1,130.18	107.61	1,135.25	2.84	-2.84	0.42
4,866.00	8.60	176.40	4,657.76	-1,146.48	109.44	1,151.65	2.98	-2.84	5.26
4,961.00	6.10	176.30	4,751.97	-1,158.60	110.22	1,163.79	2.63	-2.63	-0.11
5,056.00	3.50	154.60	4,846.64	-1,166.26	111.79	1,171.57	3.29	-2.74	-22.84
5,151.00	1.80	125.50	4,941.54	-1,169.75	114.25	1,175.30	2.23	-1.79	-30.63
5,246.00	1.40	118.30	5,036.50	-1,171.17	116.48	1,176.93	0.47	-0.42	-7.58
5,341.00	1.00	138.30	5,131.48	-1,172.33	118.06	1,178.26	0.60	-0.42	21.05
5,436.00	0.90	195.70	5,226.47	-1,173.67	118.40	1,179.63	0.96	-0.11	60.42
5,531.00	1.40	198.60	5,321.45	-1,175.49	117.83	1,181.38	0.53	0.53	3.05
5,626.00	1.70	220.70	5,416.41	-1,177.66	116.54	1,183.40	0.70	0.32	23.26
5,721.00	1.20	231.80	5,511.38	-1,179.34	114.84	1,184.90	0.60	-0.53	11.68

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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)
5,816.00	1.70	240.50	5,606.35	-1,180.65	112.83	1,185.99	0.57	0.53	9.16
5,911.00	1.80	244.40	5,701.31	-1,181.99	110.26	1,187.06	0.16	0.11	4.11
6,006.00	0.90	212.90	5,796.28	-1,183.26	108.51	1,188.14	1.19	-0.95	-33.16
6,101.00	1.50	322.70	5,891.27	-1,182.90	107.35	1,187.66	2.10	0.63	115.58
6,197.00	1.60	64.70	5,987.25	-1,181.33	107.80	1,186.15	2.51	0.10	106.25
6,292.00	1.10	76.30	6,082.22	-1,180.54	109.89	1,185.58	0.60	-0.53	12.21
6,387.00	0.70	88.80	6,177.21	-1,180.31	111.35	1,185.51	0.47	-0.42	13.16
6,482.00	0.50	88.80	6,272.21	-1,180.29	112.35	1,185.59	0.21	-0.21	0.00
6,577.00	0.30	26.70	6,367.20	-1,180.06	112.88	1,185.41	0.47	-0.21	-65.37
6,672.00	0.30	345.50	6,462.20	-1,179.60	112.92	1,184.96	0.22	0.00	-43.37
6,767.00	0.40	18.50	6,557.20	-1,179.04	112.97	1,184.41	0.23	0.11	34.74
6,862.00	0.70	357.90	6,652.20	-1,178.15	113.05	1,183.53	0.37	0.32	-21.68
6,958.00	0.30	330.00	6,748.19	-1,177.35	112.90	1,182.71	0.48	-0.42	-29.06
7,053.00	1.50	234.70	6,843.18	-1,177.85	111.77	1,183.10	1.64	1.26	-100.32
7,148.00	2.10	186.10	6,938.14	-1,180.30	110.57	1,185.41	1.66	0.63	-51.16
7,243.00	0.50	231.50	7,033.11	-1,182.29	110.06	1,187.34	1.88	-1.68	47.79
7,338.00	0.70	254.00	7,128.11	-1,182.71	109.17	1,187.66	0.32	0.21	23.68
7,429.00	0.40	220.50	7,219.10	-1,183.10	108.43	1,187.98	0.47	-0.33	-36.81
7,474.00	0.40	220.50	7,264.10	-1,183.34	108.23	1,188.19	0.00	0.00	0.00

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,961.00	4,751.97	-1,158.60	110.22	As of Oct 18
6,672.00	6,462.20	-1,179.60	112.92	As of Oct 19
7,474.00	7,264.10	-1,183.34	108.23	Proj to TD @ 7474' MD

Checked By: _____ Approved By: _____ Date: _____