



Bill Barrett Corp.

Garfield County, Colorado

MDP 15 Pad

GGU Federal 34D-29-691

Wellbore #1

Survey: Surveys

Standard Survey Report

14 October, 2010

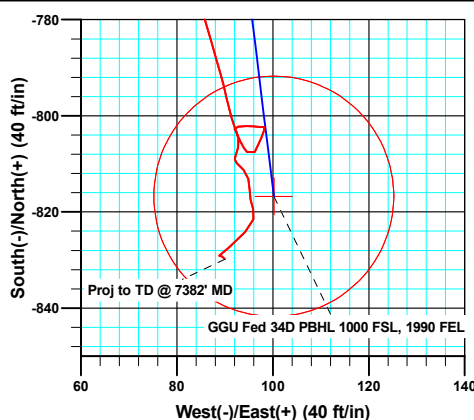
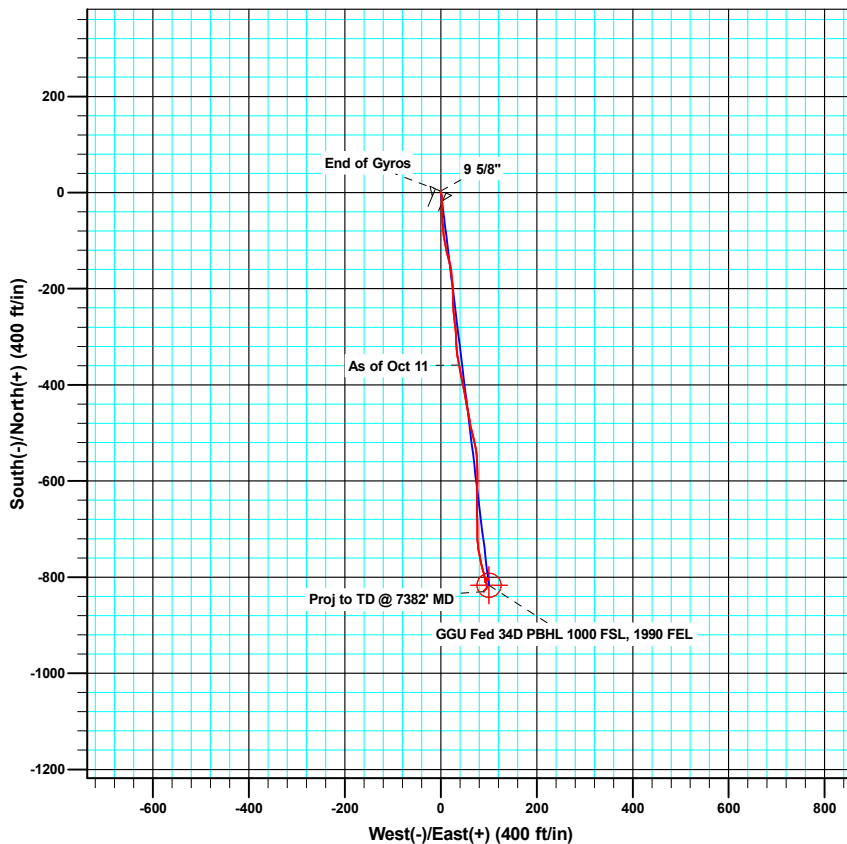
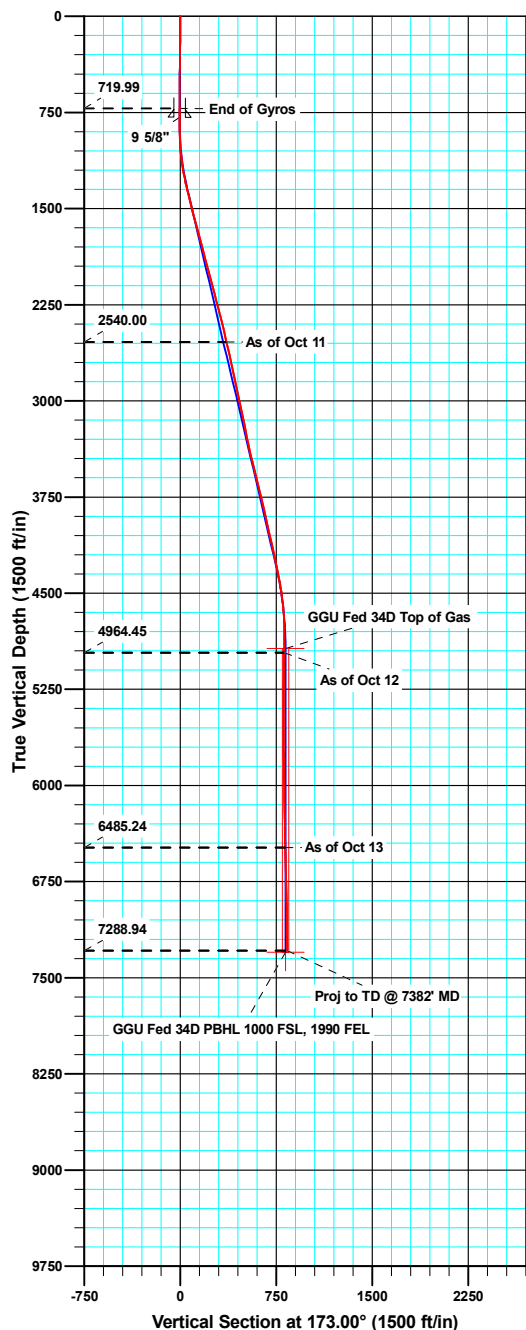




WELL DETAILS: GGU Federal 34D-29-691

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 1612469.74 2414273.26 39° 29' 47.88 N 107° 34' 32.77 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
2540.00	2584.00	13.00	169.80	-358.55	38.14	360.52	368.25	As of Oct 11
4964.45	5057.00	0.80	26.50	-805.84	97.06	811.66	828.13	As of Oct 12
6485.24	6578.00	1.50	177.00	-815.31	95.15	820.83	853.10	As of Oct 13
7288.94	7382.00	0.40	133.00	-829.80	90.07	834.60	871.91	Proj to TD @ 7382' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 34D-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 34D-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 34D-29-691					
Well Position	+N/-S	0.00 ft	Northing:	1,612,469.74 usft	Latitude:	39° 29' 47.88 N
	+E/-W	0.00 ft	Easting:	2,414,273.26 usft	Longitude:	107° 34' 32.77 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	173.00	

Survey Program	Date	10/14/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	720.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
876.00	7,382.00	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)	
720.00	0.01	177.33	719.99	3.53	-0.39	-3.55	0.00	0.00	0.00	
876.00	0.70	22.30	875.98	4.40	-0.03	-4.37	0.45	0.44	-99.38	
968.00	2.60	178.90	967.96	2.83	0.22	-2.78	3.54	2.07	170.22	
1,063.00	5.90	168.10	1,062.68	-4.11	1.27	4.23	3.56	3.47	-11.37	
1,158.00	8.50	181.30	1,156.93	-15.90	2.12	16.04	3.23	2.74	13.89	
1,254.00	11.10	181.50	1,251.52	-32.24	1.71	32.21	2.71	2.71	0.21	
1,349.00	13.70	173.40	1,344.31	-52.56	2.77	52.51	3.29	2.74	-8.53	
1,444.00	13.60	177.30	1,436.62	-74.89	4.59	74.89	0.97	-0.11	4.11	
1,539.00	14.80	169.30	1,528.73	-97.98	7.37	98.14	2.42	1.26	-8.42	
1,634.00	15.20	167.70	1,620.49	-122.07	12.27	122.65	0.61	0.42	-1.68	

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Well:	GGU Federal 34D-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)
1,729.00	14.80	165.20	1,712.26	-145.97	18.03	147.08	0.80	-0.42	-2.63
1,824.00	15.00	174.10	1,804.07	-169.93	22.39	171.39	2.42	0.21	9.37
1,919.00	15.30	175.00	1,895.77	-194.64	24.75	196.21	0.40	0.32	0.95
2,014.00	14.50	182.10	1,987.58	-219.02	25.40	220.48	2.10	-0.84	7.47
2,109.00	15.00	174.70	2,079.46	-243.15	26.10	244.52	2.05	0.53	-7.79
2,204.00	15.20	173.50	2,171.18	-267.76	28.65	269.26	0.39	0.21	-1.26
2,299.00	14.10	175.90	2,263.09	-291.68	30.88	293.27	1.32	-1.16	2.53
2,394.00	14.50	178.20	2,355.15	-315.11	32.09	316.67	0.73	0.42	2.42
2,489.00	13.00	169.80	2,447.43	-337.52	34.35	339.19	2.62	-1.58	-8.84
2,584.00	13.00	169.80	2,540.00	-358.55	38.14	360.52	0.00	0.00	0.00
2,679.00	13.40	168.70	2,632.49	-379.86	42.19	382.17	0.50	0.42	-1.16
2,775.00	12.10	168.40	2,726.12	-400.63	46.39	403.29	1.36	-1.35	-0.31
2,870.00	12.00	171.10	2,819.03	-420.14	49.92	423.09	0.60	-0.11	2.84
2,965.00	12.10	169.80	2,911.93	-439.69	53.21	442.90	0.30	0.11	-1.37
3,060.00	11.90	168.50	3,004.86	-459.09	56.93	462.61	0.35	-0.21	-1.37
3,155.00	11.80	170.40	3,097.83	-478.27	60.50	482.07	0.42	-0.11	2.00
3,250.00	12.00	165.30	3,190.80	-497.40	64.62	501.56	1.13	0.21	-5.37
3,345.00	11.50	166.00	3,283.80	-516.14	69.42	520.75	0.55	-0.53	0.74
3,440.00	13.10	171.50	3,376.62	-535.98	73.30	540.91	2.09	1.68	5.79
3,536.00	14.10	178.00	3,469.94	-558.42	75.32	563.44	1.90	1.04	6.77
3,631.00	13.80	178.80	3,562.13	-581.32	75.96	586.24	0.38	-0.32	0.84
3,726.00	13.70	182.20	3,654.41	-603.89	75.77	608.62	0.86	-0.11	3.58
3,821.00	13.30	180.60	3,746.79	-626.05	75.22	630.56	0.58	-0.42	-1.68
3,916.00	12.40	179.70	3,839.41	-647.18	75.16	651.52	0.97	-0.95	-0.95
4,011.00	13.40	179.50	3,932.01	-668.39	75.31	672.59	1.05	1.05	-0.21
4,106.00	12.70	178.50	4,024.56	-689.84	75.68	693.92	0.77	-0.74	-1.05
4,201.00	13.20	180.70	4,117.14	-711.12	75.82	715.06	0.74	0.53	2.32
4,296.00	12.20	173.00	4,209.82	-731.93	76.91	735.85	2.07	-1.05	-8.11
4,391.00	11.30	169.90	4,302.83	-751.06	79.77	755.18	1.16	-0.95	-3.26
4,486.00	10.80	168.10	4,396.07	-768.93	83.23	773.34	0.64	-0.53	-1.89
4,582.00	8.70	163.00	4,490.68	-784.68	87.21	789.46	2.36	-2.19	-5.31
4,677.00	5.60	167.60	4,584.93	-796.08	90.31	801.15	3.32	-3.26	4.84
4,772.00	3.80	158.60	4,679.61	-803.54	92.45	808.82	2.04	-1.89	-9.47
4,867.00	1.80	136.90	4,774.49	-807.56	94.62	813.07	2.35	-2.11	-22.84
4,962.00	1.50	26.90	4,869.47	-807.54	96.20	813.24	2.85	-0.32	-115.79
5,057.00	0.80	26.50	4,964.45	-805.84	97.06	811.66	0.74	-0.74	-0.42
5,152.00	0.90	22.50	5,059.44	-804.55	97.64	810.46	0.12	0.11	-4.21
5,247.00	1.00	18.40	5,154.43	-803.08	98.19	809.06	0.13	0.11	-4.32
5,342.00	0.30	259.10	5,249.42	-802.34	98.21	808.33	1.24	-0.74	-125.58
5,437.00	0.70	276.50	5,344.42	-802.32	97.39	808.21	0.45	0.42	18.32
5,532.00	0.90	274.50	5,439.41	-802.20	96.07	807.92	0.21	0.21	-2.11
5,627.00	1.00	271.60	5,534.40	-802.11	94.49	807.65	0.12	0.11	-3.05
5,722.00	1.10	259.50	5,629.38	-802.26	92.77	807.58	0.26	0.11	-12.74

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5,818.00	0.40	141.60	5,725.37	-802.69	92.07	807.93	1.39	-0.73	-122.81	
5,912.00	0.70	157.10	5,819.37	-803.47	92.50	808.76	0.35	0.32	16.49	
6,008.00	1.00	173.80	5,915.36	-804.85	92.82	810.16	0.40	0.31	17.40	
6,103.00	1.10	187.70	6,010.34	-806.58	92.78	811.87	0.29	0.11	14.63	
6,198.00	1.10	206.70	6,105.33	-808.29	92.25	813.51	0.38	0.00	20.00	
6,293.00	1.10	136.90	6,200.31	-809.77	92.47	815.01	1.32	0.00	-73.47	
6,388.00	1.40	136.20	6,295.29	-811.28	93.89	816.67	0.32	0.32	-0.74	
6,483.00	1.20	168.60	6,390.27	-813.09	94.89	818.59	0.79	-0.21	34.11	
6,578.00	1.50	177.00	6,485.24	-815.31	95.15	820.83	0.38	0.32	8.84	
6,674.00	1.10	172.30	6,581.22	-817.47	95.34	823.00	0.43	-0.42	-4.90	
6,768.00	1.30	154.80	6,675.20	-819.33	95.92	824.92	0.44	0.21	-18.62	
6,864.00	1.50	198.20	6,771.17	-821.51	95.99	827.09	1.10	0.21	45.21	
6,959.00	2.40	221.70	6,866.11	-824.18	94.28	829.53	1.25	0.95	24.74	
7,054.00	3.30	231.00	6,961.00	-827.39	90.83	832.29	1.06	0.95	9.79	
7,149.00	0.20	80.60	7,055.95	-829.08	88.87	833.73	3.66	-3.26	-158.32	
7,244.00	0.40	118.70	7,150.95	-829.21	89.32	833.92	0.29	0.21	40.11	
7,337.00	0.40	133.00	7,243.94	-829.59	89.84	834.35	0.11	0.00	15.38	
7,382.00	0.40	133.00	7,288.94	-829.80	90.07	834.60	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
2,584.00	2,540.00	-358.55	38.14	As of Oct 11	
5,057.00	4,964.45	-805.84	97.06	As of Oct 12	
6,578.00	6,485.24	-815.31	95.15	As of Oct 13	
7,382.00	7,288.94	-829.80	90.07	Proj to TD @ 7382' MD	

Checked By: _____ Approved By: _____ Date: _____