

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Scott 41C-36-692 Pad (Sec.30-T6S-R91W)

GGU 14C-30-691

Wellbore #1

Design: Wellbore #1

Standard Survey Report

18 April, 2012

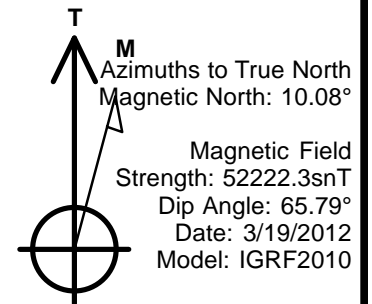
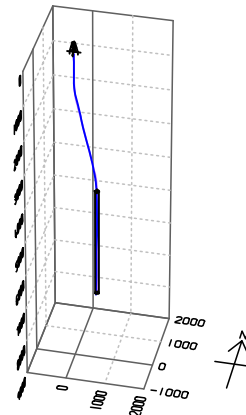
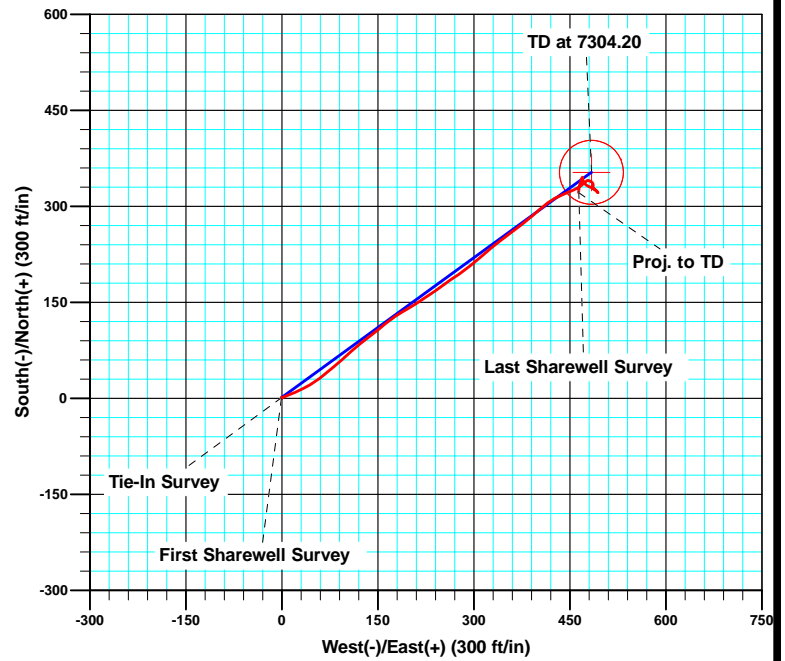
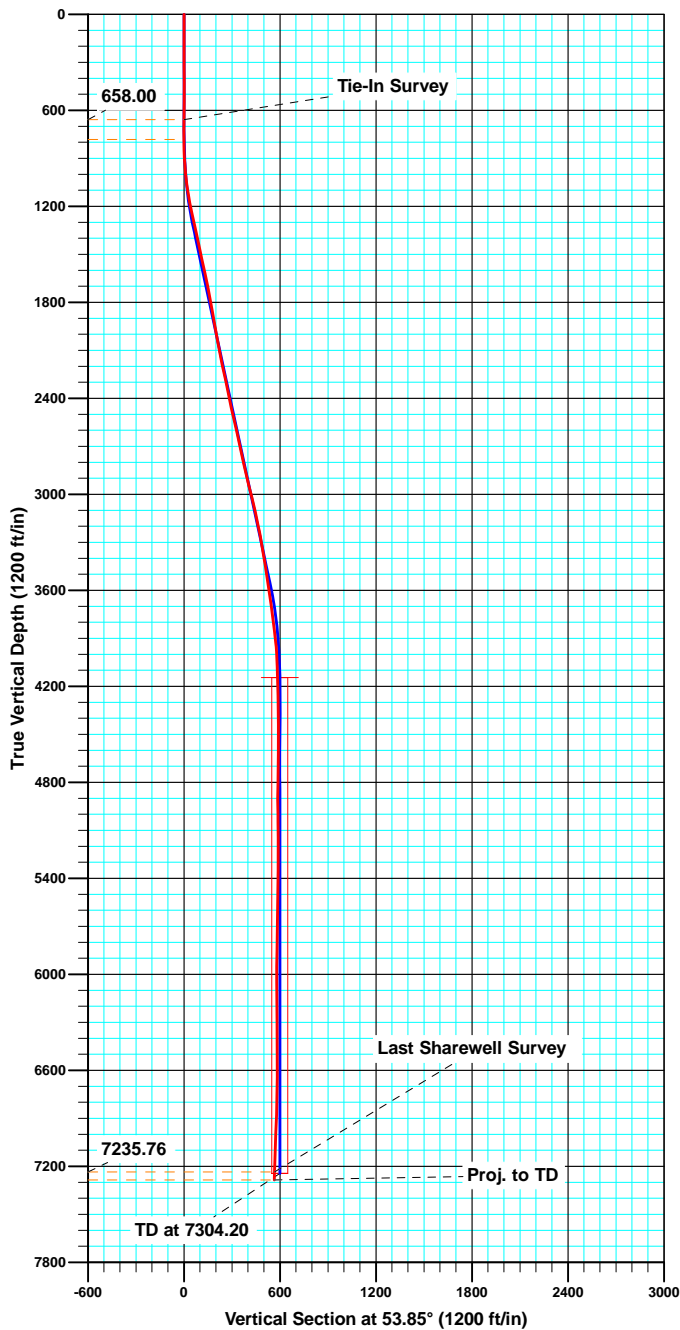


WELL DETAILS: GGU 14C-30-691

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone

Ground Level: 5922.01

+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1611122.64 2405906.21 39° 29' 32.67 N 107° 36' 19.08 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
658.00	658.00	0.330	241.44	1.67	0.06	1.04	2.92	Tie-In Survey
782.99	783.00	0.700	237.50	1.09	-0.90	-0.08	4.05	First Sharewell Survey
7235.76	7294.01	3.100	185.20	324.59	463.97	566.11	686.23	Last Sharewell Survey
7285.68	7344.01	3.100	185.20	321.89	463.72	564.33	688.94	Proj. to TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU 14C-30-691
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5945.01ft
Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.01ft
Well:	GGU 14C-30-691	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

Project	Garfield Co., CO (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)				
Site Position:		Northing:	1,611,121.74 usft	Latitude:	39° 29' 32.67 N
From:	Lat/Long	Easting:	2,405,929.90 usft	Longitude:	107° 36' 18.78 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.33 °

Well	GGU 14C-30-691					
Well Position	+N/-S	0.00 ft	Northing:	1,611,122.64 usft	Latitude:	39° 29' 32.67 N
	+E/-W	0.00 ft	Easting:	2,405,906.21 usft	Longitude:	107° 36' 19.08 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,922.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/19/2012	10.08	65.79	52,222

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	53.85	

Survey Program	Date	4/18/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.00	658.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	
658.00	7,344.01	Survey #2 (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)	
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	0.370	339.29	123.00	0.37	-0.14	0.11	0.30	0.30	0.00	
223.00	0.360	28.37	223.00	0.95	-0.11	0.48	0.30	-0.01	49.08	
323.00	0.410	355.35	323.00	1.58	0.01	0.95	0.22	0.05	-33.02	
423.00	0.140	87.22	423.00	1.95	0.11	1.23	0.44	-0.27	91.87	
523.00	0.200	224.07	523.00	1.83	0.11	1.16	0.32	0.06	136.85	
623.00	0.140	83.98	623.00	1.71	0.11	1.10	0.32	-0.06	-140.09	
658.00	0.330	241.44	658.00	1.67	0.06	1.04	1.32	0.54	449.88	
783.00	0.700	237.50	782.99	1.09	-0.90	-0.08	0.30	0.30	-3.15	
876.00	2.600	71.60	875.96	1.45	0.63	1.36	3.53	2.04	-178.39	

Sharewell

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Site:	Scott 41C-36-692 Pad (Sec.30-T6S-R91W)	MD Reference:	WELL @ 5945.01ft
Well:	GGU 14C-30-691	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	CompassVM

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)
967.00	5.400	66.20	966.73	3.83	6.50	7.51	3.10	3.08	-5.93
1,062.00	7.600	69.00	1,061.12	7.88	16.46	17.94	2.34	2.32	2.95
1,157.00	10.300	63.70	1,154.95	13.90	29.94	32.38	2.97	2.84	-5.58
1,253.00	12.300	59.20	1,249.09	22.94	46.42	51.02	2.28	2.08	-4.69
1,348.00	12.400	50.90	1,341.90	34.55	63.03	71.28	1.87	0.11	-8.74
1,443.00	12.200	50.20	1,434.72	47.41	78.66	91.48	0.26	-0.21	-0.74
1,538.00	12.100	47.30	1,527.59	60.59	93.69	111.39	0.65	-0.11	-3.05
1,633.00	11.900	49.20	1,620.52	73.74	108.42	131.05	0.47	-0.21	2.00
1,728.00	11.100	51.50	1,713.61	85.84	122.99	149.95	0.97	-0.84	2.42
1,823.00	10.900	51.50	1,806.86	97.12	137.18	168.06	0.21	-0.21	0.00
1,918.00	10.400	52.10	1,900.23	107.98	150.97	185.60	0.54	-0.53	0.63
2,013.00	9.700	50.40	1,993.77	118.35	163.90	202.16	0.80	-0.74	-1.79
2,108.00	10.100	56.00	2,087.36	128.11	176.98	218.48	1.10	0.42	5.89
2,204.00	12.200	60.50	2,181.54	137.81	192.79	236.97	2.37	2.19	4.69
2,299.00	12.000	56.60	2,274.43	148.19	209.77	256.80	0.89	-0.21	-4.11
2,394.00	11.400	57.10	2,367.46	158.73	225.90	276.04	0.64	-0.63	0.53
2,489.01	12.400	53.10	2,460.42	169.95	241.94	295.61	1.36	1.05	-4.21
2,584.01	13.500	55.90	2,553.00	182.29	259.28	316.89	1.33	1.16	2.95
2,679.01	12.300	54.80	2,645.60	194.34	276.73	338.09	1.29	-1.26	-1.16
2,774.01	12.800	52.20	2,738.33	206.63	293.31	358.73	0.79	0.53	-2.74
2,869.01	12.100	48.70	2,831.10	219.65	309.11	379.17	1.08	-0.74	-3.68
2,964.01	14.300	50.20	2,923.59	233.73	325.60	400.80	2.34	2.32	1.58
3,059.01	13.700	52.30	3,015.76	248.12	343.52	423.75	0.83	-0.63	2.21
3,155.01	12.400	53.00	3,109.28	261.28	360.75	445.42	1.36	-1.35	0.73
3,250.01	12.000	51.90	3,202.14	273.51	376.66	465.49	0.49	-0.42	-1.16
3,345.01	10.000	49.60	3,295.39	284.95	390.72	483.59	2.15	-2.11	-2.42
3,440.01	9.400	49.50	3,389.03	295.33	402.90	499.55	0.63	-0.63	-0.11
3,535.01	8.400	52.90	3,482.89	304.56	414.33	514.22	1.19	-1.05	3.58
3,630.01	8.200	59.00	3,576.89	312.23	425.68	527.91	0.95	-0.21	6.42
3,725.01	8.200	68.50	3,670.93	318.21	437.79	541.21	1.42	0.00	10.00
3,820.01	8.100	67.00	3,764.97	323.30	450.25	554.28	0.25	-0.11	-1.58
3,915.01	7.400	60.80	3,859.10	328.90	461.75	566.88	1.15	-0.74	-6.53
4,010.01	4.400	48.80	3,953.59	334.29	469.84	576.58	3.40	-3.16	-12.63
4,105.01	2.300	44.30	4,048.42	338.06	473.91	582.09	2.23	-2.21	-4.74
4,201.01	1.600	57.90	4,144.37	340.15	476.39	585.33	0.87	-0.73	14.17
4,295.01	1.000	104.20	4,238.34	340.64	478.30	587.16	1.24	-0.64	49.26
4,391.01	1.400	106.80	4,334.32	340.10	480.23	588.40	0.42	0.42	2.71
4,486.01	2.300	121.90	4,429.27	338.76	482.96	589.81	1.07	0.95	15.89
4,581.01	0.700	136.30	4,524.24	337.33	484.98	590.60	1.72	-1.68	15.16
4,676.01	2.300	151.80	4,619.20	335.23	486.28	590.42	1.72	1.68	16.32
4,771.01	1.600	211.60	4,714.16	332.42	486.49	588.92	2.14	-0.74	62.95
4,866.01	1.700	173.70	4,809.12	329.89	485.95	587.00	1.13	0.11	-39.89
4,961.01	1.000	141.20	4,904.09	327.84	486.62	586.33	1.06	-0.74	-34.21

Sharewell

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Design:	Wellbore #1	Database:	CompassVM

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5,057.01	1.200	110.60	5,000.08	326.84	488.09	586.92	0.64	0.21	-31.87	
5,152.01	2.300	128.90	5,095.03	325.29	490.50	587.96	1.28	1.16	19.26	
5,247.01	2.000	136.00	5,189.97	322.90	493.14	588.68	0.42	-0.32	7.47	
5,342.01	0.500	235.60	5,284.95	321.47	493.95	588.49	2.25	-1.58	104.84	
5,437.01	3.000	322.40	5,379.90	323.21	492.09	588.01	3.17	2.63	91.37	
5,532.01	2.800	304.10	5,474.78	326.48	488.65	587.17	0.99	-0.21	-19.26	
5,627.01	2.200	302.80	5,569.69	328.77	485.20	585.73	0.63	-0.63	-1.37	
5,722.01	2.100	284.50	5,664.63	330.19	481.98	583.97	0.73	-0.11	-19.26	
5,817.01	1.500	284.90	5,759.58	330.95	479.09	582.08	0.63	-0.63	0.42	
5,912.01	2.600	316.80	5,854.52	332.84	476.42	581.04	1.63	1.16	33.58	
6,008.01	2.500	305.00	5,950.43	335.62	473.21	580.09	0.56	-0.10	-12.29	
6,103.01	2.600	347.20	6,045.34	338.91	471.04	580.28	1.93	0.11	44.42	
6,198.01	1.800	333.90	6,140.27	342.36	469.90	581.39	0.99	-0.84	-14.00	
6,293.01	0.500	300.60	6,235.25	343.91	468.89	581.49	1.48	-1.37	-35.05	
6,388.01	0.700	107.10	6,330.25	343.95	469.09	581.67	1.25	0.21	175.26	
6,483.01	0.600	345.80	6,425.25	344.26	469.52	582.20	1.19	-0.11	-127.68	
6,578.01	0.700	6.70	6,520.24	345.32	469.46	582.78	0.27	0.11	22.00	
6,673.01	0.000	104.10	6,615.24	345.89	469.53	583.18	0.74	-0.74	0.00	
6,768.01	0.600	181.60	6,710.24	345.40	469.52	582.87	0.63	0.63	0.00	
6,863.01	1.800	205.70	6,805.21	343.55	468.86	581.25	1.34	1.26	25.37	
6,959.01	2.700	194.80	6,901.14	340.01	467.63	578.17	1.03	0.94	-11.35	
7,054.01	2.800	206.20	6,996.03	335.76	466.03	574.38	0.58	0.11	12.00	
7,149.01	2.500	189.10	7,090.93	331.64	464.68	570.85	0.89	-0.32	-18.00	
7,244.01	2.900	184.10	7,185.83	327.19	464.18	567.83	0.49	0.42	-5.26	
7,294.01	3.100	185.20	7,235.76	324.59	463.97	566.11	0.42	0.40	2.20	
7,344.01	3.100	185.20	7,285.68	321.89	463.72	564.33	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
658.00	658.00	1.67	0.06	Tie-In Survey	
783.00	782.99	1.09	-0.90	First Sharewell Survey	
7,294.01	7,235.76	324.59	463.97	Last Sharewell Survey	
7,344.01	7,285.68	321.89	463.72	Proj. to TD	

Checked By: _____ Approved By: _____ Date: _____