

Bill Barrett Corp. (II)

Garfield County, Colorado [NAD83]

Circle B Tract 5 Pad

CBS 42B-21-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

06 December, 2011



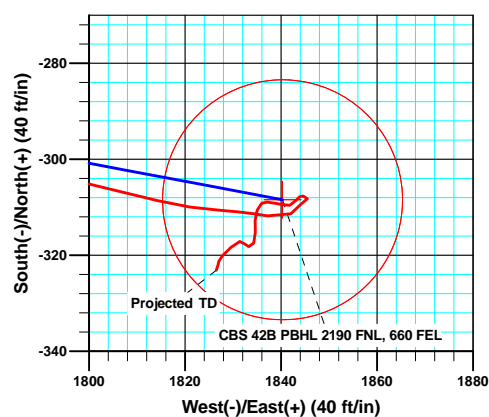
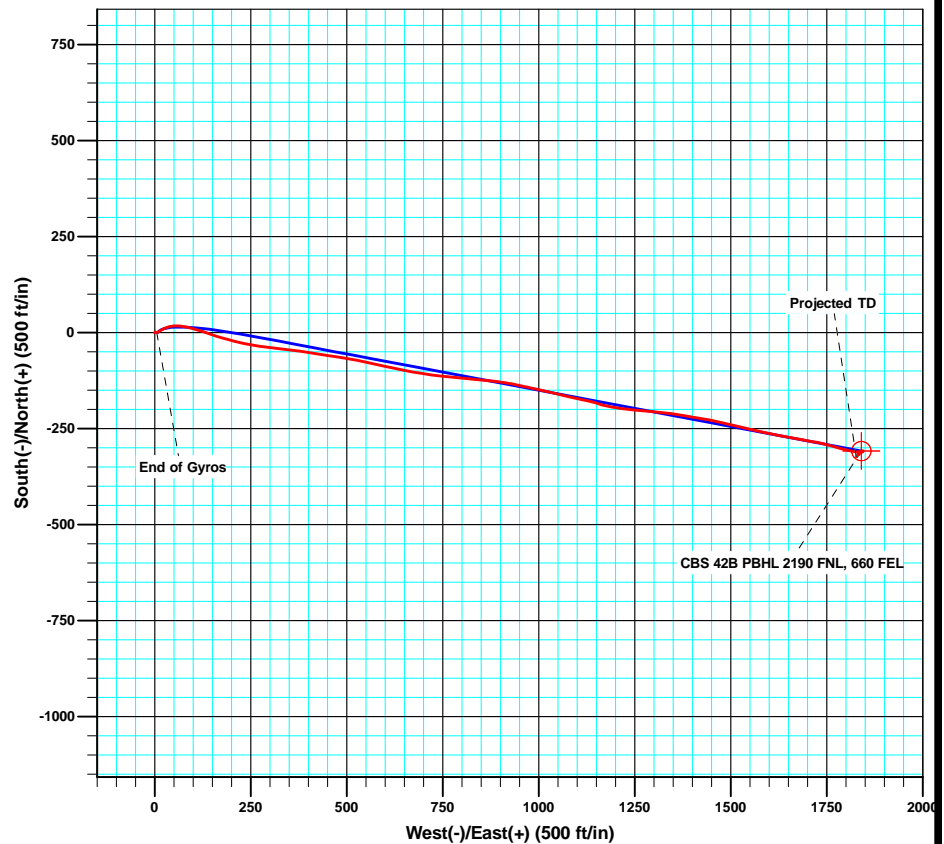
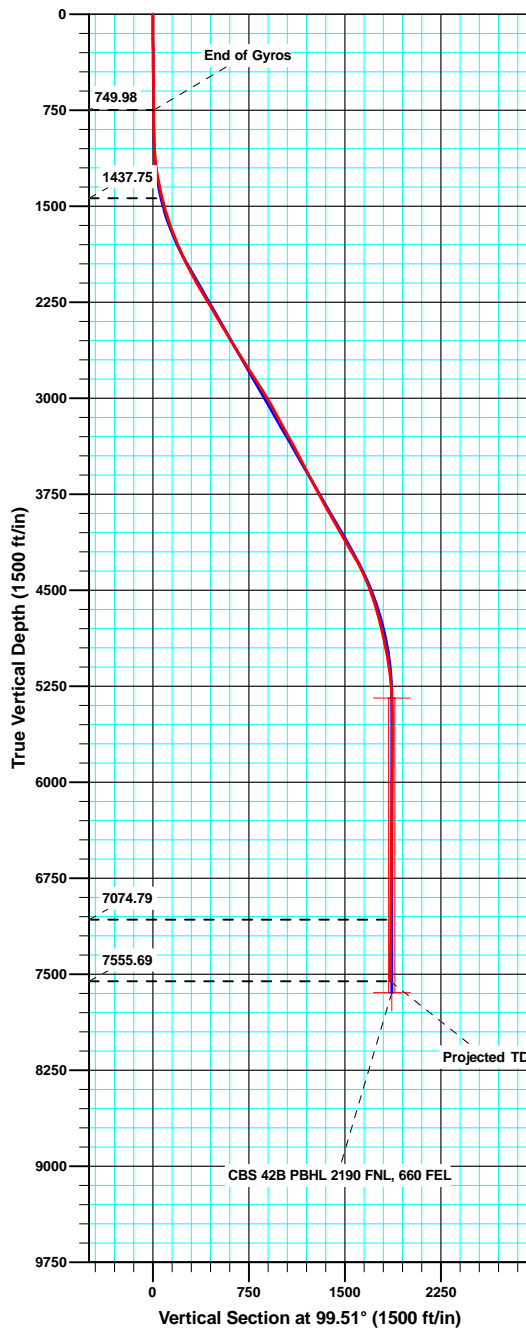
Bill Barrett Corporation

WELL DETAILS: CBS 42B-21-692

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

+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1619626.42 2387502.54 39.514559 -107.671213

GL @ 5743.50



Azimuths to True North
Magnetic North: 10.23°

Magnetic Field
Strength: 52318.3snT
Dip Angle: 65.82°
Date: 4/26/2011
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
749.98	750.00	0.58	89.12	0.66	5.33	5.14	5.74	End of Gyros
1437.75	1444.00	14.30	99.20	15.94	75.82	72.14	80.50	As of Dec 2
7074.79	7516.00	0.70	331.30	-317.54	1832.32	1859.60	1908.86	AAs of Dec 5
7555.69	7997.00	1.20	197.00	-323.10	1826.55	1854.83	1918.27	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well CBS 42B-21-692
Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5767.00ft
Site:	Circle B Tract 5 Pad	MD Reference:	KB @ 5767.00ft
Well:	CBS 42B-21-692	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Project	Garfield County, Colorado [NAD83]		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		Circle B Tract 5 Pad			
Site Position:		Northing:	1,619,626.42 usft	Latitude:	39.514559
From:	Lat/Long	Easting:	2,387,502.83 usft	Longitude:	-107.671212
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.37 °

Well	CBS 42B-21-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,626.41 usft	Latitude:	39.514559
	+E/-W	0.00 ft	Easting:	2,387,502.55 usft	Longitude:	-107.671213
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,743.50 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/26/2011	10.23	65.82	52,318

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	99.51	

Survey Program	Date	12/6/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	750.00	Gyro (Wellbore #1)	Gyro	Gyro	
878.00	7,997.00	MWD (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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.39	47.57	100.00	0.23	0.25	0.21	0.39	0.39	0.00	
200.00	0.52	53.19	200.00	0.73	0.87	0.73	0.14	0.13	5.62	
300.00	0.49	87.28	299.99	1.02	1.66	1.46	0.30	-0.03	34.09	
400.00	0.30	108.53	399.99	0.96	2.33	2.14	0.24	-0.19	21.25	
500.00	0.55	89.53	499.99	0.88	3.06	2.87	0.28	0.25	-19.00	
600.00	0.40	106.40	599.99	0.79	3.87	3.69	0.20	-0.15	16.87	
700.00	0.66	92.14	699.98	0.67	4.78	4.61	0.29	0.26	-14.26	
750.00	0.58	89.12	749.98	0.66	5.33	5.14	0.17	-0.16	-6.04	
878.00	0.70	97.30	877.97	0.57	6.75	6.56	0.12	0.09	6.39	

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Site:	Circle B Tract 5 Pad	MD Reference:	KB @ 5767.00ft
Well:	CBS 42B-21-692	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)
970.00	1.80	63.70	969.95	1.14	8.60	8.30	1.39	1.20	-36.52
1,065.00	5.00	52.80	1,064.77	4.30	13.24	12.34	3.42	3.37	-11.47
1,160.00	8.40	64.30	1,159.11	9.82	22.79	20.86	3.83	3.58	12.11
1,254.00	10.60	73.10	1,251.82	15.31	37.25	34.21	2.80	2.34	9.36
1,349.00	11.30	90.10	1,345.11	17.83	54.93	51.22	3.46	0.74	17.89
1,444.00	14.30	99.20	1,437.75	15.94	75.82	72.14	3.80	3.16	9.58
1,539.00	15.80	105.00	1,529.50	10.72	99.90	96.75	2.24	1.58	6.11
1,634.00	19.10	110.00	1,620.12	2.05	127.01	124.92	3.81	3.47	5.26
1,729.00	21.40	107.80	1,709.24	-8.56	158.12	157.36	2.55	2.42	-2.32
1,824.00	22.80	104.50	1,797.26	-18.47	192.44	192.85	1.97	1.47	-3.47
1,918.00	24.40	103.10	1,883.40	-27.43	228.99	230.37	1.80	1.70	-1.49
2,013.00	26.40	98.10	1,969.22	-34.86	269.02	271.08	3.09	2.11	-5.26
2,108.00	28.50	96.30	2,053.52	-40.32	312.46	314.83	2.38	2.21	-1.89
2,203.00	31.20	97.20	2,135.91	-45.89	359.41	362.05	2.88	2.84	0.95
2,298.00	30.20	99.60	2,217.60	-52.96	407.39	410.54	1.66	-1.05	2.53
2,392.00	30.50	98.20	2,298.72	-60.31	454.31	458.03	0.82	0.32	-1.49
2,487.00	31.60	99.30	2,380.10	-67.77	502.73	507.02	1.30	1.16	1.16
2,581.00	30.50	101.90	2,460.64	-76.67	550.38	555.49	1.84	-1.17	2.77
2,676.00	31.00	102.90	2,542.28	-87.10	597.82	603.99	0.75	0.53	1.05
2,771.00	31.60	101.40	2,623.46	-97.48	646.07	653.29	1.04	0.63	-1.58
2,866.00	32.70	99.00	2,703.89	-106.42	695.81	703.83	1.77	1.16	-2.53
2,961.00	32.60	95.90	2,783.88	-113.06	746.62	755.04	1.76	-0.11	-3.26
3,056.00	33.10	96.10	2,863.69	-118.45	797.87	806.47	0.54	0.53	0.21
3,150.00	32.30	94.60	2,942.80	-123.19	848.43	857.12	1.21	-0.85	-1.60
3,245.00	30.20	97.10	3,024.01	-128.18	897.44	906.29	2.60	-2.21	2.63
3,339.00	28.70	103.10	3,105.88	-136.22	942.90	952.45	3.52	-1.60	6.38
3,433.00	28.90	101.60	3,188.26	-145.91	987.13	997.67	0.80	0.21	-1.60
3,528.00	28.60	103.90	3,271.55	-155.98	1,031.69	1,043.29	1.21	-0.32	2.42
3,620.00	28.60	103.00	3,352.32	-166.23	1,074.53	1,087.22	0.47	0.00	-0.98
3,715.00	27.50	101.50	3,436.16	-175.72	1,118.17	1,131.84	1.38	-1.16	-1.58
3,810.00	27.90	107.00	3,520.29	-186.59	1,160.93	1,175.80	2.72	0.42	5.79
3,905.00	27.30	98.10	3,604.51	-196.16	1,203.77	1,219.64	4.38	-0.63	-9.37
4,000.00	28.50	94.30	3,688.48	-200.93	1,247.95	1,263.99	2.26	1.26	-4.00
4,095.00	28.80	96.10	3,771.85	-205.06	1,293.30	1,309.41	0.96	0.32	1.89
4,190.00	27.60	97.20	3,855.57	-210.25	1,337.89	1,354.24	1.38	-1.26	1.16
4,285.00	29.40	99.50	3,939.06	-216.86	1,382.73	1,399.55	2.22	1.89	2.42
4,380.00	29.80	99.60	4,021.66	-224.64	1,429.00	1,446.48	0.42	0.42	0.11
4,474.00	31.60	102.90	4,102.49	-234.04	1,476.05	1,494.43	2.62	1.91	3.51
4,567.00	30.60	104.00	4,182.12	-245.21	1,522.77	1,542.35	1.24	-1.08	1.18
4,662.00	28.60	102.40	4,264.72	-255.94	1,568.44	1,589.17	2.26	-2.11	-1.68
4,756.00	25.30	100.80	4,348.50	-264.54	1,610.16	1,631.73	3.59	-3.51	-1.70
4,851.00	22.90	100.80	4,435.21	-271.80	1,648.26	1,670.51	2.53	-2.53	0.00
4,946.00	19.70	100.50	4,523.71	-278.19	1,682.17	1,705.01	3.37	-3.37	-0.32

Sharewell

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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)	
5,041.00	16.60	101.20	4,613.97	-283.74	1,711.23	1,734.59	3.27	-3.26	0.74	
5,137.00	14.90	101.40	4,706.37	-288.85	1,736.78	1,760.64	1.77	-1.77	0.21	
5,232.00	14.20	105.90	4,798.32	-294.45	1,759.96	1,784.42	1.40	-0.74	4.74	
5,328.00	12.10	105.00	4,891.80	-300.28	1,781.01	1,806.14	2.20	-2.19	-0.94	
5,423.00	10.50	103.90	4,984.96	-304.94	1,799.03	1,824.69	1.70	-1.68	-1.16	
5,518.00	8.60	103.00	5,078.63	-308.62	1,814.35	1,840.41	2.01	-2.00	-0.95	
5,613.00	7.30	94.00	5,172.72	-310.64	1,827.30	1,853.51	1.89	-1.37	-9.47	
5,708.00	4.80	100.30	5,267.19	-311.77	1,837.23	1,863.49	2.72	-2.63	6.63	
5,802.00	1.80	40.00	5,361.04	-311.34	1,842.05	1,868.17	4.48	-3.19	-64.15	
5,897.00	1.60	54.70	5,456.00	-309.43	1,844.09	1,869.87	0.50	-0.21	15.47	
5,992.00	0.40	24.50	5,550.98	-308.36	1,845.31	1,870.90	1.34	-1.26	-31.79	
6,087.00	0.20	163.70	5,645.98	-308.22	1,845.50	1,871.06	0.60	-0.21	146.53	
6,182.00	0.50	320.30	5,740.98	-308.06	1,845.28	1,870.82	0.72	0.32	164.84	
6,277.00	0.50	282.40	5,835.98	-307.65	1,844.61	1,870.09	0.34	0.00	-39.89	
6,372.00	0.40	229.50	5,930.98	-307.78	1,843.95	1,869.46	0.43	-0.11	-55.68	
6,467.00	1.10	225.50	6,025.97	-308.63	1,843.05	1,868.71	0.74	0.74	-4.21	
6,562.00	0.80	244.10	6,120.96	-309.56	1,841.80	1,867.63	0.45	-0.32	19.58	
6,657.00	1.00	297.30	6,215.95	-309.47	1,840.47	1,866.31	0.87	0.21	56.00	
6,752.00	1.20	267.80	6,310.93	-309.13	1,838.74	1,864.54	0.62	0.21	-31.05	
6,847.00	0.80	293.80	6,405.91	-308.90	1,837.14	1,862.92	0.63	-0.42	27.37	
6,942.00	0.90	225.60	6,500.91	-309.15	1,836.00	1,861.84	1.01	0.11	-71.79	
7,037.00	1.20	204.40	6,595.89	-310.58	1,835.05	1,861.15	0.51	0.32	-22.32	
7,132.00	1.40	181.50	6,690.87	-312.65	1,834.61	1,861.05	0.58	0.21	-24.11	
7,227.00	1.70	177.50	6,785.83	-315.22	1,834.64	1,861.51	0.34	0.32	-4.21	
7,322.00	1.10	204.50	6,880.80	-317.45	1,834.33	1,861.57	0.92	-0.63	28.42	
7,417.00	0.80	279.00	6,975.79	-318.18	1,833.29	1,860.67	1.24	-0.32	78.42	
7,516.00	0.70	331.30	7,074.79	-317.54	1,832.32	1,859.60	0.67	-0.10	52.83	
7,606.00	0.80	267.60	7,164.78	-317.09	1,831.43	1,858.65	0.88	0.11	-70.78	
7,700.00	2.00	224.50	7,258.75	-318.28	1,829.62	1,857.06	1.61	1.28	-45.85	
7,796.00	1.10	226.00	7,354.72	-320.12	1,827.79	1,855.56	0.94	-0.94	1.56	
7,891.00	0.60	187.60	7,449.71	-321.24	1,827.06	1,855.03	0.77	-0.53	-40.42	
7,947.00	1.20	197.00	7,505.70	-322.10	1,826.85	1,854.96	1.10	1.07	16.79	
7,997.00	1.20	197.00	7,555.69	-323.10	1,826.55	1,854.83	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
750.00	749.98	0.66	5.33	End of Gyros	
1,444.00	1,437.75	15.94	75.82	As of Dec 2	
7,516.00	7,074.79	-317.54	1,832.32	AAs of Dec 5	
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Sharewell
Survey Report

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Project:	Garfield County, Colorado [NAD83]	TVD Reference:	KB @ 5767.00ft
Site:	Circle B Tract 5 Pad	MD Reference:	KB @ 5767.00ft
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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Checked By: _____	Approved By: _____	Date: _____
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