

Bill Barrett Corp. (II)

Garfield County, Colorado [NAD83]

Circle B Tract 5 Pad

CBS 32B-21-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

13 December, 2011



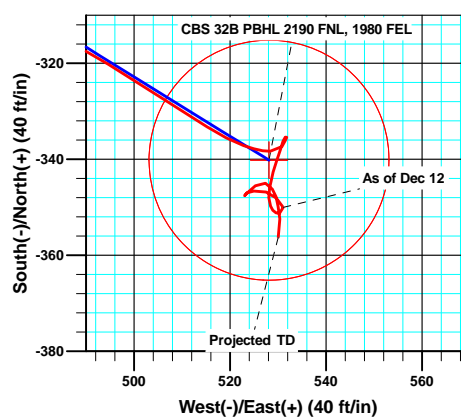
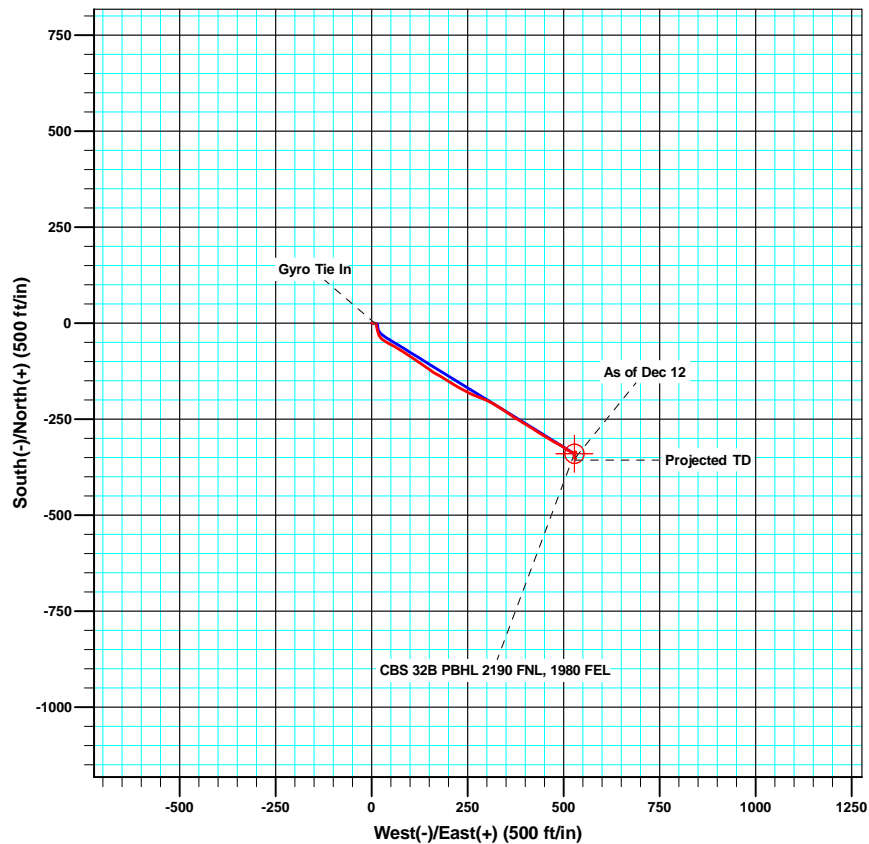
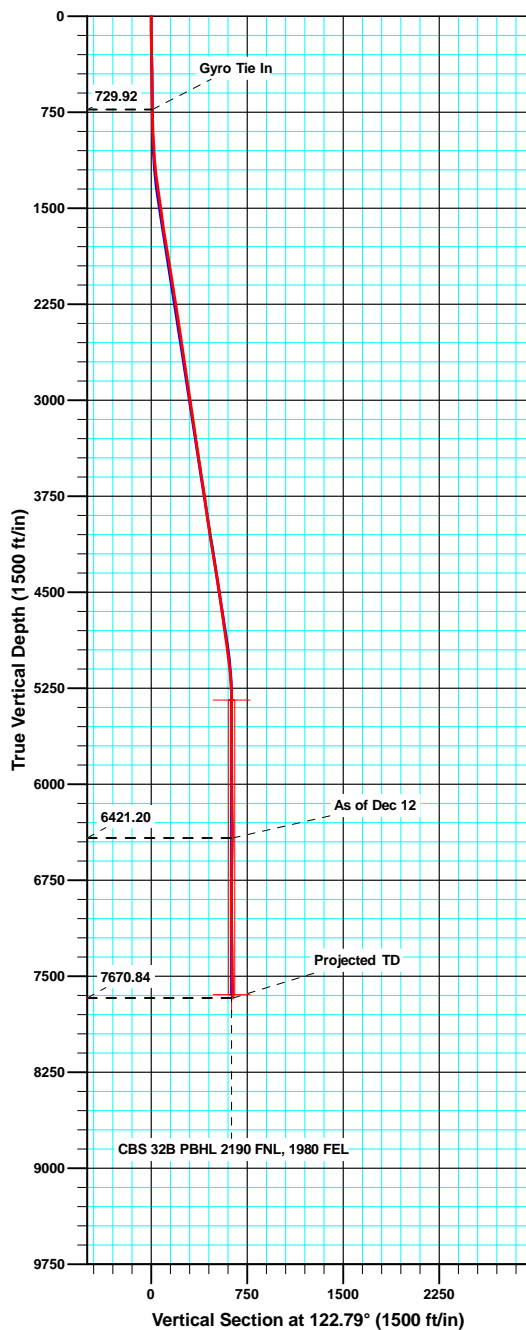
Bill Barrett Corporation

WELL DETAILS: CBS 32B-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 1619628.78 2387494.98 39° 30' 52.43 N 107° 40' 16.46 W

Ground Level: 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
729.92	730.00	1.067	115.96	-1.29	10.23	9.30	10.47	Gyro Tie In
6421.20	6467.00	1.500	331.50	-350.04	531.09	636.03	666.76	As of Dec 12
7670.84	7717.00	2.200	190.10	-356.28	530.07	638.55	696.06	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well CBS 32B-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 32B-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° 30' 52.41 N
From:	Lat/Long	Easting:	2,387,502.83 usft	Longitude:	107° 40' 16.36 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.37 °

Well	CBS 32B-21-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,628.78 usft	Latitude:	39° 30' 52.43 N
	+E/-W	0.00 ft	Easting:	2,387,494.98 usft	Longitude:	107° 40' 16.46 W
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 (°)	
	7,644.00	0.00	0.00	122.79	

Survey Program	Date	12/13/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	730.00	Survey #1 (Wellbore #1)	Gyro	Gyro	
790.00	7,717.00	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	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.700	83.34	100.00	0.07	0.61	0.47	0.70	0.70	0.00	
200.00	0.670	89.05	199.99	0.15	1.80	1.43	0.07	-0.03	5.71	
300.00	0.830	100.21	299.98	0.03	3.10	2.58	0.22	0.16	11.16	
400.00	1.020	97.02	399.97	-0.20	4.69	4.06	0.20	0.19	-3.19	
500.00	0.930	92.81	499.96	-0.35	6.39	5.56	0.11	-0.09	-4.21	
600.00	0.970	107.86	599.94	-0.65	8.00	7.08	0.25	0.04	15.05	
700.00	1.060	102.07	699.93	-1.11	9.71	8.76	0.14	0.09	-5.79	
790.00	1.250	140.00	789.91	-2.03	11.16	10.48	0.86	0.21	42.15	
910.00	4.250	175.00	909.76	-7.47	12.39	14.46	2.75	2.50	29.17	

Sharewell

Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well CBS 32B-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 32B-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)
1,003.00	4.250	157.00	1,002.51	-14.07	14.03	19.42	1.43	0.00	-19.35
1,064.00	4.600	169.00	1,063.33	-18.55	15.38	22.98	1.62	0.57	19.67
1,159.00	6.300	164.00	1,157.90	-27.30	17.55	29.54	1.86	1.79	-5.26
1,253.00	7.800	141.60	1,251.20	-37.26	22.93	39.46	3.30	1.60	-23.83
1,348.00	8.500	123.60	1,345.26	-46.20	32.79	52.58	2.77	0.74	-18.95
1,443.00	8.100	118.20	1,439.26	-53.25	44.53	66.27	0.92	-0.42	-5.68
1,538.00	8.100	117.80	1,533.32	-59.53	56.35	79.61	0.06	0.00	-0.42
1,633.00	7.400	119.60	1,627.45	-65.68	67.59	92.39	0.78	-0.74	1.89
1,728.00	9.600	124.20	1,721.40	-73.15	79.46	106.42	2.42	2.32	4.84
1,823.00	9.300	122.90	1,815.11	-81.77	92.46	122.01	0.39	-0.32	-1.37
1,918.00	9.600	122.20	1,908.82	-90.16	105.61	137.61	0.34	0.32	-0.74
2,013.00	9.600	123.60	2,002.49	-98.77	118.91	153.45	0.25	0.00	1.47
2,108.00	8.400	127.10	2,096.32	-107.34	131.04	168.29	1.39	-1.26	3.68
2,203.00	8.600	122.70	2,190.28	-115.36	142.55	182.31	0.72	0.21	-4.63
2,297.00	8.900	128.30	2,283.18	-123.67	154.18	196.58	0.96	0.32	5.96
2,392.00	8.800	117.00	2,377.06	-131.52	166.42	211.13	1.83	-0.11	-11.89
2,487.00	8.400	121.00	2,470.99	-138.39	178.84	225.29	0.76	-0.42	4.21
2,581.00	8.600	120.80	2,563.96	-145.53	190.76	239.18	0.22	0.21	-0.21
2,676.00	8.400	122.00	2,657.92	-152.84	202.75	253.22	0.28	-0.21	1.26
2,771.00	8.500	124.00	2,751.89	-160.45	214.45	267.17	0.33	0.11	2.11
2,866.00	8.400	116.70	2,845.86	-167.49	226.47	281.09	1.13	-0.11	-7.68
2,961.00	8.500	117.50	2,939.83	-173.85	238.90	294.98	0.16	0.11	0.84
3,055.00	8.900	120.40	3,032.75	-180.74	251.33	309.17	0.63	0.43	3.09
3,150.00	8.800	111.50	3,126.62	-187.12	264.44	323.64	1.44	-0.11	-9.37
3,245.00	8.600	110.80	3,220.53	-192.30	277.84	337.71	0.24	-0.21	-0.74
3,338.00	8.700	111.00	3,312.47	-197.29	290.90	351.40	0.11	0.11	0.22
3,433.00	8.200	119.60	3,406.44	-203.22	303.50	365.20	1.43	-0.53	9.05
3,528.00	8.200	116.80	3,500.47	-209.62	315.44	378.70	0.42	0.00	-2.95
3,620.00	8.600	120.60	3,591.48	-216.08	327.22	392.10	0.74	0.43	4.13
3,715.00	8.800	125.60	3,685.39	-223.92	339.24	406.45	0.82	0.21	5.26
3,810.00	8.200	121.80	3,779.35	-231.72	350.91	420.49	0.86	-0.63	-4.00
3,905.00	7.900	124.50	3,873.41	-238.99	362.04	433.78	0.51	-0.32	2.84
3,999.00	8.300	122.60	3,966.47	-246.31	373.08	447.03	0.51	0.43	-2.02
4,094.00	8.500	122.40	4,060.45	-253.76	384.79	460.90	0.21	0.21	-0.21
4,189.00	9.700	119.80	4,154.26	-261.50	397.66	475.92	1.33	1.26	-2.74
4,284.00	9.300	120.00	4,247.95	-269.32	411.26	491.58	0.42	-0.42	0.21
4,379.00	9.100	125.40	4,341.73	-277.51	424.03	506.75	0.93	-0.21	5.68
4,474.00	8.800	123.70	4,435.58	-285.89	436.20	521.52	0.42	-0.32	-1.79
4,566.00	8.600	118.40	4,526.52	-293.07	448.10	535.42	0.90	-0.22	-5.76
4,661.00	8.100	120.80	4,620.51	-299.87	460.10	549.19	0.64	-0.53	2.53
4,756.00	7.700	122.20	4,714.61	-306.69	471.23	562.24	0.47	-0.42	1.47
4,851.00	8.400	117.90	4,808.68	-313.33	482.75	575.52	0.97	0.74	-4.53
4,946.00	8.200	122.20	4,902.68	-320.19	494.62	589.21	0.69	-0.21	4.53

Sharewell

Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well CBS 32B-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 32B-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)
5,041.00	7.600	122.30	4,996.78	-327.15	505.66	602.26	0.63	-0.63	0.11
5,137.00	6.000	122.50	5,092.10	-333.24	515.26	613.63	1.67	-1.67	0.21
5,232.00	4.400	110.00	5,186.71	-337.16	522.87	622.15	2.05	-1.68	-13.16
5,327.00	2.500	87.00	5,281.54	-338.30	528.36	627.38	2.44	-2.00	-24.21
5,422.00	1.100	23.90	5,376.50	-337.35	530.80	628.92	2.35	-1.47	-66.42
5,517.00	0.600	38.40	5,471.49	-336.13	531.48	628.83	0.57	-0.53	15.26
5,612.00	0.400	3.60	5,566.48	-335.41	531.81	628.72	0.37	-0.21	-36.63
5,707.00	0.500	226.40	5,661.48	-335.36	531.53	628.46	0.88	0.11	-144.42
5,802.00	0.700	197.30	5,756.48	-336.20	531.06	628.52	0.38	0.21	-30.63
5,897.00	1.500	196.00	5,851.46	-337.95	530.54	629.03	0.84	0.84	-1.37
5,992.00	1.500	201.60	5,946.42	-340.30	529.74	629.63	0.15	0.00	5.89
6,087.00	1.500	194.20	6,041.39	-342.67	528.98	630.27	0.20	0.00	-7.79
6,182.00	2.600	191.20	6,136.33	-345.99	528.26	631.46	1.16	1.16	-3.16
6,277.00	2.100	159.60	6,231.25	-349.73	528.45	633.64	1.44	-0.53	-33.26
6,371.00	1.600	85.60	6,325.22	-351.24	530.36	636.07	2.41	-0.53	-78.72
6,467.00	1.500	331.50	6,421.20	-350.04	531.09	636.03	2.71	-0.10	-118.85
6,562.00	1.500	315.40	6,516.17	-348.06	529.63	633.73	0.44	0.00	-16.95
6,657.00	1.500	285.70	6,611.13	-346.84	527.56	631.33	0.81	0.00	-31.26
6,751.00	1.700	265.30	6,705.10	-346.62	524.98	629.05	0.64	0.21	-21.70
6,846.00	0.300	186.50	6,800.08	-346.98	523.55	628.04	1.76	-1.47	-82.95
6,941.00	0.700	232.70	6,895.08	-347.58	523.06	627.95	0.57	0.42	48.63
7,036.00	1.200	47.10	6,990.07	-347.25	523.33	628.00	2.00	0.53	183.58
7,131.00	2.000	49.40	7,085.04	-345.50	525.31	628.72	0.84	0.84	2.42
7,226.00	1.200	124.00	7,180.01	-344.98	527.40	630.19	2.15	-0.84	78.53
7,321.00	1.100	138.00	7,274.99	-346.21	528.83	632.06	0.31	-0.11	14.74
7,416.00	1.100	170.30	7,369.97	-347.79	529.60	633.56	0.64	0.00	34.00
7,511.00	1.400	166.40	7,464.95	-349.81	530.02	635.01	0.33	0.32	-4.11
7,605.00	1.800	177.30	7,558.91	-352.40	530.36	636.70	0.53	0.43	11.60
7,717.00	2.200	190.10	7,670.84	-356.28	530.07	638.55	0.53	0.36	11.43

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
730.00	729.92	-1.29	10.23	Gyro Tie In
6,467.00	6,421.20	-350.04	531.09	As of Dec 12
7,717.00	7,670.84	-356.28	530.07	Projected TD

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------