

Bill Barrett Corp. (II)

Garfield County, Colorado [NAD83]

Circle B Tract 5 Pad

CBS 32D-21-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

29 December, 2011



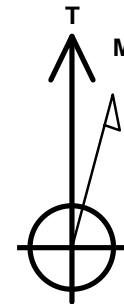
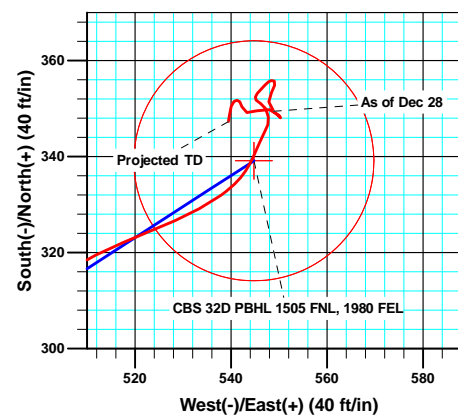
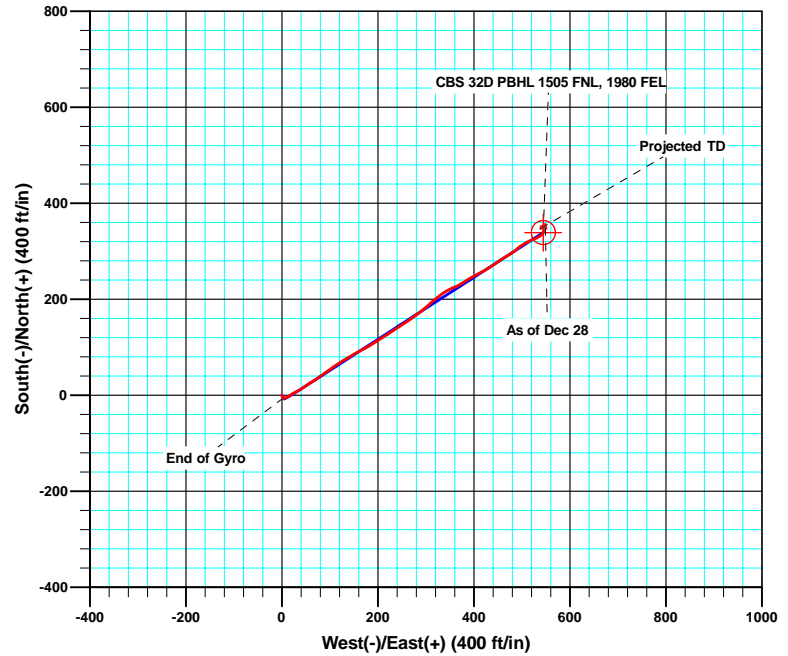
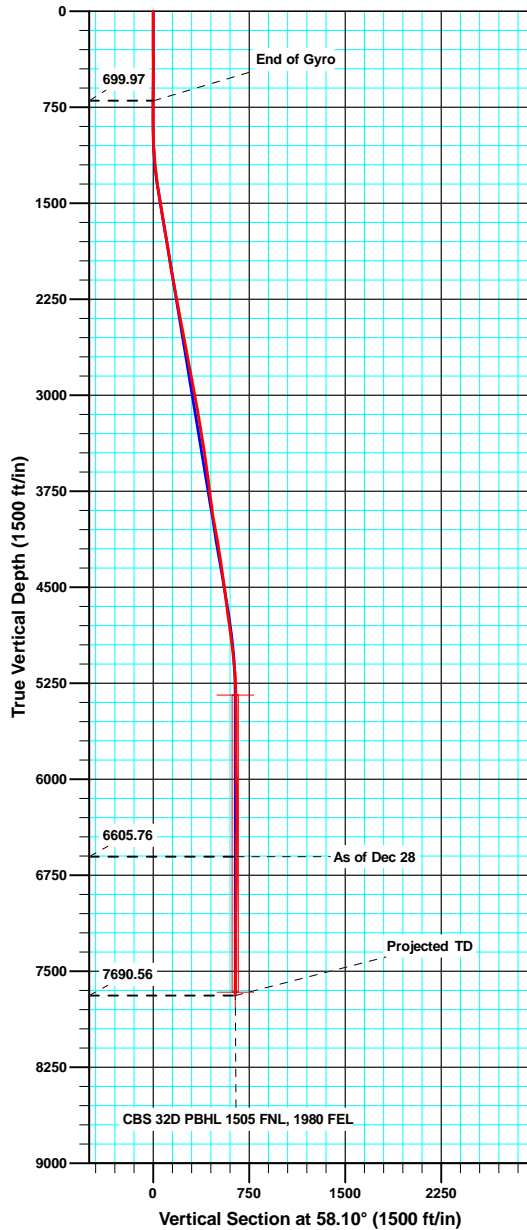
Bill Barrett Corporation

WELL DETAILS: CBS 32D-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 1619635.16 2387471.99 39° 30' 52.49 N 107° 40' 16.76 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
699.97	700.00	0.560	162.40	-5.48	3.37	-0.03	6.53	End of Gyro
6605.76	6657.00	1.800	136.00	349.45	548.90	650.67	680.33	As of Dec 28
7690.56	7742.00	1.600	189.10	347.29	539.46	641.51	700.25	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp. (II)	Local Co-ordinate Reference:	Well CBS 32D-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 32D-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 32D-21-692					
Well Position	+N/-S	0.00 ft	Northing:	1,619,635.16 usft	Latitude:	39° 30' 52.49 N
	+E/-W	0.00 ft	Easting:	2,387,472.00 usft	Longitude:	107° 40' 16.76 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 (°)	
	0.00	0.00	0.00	58.10	

Survey Program	Date	12/29/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	700.00	Gyro (Wellbore #1)	Gyro	Gyro	
877.00	7,742.00	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	0.340	146.10	100.00	-0.25	0.17	0.01	0.34	0.34	0.00	
200.00	0.500	148.17	200.00	-0.86	0.56	0.02	0.16	0.16	2.07	
300.00	0.440	128.53	299.99	-1.47	1.09	0.15	0.17	-0.06	-19.64	
400.00	0.660	140.83	399.99	-2.16	1.76	0.35	0.25	0.22	12.30	
500.00	0.680	153.16	499.98	-3.13	2.39	0.37	0.15	0.02	12.33	
600.00	0.840	157.06	599.97	-4.34	2.94	0.20	0.17	0.16	3.90	
700.00	0.560	162.40	699.97	-5.48	3.37	-0.03	0.29	-0.28	5.34	
877.00	0.200	117.10	876.96	-6.45	3.91	-0.09	0.25	-0.20	-25.59	
969.00	1.600	75.10	968.95	-6.19	5.30	1.23	1.58	1.52	-45.65	

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Survey Report

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Site:	Circle B Tract 5 Pad	MD Reference:	KB @ 5767.00ft
Well:	CBS 32D-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)
1,065.00	3.400	71.50	1,064.85	-4.94	9.29	5.28	1.88	1.88	-3.75
1,159.00	4.500	50.10	1,158.63	-1.69	14.76	11.64	1.94	1.17	-22.77
1,254.00	6.200	60.10	1,253.22	3.26	22.07	20.46	2.03	1.79	10.53
1,350.00	8.300	63.20	1,348.45	8.97	32.75	32.54	2.22	2.19	3.23
1,445.00	9.000	56.60	1,442.37	16.15	45.07	46.80	1.28	0.74	-6.95
1,540.00	8.700	55.50	1,536.24	24.31	57.20	61.41	0.36	-0.32	-1.16
1,635.00	9.600	57.90	1,630.03	32.59	69.83	76.51	1.03	0.95	2.53
1,730.00	10.000	53.90	1,723.64	41.66	83.21	92.65	0.83	0.42	-4.21
1,825.00	9.900	54.30	1,817.21	51.28	96.50	109.03	0.13	-0.11	0.42
1,920.00	9.100	56.90	1,910.91	60.15	109.43	124.69	0.96	-0.84	2.74
2,015.00	8.500	55.50	2,004.79	68.23	121.51	139.21	0.67	-0.63	-1.47
2,110.00	10.700	59.50	2,098.46	76.69	134.90	155.05	2.42	2.32	4.21
2,205.00	10.200	61.20	2,191.88	85.21	149.87	172.26	0.62	-0.53	1.79
2,300.00	10.300	62.20	2,285.36	93.23	164.75	189.13	0.21	0.11	1.05
2,393.00	10.800	60.10	2,376.79	101.45	179.66	206.13	0.68	0.54	-2.26
2,489.00	11.500	56.60	2,470.98	111.20	195.44	224.69	1.01	0.73	-3.65
2,584.00	11.100	58.10	2,564.14	121.25	211.11	243.30	0.52	-0.42	1.58
2,679.00	10.600	57.10	2,657.44	130.82	226.21	261.18	0.56	-0.53	-1.05
2,774.00	10.900	55.50	2,750.77	140.66	240.95	278.89	0.45	0.32	-1.68
2,869.00	10.500	57.30	2,844.12	150.42	255.64	296.52	0.55	-0.42	1.89
2,963.00	10.400	55.50	2,936.56	159.85	269.84	313.56	0.36	-0.11	-1.91
3,058.00	10.200	51.30	3,030.03	169.97	283.47	330.48	0.82	-0.21	-4.42
3,153.00	10.100	50.00	3,123.55	180.58	296.42	347.08	0.26	-0.11	-1.37
3,248.00	9.900	49.90	3,217.10	191.20	309.04	363.41	0.21	-0.21	-0.11
3,342.00	9.500	49.10	3,309.76	201.48	321.09	379.07	0.45	-0.43	-0.85
3,437.00	8.400	55.80	3,403.60	210.52	332.75	393.74	1.59	-1.16	7.05
3,532.00	7.600	58.00	3,497.68	217.75	343.82	406.96	0.90	-0.84	2.32
3,626.00	8.200	70.70	3,590.79	223.26	355.42	419.72	1.96	0.64	13.51
3,721.00	7.300	59.80	3,684.93	228.53	367.03	432.36	1.81	-0.95	-11.47
3,816.00	7.200	57.90	3,779.17	234.73	377.29	444.35	0.27	-0.11	-2.00
3,911.00	8.300	59.40	3,873.30	241.39	388.24	457.16	1.18	1.16	1.58
4,006.00	9.500	59.80	3,967.15	248.82	400.92	471.85	1.26	1.26	0.42
4,100.00	9.900	63.90	4,059.81	256.28	414.88	487.65	0.85	0.43	4.36
4,195.00	9.800	59.30	4,153.41	264.00	429.16	503.85	0.83	-0.11	-4.84
4,290.00	9.400	53.40	4,247.08	272.75	442.34	519.67	1.12	-0.42	-6.21
4,383.00	8.400	55.40	4,338.96	281.14	454.03	534.02	1.13	-1.08	2.15
4,478.00	7.200	61.10	4,433.08	287.95	464.96	546.90	1.50	-1.26	6.00
4,573.00	8.000	58.10	4,527.25	294.33	475.78	559.46	0.94	0.84	-3.16
4,665.00	7.400	50.30	4,618.42	301.49	485.77	571.73	1.31	-0.65	-8.48
4,760.00	7.600	52.50	4,712.61	309.23	495.47	584.04	0.37	0.21	2.32
4,855.00	8.000	59.50	4,806.73	316.41	506.15	596.90	1.08	0.42	7.37
4,950.00	7.400	67.40	4,900.88	322.11	517.49	609.55	1.28	-0.63	8.32
5,045.00	6.900	66.80	4,995.14	326.71	528.38	621.23	0.53	-0.53	-0.63

Sharewell

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Design:	Wellbore #1	Database:	Compass VM

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5,140.00	6.200	54.80	5,089.52	331.92	537.82	631.99	1.61	-0.74	-12.63	
5,235.00	4.100	27.30	5,184.15	337.89	543.57	640.03	3.35	-2.21	-28.95	
5,329.00	2.300	23.10	5,278.00	342.61	545.85	644.46	1.93	-1.91	-4.47	
5,424.00	1.100	28.50	5,372.95	345.17	547.04	646.82	1.27	-1.26	5.68	
5,519.00	0.900	18.90	5,467.94	346.68	547.71	648.19	0.27	-0.21	-10.11	
5,611.00	1.100	350.40	5,559.93	348.23	547.80	649.09	0.58	0.22	-30.98	
5,706.00	1.100	333.80	5,654.91	349.95	547.25	649.52	0.33	0.00	-17.47	
5,801.00	0.800	292.10	5,749.90	351.02	546.23	649.22	0.77	-0.32	-43.89	
5,896.00	0.800	323.70	5,844.89	351.80	545.22	648.78	0.46	0.00	33.26	
5,991.00	1.300	38.10	5,939.88	353.18	545.49	649.74	1.40	0.53	78.32	
6,086.00	1.500	46.20	6,034.85	354.89	547.06	651.97	0.30	0.21	8.53	
6,182.00	0.500	76.00	6,130.83	355.86	548.37	653.60	1.14	-1.04	31.04	
6,277.00	0.400	131.30	6,225.83	355.74	549.02	654.09	0.45	-0.11	58.21	
6,373.00	0.800	195.20	6,321.82	354.88	549.10	653.70	0.75	0.42	66.56	
6,467.00	1.300	208.10	6,415.81	353.30	548.42	652.29	0.59	0.53	13.72	
6,562.00	1.100	181.50	6,510.79	351.44	547.89	650.86	0.62	-0.21	-28.00	
6,657.00	1.800	136.00	6,605.76	349.45	548.90	650.67	1.36	0.74	-47.89	
6,752.00	0.600	126.20	6,700.74	348.09	550.34	651.17	1.28	-1.26	-10.32	
6,847.00	1.300	317.50	6,795.73	348.59	550.01	651.15	1.99	0.74	-177.58	
6,942.00	1.600	288.20	6,890.70	349.80	548.03	650.11	0.83	0.32	-30.84	
7,037.00	1.800	243.60	6,985.66	349.55	545.43	647.77	1.37	0.21	-46.95	
7,132.00	1.000	291.80	7,080.64	349.19	543.32	645.79	1.43	-0.84	50.74	
7,227.00	1.100	343.20	7,175.62	350.37	542.29	645.54	0.96	0.11	54.11	
7,321.00	0.400	317.80	7,269.62	351.48	541.81	645.72	0.81	-0.74	-27.02	
7,416.00	0.400	272.70	7,364.61	351.74	541.26	645.38	0.32	0.00	-47.47	
7,511.00	0.500	228.70	7,459.61	351.48	540.61	644.70	0.37	0.11	-46.32	
7,606.00	0.900	197.60	7,554.60	350.50	540.08	643.73	0.57	0.42	-32.74	
7,692.00	1.600	189.10	7,640.58	348.67	539.68	642.42	0.84	0.81	-9.88	
7,742.00	1.600	189.10	7,690.56	347.29	539.46	641.51	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
700.00	699.97	-5.48	3.37	End of Gyro	
6,657.00	6,605.76	349.45	548.90	As of Dec 28	
7,742.00	7,690.56	347.29	539.46	Projected TD	

Checked By: _____	Approved By: _____	Date: _____
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