

Bill Barrett Corp.

Garfield Co., CO (NAD83)

Kaufman Pad #2 (Sec.25-T6S-R92W)

Kaufman 11A-25-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

13 April, 2012



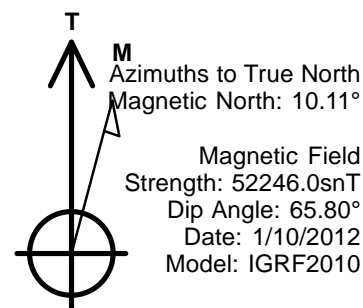
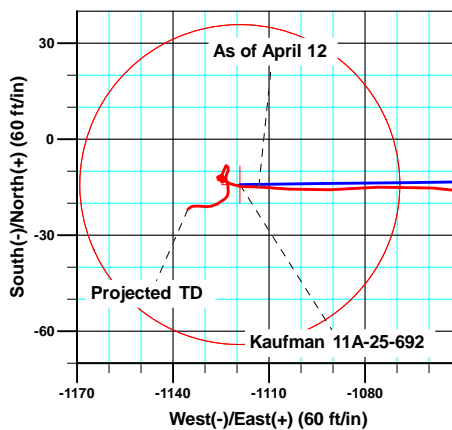
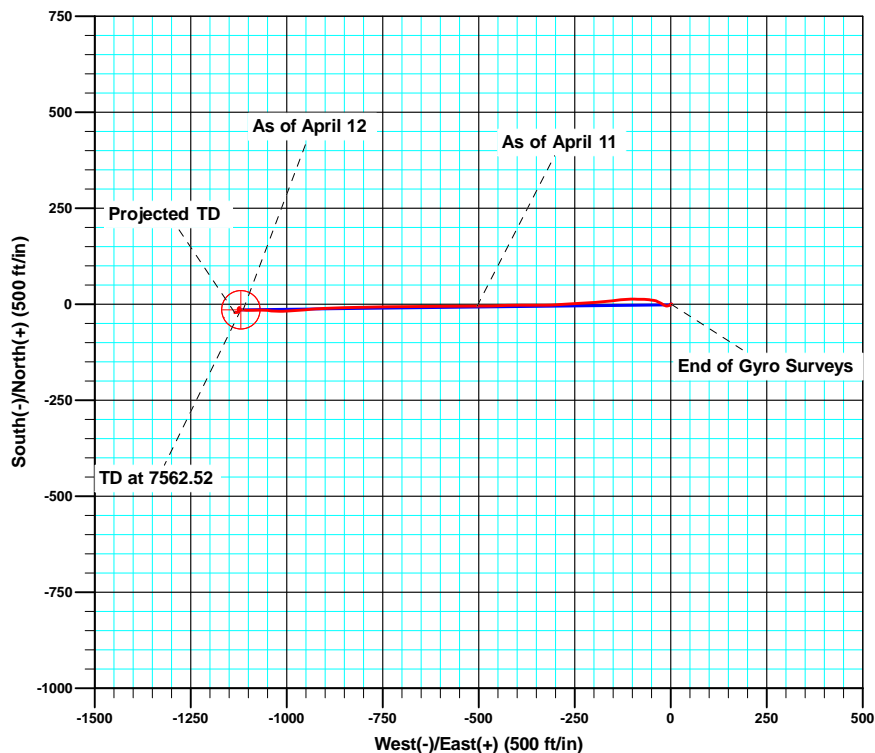
Bill Barrett Corporation

WELL DETAILS: Kaufman 11A-25-692

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

Ground Level: 5840.01

+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1614826.64 2402280.74 39° 30' 8.43 N 107° 37' 6.42 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
666.99	667.00	0.570	217.46	0.35	1.97	-1.97	3.64	End of Gyro Surveys
2868.63	2959.00	24.100	269.00	-5.50	-504.39	504.42	517.27	As of April 11
4752.50	4949.00	4.700	270.60	-14.98	-1113.22	1113.32	1126.83	As of April 12
7402.82	7600.00	1.100	232.60	-21.90	-1135.34	1135.53	1181.58	Projected TD

Sharewell

Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Kaufman 11A-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	WELL @ 5863.01ft
Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	WELL @ 5863.01ft
Well:	Kaufman 11A-25-692	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	Kaufman Pad #2 (Sec.25-T6S-R92W)				
Site Position:		Northing:	1,614,814.17 usft	Latitude:	39° 30' 8.31 N
From:	Lat/Long	Easting:	2,402,284.69 usft	Longitude:	107° 37' 6.36 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.34 °

Well	Kaufman 11A-25-692					
Well Position	+N/-S	0.00 ft	Northing:	1,614,826.64 usft	Latitude:	39° 30' 8.43 N
	+E/-W	0.00 ft	Easting:	2,402,280.75 usft	Longitude:	107° 37' 6.42 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,840.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/10/2012	10.11	65.80	52,246

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	269.27	

Survey Program	Date	4/13/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
123.00	667.00	Survey #1 (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
787.00	7,600.00	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	
123.00	0.220	356.55	123.00	0.24	-0.01	0.01	0.18	0.18	0.00	
223.00	0.320	16.41	223.00	0.70	0.05	-0.06	0.14	0.10	19.86	
323.00	0.360	50.71	323.00	1.16	0.38	-0.39	0.20	0.04	34.30	
423.00	0.350	100.37	423.00	1.31	0.92	-0.94	0.30	-0.01	49.66	
523.00	0.380	114.85	522.99	1.11	1.52	-1.53	0.10	0.03	14.48	
623.00	0.420	148.29	622.99	0.66	2.01	-2.02	0.23	0.04	33.44	
667.00	0.570	217.46	666.99	0.35	1.97	-1.97	1.31	0.34	157.20	
787.00	0.400	94.00	786.99	-0.15	2.02	-2.02	0.72	-0.14	-102.88	
879.00	1.200	235.00	878.98	-0.73	1.55	-1.54	1.66	0.87	153.26	

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Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	WELL @ 5863.01ft
Well:	Kaufman 11A-25-692	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)
974.00	1.700	237.70	973.95	-2.05	-0.45	0.48	0.53	0.53	2.84
1,066.00	1.600	272.50	1,065.92	-2.73	-2.89	2.93	1.08	-0.11	37.83
1,161.00	3.100	250.80	1,160.83	-3.51	-6.64	6.69	1.81	1.58	-22.84
1,256.00	3.400	275.50	1,255.69	-4.09	-11.87	11.92	1.49	0.32	26.00
1,351.00	4.600	304.80	1,350.46	-1.64	-17.81	17.83	2.45	1.26	30.84
1,446.00	4.700	295.60	1,445.15	2.21	-24.44	24.41	0.79	0.11	-9.68
1,541.00	6.300	298.90	1,539.71	6.41	-32.52	32.43	1.72	1.68	3.47
1,633.00	8.400	280.00	1,630.96	10.02	-43.56	43.43	3.45	2.28	-20.54
1,728.00	11.300	275.40	1,724.55	12.10	-59.66	59.50	3.16	3.05	-4.84
1,823.00	13.400	271.60	1,817.35	13.29	-79.93	79.76	2.37	2.21	-4.00
1,917.00	15.500	270.10	1,908.37	13.61	-103.38	103.20	2.27	2.23	-1.60
2,012.00	17.600	263.00	1,999.44	11.88	-130.34	130.18	3.07	2.21	-7.47
2,107.00	20.100	264.10	2,089.34	8.46	-160.84	160.72	2.66	2.63	1.16
2,202.00	22.100	264.50	2,177.97	5.06	-194.87	194.79	2.11	2.11	0.42
2,297.00	23.800	268.30	2,265.45	2.78	-231.82	231.77	2.37	1.79	4.00
2,392.00	24.300	265.80	2,352.20	0.78	-270.48	270.44	1.19	0.53	-2.63
2,486.00	24.300	267.30	2,437.88	-1.55	-309.08	309.08	0.66	0.00	1.60
2,581.00	24.900	270.70	2,524.26	-2.22	-348.61	348.61	1.62	0.63	3.58
2,675.00	24.500	269.50	2,609.66	-2.15	-387.89	387.88	0.68	-0.43	-1.28
2,769.00	24.500	268.40	2,695.19	-2.86	-426.86	426.86	0.49	0.00	-1.17
2,864.00	23.900	267.40	2,781.85	-4.29	-465.78	465.79	0.76	-0.63	-1.05
2,959.00	24.100	269.00	2,868.63	-5.50	-504.39	504.42	0.72	0.21	1.68
3,054.00	24.000	270.30	2,955.39	-5.74	-543.11	543.13	0.57	-0.11	1.37
3,149.00	23.700	271.10	3,042.28	-5.27	-581.51	581.53	0.46	-0.32	0.84
3,244.00	23.000	270.00	3,129.49	-4.90	-619.16	619.18	0.87	-0.74	-1.16
3,338.00	22.000	270.00	3,216.34	-4.90	-655.14	655.15	1.06	-1.06	0.00
3,433.00	21.400	268.60	3,304.61	-5.33	-690.26	690.27	0.83	-0.63	-1.47
3,528.00	22.000	269.00	3,392.87	-6.06	-725.37	725.39	0.65	0.63	0.42
3,623.00	21.900	267.30	3,480.99	-7.21	-760.86	760.89	0.68	-0.11	-1.79
3,718.00	22.100	269.40	3,569.07	-8.23	-796.43	796.47	0.85	0.21	2.21
3,811.00	21.800	270.20	3,655.33	-8.35	-831.19	831.23	0.46	-0.32	0.86
3,906.00	22.100	267.50	3,743.45	-9.07	-866.69	866.73	1.11	0.32	-2.84
4,002.00	21.500	267.50	3,832.58	-10.62	-902.30	902.37	0.63	-0.63	0.00
4,096.00	19.100	264.30	3,920.74	-12.90	-934.82	934.91	2.81	-2.55	-3.40
4,191.00	18.300	266.30	4,010.72	-15.41	-965.17	965.29	1.08	-0.84	2.11
4,286.00	16.300	266.20	4,101.42	-17.25	-993.36	993.50	2.11	-2.11	-0.11
4,381.00	14.300	269.10	4,193.05	-18.32	-1,018.40	1,018.55	2.25	-2.11	3.05
4,476.00	12.200	277.60	4,285.53	-17.18	-1,040.08	1,040.22	3.01	-2.21	8.95
4,571.00	10.900	273.90	4,378.60	-15.24	-1,059.00	1,059.10	1.57	-1.37	-3.89
4,665.00	9.800	267.30	4,471.07	-15.01	-1,075.85	1,075.96	1.72	-1.17	-7.02
4,760.00	8.600	266.70	4,564.85	-15.80	-1,091.02	1,091.13	1.27	-1.26	-0.63
4,854.00	6.900	276.00	4,657.99	-15.62	-1,103.66	1,103.76	2.24	-1.81	9.89
4,949.00	4.700	270.60	4,752.50	-14.98	-1,113.22	1,113.32	2.38	-2.32	-5.68

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Survey									
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5,044.00	2.300	274.30	4,847.32	-14.80	-1,119.02	1,119.12	2.54	-2.53	3.89
5,139.00	1.700	302.30	4,942.26	-13.90	-1,122.11	1,122.20	1.19	-0.63	29.47
5,234.00	0.900	282.80	5,037.23	-12.98	-1,124.03	1,124.10	0.95	-0.84	-20.53
5,329.00	1.300	283.90	5,132.22	-12.56	-1,125.80	1,125.87	0.42	0.42	1.16
5,423.00	1.000	59.20	5,226.21	-11.88	-1,126.13	1,126.19	2.27	-0.32	143.94
5,518.00	0.600	67.60	5,321.20	-11.27	-1,124.96	1,125.01	0.44	-0.42	8.84
5,613.00	0.900	163.80	5,416.19	-11.79	-1,124.29	1,124.35	1.19	0.32	101.26
5,708.00	1.200	200.70	5,511.18	-13.44	-1,124.44	1,124.52	0.76	0.32	38.84
5,803.00	1.300	357.60	5,606.17	-13.29	-1,124.83	1,124.91	2.58	0.11	165.16
5,898.00	0.100	244.50	5,701.16	-12.25	-1,124.95	1,125.02	1.41	-1.26	-119.05
5,993.00	0.800	242.80	5,796.16	-12.59	-1,125.62	1,125.69	0.74	0.74	-1.79
6,087.00	0.700	81.10	5,890.16	-12.80	-1,125.63	1,125.71	1.58	-0.11	-172.02
6,182.00	1.400	11.00	5,985.14	-11.57	-1,124.84	1,124.90	1.41	0.74	-73.79
6,274.00	1.100	33.60	6,077.12	-9.74	-1,124.14	1,124.17	0.62	-0.33	24.57
6,369.00	0.500	6.20	6,172.11	-8.56	-1,123.59	1,123.60	0.73	-0.63	-28.84
6,464.00	0.200	123.70	6,267.11	-8.24	-1,123.40	1,123.42	0.65	-0.32	123.68
6,559.00	0.600	125.50	6,362.11	-8.63	-1,122.86	1,122.88	0.42	0.42	1.89
6,653.00	1.000	197.90	6,456.10	-9.69	-1,122.71	1,122.75	1.06	0.43	77.02
6,748.00	1.200	206.00	6,551.08	-11.37	-1,123.40	1,123.46	0.27	0.21	8.53
6,843.00	0.600	136.80	6,646.07	-12.63	-1,123.50	1,123.57	1.19	-0.63	-72.84
6,938.00	1.300	164.60	6,741.06	-14.03	-1,122.87	1,122.96	0.86	0.74	29.26
7,033.00	1.800	186.90	6,836.03	-16.55	-1,122.77	1,122.88	0.82	0.53	23.47
7,128.00	1.300	232.80	6,930.99	-18.69	-1,123.80	1,123.95	1.36	-0.53	48.32
7,223.00	2.100	240.10	7,025.95	-20.20	-1,126.17	1,126.34	0.87	0.84	7.68
7,318.00	2.000	269.60	7,120.89	-21.08	-1,129.34	1,129.51	1.10	-0.11	31.05
7,413.00	1.300	280.00	7,215.85	-20.91	-1,132.06	1,132.23	0.80	-0.74	10.95
7,508.00	1.000	252.80	7,310.84	-20.97	-1,133.91	1,134.08	0.65	-0.32	-28.63
7,550.00	1.100	232.60	7,352.83	-21.32	-1,134.58	1,134.76	0.91	0.24	-48.10
7,600.00	1.100	232.60	7,402.82	-21.90	-1,135.34	1,135.53	0.00	0.00	0.00

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
667.00	666.99	0.35	1.97	End of Gyro Surveys
2,959.00	2,868.63	-5.50	-504.39	As of April 11
4,949.00	4,752.50	-14.98	-1,113.22	As of April 12
7,600.00	7,402.82	-21.90	-1,135.34	Projected TD

Checked By: _____ Approved By: _____ Date: _____