

Bill Barrett Corp.

Garfield Co., CO (NAD83)

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

Kaufman 11C-25-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

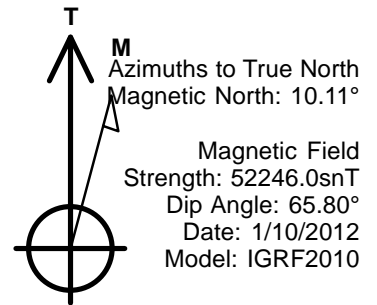
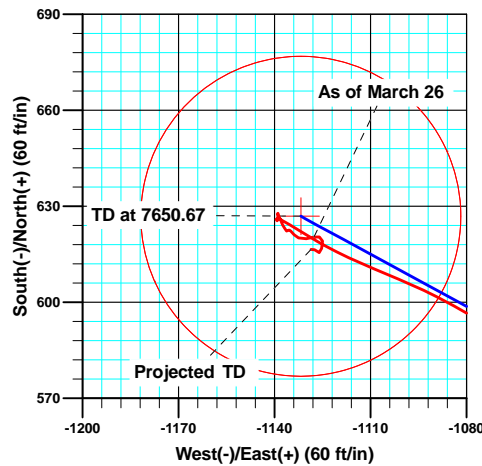
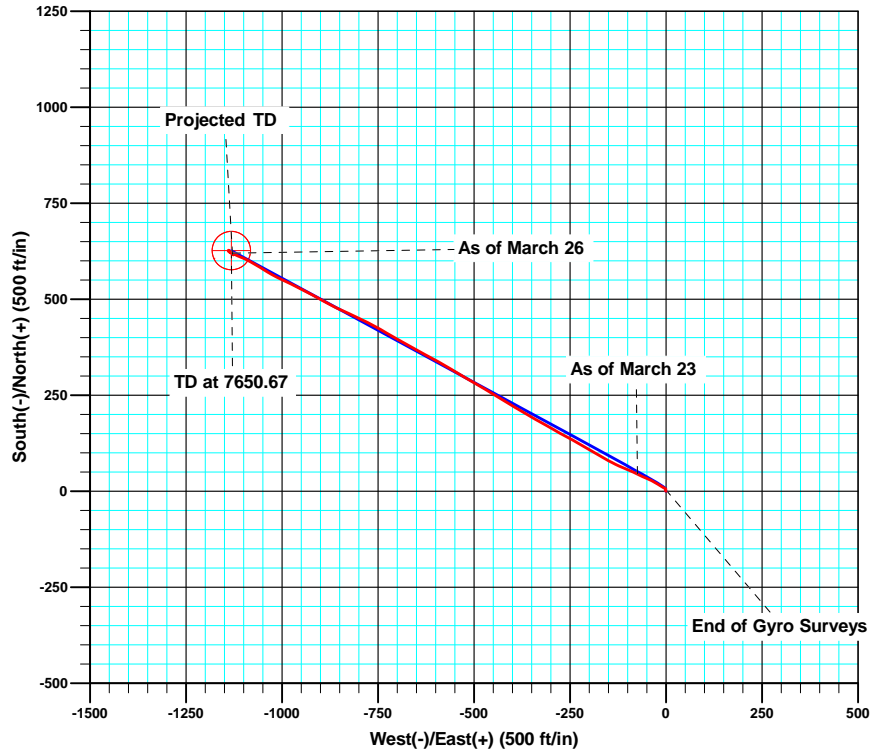
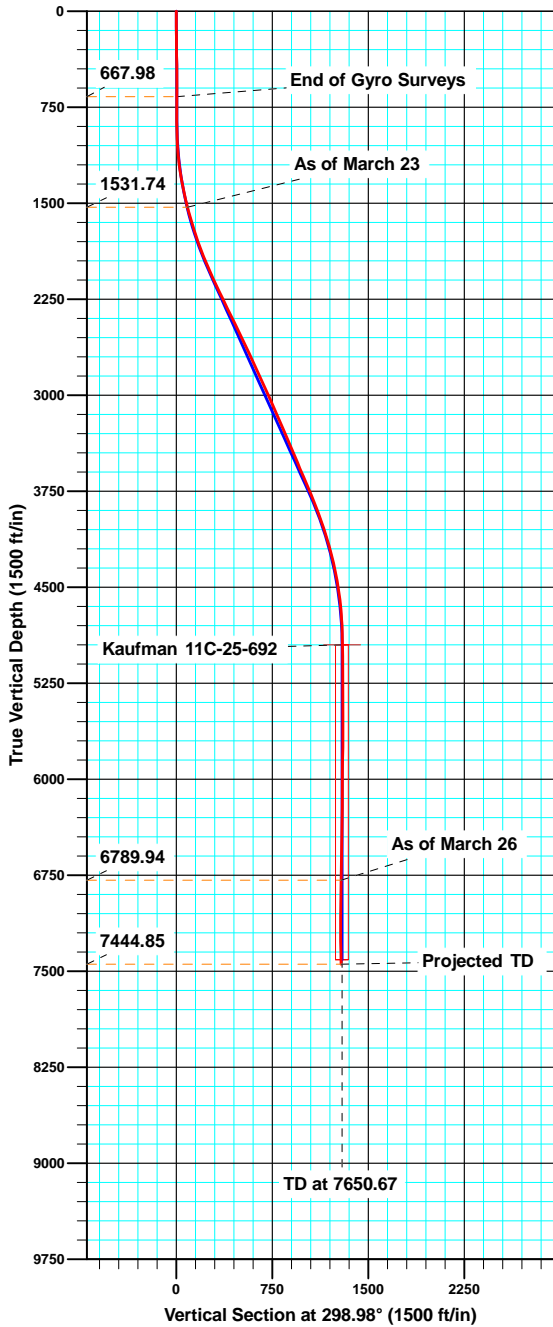
09 April, 2012

WELL DETAILS: Kaufman 11C-25-692

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

Ground Level: 5840.01

+N/-S 0.00 +E/-W 0.00 Northing 1614840.29 Easting 2402289.25 Latitude 39° 30' 8.57 N Longitude 107° 37' 6.31 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Departure	Annotation
667.98	668.00	0.520	6.30	5.02	-1.03	3.33	5.54	End of Gyro Surveys
1531.74	1539.00	14.400	297.10	44.89	-74.48	86.91	91.00	As of March 23
6789.94	7033.00	1.100	64.10	620.39	-1127.67	1287.05	1326.55	As of March 26
7444.85	7688.00	0.800	268.20	616.55	-1128.59	1286.00	1337.28	Projected TD



Sharewell Survey Report

Company: Bill Barrett Corp.	Local Co-ordinate Reference: Well Kaufman 11C-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 11C-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 11C-25-692					
Well Position	+N/-S	0.00 ft	Northing:	1,614,840.29 usft	Latitude: 39° 30' 8.57 N
	+E/-W	0.00 ft	Easting:	2,402,289.25 usft	Longitude: 107° 37' 6.31 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	298.98	

Survey Program		Date 4/9/2012
From (ft)	To (ft)	Survey (Wellbore)
123.00	668.00	Survey #1 (Wellbore #1)
787.00	7,688.00	MWD (Wellbore #1)
		Tool Name
		NS-GYRO-MS
		Description
		North sensing gyrocompassing m/s
		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	0.00
123.00	0.520	330.92	123.00	0.49	-0.27	0.47	0.42	0.42	0.00	
223.00	0.420	320.09	223.00	1.17	-0.73	1.20	0.13	-0.10	-10.83	
323.00	0.580	333.73	322.99	1.90	-1.19	1.96	0.20	0.16	13.64	
423.00	0.630	2.03	422.99	2.90	-1.39	2.62	0.30	0.05	28.30	
523.00	0.440	31.15	522.98	3.78	-1.17	2.86	0.33	-0.19	29.12	
623.00	0.560	353.57	622.98	4.60	-1.03	3.13	0.34	0.12	-37.58	
668.00	0.520	6.30	667.98	5.02	-1.03	3.33	0.28	-0.09	28.29	
787.00	0.400	88.90	786.97	5.56	-0.56	3.18	0.52	-0.10	69.41	
879.00	0.400	308.20	878.97	5.77	-0.49	3.22	0.82	0.00	-152.93	

Sharewell

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Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	WELL @ 5863.01ft
Well:	Kaufman 11C-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)
972.00	1.800	302.10	971.95	6.74	-1.98	5.00	1.51	1.51	-6.56
1,066.00	3.600	302.30	1,065.84	9.11	-5.73	9.42	1.91	1.91	0.21
1,161.00	6.400	301.10	1,160.47	13.44	-12.78	17.69	2.95	2.95	-1.26
1,256.00	8.500	301.30	1,254.67	19.82	-23.32	30.00	2.21	2.21	0.21
1,351.00	10.800	297.60	1,348.32	27.59	-37.20	45.91	2.51	2.42	-3.89
1,446.00	12.700	292.50	1,441.32	35.71	-54.74	65.19	2.28	2.00	-5.37
1,539.00	14.400	297.10	1,531.74	44.89	-74.48	86.91	2.16	1.83	4.95
1,633.00	16.600	292.30	1,622.31	55.31	-97.32	111.93	2.71	2.34	-5.11
1,728.00	17.300	294.20	1,713.19	66.25	-122.76	139.49	0.94	0.74	2.00
1,823.00	19.300	298.10	1,803.38	79.44	-149.49	169.26	2.47	2.11	4.11
1,918.00	21.600	301.60	1,892.39	96.00	-178.24	202.43	2.74	2.42	3.68
2,013.00	23.100	299.60	1,980.25	114.37	-209.34	238.54	1.77	1.58	-2.11
2,107.00	24.400	298.70	2,066.29	132.80	-242.40	276.40	1.44	1.38	-0.96
2,202.00	25.200	298.90	2,152.53	152.00	-277.32	316.24	0.85	0.84	0.21
2,297.00	26.300	300.80	2,238.10	172.55	-313.11	357.50	1.45	1.16	2.00
2,392.00	25.900	298.70	2,323.41	193.29	-349.38	399.29	1.06	-0.42	-2.21
2,487.00	25.800	300.90	2,408.91	213.87	-385.32	440.70	1.02	-0.11	2.32
2,582.00	25.900	301.60	2,494.40	235.36	-420.73	482.09	0.34	0.11	0.74
2,676.00	25.800	301.30	2,579.00	256.75	-455.70	523.04	0.18	-0.11	-0.32
2,770.00	25.700	299.80	2,663.66	277.50	-490.87	563.85	0.70	-0.11	-1.60
2,865.00	25.100	300.90	2,749.48	298.09	-526.03	604.59	0.80	-0.63	1.16
2,959.00	24.000	300.50	2,834.98	318.03	-559.61	643.63	1.18	-1.17	-0.43
3,054.00	24.500	299.50	2,921.60	337.53	-593.40	682.64	0.68	0.53	-1.05
3,149.00	24.100	298.50	3,008.18	356.49	-627.59	721.73	0.60	-0.42	-1.05
3,244.00	23.600	298.60	3,095.07	374.85	-661.33	760.14	0.53	-0.53	0.11
3,338.00	23.800	299.00	3,181.14	393.05	-694.44	797.92	0.27	0.21	0.43
3,433.00	23.100	299.60	3,268.29	411.55	-727.41	835.73	0.78	-0.74	0.63
3,528.00	23.300	299.50	3,355.61	430.01	-759.97	873.15	0.21	0.21	-0.11
3,623.00	23.300	296.20	3,442.87	447.55	-793.18	910.71	1.37	0.00	-3.47
3,718.00	22.000	293.70	3,530.54	463.00	-826.33	947.19	1.70	-1.37	-2.63
3,812.00	23.200	296.50	3,617.32	478.34	-859.03	983.23	1.71	1.28	2.98
3,906.00	23.900	298.80	3,703.50	495.78	-892.28	1,020.77	1.23	0.74	2.45
4,001.00	21.300	298.60	3,791.19	513.31	-924.30	1,057.27	2.74	-2.74	-0.21
4,096.00	22.000	296.60	3,879.49	529.54	-955.36	1,092.30	1.07	0.74	-2.11
4,191.00	20.300	294.90	3,968.09	544.44	-986.22	1,126.52	1.90	-1.79	-1.79
4,286.00	17.800	297.30	4,057.88	558.04	-1,014.08	1,157.48	2.76	-2.63	2.53
4,381.00	16.700	301.80	4,148.61	571.90	-1,038.59	1,185.63	1.82	-1.16	4.74
4,476.00	13.400	300.70	4,240.34	584.71	-1,059.66	1,210.27	3.49	-3.47	-1.16
4,571.00	12.700	300.30	4,332.89	595.60	-1,078.14	1,231.72	0.74	-0.74	-0.42
4,665.00	10.400	294.60	4,424.98	604.35	-1,094.78	1,250.51	2.73	-2.45	-6.06
4,760.00	8.600	292.00	4,518.67	610.58	-1,109.16	1,266.11	1.95	-1.89	-2.74
4,854.00	6.900	297.40	4,611.81	615.81	-1,120.69	1,278.73	1.97	-1.81	5.74
4,949.00	4.300	301.40	4,706.35	620.30	-1,128.80	1,288.00	2.77	-2.74	4.21

Sharewell

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Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
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Survey										
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5,044.00	2.500	302.30	4,801.18	623.26	-1,133.59	1,293.62	1.90	-1.89	0.95	
5,139.00	1.300	295.80	4,896.13	624.83	-1,136.31	1,296.77	1.28	-1.26	-6.84	
5,234.00	0.400	307.70	4,991.12	625.51	-1,137.54	1,298.17	0.96	-0.95	12.53	
5,329.00	0.600	301.20	5,086.11	625.97	-1,138.23	1,299.00	0.22	0.21	-6.84	
5,423.00	0.400	274.40	5,180.11	626.25	-1,138.98	1,299.79	0.32	-0.21	-28.51	
5,518.00	0.500	213.80	5,275.11	625.93	-1,139.54	1,300.12	0.49	0.11	-63.79	
5,613.00	0.700	103.00	5,370.10	625.45	-1,139.21	1,299.60	1.05	0.21	-116.63	
5,708.00	1.100	347.70	5,465.10	626.21	-1,138.84	1,299.64	1.62	0.42	-121.37	
5,803.00	0.600	357.70	5,560.09	627.60	-1,139.05	1,300.50	0.55	-0.53	10.53	
5,898.00	0.400	163.50	5,655.09	627.78	-1,138.98	1,300.53	1.04	-0.21	174.53	
5,993.00	0.700	155.90	5,750.08	626.93	-1,138.64	1,299.83	0.32	0.32	-8.00	
6,087.00	1.100	157.90	5,844.07	625.57	-1,138.07	1,298.66	0.43	0.43	2.13	
6,182.00	0.700	156.20	5,939.06	624.20	-1,137.49	1,297.49	0.42	-0.42	-1.79	
6,274.00	1.000	142.70	6,031.05	623.04	-1,136.78	1,296.31	0.39	0.33	-14.67	
6,369.00	0.100	154.60	6,126.04	622.31	-1,136.24	1,295.48	0.95	-0.95	12.53	
6,464.00	0.400	60.40	6,221.04	622.40	-1,135.92	1,295.24	0.44	0.32	-99.16	
6,559.00	0.300	83.00	6,316.04	622.59	-1,135.38	1,294.87	0.18	-0.11	23.79	
6,653.00	0.600	143.60	6,410.04	622.23	-1,134.85	1,294.22	0.56	0.32	64.47	
6,748.00	1.100	135.30	6,505.03	621.18	-1,133.91	1,292.90	0.54	0.53	-8.74	
6,843.00	1.100	115.70	6,600.01	620.13	-1,132.45	1,291.11	0.39	0.00	-20.63	
6,938.00	1.900	85.40	6,694.98	619.87	-1,130.06	1,288.89	1.16	0.84	-31.89	
7,033.00	1.100	64.10	6,789.94	620.39	-1,127.67	1,287.05	1.01	-0.84	-22.42	
7,128.00	1.100	111.80	6,884.93	620.45	-1,126.00	1,285.62	0.94	0.00	50.21	
7,223.00	1.200	168.50	6,979.91	619.14	-1,124.95	1,284.07	1.15	0.11	59.68	
7,318.00	1.700	201.40	7,074.88	616.85	-1,125.27	1,283.24	1.00	0.53	34.63	
7,413.00	0.300	268.60	7,169.87	615.53	-1,126.03	1,283.27	1.69	-1.47	70.74	
7,508.00	0.600	318.30	7,264.86	615.90	-1,126.61	1,283.95	0.49	0.32	52.32	
7,602.00	0.700	286.30	7,358.86	616.42	-1,127.49	1,284.98	0.39	0.11	-34.04	
7,688.00	0.800	268.20	7,444.85	616.55	-1,128.59	1,286.00	0.30	0.12	-21.05	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
668.00	667.98	5.02	-1.03	End of Gyro Surveys	
1,539.00	1,531.74	44.89	-74.48	As of March 23	
7,033.00	6,789.94	620.39	-1,127.67	As of March 26	
7,688.00	7,444.85	616.55	-1,128.59	Projected TD	

Checked By: _____ Approved By: _____ Date: _____