

Bill Barrett Corp.

Garfield Co., CO (NAD83)

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

Kaufman 11D-25-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

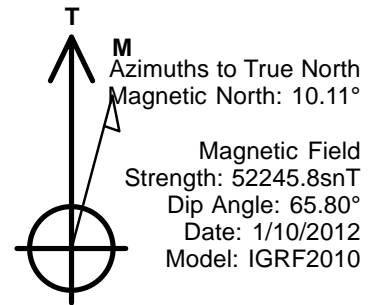
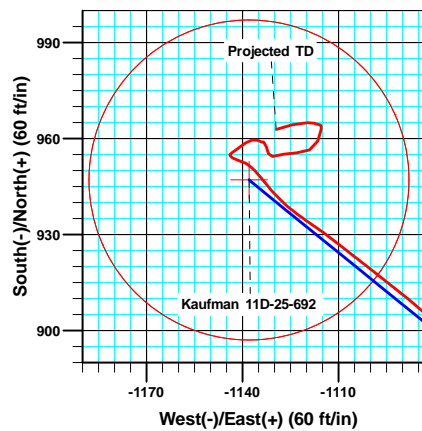
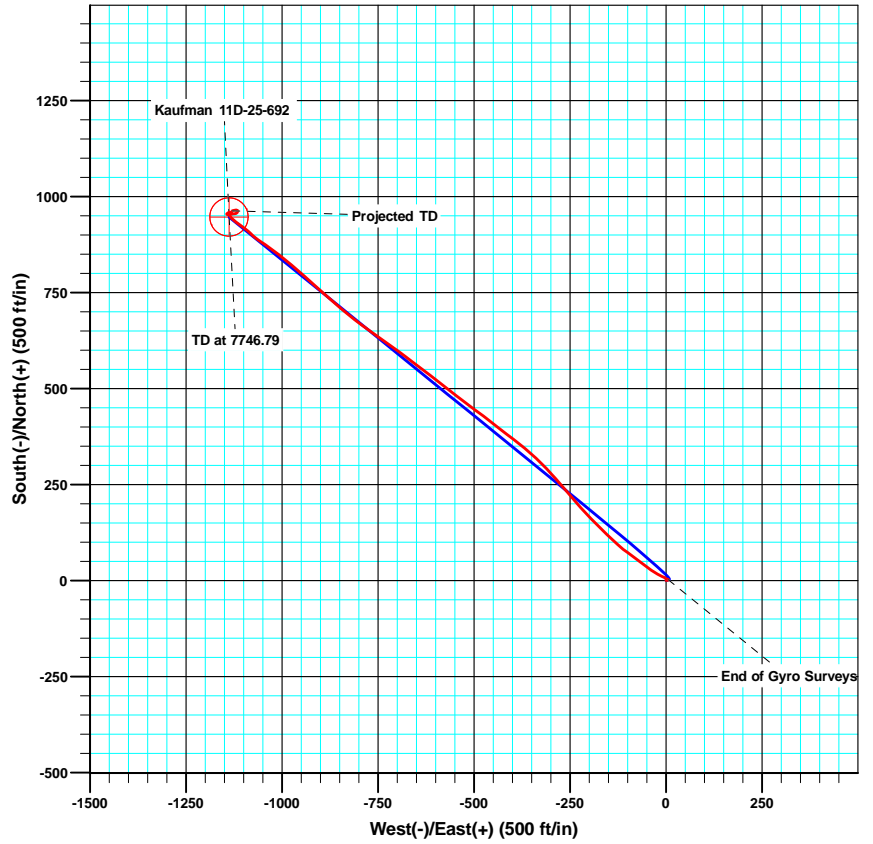
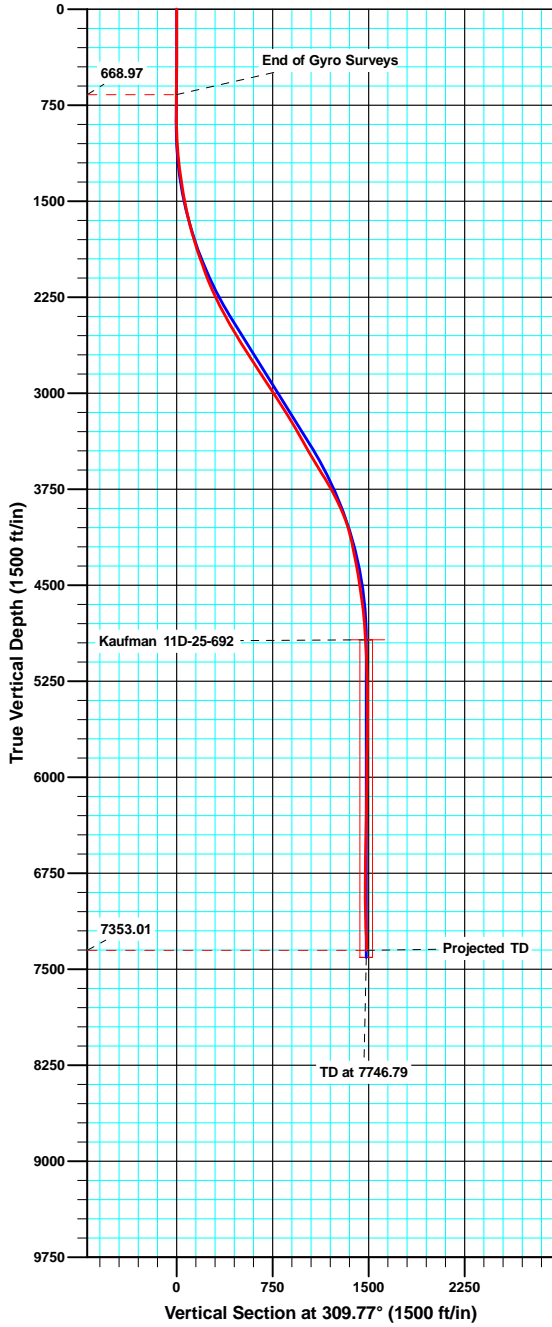
12 March, 2012

WELL DETAILS: Kaufman 11D-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 1614847.11 2402293.36 39° 30' 8.64 N 107° 37' 6.26 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
668.97	669.00	0.980	78.32	2.29	5.51	-2.77	6.39	End of Gyro Surveys
7353.01	7692.00	3.300	252.20	962.85	-1129.51	1484.10	1563.70	Projected TD



Sharewell Survey Report

Company: Bill Barrett Corp.	Local Co-ordinate Reference: Well Kaufman 11D-25-692
Project: Garfield Co., CO (NAD83)	TVD Reference: KB @ 5863.01ft
Site: Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference: KB @ 5863.01ft
Well: Kaufman 11D-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 11D-25-692					
Well Position	+N/-S	0.00 ft	Northing:	1,614,847.11 usft	Latitude: 39° 30' 8.64 N
	+E/-W	0.00 ft	Easting:	2,402,293.36 usft	Longitude: 107° 37' 6.26 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	309.77	

Survey Program		Date 3/12/2012
From (ft)	To (ft)	Survey (Wellbore)
123.00	669.00	Survey #1 (Wellbore #1)
782.00	7,692.00	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	0.530	39.48	123.00	0.44	0.36	0.00	0.43	0.43	0.00	
223.00	0.380	45.34	223.00	1.03	0.89	-0.03	0.16	-0.15	5.86	
323.00	0.650	55.03	322.99	1.59	1.59	-0.21	0.28	0.27	9.69	
423.00	0.700	69.68	422.98	2.12	2.63	-0.66	0.18	0.05	14.65	
523.00	0.620	86.22	522.98	2.37	3.74	-1.36	0.21	-0.08	16.54	
623.00	0.680	102.89	622.97	2.28	4.86	-2.28	0.20	0.06	16.67	
669.00	0.980	78.32	668.97	2.29	5.51	-2.77	1.00	0.65	-53.41	
782.00	0.300	136.10	781.96	2.28	6.66	-3.67	0.76	-0.60	51.13	
871.00	0.500	270.50	870.96	2.11	6.44	-3.60	0.83	0.22	151.01	

Sharewell Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Kaufman 11D-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 5863.01ft
Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	KB @ 5863.01ft
Well:	Kaufman 11D-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)
879.00	0.500	270.50	878.96	2.11	6.37	-3.54	0.00	0.00	0.00
971.00	2.900	295.10	970.91	3.10	3.86	-0.98	2.67	2.61	26.74
1,065.00	4.600	303.80	1,064.71	6.21	-1.43	5.07	1.90	1.81	9.26
1,160.00	6.100	296.50	1,159.29	10.58	-9.11	13.77	1.73	1.58	-7.68
1,255.00	6.900	296.20	1,253.68	15.35	-18.75	24.23	0.84	0.84	-0.32
1,350.00	8.300	301.50	1,347.85	21.46	-29.72	36.57	1.65	1.47	5.58
1,445.00	10.000	307.00	1,441.63	30.00	-42.15	51.59	2.01	1.79	5.79
1,538.00	11.300	307.00	1,533.03	40.35	-55.88	68.76	1.40	1.40	0.00
1,634.00	12.700	306.10	1,626.93	52.22	-71.92	88.68	1.47	1.46	-0.94
1,729.00	15.300	306.60	1,719.10	65.85	-90.42	111.62	2.74	2.74	0.53
1,822.00	17.100	308.30	1,808.40	81.64	-111.00	137.55	2.00	1.94	1.83
1,917.00	18.300	313.00	1,898.91	100.47	-132.87	166.40	1.96	1.26	4.95
2,012.00	19.400	314.00	1,988.81	121.61	-155.13	197.03	1.21	1.16	1.05
2,107.00	21.200	314.90	2,077.91	144.69	-178.65	229.88	1.92	1.89	0.95
2,201.00	23.100	316.80	2,164.97	170.14	-203.31	265.11	2.16	2.02	2.02
2,296.00	25.700	319.00	2,251.48	199.27	-229.59	303.94	2.90	2.74	2.32
2,391.00	27.600	319.00	2,336.38	231.43	-257.54	346.00	2.00	2.00	0.00
2,485.00	29.600	319.00	2,418.91	265.39	-287.06	390.41	2.13	2.13	0.00
2,580.00	31.000	315.00	2,500.94	300.40	-319.76	437.94	2.58	1.47	-4.21
2,674.00	31.700	312.00	2,581.22	334.04	-355.23	486.73	1.82	0.74	-3.19
2,768.00	31.900	306.30	2,661.13	365.28	-393.61	536.21	3.20	0.21	-6.06
2,863.00	33.400	308.20	2,741.12	396.31	-434.39	587.41	1.91	1.58	2.00
2,958.00	33.000	307.80	2,820.61	428.34	-475.38	639.40	0.48	-0.42	-0.42
3,053.00	31.800	306.20	2,900.82	458.98	-516.03	690.24	1.55	-1.26	-1.68
3,148.00	34.300	308.70	2,980.45	490.51	-557.12	742.00	3.00	2.63	2.63
3,243.00	33.300	306.90	3,059.39	522.90	-598.87	794.81	1.49	-1.05	-1.89
3,337.00	32.400	308.00	3,138.36	553.90	-639.35	845.75	1.15	-0.96	1.17
3,432.00	30.700	306.70	3,219.31	584.07	-678.86	895.41	1.93	-1.79	-1.37
3,527.00	29.300	305.50	3,301.59	612.06	-717.23	942.81	1.60	-1.47	-1.26
3,621.00	30.000	305.20	3,383.28	638.96	-755.15	989.18	0.76	0.74	-0.32
3,716.00	30.400	307.00	3,465.38	667.12	-793.76	1,036.86	1.04	0.42	1.89
3,810.00	31.200	309.80	3,546.13	697.02	-831.46	1,084.97	1.75	0.85	2.98
3,905.00	31.600	311.00	3,627.22	729.10	-869.15	1,134.46	0.78	0.42	1.26
4,000.00	29.900	311.10	3,708.86	761.00	-905.78	1,183.02	1.79	-1.79	0.11
4,095.00	27.900	311.20	3,792.02	791.21	-940.35	1,228.91	2.11	-2.11	0.11
4,190.00	24.600	310.70	3,877.22	818.75	-972.07	1,270.91	3.48	-3.47	-0.53
4,285.00	21.700	309.50	3,964.56	842.82	-1,000.62	1,308.26	3.09	-3.05	-1.26
4,380.00	16.600	307.00	4,054.27	862.17	-1,025.03	1,339.39	5.44	-5.37	-2.63
4,475.00	12.600	301.90	4,146.19	875.82	-1,044.67	1,363.22	4.42	-4.21	-5.37
4,570.00	11.500	305.80	4,239.10	886.83	-1,061.15	1,382.94	1.44	-1.16	4.11
4,665.00	11.100	313.00	4,332.26	898.61	-1,075.52	1,401.51	1.54	-0.42	7.58
4,759.00	9.200	309.50	4,424.78	909.56	-1,087.94	1,418.06	2.12	-2.02	-3.72
4,854.00	8.700	308.00	4,518.63	918.82	-1,099.46	1,432.84	0.58	-0.53	-1.58

Sharewell Survey Report

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Kaufman 11D-25-692
Project:	Garfield Co., CO (NAD83)	TVD Reference:	KB @ 5863.01ft
Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	KB @ 5863.01ft
Well:	Kaufman 11D-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)
4,949.00	7.700	307.80	4,612.66	927.14	-1,110.15	1,446.38	1.05	-1.05	-0.21
5,044.00	5.900	304.00	4,706.98	933.77	-1,119.23	1,457.60	1.95	-1.89	-4.00
5,138.00	4.600	311.00	4,800.59	938.95	-1,126.08	1,466.18	1.54	-1.38	7.45
5,233.00	3.600	319.70	4,895.34	943.72	-1,130.88	1,472.92	1.24	-1.05	9.16
5,328.00	3.200	321.40	4,990.18	948.07	-1,134.47	1,478.46	0.43	-0.42	1.79
5,422.00	2.300	309.10	5,084.07	951.31	-1,137.57	1,482.91	1.14	-0.96	-13.09
5,517.00	1.800	282.80	5,179.01	952.84	-1,140.50	1,486.15	1.11	-0.53	-27.68
5,612.00	1.600	304.00	5,273.97	953.91	-1,143.06	1,488.80	0.69	-0.21	22.32
5,707.00	0.500	29.90	5,368.96	955.02	-1,143.95	1,490.19	1.73	-1.16	90.42
5,802.00	0.700	65.90	5,463.95	955.61	-1,143.21	1,490.01	0.44	0.21	37.89
5,897.00	2.000	49.10	5,558.92	956.93	-1,141.43	1,489.48	1.42	1.37	-17.68
5,992.00	1.600	60.30	5,653.88	958.68	-1,139.03	1,488.75	0.56	-0.42	11.79
6,087.00	1.200	76.60	5,748.85	959.56	-1,136.91	1,487.69	0.59	-0.42	17.16
6,181.00	0.900	115.10	5,842.83	959.48	-1,135.28	1,486.38	0.80	-0.32	40.96
6,273.00	0.800	113.60	5,934.82	958.92	-1,134.04	1,485.07	0.11	-0.11	-1.63
6,368.00	0.400	334.80	6,029.82	958.95	-1,133.57	1,484.73	1.19	-0.42	-146.11
6,463.00	0.600	135.90	6,124.82	958.89	-1,133.37	1,484.54	1.04	0.21	169.58
6,558.00	1.300	158.80	6,219.80	957.53	-1,132.63	1,483.10	0.82	0.74	24.11
6,653.00	1.600	165.00	6,314.77	955.24	-1,131.90	1,481.07	0.36	0.32	6.53
6,747.00	1.300	66.00	6,408.76	954.41	-1,130.58	1,479.53	2.35	-0.32	-105.32
6,842.00	2.900	83.10	6,503.69	955.14	-1,127.21	1,477.40	1.79	1.68	18.00
6,937.00	2.300	86.60	6,598.59	955.54	-1,122.92	1,474.37	0.65	-0.63	3.68
7,032.00	2.500	67.40	6,693.51	956.45	-1,119.11	1,472.01	0.87	0.21	-20.21
7,127.00	2.500	20.80	6,788.43	959.18	-1,116.46	1,471.73	2.08	0.00	-49.05
7,222.00	2.000	9.80	6,883.36	962.75	-1,115.44	1,473.23	0.69	-0.53	-11.58
7,317.00	1.100	269.70	6,978.33	964.38	-1,116.07	1,474.75	2.57	-0.95	-105.37
7,412.00	0.400	318.90	7,073.32	964.63	-1,117.20	1,475.78	0.94	-0.74	51.79
7,507.00	2.700	271.70	7,168.28	964.94	-1,119.66	1,477.87	2.57	2.42	-49.68
7,601.00	3.300	255.20	7,262.16	964.32	-1,124.48	1,481.18	1.11	0.64	-17.55
7,692.00	3.300	252.20	7,353.01	962.85	-1,129.51	1,484.10	0.19	0.00	-3.30

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
669.00	668.97	2.29	5.51	End of Gyro Surveys
7,692.00	7,353.01	962.85	-1,129.51	Projected TD

Checked By: _____ Approved By: _____ Date: _____