

Bill Barrett Corp.

Garfield Co., CO (NAD83)

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

Kaufman 21D-25-692

Wellbore #1

Design: Wellbore #1

Standard Survey Report

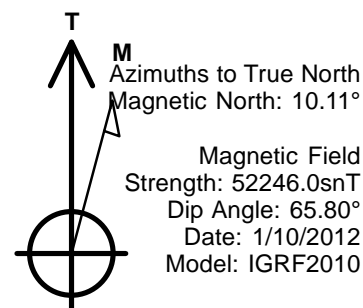
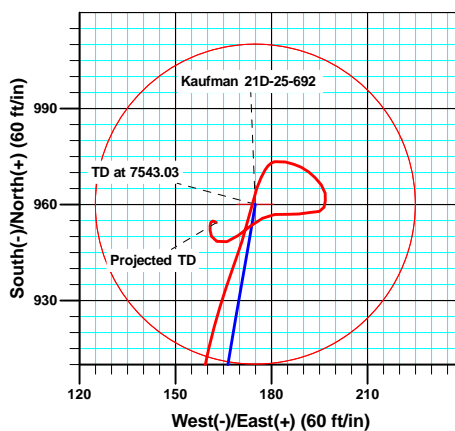
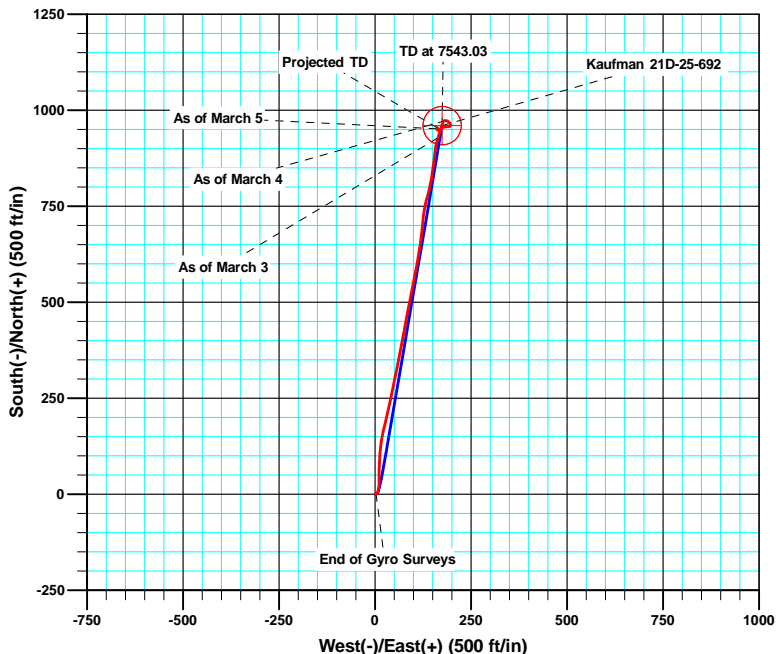
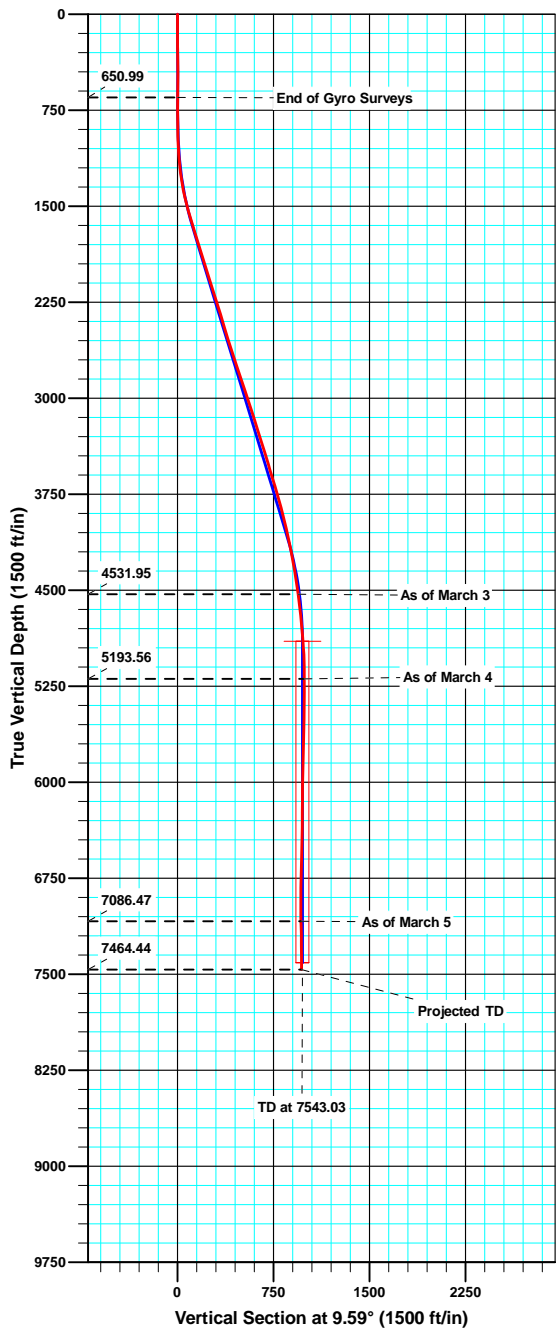
07 March, 2012

WELL DETAILS: Kaufman 21D-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 1614853.94 Easting 2402297.47 Latitude 39° 30' 8.71 N Longitude 107° 37' 6.21 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Departure	Annotation
650.99	651.00	0.710	82.52	1.27	2.96	1.75	3.49	End of Gyro Surveys
4531.95	4664.00	7.700	17.50	928.09	163.88	942.43	947.55	As of March 3
5193.56	5328.00	2.000	105.60	973.31	184.27	990.40	1000.34	As of March 4
7086.47	7222.00	1.000	359.90	951.94	160.85	965.43	1063.13	As of March 5
7464.44	7600.00	0.800	119.20	954.39	162.74	968.16	1067.84	Projected TD



Sharewell Survey Report

Company: Bill Barrett Corp.	Local Co-ordinate Reference: Well Kaufman 21D-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 21D-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 21D-25-692					
Well Position	+N/-S	0.00 ft	Northing:	1,614,853.94 usft	Latitude: 39° 30' 8.71 N
	+E/-W	0.00 ft	Easting:	2,402,297.47 usft	Longitude: 107° 37' 6.21 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	9.59	

Survey Program		Date 3/7/2012
From (ft)	To (ft)	Survey (Wellbore)
123.00	651.00	Survey #1 (Wellbore #1)
787.00	7,600.00	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	0.250	103.42	123.00	-0.06	0.26	-0.02	0.20	0.20	0.00	
223.00	0.400	64.57	223.00	0.04	0.79	0.17	0.26	0.15	-38.85	
323.00	0.220	17.18	323.00	0.37	1.16	0.56	0.30	-0.18	-47.39	
423.00	0.360	77.55	423.00	0.62	1.52	0.87	0.32	0.14	60.37	
523.00	0.470	64.49	522.99	0.87	2.20	1.22	0.14	0.11	-13.06	
623.00	0.270	46.44	622.99	1.20	2.74	1.64	0.23	-0.20	-18.05	
651.00	0.710	82.52	650.99	1.27	2.96	1.75	1.85	1.57	128.86	
787.00	0.100	169.60	786.99	1.27	3.82	1.88	0.52	-0.45	64.03	
879.00	0.800	47.30	878.98	1.62	4.30	2.32	0.93	0.76	-132.93	

Sharewell

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Site:	Kaufman Pad #2 (Sec.25-T6S-R92W)	MD Reference:	WELL @ 5863.01ft
Well:	Kaufman 21D-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)
971.00	1.600	36.20	970.96	3.09	5.54	3.97	0.90	0.87	-12.07
1,065.00	2.900	17.20	1,064.89	6.43	7.01	7.50	1.58	1.38	-20.21
1,160.00	4.900	15.60	1,159.66	12.63	8.82	13.92	2.11	2.11	-1.68
1,255.00	8.100	3.60	1,254.05	23.22	10.33	24.62	3.64	3.37	-12.63
1,350.00	10.900	1.00	1,347.73	38.88	10.90	40.16	2.98	2.95	-2.74
1,445.00	13.000	359.70	1,440.67	58.55	11.01	59.57	2.23	2.21	-1.37
1,538.00	15.600	1.90	1,530.78	81.51	11.37	82.27	2.86	2.80	2.37
1,632.00	17.200	5.30	1,620.96	107.99	13.07	108.65	1.98	1.70	3.62
1,727.00	17.300	8.30	1,711.69	135.95	16.40	136.78	0.94	0.11	3.16
1,822.00	17.800	13.30	1,802.27	164.06	21.78	165.40	1.67	0.53	5.26
1,916.00	17.100	13.10	1,891.94	191.50	28.22	193.53	0.75	-0.74	-0.21
2,011.00	16.700	11.30	1,982.84	218.49	34.06	221.11	0.69	-0.42	-1.89
2,106.00	17.300	13.50	2,073.69	245.61	40.03	248.85	0.93	0.63	2.32
2,201.00	17.900	11.60	2,164.24	273.65	46.27	277.53	0.87	0.63	-2.00
2,296.00	17.700	10.00	2,254.70	302.17	51.71	306.57	0.56	-0.21	-1.68
2,391.00	17.400	13.10	2,345.28	330.23	57.44	335.19	1.03	-0.32	3.26
2,485.00	16.900	11.30	2,435.10	357.32	63.30	362.87	0.78	-0.53	-1.91
2,580.00	16.700	9.70	2,526.04	384.31	68.31	390.32	0.53	-0.21	-1.68
2,674.00	17.800	11.90	2,615.81	411.69	73.55	418.19	1.36	1.17	2.34
2,768.00	18.200	8.90	2,705.21	440.25	78.78	447.22	1.07	0.43	-3.19
2,863.00	18.400	11.50	2,795.41	469.60	84.06	477.04	0.88	0.21	2.74
2,958.00	18.600	10.20	2,885.50	499.20	89.74	507.18	0.48	0.21	-1.37
3,053.00	18.900	12.70	2,975.46	529.13	95.80	537.69	0.90	0.32	2.63
3,148.00	18.000	11.00	3,065.58	558.54	101.99	567.73	1.10	-0.95	-1.79
3,243.00	17.700	10.60	3,156.01	587.15	107.44	596.84	0.34	-0.32	-0.42
3,337.00	17.800	9.50	3,245.53	615.36	112.44	625.50	0.37	0.11	-1.17
3,432.00	17.400	8.00	3,336.08	643.75	116.82	654.22	0.64	-0.42	-1.58
3,527.00	17.000	7.20	3,426.84	671.60	120.53	682.29	0.49	-0.42	-0.84
3,621.00	16.000	6.10	3,516.96	698.11	123.63	708.95	1.11	-1.06	-1.17
3,716.00	17.100	6.00	3,608.03	725.02	126.48	735.96	1.16	1.16	-0.11
3,810.00	17.100	12.40	3,697.88	752.27	130.90	763.56	2.00	0.00	6.81
3,905.00	15.600	15.20	3,789.04	778.24	137.25	790.23	1.78	-1.58	2.95
4,000.00	14.900	13.40	3,880.69	802.44	143.43	815.12	0.89	-0.74	-1.89
4,095.00	13.700	8.40	3,972.75	825.46	147.90	838.56	1.81	-1.26	-5.26
4,190.00	12.300	7.90	4,065.31	846.61	150.93	859.92	1.48	-1.47	-0.53
4,285.00	10.800	6.90	4,158.39	865.47	153.39	878.93	1.59	-1.58	-1.05
4,380.00	10.500	5.60	4,251.75	882.92	155.31	896.46	0.40	-0.32	-1.37
4,475.00	10.200	9.20	4,345.20	899.84	157.50	913.50	0.75	-0.32	3.79
4,570.00	8.700	12.70	4,438.91	915.15	160.42	929.09	1.69	-1.58	3.68
4,664.00	7.700	17.50	4,531.95	928.09	163.88	942.43	1.29	-1.06	5.11
4,759.00	6.600	19.40	4,626.21	939.31	167.61	954.11	1.18	-1.16	2.00
4,853.00	5.500	18.00	4,719.69	948.69	170.79	963.89	1.18	-1.17	-1.49
4,948.00	5.200	12.90	4,814.27	957.22	173.16	972.69	0.59	-0.32	-5.37

Sharewell

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Design: Wellbore #1	Database: CompassVM

Survey										
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5,043.00	4.700	19.40	4,908.92	965.09	175.41	980.82	0.79	-0.53	6.84	
5,138.00	3.000	31.00	5,003.70	970.89	177.99	986.97	1.96	-1.79	12.21	
5,233.00	2.100	77.90	5,098.62	973.39	180.97	989.93	2.31	-0.95	49.37	
5,328.00	2.000	105.60	5,193.56	973.31	184.27	990.40	1.04	-0.11	29.16	
5,422.00	1.500	105.80	5,287.52	972.53	187.03	990.10	0.53	-0.53	0.21	
5,517.00	1.600	118.00	5,382.48	971.57	189.40	989.54	0.36	0.11	12.84	
5,612.00	1.600	125.40	5,477.44	970.18	191.65	988.55	0.22	0.00	7.79	
5,707.00	1.600	138.70	5,572.41	968.41	193.61	987.13	0.39	0.00	14.00	
5,802.00	1.900	139.50	5,667.36	966.22	195.51	985.29	0.32	0.32	0.84	
5,897.00	1.800	171.60	5,762.32	963.55	196.75	982.86	1.08	-0.11	33.79	
5,992.00	1.100	188.90	5,857.29	961.17	196.82	980.53	0.86	-0.74	18.21	
6,086.00	1.400	195.30	5,951.26	959.17	196.38	978.48	0.35	0.32	6.81	
6,181.00	1.400	258.80	6,046.24	957.82	194.94	976.92	1.55	0.00	66.84	
6,273.00	2.500	266.10	6,138.19	957.47	191.83	976.05	1.22	1.20	7.93	
6,368.00	1.500	257.20	6,233.13	957.05	188.55	975.09	1.10	-1.05	-9.37	
6,463.00	2.600	274.10	6,328.07	956.93	185.19	974.41	1.31	1.16	17.79	
6,558.00	2.500	263.90	6,422.97	956.87	180.98	973.64	0.49	-0.11	-10.74	
6,652.00	2.500	242.10	6,516.88	955.69	177.13	971.84	1.01	0.00	-23.19	
6,747.00	3.000	233.20	6,611.78	953.23	173.31	968.78	0.69	0.53	-9.37	
6,842.00	2.700	231.30	6,706.66	950.34	169.57	965.31	0.33	-0.32	-2.00	
6,937.00	2.200	254.40	6,801.57	948.45	166.07	962.86	1.15	-0.53	24.32	
7,032.00	1.800	291.80	6,896.52	948.52	162.93	962.40	1.41	-0.42	39.37	
7,127.00	1.300	341.30	6,991.49	950.09	161.20	963.67	1.45	-0.53	52.11	
7,222.00	1.000	359.90	7,086.47	951.94	160.85	965.43	0.50	-0.32	19.58	
7,317.00	0.700	358.90	7,181.46	953.35	160.84	966.82	0.32	-0.32	-1.05	
7,412.00	0.600	18.40	7,276.45	954.40	160.98	967.88	0.25	-0.11	20.53	
7,507.00	0.600	89.80	7,371.45	954.88	161.64	968.46	0.74	0.00	75.16	
7,550.00	0.800	119.20	7,414.44	954.73	162.13	968.40	0.94	0.47	68.37	
7,600.00	0.800	119.20	7,464.44	954.39	162.74	968.16	0.00	0.00	0.00	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
651.00	650.99	1.27	2.96	End of Gyro Surveys	
4,664.00	4,531.95	928.09	163.88	As of March 3	
5,328.00	5,193.56	973.31	184.27	As of March 4	
7,222.00	7,086.47	951.94	160.85	As of March 5	
7,600.00	7,464.44	954.39	162.74	Projected TD	

Checked By: _____ Approved By: _____ Date: _____