



Bill Barrett Corp.

Garfield County, Colorado

Kaufman 6 Pad

Kaufman 32C-24-692

Wellbore #1

Plan: plan1 02jun10 smw

Standard Planning Report

03 June, 2010





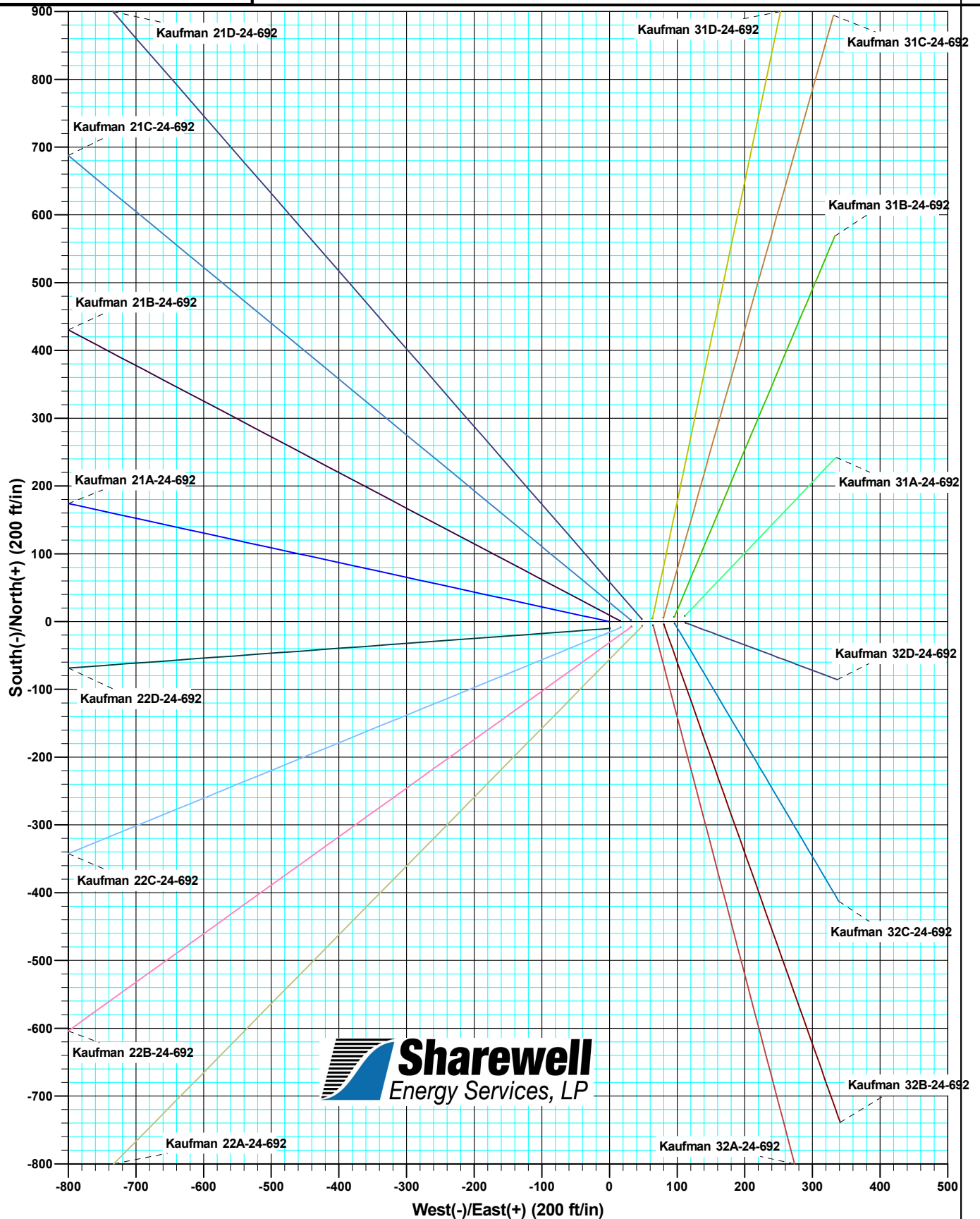


Bill Barrett Corporation

WELL DETAILS: Kaufman 6 Pad

Ground Level: 5763.00

North American Datum 1983	US State Plane 1983	Colorado Central Zone			
+N/-S	+E/-W	North	Easting	Latitude	Longitude
0.00	0.00	1619793.94	2403552.19	39° 30' 57.81 N	107° 36' 51.67 W



Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32C-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32C-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Project	Garfield County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		Kaufman 6 Pad			
Site Position:		Northing:	1,619,793.95 usft	Latitude:	39° 30' 57.81 N
From:	Lat/Long	Easting:	2,403,552.20 usft	Longitude:	107° 36' 51.67 W
Position Uncertainty:	0.00 ft	Slot Radius:	0.00 ft	Grid Convergence:	-1.33

Well	Kaufman 32C-24-692					
Well Position	+N/-S	-2.92 ft	Northing:	1,619,788.78 usft	Latitude:	39° 30' 57.78 N
	+E/-W	96.49 ft	Easting:	2,403,648.59 usft	Longitude:	107° 36' 50.44 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,763.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	06/02/10	10.29	65.87	52,446

Design	plan1 02jun10 smw			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	149.37

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,310.23	7.76	149.37	1,309.29	-18.04	10.68	2.50	2.50	0.00	149.37	
4,489.42	7.76	149.37	4,459.39	-387.21	229.28	0.00	0.00	0.00	0.00	
4,877.21	0.00	0.00	4,846.00	-409.76	242.63	2.00	-2.00	0.00	180.00	Kaufman 32C Top of
8,132.21	0.00	0.00	8,101.00	-409.76	242.63	0.00	0.00	0.00	0.00	Kaufman 32C PBHL 1

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32C-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32C-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Planned 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)	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.50										
1,100.00	2.50	149.37	1,099.97	-1.88	1.11	2.18	2.50	2.50	0.00	
1,200.00	5.00	149.37	1,199.75	-7.50	4.44	8.72	2.50	2.50	0.00	
1,300.00	7.50	149.37	1,299.14	-16.87	9.99	19.61	2.50	2.50	0.00	
1,310.23	7.76	149.37	1,309.29	-18.04	10.68	20.97	2.50	2.50	0.00	
Start 3179.19 hold at 1310.23 MD										
1,400.00	7.76	149.37	1,398.23	-28.46	16.85	33.08	0.00	0.00	0.00	
1,500.00	7.76	149.37	1,497.32	-40.08	23.73	46.57	0.00	0.00	0.00	
1,600.00	7.76	149.37	1,596.40	-51.69	30.61	60.07	0.00	0.00	0.00	
1,700.00	7.76	149.37	1,695.49	-63.30	37.48	73.56	0.00	0.00	0.00	
1,800.00	7.76	149.37	1,794.57	-74.91	44.36	87.06	0.00	0.00	0.00	
1,900.00	7.76	149.37	1,893.66	-86.52	51.23	100.56	0.00	0.00	0.00	
2,000.00	7.76	149.37	1,992.74	-98.14	58.11	114.05	0.00	0.00	0.00	
2,100.00	7.76	149.37	2,091.83	-109.75	64.98	127.55	0.00	0.00	0.00	
2,200.00	7.76	149.37	2,190.91	-121.36	71.86	141.04	0.00	0.00	0.00	
2,300.00	7.76	149.37	2,290.00	-132.97	78.74	154.54	0.00	0.00	0.00	
2,400.00	7.76	149.37	2,389.08	-144.59	85.61	168.03	0.00	0.00	0.00	
2,500.00	7.76	149.37	2,488.17	-156.20	92.49	181.53	0.00	0.00	0.00	
2,600.00	7.76	149.37	2,587.25	-167.81	99.36	195.02	0.00	0.00	0.00	
2,700.00	7.76	149.37	2,686.34	-179.42	106.24	208.52	0.00	0.00	0.00	
2,800.00	7.76	149.37	2,785.43	-191.03	113.11	222.01	0.00	0.00	0.00	
2,900.00	7.76	149.37	2,884.51	-202.65	119.99	235.51	0.00	0.00	0.00	
3,000.00	7.76	149.37	2,983.60	-214.26	126.87	249.00	0.00	0.00	0.00	
3,100.00	7.76	149.37	3,082.68	-225.87	133.74	262.50	0.00	0.00	0.00	
3,200.00	7.76	149.37	3,181.77	-237.48	140.62	275.99	0.00	0.00	0.00	
3,300.00	7.76	149.37	3,280.85	-249.10	147.49	289.49	0.00	0.00	0.00	
3,400.00	7.76	149.37	3,379.94	-260.71	154.37	302.98	0.00	0.00	0.00	
3,500.00	7.76	149.37	3,479.02	-272.32	161.25	316.48	0.00	0.00	0.00	
3,547.41	7.76	149.37	3,526.00	-277.83	164.51	322.88	0.00	0.00	0.00	
Mesaverde										
3,600.00	7.76	149.37	3,578.11	-283.93	168.12	329.97	0.00	0.00	0.00	
3,700.00	7.76	149.37	3,677.19	-295.54	175.00	343.47	0.00	0.00	0.00	
3,800.00	7.76	149.37	3,776.28	-307.16	181.87	356.96	0.00	0.00	0.00	
3,900.00	7.76	149.37	3,875.36	-318.77	188.75	370.46	0.00	0.00	0.00	
4,000.00	7.76	149.37	3,974.45	-330.38	195.62	383.95	0.00	0.00	0.00	
4,100.00	7.76	149.37	4,073.53	-341.99	202.50	397.45	0.00	0.00	0.00	
4,200.00	7.76	149.37	4,172.62	-353.60	209.38	410.94	0.00	0.00	0.00	
4,300.00	7.76	149.37	4,271.70	-365.22	216.25	424.44	0.00	0.00	0.00	
4,385.07	7.76	149.37	4,356.00	-375.10	222.10	435.92	0.00	0.00	0.00	
Price Coal										
4,400.00	7.76	149.37	4,370.79	-376.83	223.13	437.93	0.00	0.00	0.00	
4,489.42	7.76	149.37	4,459.39	-387.21	229.28	450.00	0.00	0.00	0.00	
Start Drop -2.00										
4,500.00	7.54	149.37	4,469.88	-388.42	229.99	451.41	2.00	-2.00	0.00	
4,600.00	5.54	149.37	4,569.22	-398.23	235.80	462.81	2.00	-2.00	0.00	
4,700.00	3.54	149.37	4,668.90	-405.05	239.84	470.73	2.00	-2.00	0.00	
4,800.00	1.54	149.37	4,768.80	-408.87	242.10	475.17	2.00	-2.00	0.00	
4,877.21	0.00	0.00	4,846.00	-409.76	242.63	476.21	2.00	-2.00	0.00	
Start 3255.00 hold at 4877.21 MD - Top of Gas - Kaufman 32C Top of Gas										
4,900.00	0.00	0.00	4,868.79	-409.76	242.63	476.21	0.00	0.00	0.00	
5,000.00	0.00	0.00	4,968.79	-409.76	242.63	476.21	0.00	0.00	0.00	
5,100.00	0.00	0.00	5,068.79	-409.76	242.63	476.21	0.00	0.00	0.00	

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32C-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32C-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Planned 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)
5,200.00	0.00	0.00	5,168.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,300.00	0.00	0.00	5,268.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,400.00	0.00	0.00	5,368.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,500.00	0.00	0.00	5,468.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,600.00	0.00	0.00	5,568.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,700.00	0.00	0.00	5,668.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,800.00	0.00	0.00	5,768.79	-409.76	242.63	476.21	0.00	0.00	0.00
5,900.00	0.00	0.00	5,868.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,000.00	0.00	0.00	5,968.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,100.00	0.00	0.00	6,068.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,200.00	0.00	0.00	6,168.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,300.00	0.00	0.00	6,268.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,400.00	0.00	0.00	6,368.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,500.00	0.00	0.00	6,468.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,600.00	0.00	0.00	6,568.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,700.00	0.00	0.00	6,668.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,800.00	0.00	0.00	6,768.79	-409.76	242.63	476.21	0.00	0.00	0.00
6,900.00	0.00	0.00	6,868.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,000.00	0.00	0.00	6,968.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,100.00	0.00	0.00	7,068.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,147.21	0.00	0.00	7,116.00	-409.76	242.63	476.21	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	7,168.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,300.00	0.00	0.00	7,268.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,400.00	0.00	0.00	7,368.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,500.00	0.00	0.00	7,468.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,600.00	0.00	0.00	7,568.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,700.00	0.00	0.00	7,668.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,800.00	0.00	0.00	7,768.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,900.00	0.00	0.00	7,868.79	-409.76	242.63	476.21	0.00	0.00	0.00
7,932.21	0.00	0.00	7,901.00	-409.76	242.63	476.21	0.00	0.00	0.00
Corcoran									
8,000.00	0.00	0.00	7,968.79	-409.76	242.63	476.21	0.00	0.00	0.00
8,100.00	0.00	0.00	8,068.79	-409.76	242.63	476.21	0.00	0.00	0.00
8,132.21	0.00	0.00	8,101.00	-409.76	242.63	476.21	0.00	0.00	0.00
TD at 8132.21 - Kaufman 32C PBHL 1837 FNL, 1958 FEL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Kaufman 32C Top of Ga - plan hits target center - Circle (radius 25.00)	0.00	0.00	4,846.00	-409.76	242.63	1,619,373.48	2,403,881.62	39° 30' 53.73 N	107° 36' 47.35 W
Kaufman 32C PBHL 1837 - plan hits target center - Point	0.00	0.00	8,101.00	-409.76	242.63	1,619,373.48	2,403,881.62	39° 30' 53.73 N	107° 36' 47.35 W

Database:	SWFS01	Local Co-ordinate Reference:	Well Kaufman 32C-24-692
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 5786.00ft
Project:	Garfield County, Colorado	MD Reference:	KB @ 5786.00ft
Site:	Kaufman 6 Pad	North Reference:	True
Well:	Kaufman 32C-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	plan1 02jun10 smw		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,547.41	3,526.00	Mesaverde		0.00	
4,385.07	4,356.00	Price Coal		0.00	
4,877.21	4,846.00	Top of Gas		0.00	
7,147.21	7,116.00	Rollins		0.00	
7,932.21	7,901.00	Corcoran		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,000.00	1,000.00	0.00	0.00	Start Build 2.50	
1,310.23	1,309.29	-18.04	10.68	Start 3179.19 hold at 1310.23 MD	
4,489.42	4,459.39	-387.21	229.28	Start Drop -2.00	
4,877.21	4,846.00	-409.76	242.63	Start 3255.00 hold at 4877.21 MD	
8,132.21	8,101.00	-409.76	242.63	TD at 8132.21	