

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #1

CBC Fed 23C-22-692

Wellbore #1

Plan: Design #1

Standard Planning Report

24 January, 2012

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBC Fed 23C-22-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5773.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5773.00ft (Original Well Elev)
Site:	CBC #1	North Reference:	True
Well:	CBC Fed 23C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	GARFIELD COUNTY, COLORADO NAD 1983		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	CBC #1		
Site Position:		Northing:	1,617,285.528 ft
From:	Lat/Long	Easting:	2,392,460.705 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 30.449 N
		Longitude:	107° 39' 12.4092 W
		Grid Convergence:	-1.36 °

Well	CBC Fed 23C-22-692		
Well Position	+N/-S	49.53 ft	Northing:
	+E/-W	6.49 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 30.938 N
			Longitude:
			107° 39' 12.3264 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/24/2012	10.12	65.80	52,242

Design	Design #1			
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	329.92

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	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,343.83	14.60	329.92	1,337.54	64.00	-37.07	2.50	2.50	0.00	329.92	
4,753.78	14.60	329.92	4,637.44	807.56	-467.79	0.00	0.00	0.00	0.00	
5,726.83	0.00	0.00	5,600.00	914.23	-529.58	1.50	-1.50	0.00	180.00	
7,726.83	0.00	0.00	7,600.00	914.23	-529.58	0.00	0.00	0.00	0.00	CBC Fed 23C-22-6

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Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5773.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5773.00ft (Original Well Elev)
Site:	CBC #1	North Reference:	True
Well:	CBC Fed 23C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.00	329.92	800.00	0.30	-0.17	0.35	2.50	2.50	0.00	
900.00	3.50	329.92	899.91	3.70	-2.14	4.27	2.50	2.50	0.00	
1,000.00	6.00	329.92	999.56	10.86	-6.29	12.55	2.50	2.50	0.00	
1,100.00	8.50	329.92	1,098.75	21.78	-12.62	25.17	2.50	2.50	0.00	
1,200.00	11.00	329.92	1,197.30	36.44	-21.11	42.11	2.50	2.50	0.00	
1,300.00	13.50	329.92	1,295.02	54.79	-31.74	63.32	2.50	2.50	0.00	
1,343.83	14.60	329.92	1,337.54	64.00	-37.07	73.96	2.50	2.50	0.00	
1,400.00	14.60	329.92	1,391.89	76.25	-44.17	88.12	0.00	0.00	0.00	
1,500.00	14.60	329.92	1,488.67	98.05	-56.80	113.32	0.00	0.00	0.00	
1,600.00	14.60	329.92	1,585.44	119.86	-69.43	138.52	0.00	0.00	0.00	
1,700.00	14.60	329.92	1,682.21	141.66	-82.06	163.72	0.00	0.00	0.00	
1,800.00	14.60	329.92	1,778.98	163.47	-94.69	188.92	0.00	0.00	0.00	
1,900.00	14.60	329.92	1,875.76	185.28	-107.32	214.12	0.00	0.00	0.00	
2,000.00	14.60	329.92	1,972.53	207.08	-119.95	239.32	0.00	0.00	0.00	
2,100.00	14.60	329.92	2,069.30	228.89	-132.59	264.52	0.00	0.00	0.00	
2,200.00	14.60	329.92	2,166.08	250.69	-145.22	289.71	0.00	0.00	0.00	
2,300.00	14.60	329.92	2,262.85	272.50	-157.85	314.91	0.00	0.00	0.00	
2,400.00	14.60	329.92	2,359.62	294.30	-170.48	340.11	0.00	0.00	0.00	
2,500.00	14.60	329.92	2,456.39	316.11	-183.11	365.31	0.00	0.00	0.00	
2,600.00	14.60	329.92	2,553.17	337.91	-195.74	390.51	0.00	0.00	0.00	
2,700.00	14.60	329.92	2,649.94	359.72	-208.37	415.71	0.00	0.00	0.00	
2,800.00	14.60	329.92	2,746.71	381.53	-221.00	440.91	0.00	0.00	0.00	
2,900.00	14.60	329.92	2,843.48	403.33	-233.64	466.11	0.00	0.00	0.00	
3,000.00	14.60	329.92	2,940.26	425.14	-246.27	491.31	0.00	0.00	0.00	
3,100.00	14.60	329.92	3,037.03	446.94	-258.90	516.51	0.00	0.00	0.00	
3,200.00	14.60	329.92	3,133.80	468.75	-271.53	541.71	0.00	0.00	0.00	
3,300.00	14.60	329.92	3,230.58	490.55	-284.16	566.91	0.00	0.00	0.00	
3,400.00	14.60	329.92	3,327.35	512.36	-296.79	592.11	0.00	0.00	0.00	
3,500.00	14.60	329.92	3,424.12	534.16	-309.42	617.31	0.00	0.00	0.00	
3,600.00	14.60	329.92	3,520.89	555.97	-322.05	642.51	0.00	0.00	0.00	
3,700.00	14.60	329.92	3,617.67	577.78	-334.68	667.71	0.00	0.00	0.00	
3,800.00	14.60	329.92	3,714.44	599.58	-347.32	692.91	0.00	0.00	0.00	
3,900.00	14.60	329.92	3,811.21	621.39	-359.95	718.11	0.00	0.00	0.00	
4,000.00	14.60	329.92	3,907.99	643.19	-372.58	743.31	0.00	0.00	0.00	
4,100.00	14.60	329.92	4,004.76	665.00	-385.21	768.51	0.00	0.00	0.00	
4,200.00	14.60	329.92	4,101.53	686.80	-397.84	793.71	0.00	0.00	0.00	
4,300.00	14.60	329.92	4,198.30	708.61	-410.47	818.91	0.00	0.00	0.00	
4,400.00	14.60	329.92	4,295.08	730.41	-423.10	844.11	0.00	0.00	0.00	
4,500.00	14.60	329.92	4,391.85	752.22	-435.73	869.31	0.00	0.00	0.00	
4,600.00	14.60	329.92	4,488.62	774.03	-448.37	894.51	0.00	0.00	0.00	
4,700.00	14.60	329.92	4,585.40	795.83	-461.00	919.71	0.00	0.00	0.00	
4,753.78	14.60	329.92	4,637.44	807.56	-467.79	933.26	0.00	0.00	0.00	
4,800.00	13.90	329.92	4,682.24	817.40	-473.49	944.64	1.50	-1.50	0.00	
4,900.00	12.40	329.92	4,779.61	837.09	-484.90	967.39	1.50	-1.50	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5773.00ft (Original Well Elev)
Site:	CBC #1	North Reference:	True
Well:	CBC Fed 23C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)
5,000.00	10.90	329.92	4,877.55	854.57	-495.02	987.59	1.50	-1.50	0.00
5,100.00	9.40	329.92	4,975.98	869.82	-503.86	1,005.21	1.50	-1.50	0.00
5,200.00	7.90	329.92	5,074.84	882.84	-511.40	1,020.26	1.50	-1.50	0.00
5,300.00	6.40	329.92	5,174.06	893.61	-517.64	1,032.71	1.50	-1.50	0.00
5,400.00	4.90	329.92	5,273.57	902.13	-522.57	1,042.56	1.50	-1.50	0.00
5,500.00	3.40	329.92	5,373.30	908.40	-526.20	1,049.80	1.50	-1.50	0.00
5,600.00	1.90	329.92	5,473.19	912.40	-528.52	1,054.43	1.50	-1.50	0.00
5,700.00	0.40	329.92	5,573.17	914.14	-529.53	1,056.44	1.50	-1.50	0.00
5,726.83	0.00	0.00	5,600.00	914.23	-529.58	1,056.53	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,673.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
5,900.00	0.00	0.00	5,773.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,000.00	0.00	0.00	5,873.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,100.00	0.00	0.00	5,973.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,200.00	0.00	0.00	6,073.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,300.00	0.00	0.00	6,173.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,400.00	0.00	0.00	6,273.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,500.00	0.00	0.00	6,373.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,600.00	0.00	0.00	6,473.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,700.00	0.00	0.00	6,573.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,800.00	0.00	0.00	6,673.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
6,900.00	0.00	0.00	6,773.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,000.00	0.00	0.00	6,873.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,100.00	0.00	0.00	6,973.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,200.00	0.00	0.00	7,073.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,300.00	0.00	0.00	7,173.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,400.00	0.00	0.00	7,273.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,500.00	0.00	0.00	7,373.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,600.00	0.00	0.00	7,473.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,700.00	0.00	0.00	7,573.17	914.23	-529.58	1,056.53	0.00	0.00	0.00
7,726.83	0.00	0.00	7,600.00	914.23	-529.58	1,056.53	0.00	0.00	0.00

Formations

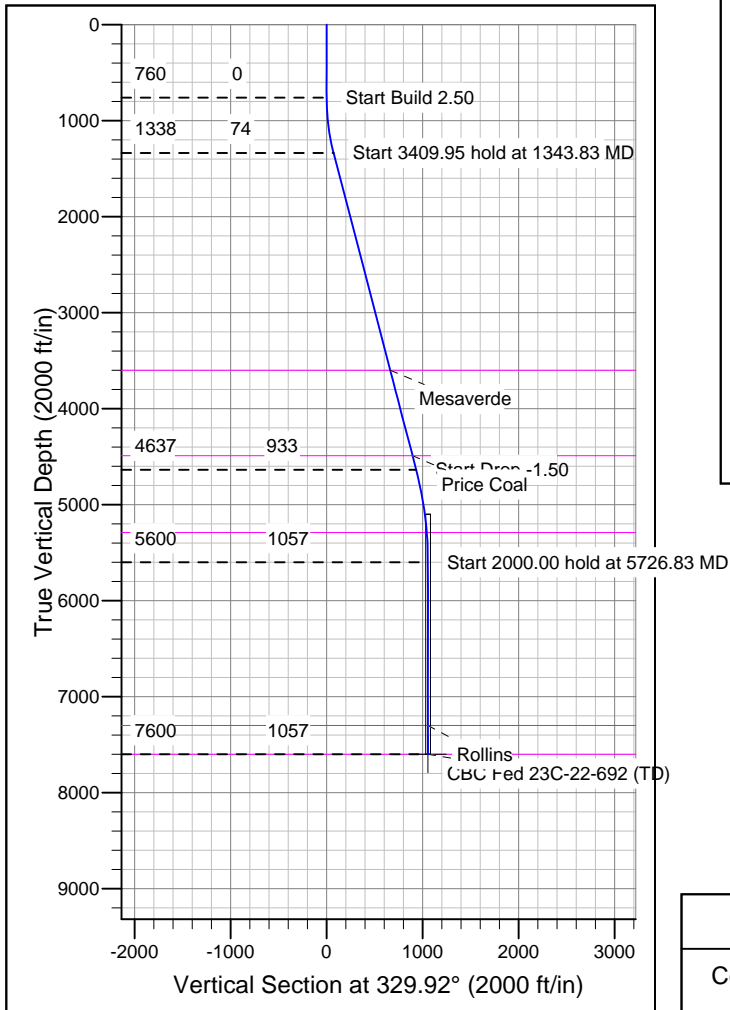
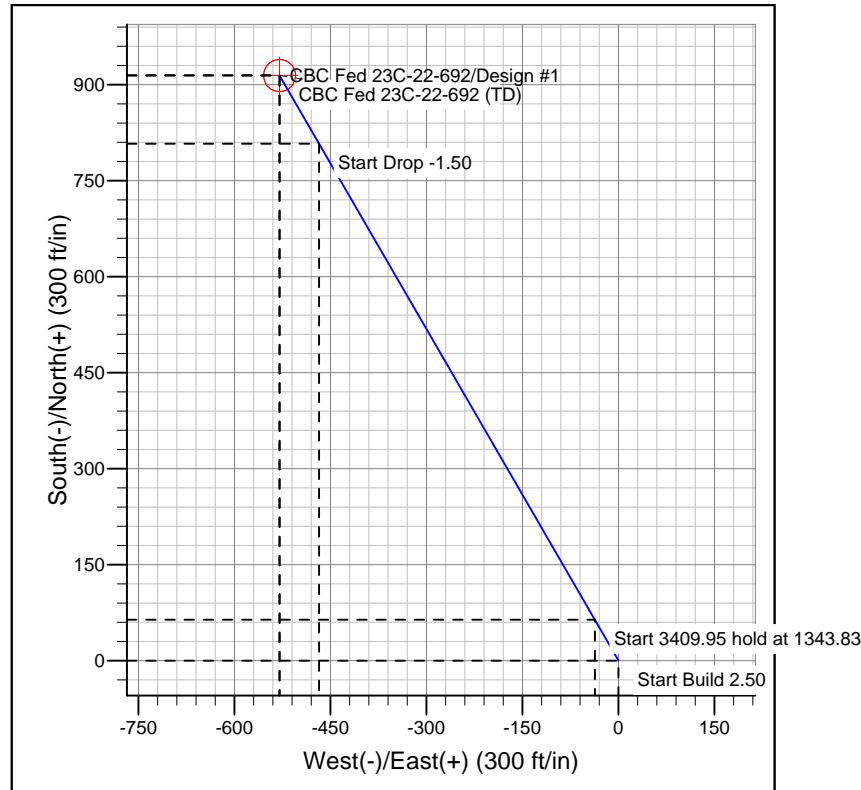
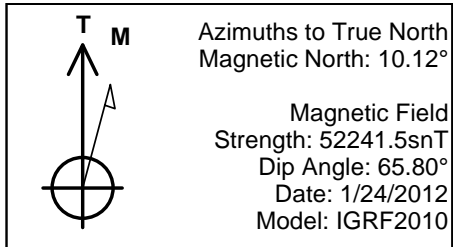
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,681.74	3,600.00	Mesaverde		0.00	
4,601.42	4,490.00	Price Coal		0.00	
5,416.49	5,290.00	Top Gas		0.00	
7,426.83	7,300.00	Rollins		0.00	
7,726.83	7,600.00	TD		0.00	

WELL DETAILS: CBC Fed 23C-22-692

+N/-S	+E/-W	Northing	Ground Level:	0.00	Longitude	Slot
0.00	0.00	1617334.889	Easting	2392468.366	39° 30' 30.938 N 107° 39' 12.3264 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
3	1343.83	14.60	329.92	1337.54	64.00	-37.07	2.50	329.92	73.96	
4	4753.78	14.60	329.92	4637.44	807.56	-467.79	0.00	0.00	933.26	
5	5726.83	0.00	0.00	5600.00	914.23	-529.58	1.50	180.00	1056.53	
6	7726.83	0.00	0.00	7600.00	914.23	-529.58	0.00	0.00	1056.53	CBC Fed 23C-22-692 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3600.00	3681.74	Mesaverde
4490.00	4601.42	Price Coal
5290.00	5416.49	Top Gas
7300.00	7426.83	Rollins
7600.00	7726.83	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC Fed 23C-22-692, True North
 Vertical (TVD) Reference: WELL @ 5773.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 5773.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature