

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #1

CBC Fed 23A-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 23A-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 23A-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 23A-22-692		
Well Position	+N/-S	29.86 ft	Northing:
	+E/-W	3.95 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 30.744 N
			Longitude:
			107° 39' 12.3588 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	52,241

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	288.61

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	
1,043.77	7.09	288.61	1,043.05	5.60	-16.63	2.50	2.50	0.00	288.61	
5,110.11	7.09	288.61	5,078.25	165.88	-492.57	0.00	0.00	0.00	0.00	
5,583.06	0.00	0.00	5,550.00	175.21	-520.28	1.50	-1.50	0.00	180.00	
7,583.06	0.00	0.00	7,550.00	175.21	-520.28	0.00	0.00	0.00	0.00	CBC Fed 23A-22-692

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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 23A-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	288.61	800.00	0.11	-0.33	0.35	2.50	2.50	0.00	
900.00	3.50	288.61	899.91	1.36	-4.05	4.27	2.50	2.50	0.00	
1,000.00	6.00	288.61	999.56	4.01	-11.90	12.55	2.50	2.50	0.00	
1,043.77	7.09	288.61	1,043.05	5.60	-16.63	17.55	2.50	2.50	0.00	
1,100.00	7.09	288.61	1,098.84	7.82	-23.21	24.49	0.00	0.00	0.00	
1,200.00	7.09	288.61	1,198.08	11.76	-34.91	36.84	0.00	0.00	0.00	
1,300.00	7.09	288.61	1,297.31	15.70	-46.62	49.19	0.00	0.00	0.00	
1,400.00	7.09	288.61	1,396.55	19.64	-58.32	61.54	0.00	0.00	0.00	
1,500.00	7.09	288.61	1,495.78	23.58	-70.03	73.89	0.00	0.00	0.00	
1,600.00	7.09	288.61	1,595.02	27.52	-81.73	86.24	0.00	0.00	0.00	
1,700.00	7.09	288.61	1,694.25	31.47	-93.44	98.59	0.00	0.00	0.00	
1,800.00	7.09	288.61	1,793.49	35.41	-105.14	110.94	0.00	0.00	0.00	
1,900.00	7.09	288.61	1,892.72	39.35	-116.84	123.29	0.00	0.00	0.00	
2,000.00	7.09	288.61	1,991.95	43.29	-128.55	135.64	0.00	0.00	0.00	
2,100.00	7.09	288.61	2,091.19	47.23	-140.25	147.99	0.00	0.00	0.00	
2,200.00	7.09	288.61	2,190.42	51.17	-151.96	160.34	0.00	0.00	0.00	
2,300.00	7.09	288.61	2,289.66	55.12	-163.66	172.69	0.00	0.00	0.00	
2,400.00	7.09	288.61	2,388.89	59.06	-175.37	185.04	0.00	0.00	0.00	
2,500.00	7.09	288.61	2,488.13	63.00	-187.07	197.39	0.00	0.00	0.00	
2,600.00	7.09	288.61	2,587.36	66.94	-198.78	209.74	0.00	0.00	0.00	
2,700.00	7.09	288.61	2,686.60	70.88	-210.48	222.09	0.00	0.00	0.00	
2,800.00	7.09	288.61	2,785.83	74.82	-222.18	234.45	0.00	0.00	0.00	
2,900.00	7.09	288.61	2,885.06	78.77	-233.89	246.80	0.00	0.00	0.00	
3,000.00	7.09	288.61	2,984.30	82.71	-245.59	259.15	0.00	0.00	0.00	
3,100.00	7.09	288.61	3,083.53	86.65	-257.30	271.50	0.00	0.00	0.00	
3,200.00	7.09	288.61	3,182.77	90.59	-269.00	283.85	0.00	0.00	0.00	
3,300.00	7.09	288.61	3,282.00	94.53	-280.71	296.20	0.00	0.00	0.00	
3,400.00	7.09	288.61	3,381.24	98.47	-292.41	308.55	0.00	0.00	0.00	
3,500.00	7.09	288.61	3,480.47	102.42	-304.12	320.90	0.00	0.00	0.00	
3,600.00	7.09	288.61	3,579.71	106.36	-315.82	333.25	0.00	0.00	0.00	
3,700.00	7.09	288.61	3,678.94	110.30	-327.52	345.60	0.00	0.00	0.00	
3,800.00	7.09	288.61	3,778.17	114.24	-339.23	357.95	0.00	0.00	0.00	
3,900.00	7.09	288.61	3,877.41	118.18	-350.93	370.30	0.00	0.00	0.00	
4,000.00	7.09	288.61	3,976.64	122.12	-362.64	382.65	0.00	0.00	0.00	
4,100.00	7.09	288.61	4,075.88	126.07	-374.34	395.00	0.00	0.00	0.00	
4,200.00	7.09	288.61	4,175.11	130.01	-386.05	407.35	0.00	0.00	0.00	
4,300.00	7.09	288.61	4,274.35	133.95	-397.75	419.70	0.00	0.00	0.00	
4,400.00	7.09	288.61	4,373.58	137.89	-409.45	432.05	0.00	0.00	0.00	
4,500.00	7.09	288.61	4,472.82	141.83	-421.16	444.40	0.00	0.00	0.00	
4,600.00	7.09	288.61	4,572.05	145.77	-432.86	456.75	0.00	0.00	0.00	
4,700.00	7.09	288.61	4,671.28	149.72	-444.57	469.10	0.00	0.00	0.00	
4,800.00	7.09	288.61	4,770.52	153.66	-456.27	481.45	0.00	0.00	0.00	
4,900.00	7.09	288.61	4,869.75	157.60	-467.98	493.80	0.00	0.00	0.00	
5,000.00	7.09	288.61	4,968.99	161.54	-479.68	506.15	0.00	0.00	0.00	

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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 23A-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)
5,100.00	7.09	288.61	5,068.22	165.48	-491.39	518.50	0.00	0.00	0.00
5,110.11	7.09	288.61	5,078.25	165.88	-492.57	519.75	0.00	0.00	0.00
5,200.00	5.75	288.61	5,167.58	169.09	-502.09	529.80	1.50	-1.50	0.00
5,300.00	4.25	288.61	5,267.20	171.87	-510.35	538.51	1.50	-1.50	0.00
5,400.00	2.75	288.61	5,367.01	173.81	-516.13	544.61	1.50	-1.50	0.00
5,500.00	1.25	288.61	5,466.94	174.93	-519.43	548.09	1.50	-1.50	0.00
5,583.06	0.00	0.00	5,550.00	175.21	-520.28	548.99	1.50	-1.50	0.00
5,600.00	0.00	0.00	5,566.94	175.21	-520.28	548.99	0.00	0.00	0.00
5,700.00	0.00	0.00	5,666.94	175.21	-520.28	548.99	0.00	0.00	0.00
5,800.00	0.00	0.00	5,766.94	175.21	-520.28	548.99	0.00	0.00	0.00
5,900.00	0.00	0.00	5,866.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,000.00	0.00	0.00	5,966.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,100.00	0.00	0.00	6,066.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,200.00	0.00	0.00	6,166.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,300.00	0.00	0.00	6,266.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,400.00	0.00	0.00	6,366.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,500.00	0.00	0.00	6,466.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,600.00	0.00	0.00	6,566.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,700.00	0.00	0.00	6,666.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,800.00	0.00	0.00	6,766.94	175.21	-520.28	548.99	0.00	0.00	0.00
6,900.00	0.00	0.00	6,866.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,000.00	0.00	0.00	6,966.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,100.00	0.00	0.00	7,066.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,200.00	0.00	0.00	7,166.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,300.00	0.00	0.00	7,266.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,400.00	0.00	0.00	7,366.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,500.00	0.00	0.00	7,466.94	175.21	-520.28	548.99	0.00	0.00	0.00
7,583.06	0.00	0.00	7,550.00	175.21	-520.28	548.99	0.00	0.00	0.00

Formations

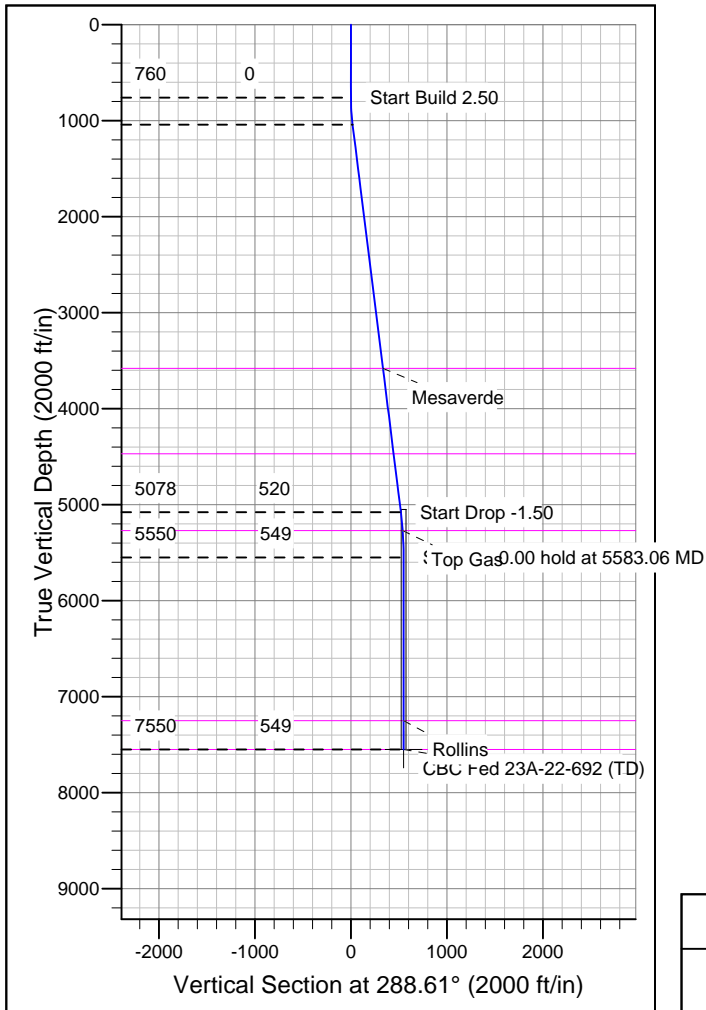
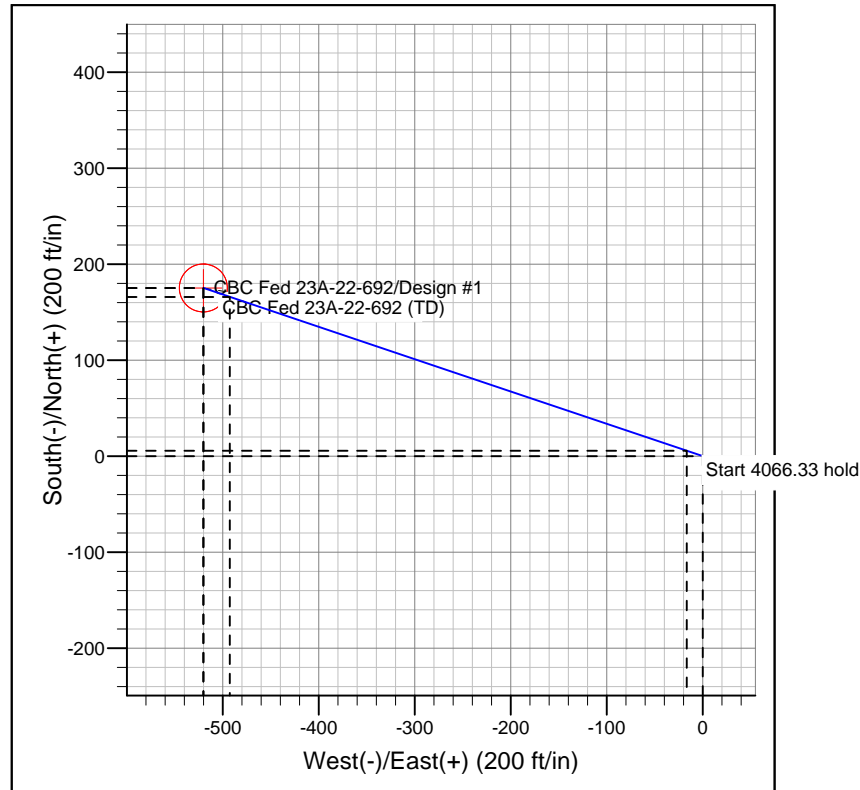
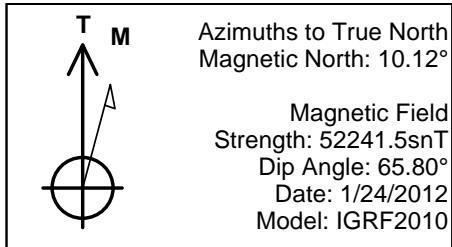
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,600.30	3,580.00	Mesaverde		0.00	
4,497.16	4,470.00	Price Coal		0.00	
5,302.81	5,270.00	Top Gas		0.00	
7,283.06	7,250.00	Rollins		0.00	
7,583.06	7,550.00	TD		0.00	

WELL DETAILS: CBC Fed 23A-22-692

+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1617315.285	Easting	Latitude	Longitude	Slot
			2392465.362	39° 30' 30.744 N	107° 39' 12.3588 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	1043.77	7.09	288.61	1043.05	5.60	-16.63	2.50	288.61	17.55	
4	5110.11	7.09	288.61	5078.25	165.88	-492.57	0.00	0.00	519.75	
5	5583.06	0.00	0.00	5550.00	175.21	-520.28	1.50	180.00	548.99	
6	7583.06	0.00	0.00	7550.00	175.21	-520.28	0.00	0.00	548.99	CBC Fed 23A-22-692 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3580.00	3600.30	Mesaverde
4470.00	4497.16	Price Coal
5270.00	5302.81	Top Gas
7250.00	7283.06	Rollins
7550.00	7583.06	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC Fed 23A-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