

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #1

CBC 13B-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 13B-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 13B-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 13B-22-692					
Well Position	+N/-S	20.02 ft	Northing:	1,617,305.487 ft	Latitude:	39° 30' 30.647 N
	+E/-W	2.54 ft	Easting:	2,392,463.718 ft	Longitude:	107° 39' 12.3768 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	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	288.59

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	
2,055.71	32.39	288.59	1,987.78	113.71	-338.00	2.50	2.50	0.00	288.59	
3,910.20	32.39	288.59	3,553.70	430.50	-1,279.63	0.00	0.00	0.00	0.00	
6,069.71	0.00	0.00	5,600.00	620.01	-1,842.96	1.50	-1.50	0.00	180.00	
8,069.71	0.00	0.00	7,600.00	620.01	-1,842.96	0.00	0.00	0.00	0.00	CBC 13B-22-692 (T)

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Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBC 13B-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 13B-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	288.59	800.00	0.11	-0.33	0.35	2.50	2.50	0.00	
900.00	3.50	288.59	899.91	1.36	-4.05	4.27	2.50	2.50	0.00	
1,000.00	6.00	288.59	999.56	4.00	-11.90	12.55	2.50	2.50	0.00	
1,100.00	8.50	288.59	1,098.75	8.03	-23.86	25.17	2.50	2.50	0.00	
1,200.00	11.00	288.59	1,197.30	13.43	-39.91	42.11	2.50	2.50	0.00	
1,300.00	13.50	288.59	1,295.02	20.19	-60.02	63.32	2.50	2.50	0.00	
1,400.00	16.00	288.59	1,391.71	28.31	-84.15	88.78	2.50	2.50	0.00	
1,500.00	18.50	288.59	1,487.21	37.76	-112.25	118.43	2.50	2.50	0.00	
1,600.00	21.00	288.59	1,581.32	48.54	-144.28	152.22	2.50	2.50	0.00	
1,700.00	23.50	288.59	1,673.87	60.61	-180.16	190.08	2.50	2.50	0.00	
1,800.00	26.00	288.59	1,764.67	73.96	-219.84	231.95	2.50	2.50	0.00	
1,900.00	28.50	288.59	1,853.57	88.56	-263.23	277.73	2.50	2.50	0.00	
2,000.00	31.00	288.59	1,940.38	104.38	-310.26	327.35	2.50	2.50	0.00	
2,055.71	32.39	288.59	1,987.78	113.71	-338.00	356.62	2.50	2.50	0.00	
2,100.00	32.39	288.59	2,025.18	121.28	-360.49	380.35	0.00	0.00	0.00	
2,200.00	32.39	288.59	2,109.62	138.36	-411.27	433.92	0.00	0.00	0.00	
2,300.00	32.39	288.59	2,194.06	155.44	-462.04	487.49	0.00	0.00	0.00	
2,400.00	32.39	288.59	2,278.50	172.52	-512.82	541.06	0.00	0.00	0.00	
2,500.00	32.39	288.59	2,362.94	189.61	-563.59	594.63	0.00	0.00	0.00	
2,600.00	32.39	288.59	2,447.38	206.69	-614.37	648.20	0.00	0.00	0.00	
2,700.00	32.39	288.59	2,531.82	223.77	-665.14	701.78	0.00	0.00	0.00	
2,800.00	32.39	288.59	2,616.26	240.85	-715.92	755.35	0.00	0.00	0.00	
2,900.00	32.39	288.59	2,700.70	257.93	-766.70	808.92	0.00	0.00	0.00	
3,000.00	32.39	288.59	2,785.14	275.02	-817.47	862.49	0.00	0.00	0.00	
3,100.00	32.39	288.59	2,869.57	292.10	-868.25	916.06	0.00	0.00	0.00	
3,200.00	32.39	288.59	2,954.01	309.18	-919.02	969.64	0.00	0.00	0.00	
3,300.00	32.39	288.59	3,038.45	326.26	-969.80	1,023.21	0.00	0.00	0.00	
3,400.00	32.39	288.59	3,122.89	343.34	-1,020.57	1,076.78	0.00	0.00	0.00	
3,500.00	32.39	288.59	3,207.33	360.43	-1,071.35	1,130.35	0.00	0.00	0.00	
3,600.00	32.39	288.59	3,291.77	377.51	-1,122.12	1,183.92	0.00	0.00	0.00	
3,700.00	32.39	288.59	3,376.21	394.59	-1,172.90	1,237.49	0.00	0.00	0.00	
3,800.00	32.39	288.59	3,460.65	411.67	-1,223.67	1,291.07	0.00	0.00	0.00	
3,900.00	32.39	288.59	3,545.09	428.75	-1,274.45	1,344.64	0.00	0.00	0.00	
3,910.20	32.39	288.59	3,553.70	430.50	-1,279.63	1,350.10	0.00	0.00	0.00	
4,000.00	31.05	288.59	3,630.09	445.55	-1,324.38	1,397.31	1.50	-1.50	0.00	
4,100.00	29.55	288.59	3,716.43	461.63	-1,372.19	1,447.76	1.50	-1.50	0.00	
4,200.00	28.05	288.59	3,804.06	476.99	-1,417.84	1,495.93	1.50	-1.50	0.00	
4,300.00	26.55	288.59	3,892.93	491.62	-1,461.30	1,541.78	1.50	-1.50	0.00	
4,400.00	25.05	288.59	3,982.96	505.49	-1,502.55	1,585.30	1.50	-1.50	0.00	
4,500.00	23.55	288.59	4,074.10	518.61	-1,541.54	1,626.44	1.50	-1.50	0.00	
4,600.00	22.05	288.59	4,166.29	530.96	-1,578.26	1,665.19	1.50	-1.50	0.00	
4,700.00	20.55	288.59	4,259.46	542.54	-1,612.69	1,701.50	1.50	-1.50	0.00	
4,800.00	19.05	288.59	4,353.54	553.34	-1,644.78	1,735.37	1.50	-1.50	0.00	
4,900.00	17.55	288.59	4,448.49	563.35	-1,674.54	1,766.76	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 13B-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	16.05	288.59	4,544.22	572.57	-1,701.92	1,795.65	1.50	-1.50	0.00
5,100.00	14.55	288.59	4,640.67	580.98	-1,726.93	1,822.03	1.50	-1.50	0.00
5,200.00	13.05	288.59	4,737.78	588.58	-1,749.53	1,845.88	1.50	-1.50	0.00
5,300.00	11.55	288.59	4,835.49	595.37	-1,769.71	1,867.17	1.50	-1.50	0.00
5,400.00	10.05	288.59	4,933.71	601.34	-1,787.46	1,885.90	1.50	-1.50	0.00
5,500.00	8.55	288.59	5,032.40	606.49	-1,802.77	1,902.06	1.50	-1.50	0.00
5,600.00	7.05	288.59	5,131.47	610.82	-1,815.63	1,915.62	1.50	-1.50	0.00
5,700.00	5.55	288.59	5,230.87	614.31	-1,826.02	1,926.59	1.50	-1.50	0.00
5,800.00	4.05	288.59	5,330.51	616.98	-1,833.94	1,934.95	1.50	-1.50	0.00
5,900.00	2.55	288.59	5,430.34	618.81	-1,839.39	1,940.69	1.50	-1.50	0.00
6,000.00	1.05	288.59	5,530.29	619.81	-1,842.36	1,943.83	1.50	-1.50	0.00
6,069.71	0.00	0.00	5,600.00	620.01	-1,842.96	1,944.46	1.50	-1.50	0.00
6,100.00	0.00	0.00	5,630.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,200.00	0.00	0.00	5,730.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,300.00	0.00	0.00	5,830.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,400.00	0.00	0.00	5,930.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,500.00	0.00	0.00	6,030.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,600.00	0.00	0.00	6,130.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,700.00	0.00	0.00	6,230.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,800.00	0.00	0.00	6,330.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
6,900.00	0.00	0.00	6,430.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,000.00	0.00	0.00	6,530.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,100.00	0.00	0.00	6,630.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,200.00	0.00	0.00	6,730.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,300.00	0.00	0.00	6,830.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,400.00	0.00	0.00	6,930.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,500.00	0.00	0.00	7,030.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,600.00	0.00	0.00	7,130.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,700.00	0.00	0.00	7,230.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,800.00	0.00	0.00	7,330.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
7,900.00	0.00	0.00	7,430.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
8,000.00	0.00	0.00	7,530.29	620.01	-1,842.96	1,944.46	0.00	0.00	0.00
8,069.71	0.00	0.00	7,600.00	620.01	-1,842.96	1,944.46	0.00	0.00	0.00

Formations

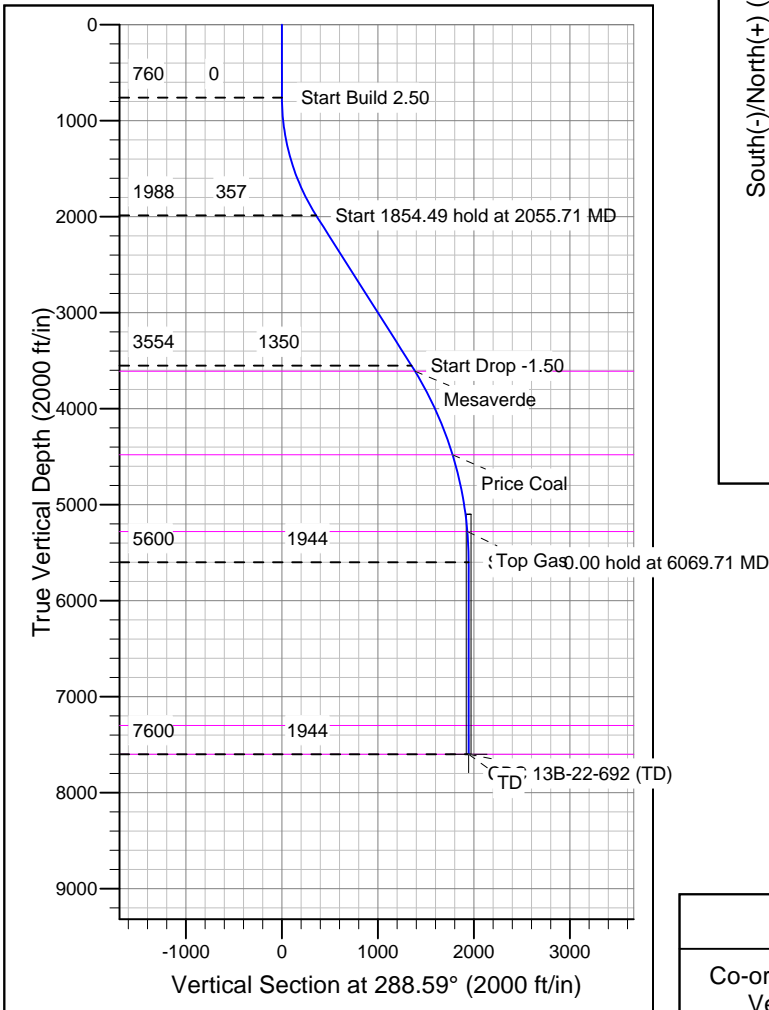
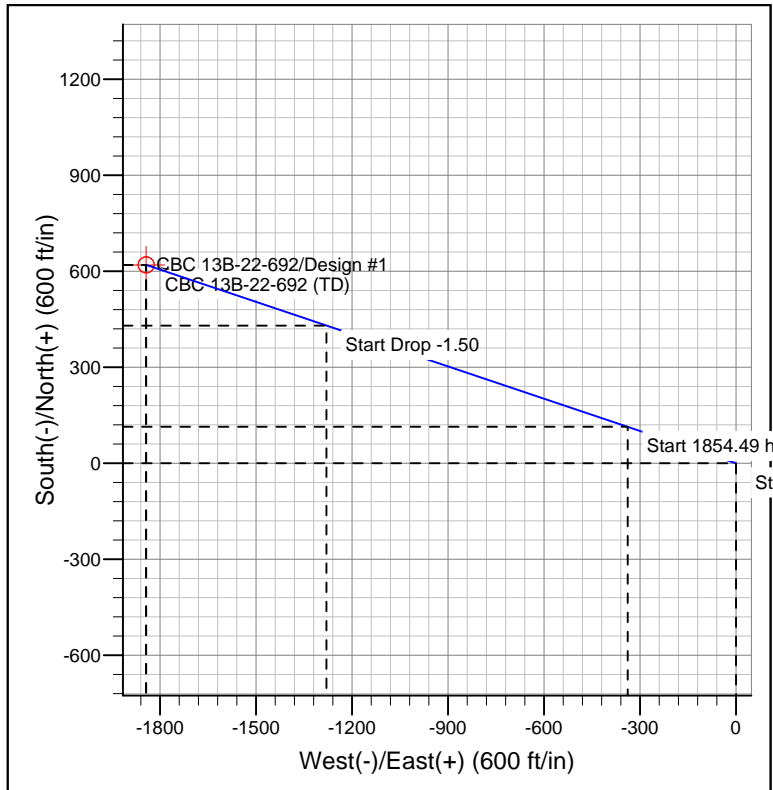
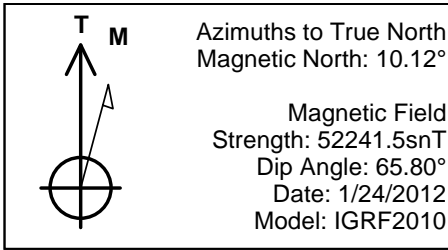
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,976.51	3,610.00	Mesaverde		0.00	
4,933.01	4,480.00	Price Coal		0.00	
5,749.34	5,280.00	Top Gas		0.00	
7,769.71	7,300.00	Rollins		0.00	
8,069.71	7,600.00	TD		0.00	

WELL DETAILS: CBC 13B-22-692

				Ground Level:	0.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot				
0.00	0.00	1617305.487	2392463.718	39° 30' 30.647 N	107° 39' 12.3768 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	2055.71	32.39	288.59	1987.78	113.71	-338.00	2.50	288.59	356.62	
4	3910.20	32.39	288.59	3553.70	430.50	-1279.63	0.00	0.00	1350.10	
5	6069.71	0.00	0.00	5600.00	620.01	-1842.96	1.50	180.00	1944.46	
6	8069.71	0.00	0.00	7600.00	620.01	-1842.96	0.00	0.00	1944.46	CBC 13B-22-692 (TD)



FORMATION TOP DETAILS		
TVDPPath	MDPath	Formation
3610.00	3976.51	Mesaverde
4480.00	4933.01	Price Coal
5280.00	5749.34	Top Gas
7300.00	7769.71	Rollins
7600.00	8069.71	TD

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well CBC 13B-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