

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #2

CBC Fed. 43D-22-692

CBC Fed. 43D-22-692

Plan: Design #1

Standard Planning Report

14 February, 2012

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBC Fed. 43D-22-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	CBC #2	North Reference:	Grid
Well:	CBC Fed. 43D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 43D-22-692		
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 #2		
Site Position:		Northing:	1,617,926.153 ft
From:	Lat/Long	Easting:	2,394,025.576 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 37.145 N
		Longitude:	107° 38' 52.6416 W
		Grid Convergence:	-1.35 °

Well	CBC Fed. 43D-22-692		
Well Position	+N/-S	-0.02 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	CBC Fed. 43D-22-692				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.37	65.87	52,527

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	41.92

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	
969.70	0.00	0.00	969.70	0.00	0.00	0.00	0.00	0.00	0.00	
1,456.51	12.17	41.92	1,452.86	38.33	34.41	2.50	2.50	0.00	41.92	
4,966.38	12.17	41.92	4,883.84	588.90	528.76	0.00	0.00	0.00	0.00	
5,453.19	0.00	0.00	5,367.00	627.22	563.18	2.50	-2.50	0.00	180.00	
7,783.19	0.00	0.00	7,697.00	627.22	563.18	0.00	0.00	0.00	0.00	PBHL_Carlson Fed

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	CBC #2	North Reference:	Grid
Well:	CBC Fed. 43D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 43D-22-692		
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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
969.70	0.00	0.00	969.70	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.76	41.92	1,000.00	0.15	0.13	0.20	2.50	2.50	0.00	
1,100.00	3.26	41.92	1,099.93	2.76	2.47	3.70	2.50	2.50	0.00	
1,200.00	5.76	41.92	1,199.61	8.60	7.72	11.56	2.50	2.50	0.00	
1,300.00	8.26	41.92	1,298.86	17.68	15.87	23.76	2.50	2.50	0.00	
1,400.00	10.76	41.92	1,397.48	29.97	26.91	40.28	2.50	2.50	0.00	
1,456.51	12.17	41.92	1,452.86	38.33	34.41	51.51	2.50	2.50	0.00	
1,500.00	12.17	41.92	1,495.37	45.15	40.54	60.68	0.00	0.00	0.00	
1,600.00	12.17	41.92	1,593.12	60.83	54.62	81.76	0.00	0.00	0.00	
1,700.00	12.17	41.92	1,690.88	76.52	68.71	102.84	0.00	0.00	0.00	
1,800.00	12.17	41.92	1,788.63	92.21	82.79	123.92	0.00	0.00	0.00	
1,900.00	12.17	41.92	1,886.38	107.89	96.88	145.00	0.00	0.00	0.00	
2,000.00	12.17	41.92	1,984.13	123.58	110.96	166.08	0.00	0.00	0.00	
2,100.00	12.17	41.92	2,081.89	139.27	125.05	187.17	0.00	0.00	0.00	
2,200.00	12.17	41.92	2,179.64	154.95	139.13	208.25	0.00	0.00	0.00	
2,300.00	12.17	41.92	2,277.39	170.64	153.21	229.33	0.00	0.00	0.00	
2,400.00	12.17	41.92	2,375.14	186.32	167.30	250.41	0.00	0.00	0.00	
2,500.00	12.17	41.92	2,472.90	202.01	181.38	271.49	0.00	0.00	0.00	
2,600.00	12.17	41.92	2,570.65	217.70	195.47	292.58	0.00	0.00	0.00	
2,700.00	12.17	41.92	2,668.40	233.38	209.55	313.66	0.00	0.00	0.00	
2,800.00	12.17	41.92	2,766.15	249.07	223.64	334.74	0.00	0.00	0.00	
2,900.00	12.17	41.92	2,863.91	264.76	237.72	355.82	0.00	0.00	0.00	
3,000.00	12.17	41.92	2,961.66	280.44	251.81	376.90	0.00	0.00	0.00	
3,100.00	12.17	41.92	3,059.41	296.13	265.89	397.98	0.00	0.00	0.00	
3,200.00	12.17	41.92	3,157.16	311.82	279.98	419.07	0.00	0.00	0.00	
3,300.00	12.17	41.92	3,254.92	327.50	294.06	440.15	0.00	0.00	0.00	
3,400.00	12.17	41.92	3,352.67	343.19	308.15	461.23	0.00	0.00	0.00	
3,500.00	12.17	41.92	3,450.42	358.87	322.23	482.31	0.00	0.00	0.00	
3,600.00	12.17	41.92	3,548.17	374.56	336.32	503.39	0.00	0.00	0.00	
3,700.00	12.17	41.92	3,645.93	390.25	350.40	524.47	0.00	0.00	0.00	
3,800.00	12.17	41.92	3,743.68	405.93	364.48	545.56	0.00	0.00	0.00	
3,900.00	12.17	41.92	3,841.43	421.62	378.57	566.64	0.00	0.00	0.00	
4,000.00	12.17	41.92	3,939.18	437.31	392.65	587.72	0.00	0.00	0.00	
4,100.00	12.17	41.92	4,036.94	452.99	406.74	608.80	0.00	0.00	0.00	
4,200.00	12.17	41.92	4,134.69	468.68	420.82	629.88	0.00	0.00	0.00	
4,300.00	12.17	41.92	4,232.44	484.37	434.91	650.96	0.00	0.00	0.00	
4,400.00	12.17	41.92	4,330.19	500.05	448.99	672.05	0.00	0.00	0.00	
4,500.00	12.17	41.92	4,427.95	515.74	463.08	693.13	0.00	0.00	0.00	
4,600.00	12.17	41.92	4,525.70	531.42	477.16	714.21	0.00	0.00	0.00	
4,700.00	12.17	41.92	4,623.45	547.11	491.25	735.29	0.00	0.00	0.00	
4,800.00	12.17	41.92	4,721.20	562.80	505.33	756.37	0.00	0.00	0.00	
4,900.00	12.17	41.92	4,818.96	578.48	519.42	777.46	0.00	0.00	0.00	
4,966.38	12.17	41.92	4,883.84	588.90	528.76	791.45	0.00	0.00	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	CBC #2	North Reference:	Grid
Well:	CBC Fed. 43D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 43D-22-692		
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	11.33	41.92	4,916.76	593.99	533.34	798.30	2.50	-2.50	0.00
5,100.00	8.83	41.92	5,015.21	607.01	545.03	815.80	2.50	-2.50	0.00
5,200.00	6.33	41.92	5,114.33	616.83	553.84	828.99	2.50	-2.50	0.00
5,300.00	3.83	41.92	5,213.93	623.41	559.76	837.84	2.50	-2.50	0.00
5,400.00	1.33	41.92	5,313.82	626.76	562.77	842.34	2.50	-2.50	0.00
5,453.19	0.00	0.00	5,367.00	627.22	563.18	842.96	2.50	-2.50	0.00
5,500.00	0.00	0.00	5,413.81	627.22	563.18	842.96	0.00	0.00	0.00
5,600.00	0.00	0.00	5,513.81	627.22	563.18	842.96	0.00	0.00	0.00
5,700.00	0.00	0.00	5,613.81	627.22	563.18	842.96	0.00	0.00	0.00
5,800.00	0.00	0.00	5,713.81	627.22	563.18	842.96	0.00	0.00	0.00
5,900.00	0.00	0.00	5,813.81	627.22	563.18	842.96	0.00	0.00	0.00
6,000.00	0.00	0.00	5,913.81	627.22	563.18	842.96	0.00	0.00	0.00
6,100.00	0.00	0.00	6,013.81	627.22	563.18	842.96	0.00	0.00	0.00
6,200.00	0.00	0.00	6,113.81	627.22	563.18	842.96	0.00	0.00	0.00
6,300.00	0.00	0.00	6,213.81	627.22	563.18	842.96	0.00	0.00	0.00
6,400.00	0.00	0.00	6,313.81	627.22	563.18	842.96	0.00	0.00	0.00
6,500.00	0.00	0.00	6,413.81	627.22	563.18	842.96	0.00	0.00	0.00
6,600.00	0.00	0.00	6,513.81	627.22	563.18	842.96	0.00	0.00	0.00
6,700.00	0.00	0.00	6,613.81	627.22	563.18	842.96	0.00	0.00	0.00
6,800.00	0.00	0.00	6,713.81	627.22	563.18	842.96	0.00	0.00	0.00
6,900.00	0.00	0.00	6,813.81	627.22	563.18	842.96	0.00	0.00	0.00
7,000.00	0.00	0.00	6,913.81	627.22	563.18	842.96	0.00	0.00	0.00
7,100.00	0.00	0.00	7,013.81	627.22	563.18	842.96	0.00	0.00	0.00
7,200.00	0.00	0.00	7,113.81	627.22	563.18	842.96	0.00	0.00	0.00
7,300.00	0.00	0.00	7,213.81	627.22	563.18	842.96	0.00	0.00	0.00
7,400.00	0.00	0.00	7,313.81	627.22	563.18	842.96	0.00	0.00	0.00
7,500.00	0.00	0.00	7,413.81	627.22	563.18	842.96	0.00	0.00	0.00
7,600.00	0.00	0.00	7,513.81	627.22	563.18	842.96	0.00	0.00	0.00
7,700.00	0.00	0.00	7,613.81	627.22	563.18	842.96	0.00	0.00	0.00
7,783.19	0.00	0.00	7,697.00	627.22	563.18	842.96	0.00	0.00	0.00

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
769.70	769.70	Surface Casing	9-5/8	12-1/4	

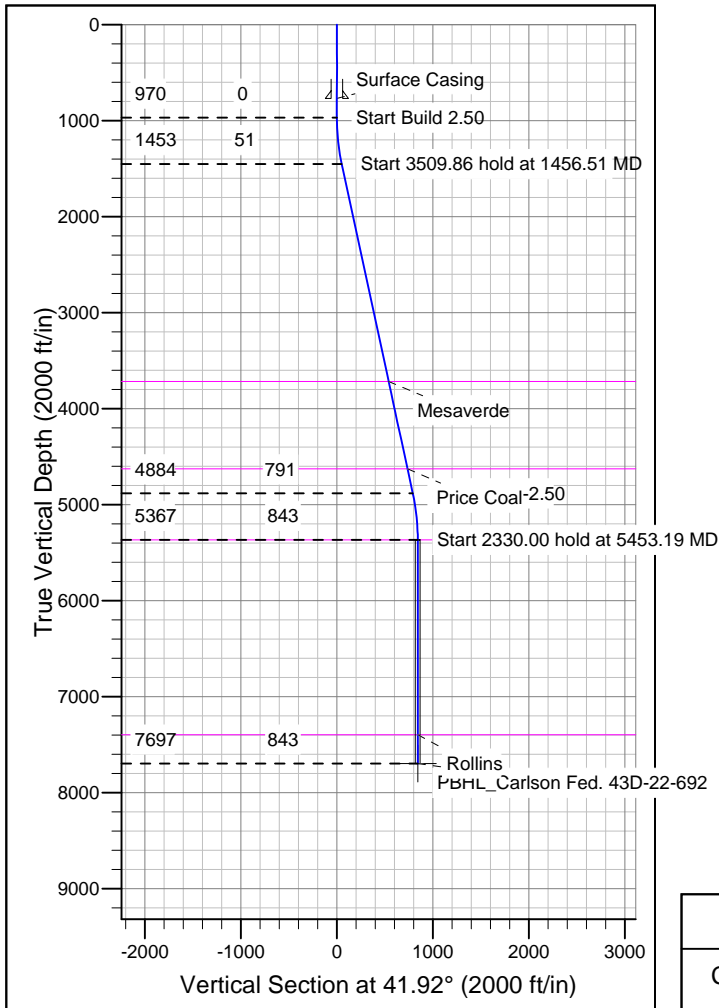
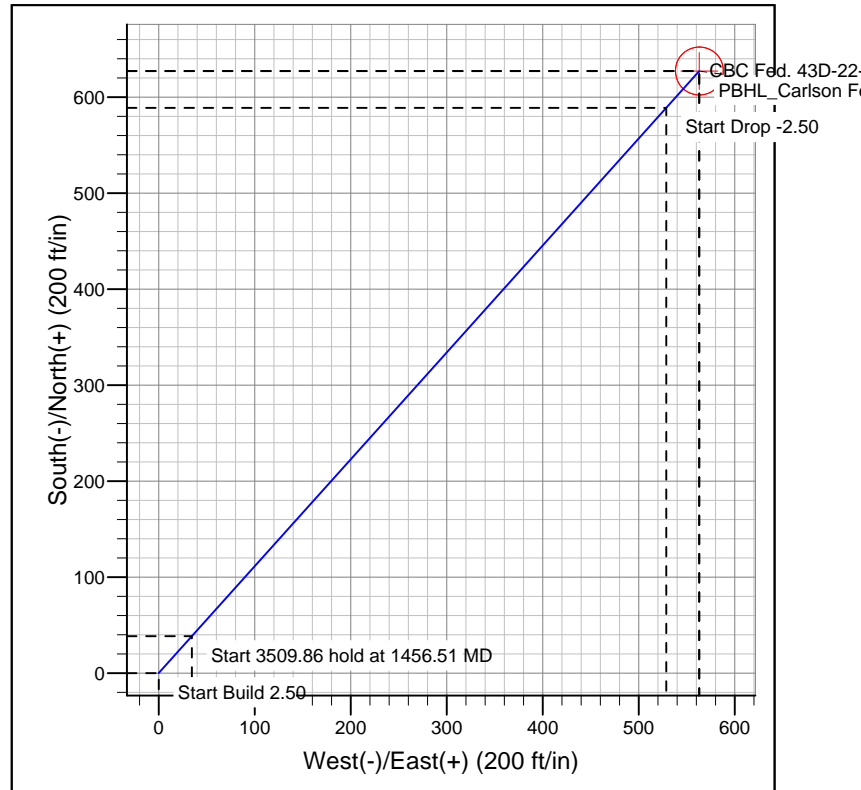
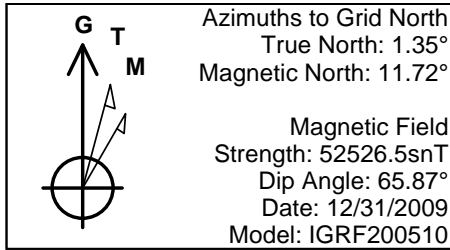
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,772.71	3,717.00	Mesaverde		0.00		
4,703.63	4,627.00	Price Coal		0.00		
5,453.19	5,367.00	Top of gas		0.00		
7,483.19	7,397.00	Rollins		0.00		

WELL DETAILS: CBC Fed. 43D-22-692

			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1617926.135	2394025.576	39° 30' 37.145 N 07° 38' 52.6416 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	969.70	0.00	0.00	969.70	0.00	0.00	0.00	0.00	0.00	
3	1456.51	12.17	41.92	1452.86	38.33	34.41	2.50	41.92	51.51	
4	4966.38	12.17	41.92	4883.84	588.90	528.76	0.00	0.00	791.45	
5	5453.19	0.00	0.00	5367.00	627.22	563.18	2.50	180.00	842.96	
6	7783.19	0.00	0.00	7697.00	627.22	563.18	0.00	0.00	842.96	PBHL_Carlson Fed. 43D-22-692



FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
3717.00	3772.71	Mesaverde
4627.00	4703.63	Price Coal
5367.00	5453.19	Top of gas
7397.00	7483.19	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC Fed. 43D-22-692, Grid North
 Vertical (TVD) Reference: WELL @ 0.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 0.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature