

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #2

CBC Fed. 33C-22-692

CBC Fed. 33C-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. 33C-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. 33C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 33C-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. 33C-22-692		
Well Position	+N/-S	-47.87 ft	Northing:
	+E/-W	-10.45 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 36.669 N
			Longitude:
			107° 38' 52.7604 W
			Ground Level:
			0.00 ft

Wellbore	CBC Fed. 33C-22-692				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.37	65.87	52,526

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	296.87

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	
869.20	0.00	0.00	869.20	0.00	0.00	0.00	0.00	0.00	0.00	
1,345.66	11.91	296.87	1,342.23	22.30	-44.02	2.50	2.50	0.00	296.87	
4,944.89	11.91	296.87	4,863.97	358.01	-706.72	0.00	0.00	0.00	0.00	
5,421.35	0.00	0.00	5,337.00	380.31	-750.74	2.50	-2.50	0.00	180.00	
7,776.35	0.00	0.00	7,692.00	380.31	-750.74	0.00	0.00	0.00	0.00	PBHL_Carlson Fed

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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. 33C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 33C-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	
869.20	0.00	0.00	869.20	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.77	296.87	900.00	0.09	-0.18	0.21	2.50	2.50	0.00	
1,000.00	3.27	296.87	999.93	1.69	-3.33	3.73	2.50	2.50	0.00	
1,100.00	5.77	296.87	1,099.61	5.25	-10.36	11.61	2.50	2.50	0.00	
1,200.00	8.27	296.87	1,198.85	10.77	-21.26	23.83	2.50	2.50	0.00	
1,300.00	10.77	296.87	1,297.47	18.24	-36.01	40.37	2.50	2.50	0.00	
1,345.66	11.91	296.87	1,342.23	22.30	-44.02	49.35	2.50	2.50	0.00	
1,400.00	11.91	296.87	1,395.41	27.37	-54.03	60.56	0.00	0.00	0.00	
1,500.00	11.91	296.87	1,493.25	36.70	-72.44	81.20	0.00	0.00	0.00	
1,600.00	11.91	296.87	1,591.10	46.02	-90.85	101.84	0.00	0.00	0.00	
1,700.00	11.91	296.87	1,688.95	55.35	-109.26	122.48	0.00	0.00	0.00	
1,800.00	11.91	296.87	1,786.79	64.68	-127.68	143.12	0.00	0.00	0.00	
1,900.00	11.91	296.87	1,884.64	74.01	-146.09	163.76	0.00	0.00	0.00	
2,000.00	11.91	296.87	1,982.49	83.33	-164.50	184.40	0.00	0.00	0.00	
2,100.00	11.91	296.87	2,080.33	92.66	-182.91	205.04	0.00	0.00	0.00	
2,200.00	11.91	296.87	2,178.18	101.99	-201.32	225.68	0.00	0.00	0.00	
2,300.00	11.91	296.87	2,276.03	111.32	-219.74	246.32	0.00	0.00	0.00	
2,400.00	11.91	296.87	2,373.87	120.64	-238.15	266.96	0.00	0.00	0.00	
2,500.00	11.91	296.87	2,471.72	129.97	-256.56	287.60	0.00	0.00	0.00	
2,600.00	11.91	296.87	2,569.57	139.30	-274.97	308.24	0.00	0.00	0.00	
2,700.00	11.91	296.87	2,667.41	148.62	-293.39	328.88	0.00	0.00	0.00	
2,800.00	11.91	296.87	2,765.26	157.95	-311.80	349.52	0.00	0.00	0.00	
2,900.00	11.91	296.87	2,863.11	167.28	-330.21	370.16	0.00	0.00	0.00	
3,000.00	11.91	296.87	2,960.95	176.61	-348.62	390.80	0.00	0.00	0.00	
3,100.00	11.91	296.87	3,058.80	185.93	-367.03	411.44	0.00	0.00	0.00	
3,200.00	11.91	296.87	3,156.65	195.26	-385.45	432.08	0.00	0.00	0.00	
3,300.00	11.91	296.87	3,254.49	204.59	-403.86	452.72	0.00	0.00	0.00	
3,400.00	11.91	296.87	3,352.34	213.92	-422.27	473.36	0.00	0.00	0.00	
3,500.00	11.91	296.87	3,450.19	223.24	-440.68	494.00	0.00	0.00	0.00	
3,600.00	11.91	296.87	3,548.03	232.57	-459.09	514.64	0.00	0.00	0.00	
3,700.00	11.91	296.87	3,645.88	241.90	-477.51	535.28	0.00	0.00	0.00	
3,800.00	11.91	296.87	3,743.73	251.23	-495.92	555.92	0.00	0.00	0.00	
3,900.00	11.91	296.87	3,841.57	260.55	-514.33	576.56	0.00	0.00	0.00	
4,000.00	11.91	296.87	3,939.42	269.88	-532.74	597.20	0.00	0.00	0.00	
4,100.00	11.91	296.87	4,037.27	279.21	-551.16	617.84	0.00	0.00	0.00	
4,200.00	11.91	296.87	4,135.12	288.53	-569.57	638.48	0.00	0.00	0.00	
4,300.00	11.91	296.87	4,232.96	297.86	-587.98	659.12	0.00	0.00	0.00	
4,400.00	11.91	296.87	4,330.81	307.19	-606.39	679.76	0.00	0.00	0.00	
4,500.00	11.91	296.87	4,428.66	316.52	-624.80	700.40	0.00	0.00	0.00	
4,600.00	11.91	296.87	4,526.50	325.84	-643.22	721.04	0.00	0.00	0.00	
4,700.00	11.91	296.87	4,624.35	335.17	-661.63	741.68	0.00	0.00	0.00	
4,800.00	11.91	296.87	4,722.20	344.50	-680.04	762.32	0.00	0.00	0.00	
4,900.00	11.91	296.87	4,820.04	353.83	-698.45	782.96	0.00	0.00	0.00	
4,944.89	11.91	296.87	4,863.97	358.01	-706.72	792.23	0.00	0.00	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
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Well:	CBC Fed. 33C-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC Fed. 33C-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	10.53	296.87	4,918.02	362.86	-716.29	802.95	2.50	-2.50	0.00
5,100.00	8.03	296.87	5,016.70	370.15	-730.68	819.08	2.50	-2.50	0.00
5,200.00	5.53	296.87	5,116.00	375.49	-741.21	830.89	2.50	-2.50	0.00
5,300.00	3.03	296.87	5,215.71	378.86	-747.87	838.36	2.50	-2.50	0.00
5,400.00	0.53	296.87	5,315.65	380.27	-750.65	841.48	2.50	-2.50	0.00
5,421.35	0.00	0.00	5,337.00	380.31	-750.74	841.58	2.50	-2.50	0.00
5,500.00	0.00	0.00	5,415.65	380.31	-750.74	841.58	0.00	0.00	0.00
5,600.00	0.00	0.00	5,515.65	380.31	-750.74	841.58	0.00	0.00	0.00
5,700.00	0.00	0.00	5,615.65	380.31	-750.74	841.58	0.00	0.00	0.00
5,800.00	0.00	0.00	5,715.65	380.31	-750.74	841.58	0.00	0.00	0.00
5,900.00	0.00	0.00	5,815.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,000.00	0.00	0.00	5,915.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,100.00	0.00	0.00	6,015.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,200.00	0.00	0.00	6,115.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,300.00	0.00	0.00	6,215.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,400.00	0.00	0.00	6,315.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,500.00	0.00	0.00	6,415.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,600.00	0.00	0.00	6,515.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,700.00	0.00	0.00	6,615.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,800.00	0.00	0.00	6,715.65	380.31	-750.74	841.58	0.00	0.00	0.00
6,900.00	0.00	0.00	6,815.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,000.00	0.00	0.00	6,915.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,100.00	0.00	0.00	7,015.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,200.00	0.00	0.00	7,115.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,300.00	0.00	0.00	7,215.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,400.00	0.00	0.00	7,315.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,500.00	0.00	0.00	7,415.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,600.00	0.00	0.00	7,515.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,700.00	0.00	0.00	7,615.65	380.31	-750.74	841.58	0.00	0.00	0.00
7,776.35	0.00	0.00	7,692.00	380.31	-750.74	841.58	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
769.20	769.20	Surface Casing	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,772.68	3,717.00	Mesaverde		0.00	
4,692.49	4,617.00	Price Coal		0.00	
5,421.35	5,337.00	Top of Gas		0.00	
7,476.35	7,392.00	Rollins		0.00	

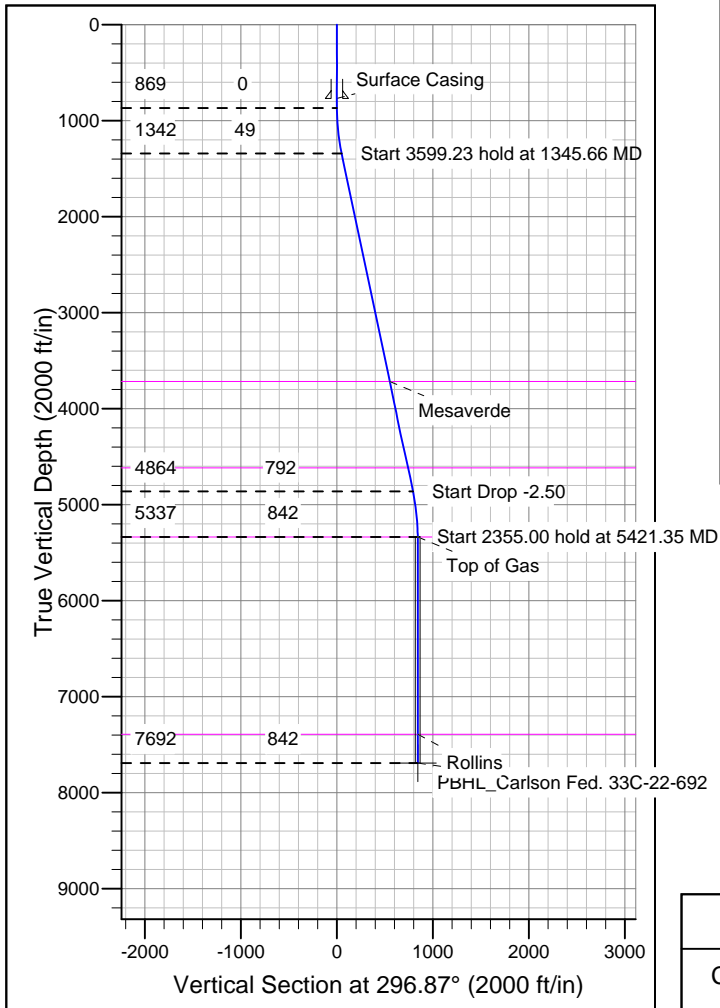
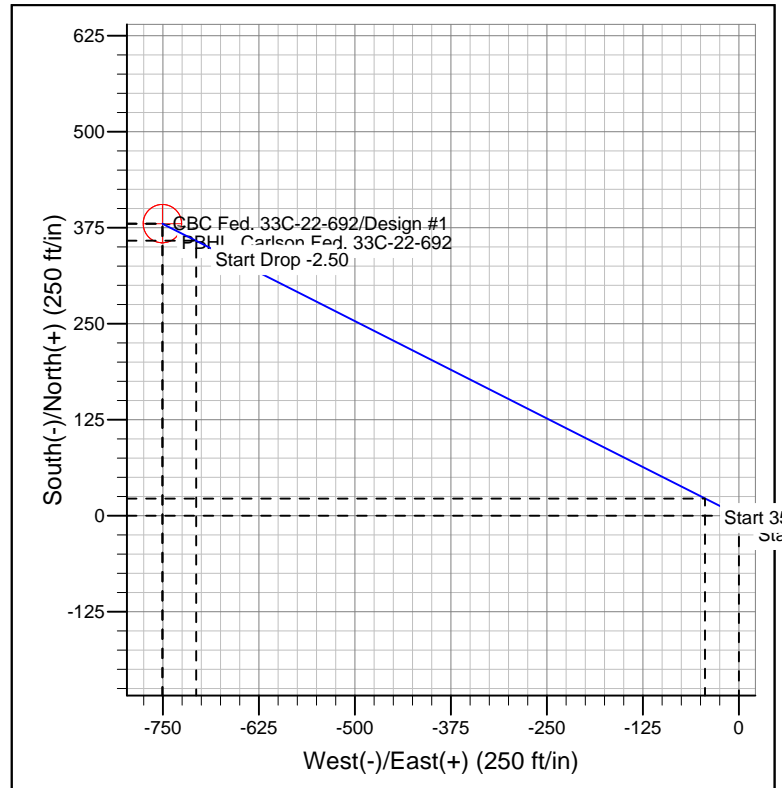
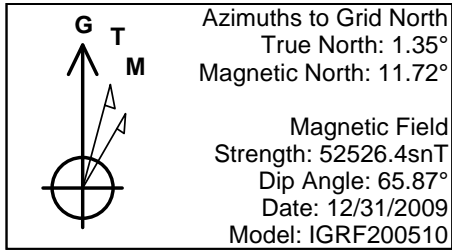
WELL DETAILS: CBC Fed. 33C-22-692

Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1617878.280	2394015.131	39° 30' 36.669 N	107° 38' 52.7604 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	869.20	0.00	0.00	869.20	0.00	0.00	0.00	0.00	0.00	
3	1345.66	11.91	296.87	1342.23	22.30	-44.02	2.50	296.87	49.35	
4	4944.89	11.91	296.87	4863.97	358.01	-706.72	0.00	0.00	792.23	
5	5421.35	0.00	0.00	5337.00	380.31	-750.74	2.50	180.00	841.58	
6	7776.35	0.00	0.00	7692.00	380.31	-750.74	0.00	0.00	841.58	PBHL_Carlson Fed. 33C-22-692



FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
3717.00	3772.68	Mesaverde
4617.00	4692.49	Price Coal
5337.00	5421.35	Top of Gas
7392.00	7476.35	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC Fed. 33C-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