

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #2

CBC 34D-22-692

CBC 34D-22-692

Plan: Design #1

Standard Planning Report

14 February, 2012

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBC 34D-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 34D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 34D-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 34D-22-692		
Well Position	+N/-S	-95.58 ft	Northing:
	+E/-W	-11.01 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 36.198 N
			Longitude:
			107° 38' 52.7532 W
			Ground Level:
			0.00 ft

Wellbore	CBC 34D-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	233.60

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	
961.70	0.00	0.00	961.70	0.00	0.00	0.00	0.00	0.00	0.00	
1,523.80	14.05	233.60	1,518.18	-40.70	-55.20	2.50	2.50	0.00	233.60	
4,871.32	14.05	233.60	4,765.52	-523.05	-709.42	0.00	0.00	0.00	0.00	
5,433.41	0.00	0.00	5,322.00	-563.75	-764.63	2.50	-2.50	0.00	180.00	
7,728.41	0.00	0.00	7,617.00	-563.75	-764.63	0.00	0.00	0.00	0.00	PBHL_Carlson 34D

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Site:	CBC #2	North Reference:	Grid
Well:	CBC 34D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 34D-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	
961.70	0.00	0.00	961.70	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.96	233.60	1,000.00	-0.19	-0.26	0.32	2.50	2.50	0.00	
1,100.00	3.46	233.60	1,099.92	-2.48	-3.36	4.17	2.50	2.50	0.00	
1,200.00	5.96	233.60	1,199.57	-7.35	-9.96	12.38	2.50	2.50	0.00	
1,300.00	8.46	233.60	1,298.77	-14.79	-20.06	24.92	2.50	2.50	0.00	
1,400.00	10.96	233.60	1,397.33	-24.80	-33.63	41.78	2.50	2.50	0.00	
1,500.00	13.46	233.60	1,495.06	-37.34	-50.65	62.93	2.50	2.50	0.00	
1,523.80	14.05	233.60	1,518.18	-40.70	-55.20	68.59	2.50	2.50	0.00	
1,600.00	14.05	233.60	1,592.10	-51.68	-70.10	87.09	0.00	0.00	0.00	
1,700.00	14.05	233.60	1,689.11	-66.09	-89.64	111.37	0.00	0.00	0.00	
1,800.00	14.05	233.60	1,786.12	-80.50	-109.18	135.65	0.00	0.00	0.00	
1,900.00	14.05	233.60	1,883.12	-94.91	-128.73	159.93	0.00	0.00	0.00	
2,000.00	14.05	233.60	1,980.13	-109.32	-148.27	184.21	0.00	0.00	0.00	
2,100.00	14.05	233.60	2,077.14	-123.73	-167.81	208.49	0.00	0.00	0.00	
2,200.00	14.05	233.60	2,174.15	-138.13	-187.36	232.77	0.00	0.00	0.00	
2,300.00	14.05	233.60	2,271.15	-152.54	-206.90	257.06	0.00	0.00	0.00	
2,400.00	14.05	233.60	2,368.16	-166.95	-226.44	281.34	0.00	0.00	0.00	
2,500.00	14.05	233.60	2,465.17	-181.36	-245.99	305.62	0.00	0.00	0.00	
2,600.00	14.05	233.60	2,562.18	-195.77	-265.53	329.90	0.00	0.00	0.00	
2,700.00	14.05	233.60	2,659.18	-210.18	-285.07	354.18	0.00	0.00	0.00	
2,800.00	14.05	233.60	2,756.19	-224.59	-304.62	378.46	0.00	0.00	0.00	
2,900.00	14.05	233.60	2,853.20	-239.00	-324.16	402.74	0.00	0.00	0.00	
3,000.00	14.05	233.60	2,950.20	-253.41	-343.70	427.02	0.00	0.00	0.00	
3,100.00	14.05	233.60	3,047.21	-267.82	-363.25	451.30	0.00	0.00	0.00	
3,200.00	14.05	233.60	3,144.22	-282.22	-382.79	475.58	0.00	0.00	0.00	
3,300.00	14.05	233.60	3,241.23	-296.63	-402.33	499.86	0.00	0.00	0.00	
3,400.00	14.05	233.60	3,338.23	-311.04	-421.88	524.15	0.00	0.00	0.00	
3,500.00	14.05	233.60	3,435.24	-325.45	-441.42	548.43	0.00	0.00	0.00	
3,600.00	14.05	233.60	3,532.25	-339.86	-460.97	572.71	0.00	0.00	0.00	
3,700.00	14.05	233.60	3,629.26	-354.27	-480.51	596.99	0.00	0.00	0.00	
3,800.00	14.05	233.60	3,726.26	-368.68	-500.05	621.27	0.00	0.00	0.00	
3,900.00	14.05	233.60	3,823.27	-383.09	-519.60	645.55	0.00	0.00	0.00	
4,000.00	14.05	233.60	3,920.28	-397.50	-539.14	669.83	0.00	0.00	0.00	
4,100.00	14.05	233.60	4,017.29	-411.91	-558.68	694.11	0.00	0.00	0.00	
4,200.00	14.05	233.60	4,114.29	-426.32	-578.23	718.39	0.00	0.00	0.00	
4,300.00	14.05	233.60	4,211.30	-440.72	-597.77	742.67	0.00	0.00	0.00	
4,400.00	14.05	233.60	4,308.31	-455.13	-617.31	766.96	0.00	0.00	0.00	
4,500.00	14.05	233.60	4,405.32	-469.54	-636.86	791.24	0.00	0.00	0.00	
4,600.00	14.05	233.60	4,502.32	-483.95	-656.40	815.52	0.00	0.00	0.00	
4,700.00	14.05	233.60	4,599.33	-498.36	-675.94	839.80	0.00	0.00	0.00	
4,800.00	14.05	233.60	4,696.34	-512.77	-695.49	864.08	0.00	0.00	0.00	
4,871.32	14.05	233.60	4,765.52	-523.05	-709.42	881.40	0.00	0.00	0.00	
4,900.00	13.34	233.60	4,793.39	-527.07	-714.89	888.19	2.50	-2.50	0.00	

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Well:	CBC 34D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 34D-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	10.84	233.60	4,891.16	-539.50	-731.74	909.12	2.50	-2.50	0.00
5,100.00	8.34	233.60	4,989.76	-549.38	-745.14	925.77	2.50	-2.50	0.00
5,200.00	5.84	233.60	5,088.99	-556.70	-755.07	938.11	2.50	-2.50	0.00
5,300.00	3.34	233.60	5,188.66	-561.44	-761.50	946.10	2.50	-2.50	0.00
5,400.00	0.84	233.60	5,288.59	-563.60	-764.43	949.74	2.50	-2.50	0.00
5,433.41	0.00	0.00	5,322.00	-563.75	-764.63	949.98	2.50	-2.50	0.00
5,500.00	0.00	0.00	5,388.59	-563.75	-764.63	949.98	0.00	0.00	0.00
5,600.00	0.00	0.00	5,488.59	-563.75	-764.63	949.98	0.00	0.00	0.00
5,700.00	0.00	0.00	5,588.59	-563.75	-764.63	949.98	0.00	0.00	0.00
5,800.00	0.00	0.00	5,688.59	-563.75	-764.63	949.98	0.00	0.00	0.00
5,900.00	0.00	0.00	5,788.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,000.00	0.00	0.00	5,888.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,100.00	0.00	0.00	5,988.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,200.00	0.00	0.00	6,088.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,300.00	0.00	0.00	6,188.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,400.00	0.00	0.00	6,288.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,500.00	0.00	0.00	6,388.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,600.00	0.00	0.00	6,488.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,700.00	0.00	0.00	6,588.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,800.00	0.00	0.00	6,688.59	-563.75	-764.63	949.98	0.00	0.00	0.00
6,900.00	0.00	0.00	6,788.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,000.00	0.00	0.00	6,888.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,100.00	0.00	0.00	6,988.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,200.00	0.00	0.00	7,088.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,300.00	0.00	0.00	7,188.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,400.00	0.00	0.00	7,288.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,500.00	0.00	0.00	7,388.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,600.00	0.00	0.00	7,488.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,700.00	0.00	0.00	7,588.59	-563.75	-764.63	949.98	0.00	0.00	0.00
7,728.41	0.00	0.00	7,617.00	-563.75	-764.63	949.98	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
761.70	761.70	Surface Casing	9-5/8	12-1/4

Formations

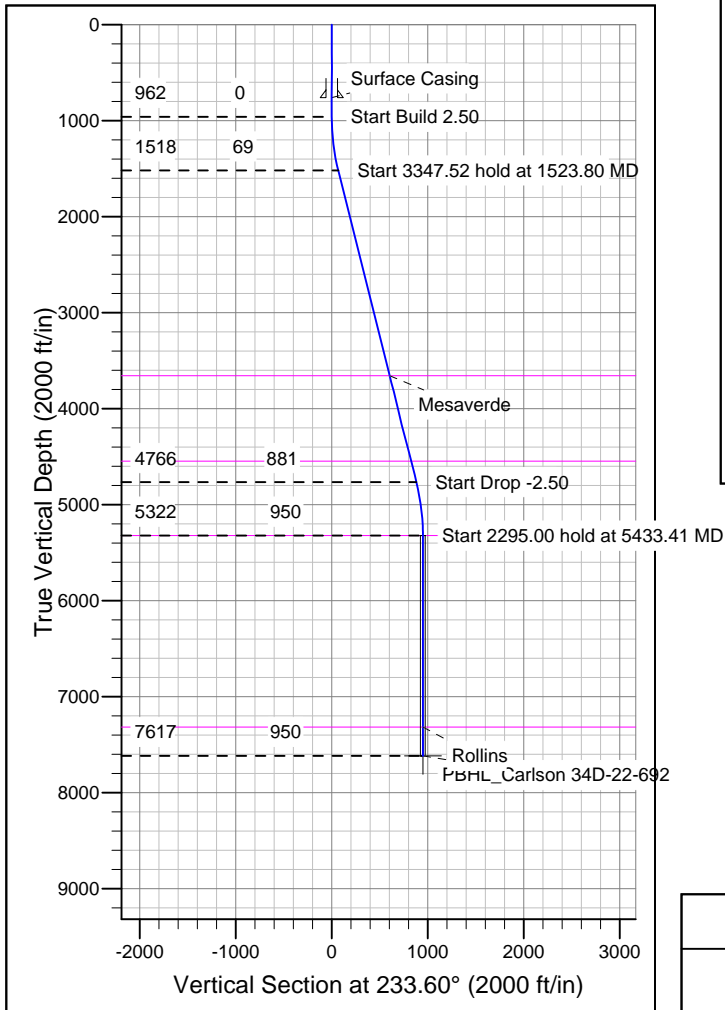
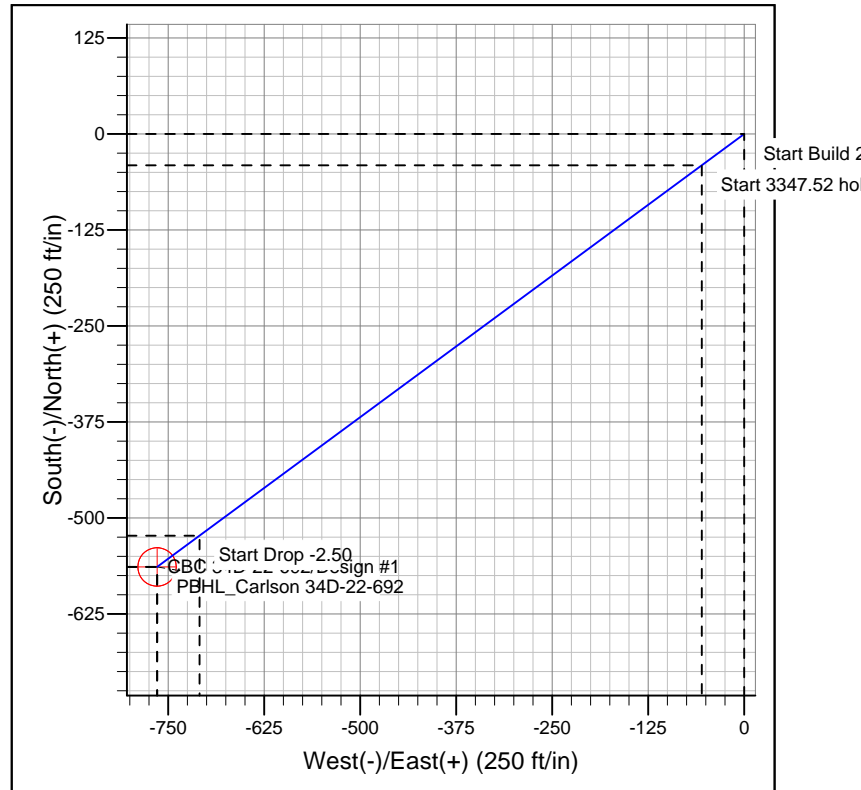
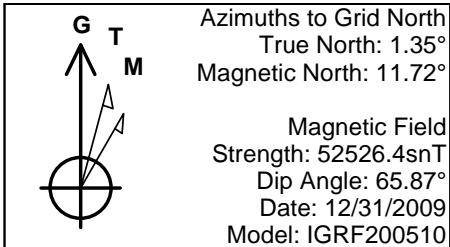
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,728.60	3,657.00	Mesaverde		0.00	
4,646.06	4,547.00	Price Coal		0.00	
5,433.41	5,322.00	Top of Gas		0.00	
7,428.41	7,317.00	Rollins		0.00	

WELL DETAILS: CBC 34D-22-692

+N/-S	+E/-W	Northing	Ground Level:	0.00	Longitude	Slot
0.00	0.00	1617830.573	Easting	2394014.567	39° 30' 36.198 N 107° 38' 52.7532 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	961.70	0.00	0.00	961.70	0.00	0.00	0.00	0.00	0.00	
3	1523.80	14.05	233.60	1518.18	-40.70	-55.20	2.50	233.60	68.59	
4	4871.32	14.05	233.60	4765.52	-523.05	-709.42	0.00	0.00	881.40	
5	5433.41	0.00	0.00	5322.00	-563.75	-764.63	2.50	180.00	949.98	
6	7728.41	0.00	0.00	7617.00	-563.75	-764.63	0.00	0.00	949.98	PBHL_Carlson 34D-22-692



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3657.00	3728.60	Mesaverde
4547.00	4646.06	Price Coal
5322.00	5433.41	Top of Gas
7317.00	7428.41	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC 34D-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