

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #2

CBC 44D-22-692

CBC 44D-22-692

Plan: Design #1

Standard Planning Report

14 February, 2012

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBC 44D-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 44D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 44D-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 44D-22-692		
Well Position	+N/-S	-63.76 ft	Northing:
	+E/-W	-0.66 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 36.515 N
			Longitude:
			107° 38' 52.6308 W
			Ground Level:
			0.00 ft

Wellbore	CBC 44D-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	139.77

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	
1,453.25	12.29	139.77	1,449.49	-40.09	33.91	2.50	2.50	0.00	139.77	
4,922.46	12.29	139.77	4,839.21	-603.81	510.80	0.00	0.00	0.00	0.00	
5,414.01	0.00	0.00	5,327.00	-643.90	544.72	2.50	-2.50	0.00	180.00	
7,704.01	0.00	0.00	7,617.00	-643.90	544.72	0.00	0.00	0.00	0.00	PBHL_Carlson 44D

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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 44D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 44D-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	139.77	1,000.00	-0.24	0.21	0.32	2.50	2.50	0.00	
1,100.00	3.46	139.77	1,099.92	-3.18	2.69	4.17	2.50	2.50	0.00	
1,200.00	5.96	139.77	1,199.57	-9.45	7.99	12.38	2.50	2.50	0.00	
1,300.00	8.46	139.77	1,298.77	-19.03	16.10	24.92	2.50	2.50	0.00	
1,400.00	10.96	139.77	1,397.33	-31.90	26.99	41.78	2.50	2.50	0.00	
1,453.25	12.29	139.77	1,449.49	-40.09	33.91	52.51	2.50	2.50	0.00	
1,500.00	12.29	139.77	1,495.17	-47.69	40.34	62.46	0.00	0.00	0.00	
1,600.00	12.29	139.77	1,592.88	-63.94	54.09	83.75	0.00	0.00	0.00	
1,700.00	12.29	139.77	1,690.59	-80.19	67.83	105.03	0.00	0.00	0.00	
1,800.00	12.29	139.77	1,788.30	-96.43	81.58	126.31	0.00	0.00	0.00	
1,900.00	12.29	139.77	1,886.00	-112.68	95.33	147.60	0.00	0.00	0.00	
2,000.00	12.29	139.77	1,983.71	-128.93	109.07	168.88	0.00	0.00	0.00	
2,100.00	12.29	139.77	2,081.42	-145.18	122.82	190.16	0.00	0.00	0.00	
2,200.00	12.29	139.77	2,179.13	-161.43	136.57	211.45	0.00	0.00	0.00	
2,300.00	12.29	139.77	2,276.84	-177.68	150.31	232.73	0.00	0.00	0.00	
2,400.00	12.29	139.77	2,374.55	-193.93	164.06	254.02	0.00	0.00	0.00	
2,500.00	12.29	139.77	2,472.26	-210.18	177.80	275.30	0.00	0.00	0.00	
2,600.00	12.29	139.77	2,569.97	-226.43	191.55	296.58	0.00	0.00	0.00	
2,700.00	12.29	139.77	2,667.67	-242.68	205.30	317.87	0.00	0.00	0.00	
2,800.00	12.29	139.77	2,765.38	-258.93	219.04	339.15	0.00	0.00	0.00	
2,900.00	12.29	139.77	2,863.09	-275.18	232.79	360.43	0.00	0.00	0.00	
3,000.00	12.29	139.77	2,960.80	-291.43	246.54	381.72	0.00	0.00	0.00	
3,100.00	12.29	139.77	3,058.51	-307.67	260.28	403.00	0.00	0.00	0.00	
3,200.00	12.29	139.77	3,156.22	-323.92	274.03	424.29	0.00	0.00	0.00	
3,300.00	12.29	139.77	3,253.93	-340.17	287.77	445.57	0.00	0.00	0.00	
3,400.00	12.29	139.77	3,351.64	-356.42	301.52	466.85	0.00	0.00	0.00	
3,500.00	12.29	139.77	3,449.34	-372.67	315.27	488.14	0.00	0.00	0.00	
3,600.00	12.29	139.77	3,547.05	-388.92	329.01	509.42	0.00	0.00	0.00	
3,700.00	12.29	139.77	3,644.76	-405.17	342.76	530.70	0.00	0.00	0.00	
3,800.00	12.29	139.77	3,742.47	-421.42	356.51	551.99	0.00	0.00	0.00	
3,900.00	12.29	139.77	3,840.18	-437.67	370.25	573.27	0.00	0.00	0.00	
4,000.00	12.29	139.77	3,937.89	-453.92	384.00	594.56	0.00	0.00	0.00	
4,100.00	12.29	139.77	4,035.60	-470.17	397.74	615.84	0.00	0.00	0.00	
4,200.00	12.29	139.77	4,133.31	-486.42	411.49	637.12	0.00	0.00	0.00	
4,300.00	12.29	139.77	4,231.01	-502.67	425.24	658.41	0.00	0.00	0.00	
4,400.00	12.29	139.77	4,328.72	-518.92	438.98	679.69	0.00	0.00	0.00	
4,500.00	12.29	139.77	4,426.43	-535.16	452.73	700.97	0.00	0.00	0.00	
4,600.00	12.29	139.77	4,524.14	-551.41	466.48	722.26	0.00	0.00	0.00	
4,700.00	12.29	139.77	4,621.85	-567.66	480.22	743.54	0.00	0.00	0.00	
4,800.00	12.29	139.77	4,719.56	-583.91	493.97	764.83	0.00	0.00	0.00	
4,900.00	12.29	139.77	4,817.27	-600.16	507.72	786.11	0.00	0.00	0.00	
4,922.46	12.29	139.77	4,839.21	-603.81	510.80	790.89	0.00	0.00	0.00	

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Site:	CBC #2	North Reference:	Grid
Well:	CBC 44D-22-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	CBC 44D-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	10.35	139.77	4,915.24	-615.43	520.63	806.11	2.50	-2.50	0.00
5,100.00	7.85	139.77	5,013.97	-627.50	530.85	821.92	2.50	-2.50	0.00
5,200.00	5.35	139.77	5,113.30	-636.28	538.27	833.42	2.50	-2.50	0.00
5,300.00	2.85	139.77	5,213.04	-641.74	542.89	840.57	2.50	-2.50	0.00
5,400.00	0.35	139.77	5,312.99	-643.87	544.69	843.36	2.50	-2.50	0.00
5,414.01	0.00	0.00	5,327.00	-643.90	544.72	843.40	2.50	-2.50	0.00
5,500.00	0.00	0.00	5,412.99	-643.90	544.72	843.40	0.00	0.00	0.00
5,600.00	0.00	0.00	5,512.99	-643.90	544.72	843.40	0.00	0.00	0.00
5,700.00	0.00	0.00	5,612.99	-643.90	544.72	843.40	0.00	0.00	0.00
5,800.00	0.00	0.00	5,712.99	-643.90	544.72	843.40	0.00	0.00	0.00
5,900.00	0.00	0.00	5,812.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,000.00	0.00	0.00	5,912.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,100.00	0.00	0.00	6,012.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,200.00	0.00	0.00	6,112.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,300.00	0.00	0.00	6,212.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,400.00	0.00	0.00	6,312.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,500.00	0.00	0.00	6,412.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,600.00	0.00	0.00	6,512.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,700.00	0.00	0.00	6,612.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,800.00	0.00	0.00	6,712.99	-643.90	544.72	843.40	0.00	0.00	0.00
6,900.00	0.00	0.00	6,812.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,000.00	0.00	0.00	6,912.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,100.00	0.00	0.00	7,012.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,200.00	0.00	0.00	7,112.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,300.00	0.00	0.00	7,212.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,400.00	0.00	0.00	7,312.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,500.00	0.00	0.00	7,412.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,600.00	0.00	0.00	7,512.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,700.00	0.00	0.00	7,612.99	-643.90	544.72	843.40	0.00	0.00	0.00
7,704.01	0.00	0.00	7,617.00	-643.90	544.72	843.40	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

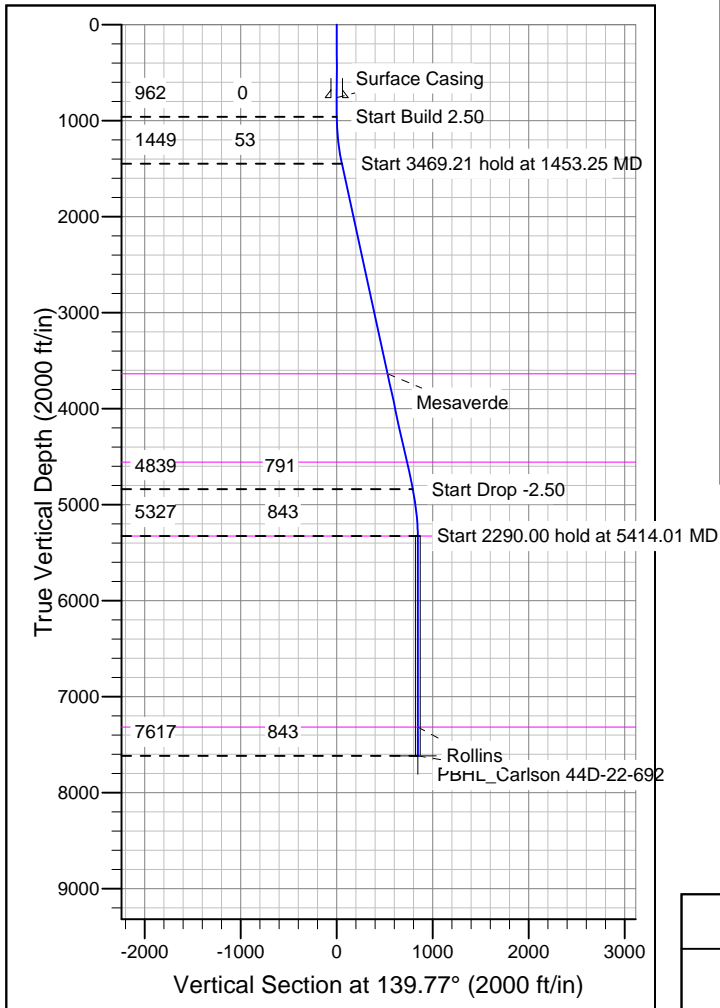
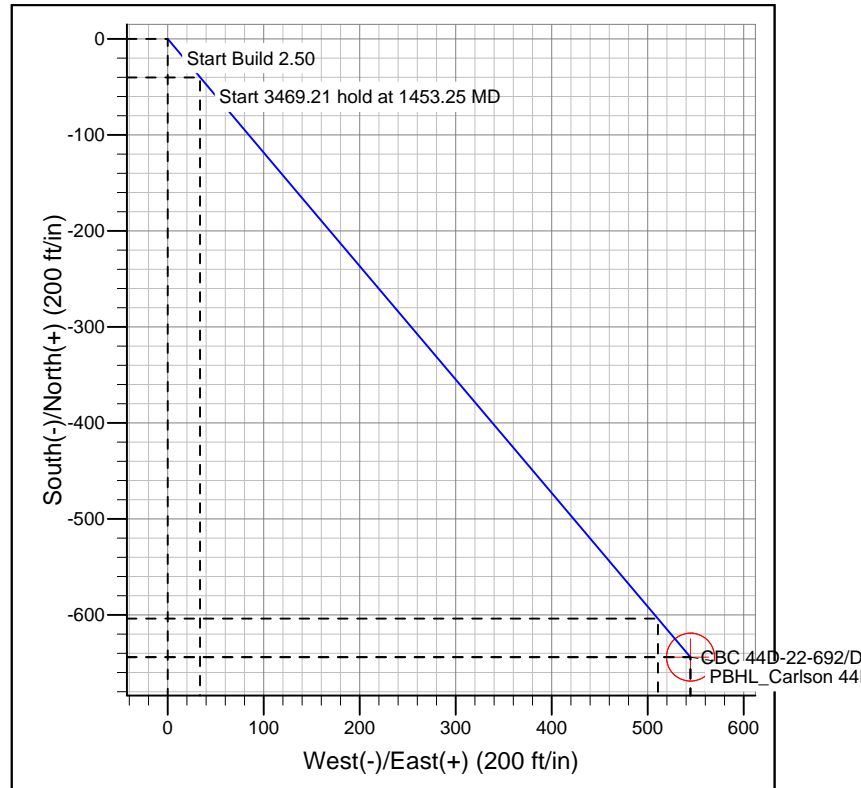
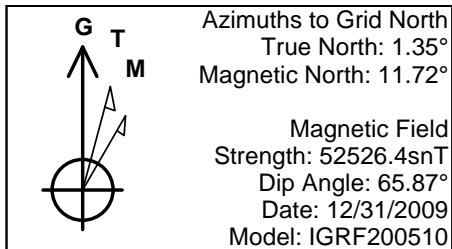
Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,692.06	3,637.00	Mesaverde		0.00	
4,633.63	4,557.00	Price Coal		0.00	
5,414.01	5,327.00	Top of Gas		0.00	
7,404.01	7,317.00	Rollins		0.00	

WELL DETAILS: CBC 44D-22-692

			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1617862.391	2394024.915	39° 30' 36.515 N	107° 38' 52.6308 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	1453.25	12.29	139.77	1449.49	-40.09	33.91	2.50	139.77	52.51	
4	4922.46	12.29	139.77	4839.21	-603.81	510.80	0.00	0.00	790.89	
5	5414.01	0.00	0.00	5327.00	-643.90	544.72	2.50	180.00	843.40	
6	7704.01	0.00	0.00	7617.00	-643.90	544.72	0.00	0.00	843.40	PBHL_Carlson 44D-22-692



FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
3637.00	3692.06	Mesaverde
4557.00	4633.63	Price Coal
5327.00	5414.01	Top of Gas
7317.00	7404.01	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC 44D-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