

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CBC #1

CBC 24A-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 24A-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 24A-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 24A-22-692		
Well Position	+N/-S	-1.10 ft	Northing:
	+E/-W	9.88 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 30.438 N
			Longitude:
			107° 39' 12.2832 W
			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	207.62

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	
1,405.08	16.13	207.62	1,396.59	-79.91	-41.80	2.50	2.50	0.00	207.62	
4,540.89	16.13	207.62	4,409.01	-851.71	-445.55	0.00	0.00	0.00	0.00	
5,616.02	0.00	0.00	5,470.00	-984.90	-515.23	1.50	-1.50	0.00	180.00	
7,616.02	0.00	0.00	7,470.00	-984.90	-515.23	0.00	0.00	0.00	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 24A-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	207.62	800.00	-0.31	-0.16	0.35	2.50	2.50	0.00	
900.00	3.50	207.62	899.91	-3.79	-1.98	4.27	2.50	2.50	0.00	
1,000.00	6.00	207.62	999.56	-11.12	-5.82	12.55	2.50	2.50	0.00	
1,100.00	8.50	207.62	1,098.75	-22.31	-11.67	25.17	2.50	2.50	0.00	
1,200.00	11.00	207.62	1,197.30	-37.31	-19.52	42.11	2.50	2.50	0.00	
1,300.00	13.50	207.62	1,295.02	-56.11	-29.35	63.32	2.50	2.50	0.00	
1,400.00	16.00	207.62	1,391.71	-78.67	-41.15	88.78	2.50	2.50	0.00	
1,405.08	16.13	207.62	1,396.59	-79.91	-41.80	90.19	2.50	2.50	0.00	
1,500.00	16.13	207.62	1,487.78	-103.27	-54.03	116.55	0.00	0.00	0.00	
1,600.00	16.13	207.62	1,583.85	-127.89	-66.90	144.33	0.00	0.00	0.00	
1,700.00	16.13	207.62	1,679.91	-152.50	-79.78	172.11	0.00	0.00	0.00	
1,800.00	16.13	207.62	1,775.98	-177.11	-92.65	199.88	0.00	0.00	0.00	
1,900.00	16.13	207.62	1,872.04	-201.72	-105.53	227.66	0.00	0.00	0.00	
2,000.00	16.13	207.62	1,968.11	-226.34	-118.40	255.44	0.00	0.00	0.00	
2,100.00	16.13	207.62	2,064.17	-250.95	-131.28	283.21	0.00	0.00	0.00	
2,200.00	16.13	207.62	2,160.23	-275.56	-144.15	310.99	0.00	0.00	0.00	
2,300.00	16.13	207.62	2,256.30	-300.17	-157.03	338.77	0.00	0.00	0.00	
2,400.00	16.13	207.62	2,352.36	-324.79	-169.90	366.54	0.00	0.00	0.00	
2,500.00	16.13	207.62	2,448.43	-349.40	-182.78	394.32	0.00	0.00	0.00	
2,600.00	16.13	207.62	2,544.49	-374.01	-195.66	422.10	0.00	0.00	0.00	
2,700.00	16.13	207.62	2,640.56	-398.62	-208.53	449.87	0.00	0.00	0.00	
2,800.00	16.13	207.62	2,736.62	-423.23	-221.41	477.65	0.00	0.00	0.00	
2,900.00	16.13	207.62	2,832.69	-447.85	-234.28	505.43	0.00	0.00	0.00	
3,000.00	16.13	207.62	2,928.75	-472.46	-247.16	533.20	0.00	0.00	0.00	
3,100.00	16.13	207.62	3,024.82	-497.07	-260.03	560.98	0.00	0.00	0.00	
3,200.00	16.13	207.62	3,120.88	-521.68	-272.91	588.76	0.00	0.00	0.00	
3,300.00	16.13	207.62	3,216.95	-546.30	-285.78	616.53	0.00	0.00	0.00	
3,400.00	16.13	207.62	3,313.01	-570.91	-298.66	644.31	0.00	0.00	0.00	
3,500.00	16.13	207.62	3,409.08	-595.52	-311.53	672.09	0.00	0.00	0.00	
3,600.00	16.13	207.62	3,505.14	-620.13	-324.41	699.86	0.00	0.00	0.00	
3,700.00	16.13	207.62	3,601.21	-644.75	-337.29	727.64	0.00	0.00	0.00	
3,800.00	16.13	207.62	3,697.27	-669.36	-350.16	755.42	0.00	0.00	0.00	
3,900.00	16.13	207.62	3,793.34	-693.97	-363.04	783.19	0.00	0.00	0.00	
4,000.00	16.13	207.62	3,889.40	-718.58	-375.91	810.97	0.00	0.00	0.00	
4,100.00	16.13	207.62	3,985.47	-743.19	-388.79	838.74	0.00	0.00	0.00	
4,200.00	16.13	207.62	4,081.53	-767.81	-401.66	866.52	0.00	0.00	0.00	
4,300.00	16.13	207.62	4,177.60	-792.42	-414.54	894.30	0.00	0.00	0.00	
4,400.00	16.13	207.62	4,273.66	-817.03	-427.41	922.07	0.00	0.00	0.00	
4,500.00	16.13	207.62	4,369.73	-841.64	-440.29	949.85	0.00	0.00	0.00	
4,540.89	16.13	207.62	4,409.01	-851.71	-445.55	961.21	0.00	0.00	0.00	
4,600.00	15.24	207.62	4,465.92	-865.87	-452.96	977.19	1.50	-1.50	0.00	
4,700.00	13.74	207.62	4,562.73	-888.04	-464.56	1,002.21	1.50	-1.50	0.00	
4,800.00	12.24	207.62	4,660.17	-907.95	-474.98	1,024.69	1.50	-1.50	0.00	
4,900.00	10.74	207.62	4,758.16	-925.60	-484.21	1,044.61	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 24A-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	9.24	207.62	4,856.64	-940.98	-492.25	1,061.95	1.50	-1.50	0.00
5,100.00	7.74	207.62	4,955.55	-954.06	-499.10	1,076.72	1.50	-1.50	0.00
5,200.00	6.24	207.62	5,054.80	-964.84	-504.74	1,088.89	1.50	-1.50	0.00
5,300.00	4.74	207.62	5,154.34	-973.32	-509.17	1,098.46	1.50	-1.50	0.00
5,400.00	3.24	207.62	5,254.09	-979.48	-512.40	1,105.41	1.50	-1.50	0.00
5,500.00	1.74	207.62	5,354.00	-983.33	-514.41	1,109.76	1.50	-1.50	0.00
5,600.00	0.24	207.62	5,453.98	-984.87	-515.21	1,111.49	1.50	-1.50	0.00
5,616.02	0.00	0.00	5,470.00	-984.90	-515.23	1,111.52	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,553.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
5,800.00	0.00	0.00	5,653.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
5,900.00	0.00	0.00	5,753.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,000.00	0.00	0.00	5,853.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,100.00	0.00	0.00	5,953.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,200.00	0.00	0.00	6,053.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,300.00	0.00	0.00	6,153.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,400.00	0.00	0.00	6,253.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,500.00	0.00	0.00	6,353.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,600.00	0.00	0.00	6,453.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,700.00	0.00	0.00	6,553.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,800.00	0.00	0.00	6,653.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
6,900.00	0.00	0.00	6,753.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,000.00	0.00	0.00	6,853.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,100.00	0.00	0.00	6,953.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,200.00	0.00	0.00	7,053.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,300.00	0.00	0.00	7,153.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,400.00	0.00	0.00	7,253.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,500.00	0.00	0.00	7,353.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,600.00	0.00	0.00	7,453.98	-984.90	-515.23	1,111.52	0.00	0.00	0.00
7,616.02	0.00	0.00	7,470.00	-984.90	-515.23	1,111.52	0.00	0.00	0.00

Formations

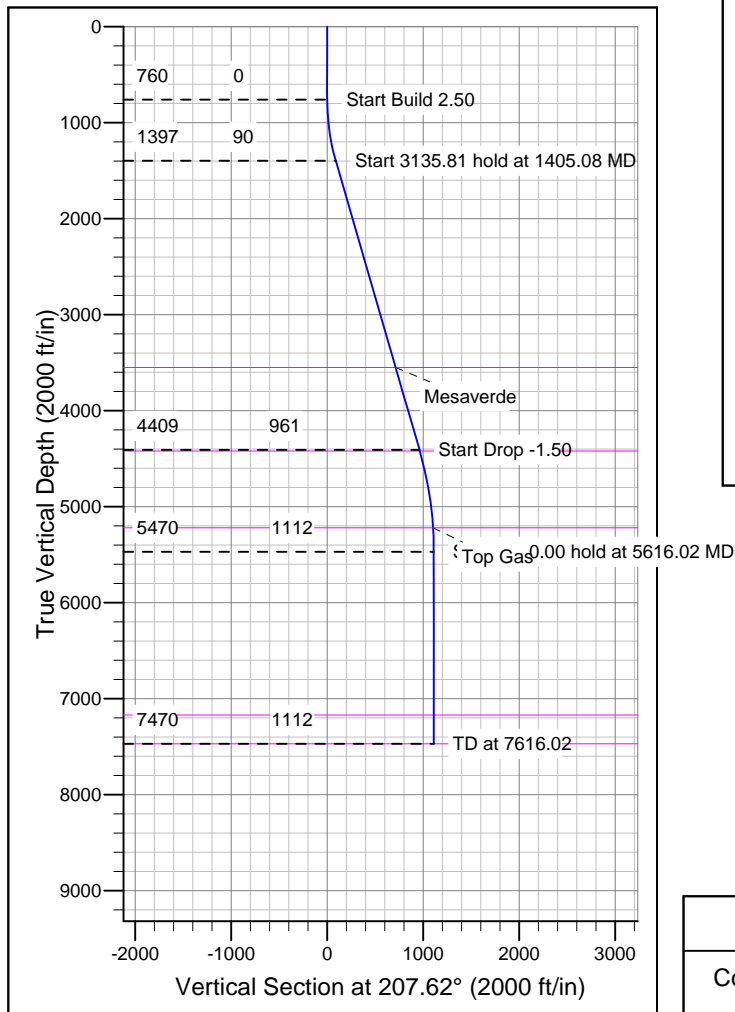
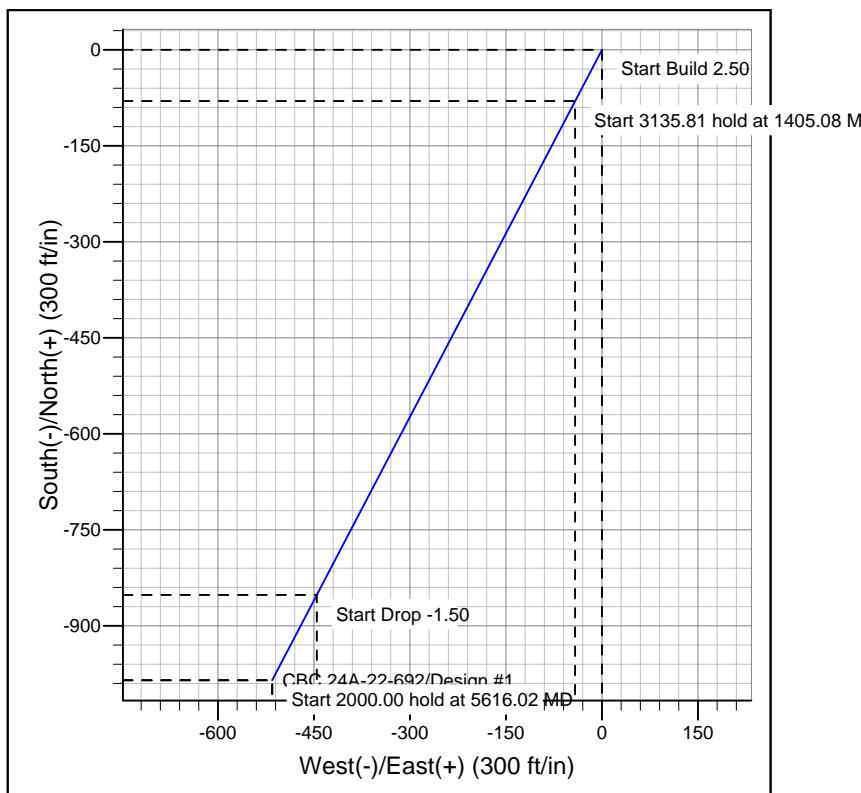
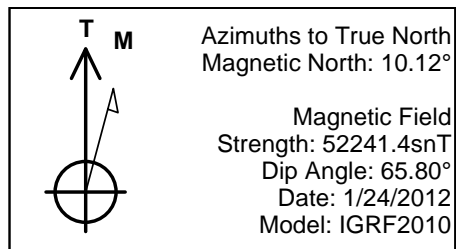
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,646.69	3,550.00	Mesaverde		0.00	
4,552.33	4,420.00	Price Coal		0.00	
5,365.84	5,220.00	Top Gas		0.00	
7,316.02	7,170.00	Rollins		0.00	
7,616.02	7,470.00	TD		0.00	

WELL DETAILS: CBC 24A-22-692

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1617284.193	2392470.551	0.00	39° 30' 30.438 N	07° 39' 12.2832 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	1405.08	16.13	207.62	1396.59	-79.91	-41.80	2.50	207.62	90.19	
4	4540.89	16.13	207.62	4409.01	-851.71	-445.55	0.00	0.00	961.21	
5	5616.02	0.00	0.00	5470.00	-984.90	-515.23	1.50	180.00	1111.52	
6	7616.02	0.00	0.00	7470.00	-984.90	-515.23	0.00	0.00	1111.52	CBC 24A-22-692 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3550.00	3646.69	Mesaverde
4420.00	4552.33	Price Coal
5220.00	5365.84	Top Gas
7170.00	7316.02	Rollins
7470.00	7616.02	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBC 24A-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