

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Circle B Tract #5 Pad

CBS 41B-21-692

Wellbore #1

Plan: Design #1

Standard Planning Report

08 June, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBS 41B-21-692
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:	Circle B Tract #5 Pad	North Reference:	True
Well:	CBS 41B-21-692	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						Circle B Tract #5 Pad							
Site Position: From: Position Uncertainty:			Lat/Long 0.00 ft			Northing:		1,619,626.425 ft		Latitude:		39° 30' 52.412 N	
						Easting:		2,387,502.827 ft		Longitude:		107° 40' 16.3632 W	
						Slot Radius:		"		Grid Convergence:		-1.37 °	

Well	CBS 41B-21-692					
Well Position	+N-S	12.01 ft	Northing:	1,619,639.545 ft	Latitude:	39° 30' 52.531 N
	+E-W	-46.55 ft	Easting:	2,387,456.576 ft	Longitude:	107° 40' 16.9572 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	6/7/2010	10.40	65.82	52,428

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	60.37

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	
830.00	0.00	0.00	830.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,337.17	37.68	60.37	2,230.86	236.29	415.48	2.50	2.50	0.00	60.37	
3,778.05	37.68	60.37	3,371.24	671.68	1,181.06	0.00	0.00	0.00	0.00	
6,289.99	0.00	0.00	5,706.00	1,065.49	1,873.52	1.50	-1.50	0.00	180.00	
8,289.99	0.00	0.00	7,706.00	1,065.49	1,873.52	0.00	0.00	0.00	0.00	CBS 41B-21-692 TI

BBC

Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Circle B Tract #5 Pad	North Reference:	True
Well:	CBS 41B-21-692	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
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
830.00	0.00	0.00	830.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
900.00	1.75	60.37	899.99	0.53	0.93	1.07	2.50	2.50	0.00
1,000.00	4.25	60.37	999.84	3.12	5.48	6.30	2.50	2.50	0.00
1,100.00	6.75	60.37	1,099.38	7.85	13.81	15.89	2.50	2.50	0.00
1,200.00	9.25	60.37	1,198.39	14.73	25.91	29.80	2.50	2.50	0.00
1,300.00	11.75	60.37	1,296.71	23.74	41.75	48.02	2.50	2.50	0.00
1,400.00	14.25	60.37	1,394.14	34.86	61.30	70.52	2.50	2.50	0.00
1,500.00	16.75	60.37	1,490.50	48.07	84.53	97.24	2.50	2.50	0.00
1,600.00	19.25	60.37	1,585.60	63.35	111.39	128.14	2.50	2.50	0.00
1,700.00	21.75	60.37	1,679.26	80.66	141.83	163.16	2.50	2.50	0.00
1,800.00	24.25	60.37	1,771.30	99.97	175.79	202.23	2.50	2.50	0.00
1,900.00	26.75	60.37	1,861.55	121.25	213.21	245.27	2.50	2.50	0.00
2,000.00	29.25	60.37	1,949.84	144.46	254.01	292.22	2.50	2.50	0.00
2,100.00	31.75	60.37	2,035.99	169.55	298.13	342.97	2.50	2.50	0.00
2,200.00	34.25	60.37	2,119.85	196.47	345.47	397.43	2.50	2.50	0.00
2,300.00	36.75	60.37	2,201.26	225.17	395.94	455.49	2.50	2.50	0.00
2,337.17	37.68	60.37	2,230.86	236.29	415.48	477.97	2.50	2.50	0.00
2,400.00	37.68	60.37	2,280.59	255.27	448.87	516.38	0.00	0.00	0.00
2,500.00	37.68	60.37	2,359.73	285.49	502.00	577.50	0.00	0.00	0.00
2,600.00	37.68	60.37	2,438.88	315.71	555.13	638.62	0.00	0.00	0.00
2,700.00	37.68	60.37	2,518.02	345.92	608.26	699.75	0.00	0.00	0.00
2,800.00	37.68	60.37	2,597.17	376.14	661.40	760.87	0.00	0.00	0.00
2,900.00	37.68	60.37	2,676.31	406.36	714.53	822.00	0.00	0.00	0.00
3,000.00	37.68	60.37	2,755.45	436.57	767.66	883.12	0.00	0.00	0.00
3,100.00	37.68	60.37	2,834.60	466.79	820.79	944.24	0.00	0.00	0.00
3,200.00	37.68	60.37	2,913.74	497.01	873.93	1,005.37	0.00	0.00	0.00
3,300.00	37.68	60.37	2,992.89	527.22	927.06	1,066.49	0.00	0.00	0.00
3,400.00	37.68	60.37	3,072.03	557.44	980.19	1,127.61	0.00	0.00	0.00
3,500.00	37.68	60.37	3,151.18	587.66	1,033.32	1,188.74	0.00	0.00	0.00
3,600.00	37.68	60.37	3,230.32	617.88	1,086.46	1,249.86	0.00	0.00	0.00
3,700.00	37.68	60.37	3,309.47	648.09	1,139.59	1,310.99	0.00	0.00	0.00
3,778.05	37.68	60.37	3,371.24	671.68	1,181.06	1,358.69	0.00	0.00	0.00
3,800.00	37.35	60.37	3,388.65	678.28	1,192.68	1,372.06	1.50	-1.50	0.00
3,900.00	35.85	60.37	3,468.93	707.76	1,244.50	1,431.68	1.50	-1.50	0.00
4,000.00	34.35	60.37	3,550.74	736.18	1,294.48	1,489.18	1.50	-1.50	0.00
4,100.00	32.85	60.37	3,634.03	763.54	1,342.59	1,544.52	1.50	-1.50	0.00
4,167.43	31.84	60.37	3,691.00	781.37	1,373.95	1,580.59	1.50	-1.50	0.00
Mesaverde									
4,200.00	31.35	60.37	3,718.74	789.81	1,388.78	1,597.65	1.50	-1.50	0.00
4,300.00	29.85	60.37	3,804.81	814.97	1,433.03	1,648.56	1.50	-1.50	0.00
4,400.00	28.35	60.37	3,892.19	839.01	1,475.30	1,697.19	1.50	-1.50	0.00
4,500.00	26.85	60.37	3,980.81	861.92	1,515.57	1,743.52	1.50	-1.50	0.00
4,600.00	25.35	60.37	4,070.61	883.66	1,553.81	1,787.51	1.50	-1.50	0.00

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Well:	CBS 41B-21-692	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)
4,700.00	23.85	60.37	4,161.53	904.24	1,590.00	1,829.14	1.50	-1.50	0.00
4,800.00	22.35	60.37	4,253.51	923.64	1,624.10	1,868.37	1.50	-1.50	0.00
4,900.00	20.85	60.37	4,346.48	941.83	1,656.10	1,905.18	1.50	-1.50	0.00
5,000.00	19.35	60.37	4,440.39	958.82	1,685.97	1,939.54	1.50	-1.50	0.00
5,100.00	17.85	60.37	4,535.16	974.59	1,713.69	1,971.44	1.50	-1.50	0.00
5,195.06	16.42	60.37	4,626.00	988.44	1,738.04	1,999.45	1.50	-1.50	0.00
Price Coal									
5,200.00	16.35	60.37	4,630.74	989.13	1,739.25	2,000.84	1.50	-1.50	0.00
5,300.00	14.85	60.37	4,727.05	1,002.42	1,762.63	2,027.73	1.50	-1.50	0.00
5,400.00	13.35	60.37	4,824.04	1,014.46	1,783.80	2,052.09	1.50	-1.50	0.00
5,500.00	11.85	60.37	4,921.63	1,025.25	1,802.76	2,073.91	1.50	-1.50	0.00
5,600.00	10.35	60.37	5,019.75	1,034.76	1,819.50	2,093.16	1.50	-1.50	0.00
5,700.00	8.85	60.37	5,118.35	1,043.01	1,834.00	2,109.83	1.50	-1.50	0.00
5,800.00	7.35	60.37	5,217.35	1,049.97	1,846.24	2,123.92	1.50	-1.50	0.00
5,900.00	5.85	60.37	5,316.69	1,055.65	1,856.23	2,135.42	1.50	-1.50	0.00
5,969.62	4.81	60.37	5,386.00	1,058.85	1,861.85	2,141.88	1.50	-1.50	0.00
Top Gas									
6,000.00	4.35	60.37	5,416.29	1,060.05	1,863.96	2,144.31	1.50	-1.50	0.00
6,100.00	2.85	60.37	5,516.09	1,063.15	1,869.42	2,150.58	1.50	-1.50	0.00
6,200.00	1.35	60.37	5,616.02	1,064.96	1,872.60	2,154.25	1.50	-1.50	0.00
6,289.99	0.00	0.00	5,706.00	1,065.49	1,873.52	2,155.31	1.50	-1.50	0.00
6,300.00	0.00	0.00	5,716.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,400.00	0.00	0.00	5,816.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,500.00	0.00	0.00	5,916.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,600.00	0.00	0.00	6,016.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,700.00	0.00	0.00	6,116.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,800.00	0.00	0.00	6,216.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
6,900.00	0.00	0.00	6,316.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,000.00	0.00	0.00	6,416.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,100.00	0.00	0.00	6,516.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,200.00	0.00	0.00	6,616.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,300.00	0.00	0.00	6,716.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,400.00	0.00	0.00	6,816.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,500.00	0.00	0.00	6,916.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,600.00	0.00	0.00	7,016.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,700.00	0.00	0.00	7,116.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,800.00	0.00	0.00	7,216.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,900.00	0.00	0.00	7,316.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
7,989.99	0.00	0.00	7,406.00	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
Rollins									
8,000.00	0.00	0.00	7,416.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
8,100.00	0.00	0.00	7,516.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
8,200.00	0.00	0.00	7,616.01	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
8,289.99	0.00	0.00	7,706.00	1,065.49	1,873.52	2,155.31	0.00	0.00	0.00
TD									

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBS 41B-21-692
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:	Circle B Tract #5 Pad	North Reference:	True
Well:	CBS 41B-21-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

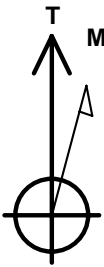
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
830.00	830.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,167.43	3,691.00	Mesaverde		0.00	
5,195.06	4,626.00	Price Coal		0.00	
5,969.62	5,386.00	Top Gas		0.00	
7,989.99	7,406.00	Rollins		0.00	
8,289.99	7,706.00	TD		0.00	

WELL DETAILS: CBS 41B-21-692

Ground Level: 0.00
+N/-S+E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1619639.545 2387456.595 30° 52.537' N 16.9572 W



Azimuths to True North
Magnetic North: 10.40°

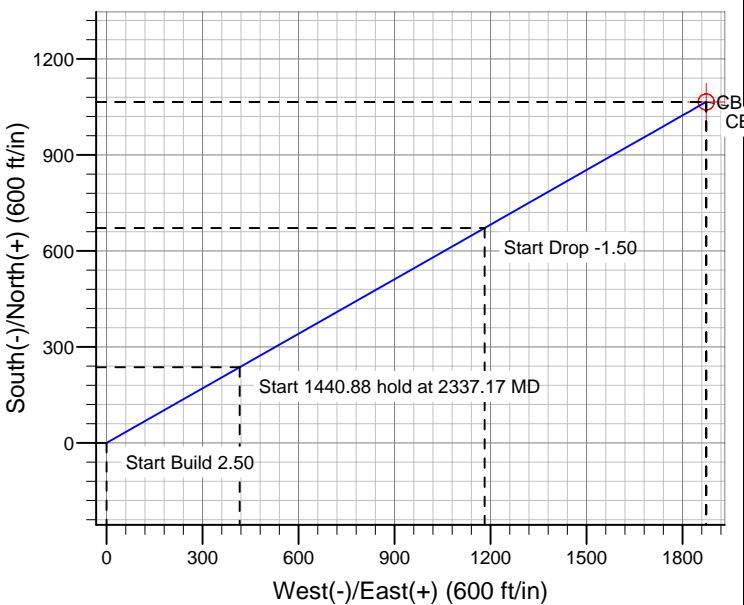
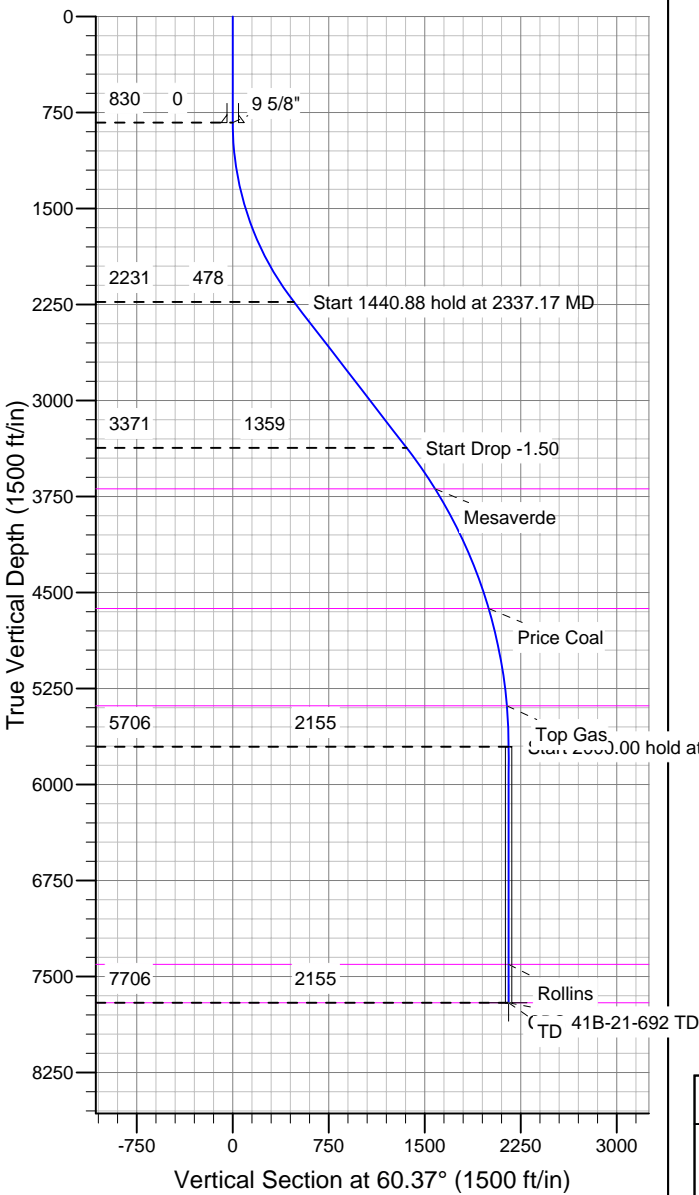
Magnetic Field
Strength: 52427.8snT
Dip Angle: 65.82°
Date: 6/7/2010
Model: BGGM2007

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	330.00	0.00	0.00	830.00	0.00	0.00	0.00	0.00	0.00	
3	337.17	37.68	60.37	2230.86	236.29	415.48	2.50	60.37	477.97	
4	3778.05	37.68	60.37	3371.24	671.68	1181.06	0.00	0.00	358.69	
5	6289.99	0.00	0.00	5706.00	1065.49	1873.52	1.50	180.00	2155.31	
6	6289.99	0.00	0.00	7706.00	1065.49	1873.52	0.00	0.00	2155.31	CBS 41B-21-692 TD

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
CBS 41B-21-692 TD 1065.49 1873.52 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
830.00 330.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVDPatMDPath Formation
3691.00 4167.43 Mesaverde
4626.00 5195.06 Price Coal
5386.00 5969.62 Top Gas
7406.00 7989.99 Rollins
7706.00 8289.99 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBS 41B-21-692, True 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