

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Circle B Tract #5 Pad

CBS 31D-21-692

Wellbore #1

Plan: Design #1

Standard Planning Report

08 June, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBS 31D-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 31D-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:						Northing:			1,619,626.425 ft			Latitude:			39° 30' 52.412 N		
From:			Lat/Long			Easting:			2,387,502.827 ft			Longitude:			107° 40' 16.3632 W		
Position Uncertainty:			0.00 ft			Slot Radius:			"			Grid Convergence:			-1.37 °		

Well	CBS 31D-21-692					
Well Position	+N-S	36.42 ft	Northing:	1,619,666.160 ft	Latitude:	39° 30' 52.772 N
	+E-W	-139.37 ft	Easting:	2,387,364.367 ft	Longitude:	107° 40' 18.1416 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	21.29

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	
815.00	0.00	0.00	815.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,910.58	27.39	21.29	1,869.33	239.38	93.29	2.50	2.50	0.00	21.29	
4,275.10	27.39	21.29	3,968.79	1,252.89	488.28	0.00	0.00	0.00	0.00	
6,101.07	0.00	0.00	5,726.00	1,651.86	643.77	1.50	-1.50	0.00	180.00	
8,101.07	0.00	0.00	7,726.00	1,651.86	643.77	0.00	0.00	0.00	0.00	CBS 31D-21-692 TI

BBC

Planning Report

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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 31D-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
815.00	0.00	0.00	815.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
900.00	2.12	21.29	899.98	1.47	0.57	1.58	2.50	2.50	0.00
1,000.00	4.62	21.29	999.80	6.95	2.71	7.46	2.50	2.50	0.00
1,100.00	7.12	21.29	1,099.27	16.49	6.43	17.70	2.50	2.50	0.00
1,200.00	9.62	21.29	1,198.19	30.06	11.71	32.26	2.50	2.50	0.00
1,300.00	12.12	21.29	1,296.39	47.64	18.57	51.13	2.50	2.50	0.00
1,400.00	14.62	21.29	1,393.67	69.19	26.96	74.26	2.50	2.50	0.00
1,500.00	17.12	21.29	1,489.85	94.67	36.90	101.61	2.50	2.50	0.00
1,600.00	19.62	21.29	1,584.74	124.04	48.34	133.13	2.50	2.50	0.00
1,700.00	22.12	21.29	1,678.17	157.24	61.28	168.76	2.50	2.50	0.00
1,800.00	24.62	21.29	1,769.95	194.20	75.69	208.43	2.50	2.50	0.00
1,900.00	27.12	21.29	1,859.92	234.86	91.53	252.07	2.50	2.50	0.00
1,910.58	27.39	21.29	1,869.33	239.38	93.29	256.91	2.50	2.50	0.00
2,000.00	27.39	21.29	1,948.72	277.71	108.23	298.05	0.00	0.00	0.00
2,100.00	27.39	21.29	2,037.51	320.57	124.93	344.05	0.00	0.00	0.00
2,200.00	27.39	21.29	2,126.30	363.43	141.64	390.06	0.00	0.00	0.00
2,300.00	27.39	21.29	2,215.09	406.30	158.34	436.06	0.00	0.00	0.00
2,400.00	27.39	21.29	2,303.88	449.16	175.05	482.07	0.00	0.00	0.00
2,500.00	27.39	21.29	2,392.67	492.02	191.75	528.07	0.00	0.00	0.00
2,600.00	27.39	21.29	2,481.46	534.89	208.46	574.07	0.00	0.00	0.00
2,700.00	27.39	21.29	2,570.25	577.75	225.16	620.08	0.00	0.00	0.00
2,800.00	27.39	21.29	2,659.04	620.61	241.87	666.08	0.00	0.00	0.00
2,900.00	27.39	21.29	2,747.83	663.48	258.57	712.08	0.00	0.00	0.00
3,000.00	27.39	21.29	2,836.62	706.34	275.28	758.09	0.00	0.00	0.00
3,100.00	27.39	21.29	2,925.41	749.20	291.98	804.09	0.00	0.00	0.00
3,200.00	27.39	21.29	3,014.20	792.07	308.69	850.09	0.00	0.00	0.00
3,300.00	27.39	21.29	3,102.99	834.93	325.39	896.10	0.00	0.00	0.00
3,400.00	27.39	21.29	3,191.78	877.79	342.10	942.10	0.00	0.00	0.00
3,500.00	27.39	21.29	3,280.57	920.66	358.80	988.11	0.00	0.00	0.00
3,600.00	27.39	21.29	3,369.36	963.52	375.51	1,034.11	0.00	0.00	0.00
3,700.00	27.39	21.29	3,458.15	1,006.39	392.21	1,080.11	0.00	0.00	0.00
3,800.00	27.39	21.29	3,546.94	1,049.25	408.92	1,126.12	0.00	0.00	0.00
3,900.00	27.39	21.29	3,635.73	1,092.11	425.62	1,172.12	0.00	0.00	0.00
4,000.00	27.39	21.29	3,724.52	1,134.98	442.33	1,218.12	0.00	0.00	0.00
4,018.56	27.39	21.29	3,741.00	1,142.93	445.43	1,226.66	0.00	0.00	0.00
Mesaverde									
4,100.00	27.39	21.29	3,813.31	1,177.84	459.03	1,264.13	0.00	0.00	0.00
4,200.00	27.39	21.29	3,902.10	1,220.70	475.74	1,310.13	0.00	0.00	0.00
4,275.10	27.39	21.29	3,968.79	1,252.89	488.28	1,344.68	0.00	0.00	0.00
4,300.00	27.02	21.29	3,990.93	1,263.50	492.42	1,356.06	1.50	-1.50	0.00
4,400.00	25.52	21.29	4,080.60	1,304.73	508.49	1,400.31	1.50	-1.50	0.00
4,500.00	24.02	21.29	4,171.40	1,343.76	523.70	1,442.20	1.50	-1.50	0.00
4,600.00	22.52	21.29	4,263.27	1,380.56	538.04	1,481.70	1.50	-1.50	0.00

BBC

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Well:	CBS 31D-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	21.02	21.29	4,356.14	1,415.11	551.51	1,518.78	1.50	-1.50	0.00
4,800.00	19.52	21.29	4,449.94	1,447.39	564.08	1,553.42	1.50	-1.50	0.00
4,900.00	18.02	21.29	4,544.62	1,477.36	575.76	1,585.59	1.50	-1.50	0.00
5,000.00	16.52	21.29	4,640.12	1,505.01	586.54	1,615.27	1.50	-1.50	0.00
5,006.14	16.42	21.29	4,646.00	1,506.64	587.17	1,617.01	1.50	-1.50	0.00
Price Coal									
5,100.00	15.02	21.29	4,736.35	1,530.33	596.41	1,642.44	1.50	-1.50	0.00
5,200.00	13.52	21.29	4,833.26	1,553.29	605.36	1,667.08	1.50	-1.50	0.00
5,300.00	12.02	21.29	4,930.79	1,573.88	613.38	1,689.18	1.50	-1.50	0.00
5,400.00	10.52	21.29	5,028.86	1,592.08	620.47	1,708.72	1.50	-1.50	0.00
5,500.00	9.02	21.29	5,127.41	1,607.88	626.63	1,725.68	1.50	-1.50	0.00
5,600.00	7.52	21.29	5,226.37	1,621.28	631.85	1,740.05	1.50	-1.50	0.00
5,700.00	6.02	21.29	5,325.67	1,632.26	636.13	1,751.83	1.50	-1.50	0.00
5,780.69	4.81	21.29	5,406.00	1,639.35	638.89	1,759.44	1.50	-1.50	0.00
Top Gas									
5,800.00	4.52	21.29	5,425.24	1,640.81	639.46	1,761.01	1.50	-1.50	0.00
5,900.00	3.02	21.29	5,525.02	1,646.93	641.85	1,767.58	1.50	-1.50	0.00
6,000.00	1.52	21.29	5,624.94	1,650.61	643.29	1,771.53	1.50	-1.50	0.00
6,100.00	0.02	21.29	5,724.93	1,651.86	643.77	1,772.87	1.50	-1.50	0.00
6,101.07	0.00	0.00	5,726.00	1,651.86	643.77	1,772.87	1.50	-1.50	0.00
6,200.00	0.00	0.00	5,824.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,300.00	0.00	0.00	5,924.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,400.00	0.00	0.00	6,024.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,500.00	0.00	0.00	6,124.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,600.00	0.00	0.00	6,224.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,700.00	0.00	0.00	6,324.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,800.00	0.00	0.00	6,424.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
6,900.00	0.00	0.00	6,524.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,000.00	0.00	0.00	6,624.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,100.00	0.00	0.00	6,724.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,200.00	0.00	0.00	6,824.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,300.00	0.00	0.00	6,924.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,400.00	0.00	0.00	7,024.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,500.00	0.00	0.00	7,124.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,600.00	0.00	0.00	7,224.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,700.00	0.00	0.00	7,324.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,800.00	0.00	0.00	7,424.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
7,801.07	0.00	0.00	7,426.00	1,651.86	643.77	1,772.87	0.00	0.00	0.00
Rollins									
7,900.00	0.00	0.00	7,524.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
8,000.00	0.00	0.00	7,624.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
8,100.00	0.00	0.00	7,724.93	1,651.86	643.77	1,772.87	0.00	0.00	0.00
8,101.07	0.00	0.00	7,726.00	1,651.86	643.77	1,772.87	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
815.00	815.00	9 5/8"	9-5/8	12-1/4

BBC

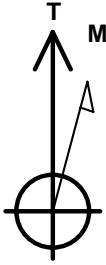
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CBS 31D-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 31D-21-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,018.56	3,741.00	Mesaverde		0.00		
5,006.14	4,646.00	Price Coal		0.00		
5,780.69	5,406.00	Top Gas		0.00		
7,801.07	7,426.00	Rollins		0.00		
	7,726.00	TD		0.00		

WELL DETAILS: CBS 31D-21-692

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1619666.160 2387364.367 30° 52.702' N 101° 18.1416 W



Azimuths to True North
 Magnetic North: 10.40°

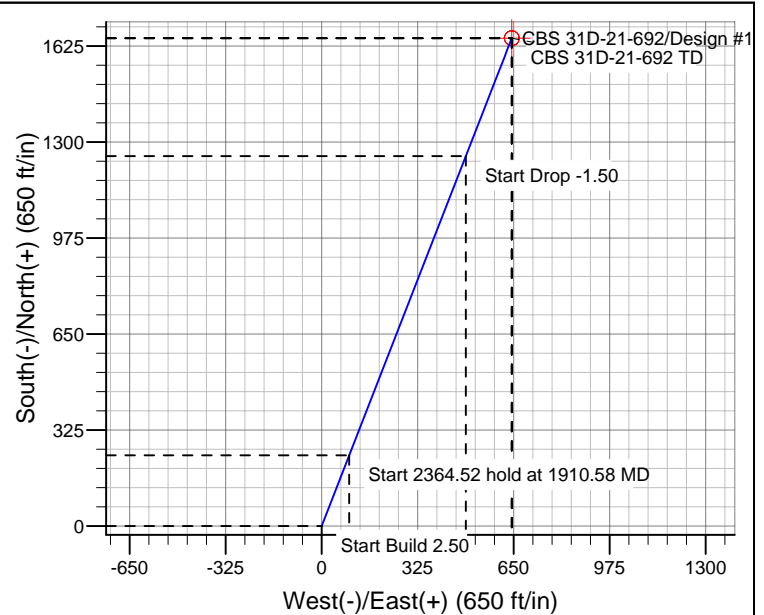
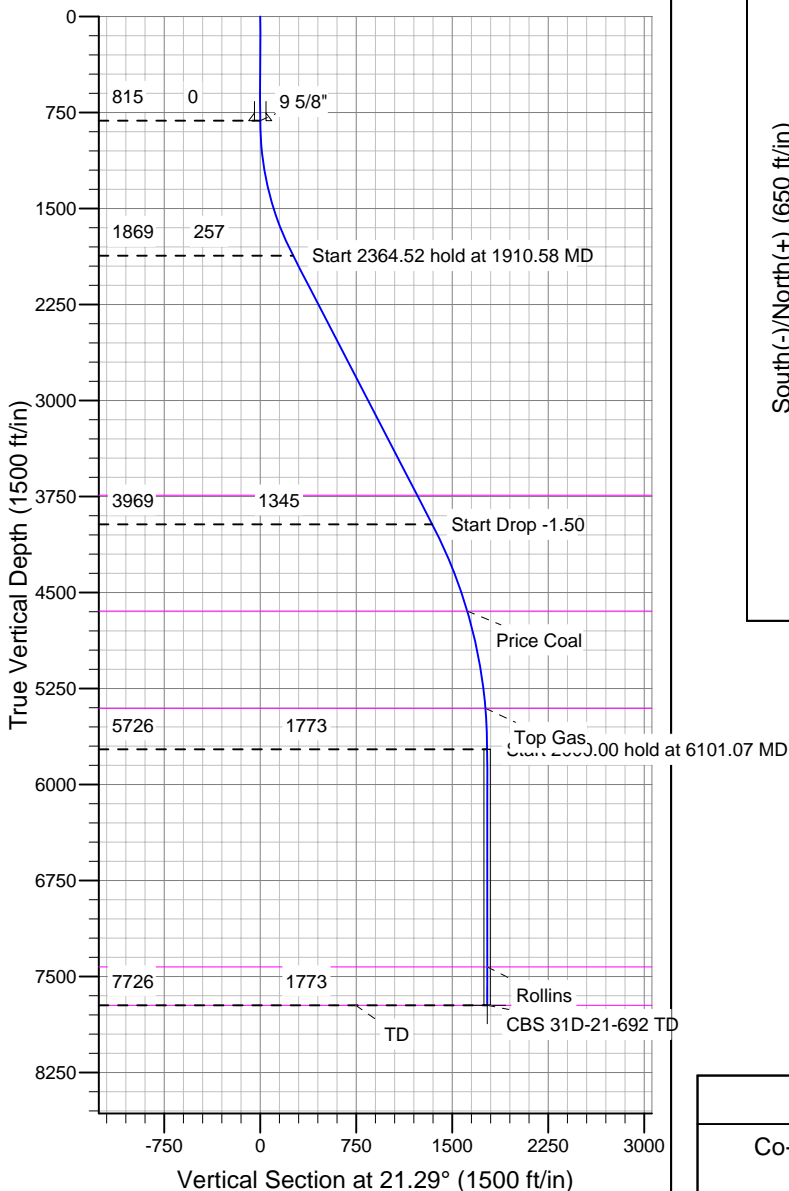
Magnetic Field
 Strength: 52427.8snT
 Dip Angle: 65.82°
 Date: 6/7/2010
 Model: BGGM2007

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	15.00	0.00	0.00	815.00	0.00	0.00	0.00	0.00	0.00	
3	10.58	27.39	21.29	1869.33	239.38	93.29	2.50	21.29	256.91	
4	75.10	27.39	21.29	3968.79	1252.89	488.28	0.00	0.00	344.68	
5	101.07	0.00	0.00	5726.00	1651.86	643.77	1.50	180.00	772.87	
6	101.07	0.00	0.00	7726.00	1651.86	643.77	0.00	0.00	772.87	CBS 31D-21-692 TD

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
CBS 31D-21-692 TD	1651.86	643.77	643.77	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
815.00	815.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVD	MD	Formation
3741.00	4018.56	Mesaverde
4646.00	5006.14	Price Coal
5406.00	5780.69	Top Gas
7426.00	7801.07	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CBS 31D-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