

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CB-TG Land NW-20-692

CB-TG Land 11C-20-692

Wellbore #1

Plan: Design #1

Standard Planning Report

19 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 11C-20-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5553.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5553.00ft (Original Well Elev)
Site:	CB-TG Land NW-20-692	North Reference:	True
Well:	CB-TG Land 11C-20-692	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	CB-TG Land NW-20-692		
Site Position:		Northing:	1,620,796.787 ft
From:	Lat/Long	Easting:	2,382,188.002 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 31' 2.716 N
		Longitude:	107° 41' 24.5220 W
		Grid Convergence:	-1.38 °

Well	CB-TG Land 11C-20-692		
Well Position	+N/-S	92.51 ft	Northing:
	+E/-W	-26.24 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	4/16/2010	10.43	65.83	52,398

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	276.72

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	
2,472.44	41.06	276.72	2,335.42	65.99	-559.89	2.50	2.50	0.00	276.72	
3,325.94	41.06	276.72	2,978.97	131.61	-1,116.67	0.00	0.00	0.00	0.00	
6,063.35	0.00	0.00	5,488.00	241.58	-2,049.82	1.50	-1.50	0.00	180.00	
8,263.35	0.00	0.00	7,688.00	241.58	-2,049.82	0.00	0.00	0.00	0.00	CB-TG Land 11C-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 11C-20-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5553.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5553.00ft (Original Well Elev)
Site:	CB-TG Land NW-20-692	North Reference:	True
Well:	CB-TG Land 11C-20-692	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	276.72	899.99	0.13	-1.06	1.07	2.50	2.50	0.00
1,000.00	4.25	276.72	999.84	0.74	-6.26	6.30	2.50	2.50	0.00
1,100.00	6.75	276.72	1,099.38	1.86	-15.78	15.89	2.50	2.50	0.00
1,200.00	9.25	276.72	1,198.39	3.49	-29.60	29.80	2.50	2.50	0.00
1,300.00	11.75	276.72	1,296.71	5.62	-47.69	48.02	2.50	2.50	0.00
1,400.00	14.25	276.72	1,394.14	8.25	-70.03	70.52	2.50	2.50	0.00
1,500.00	16.75	276.72	1,490.50	11.38	-96.57	97.24	2.50	2.50	0.00
1,600.00	19.25	276.72	1,585.60	15.00	-127.26	128.14	2.50	2.50	0.00
1,700.00	21.75	276.72	1,679.26	19.10	-162.03	163.16	2.50	2.50	0.00
1,800.00	24.25	276.72	1,771.30	23.67	-200.84	202.23	2.50	2.50	0.00
1,900.00	26.75	276.72	1,861.55	28.71	-243.59	245.27	2.50	2.50	0.00
2,000.00	29.25	276.72	1,949.84	34.20	-290.21	292.22	2.50	2.50	0.00
2,100.00	31.75	276.72	2,035.99	40.14	-340.61	342.97	2.50	2.50	0.00
2,200.00	34.25	276.72	2,119.85	46.52	-394.69	397.43	2.50	2.50	0.00
2,300.00	36.75	276.72	2,201.26	53.31	-452.36	455.49	2.50	2.50	0.00
2,400.00	39.25	276.72	2,280.05	60.52	-513.50	517.05	2.50	2.50	0.00
2,472.44	41.06	276.72	2,335.42	65.99	-559.89	563.77	2.50	2.50	0.00
2,500.00	41.06	276.72	2,356.20	68.11	-577.87	581.87	0.00	0.00	0.00
2,600.00	41.06	276.72	2,431.60	75.79	-643.10	647.55	0.00	0.00	0.00
2,700.00	41.06	276.72	2,507.00	83.48	-708.34	713.24	0.00	0.00	0.00
2,800.00	41.06	276.72	2,582.40	91.17	-773.57	778.93	0.00	0.00	0.00
2,900.00	41.06	276.72	2,657.80	98.86	-838.81	844.61	0.00	0.00	0.00
3,000.00	41.06	276.72	2,733.20	106.55	-904.04	910.30	0.00	0.00	0.00
3,100.00	41.06	276.72	2,808.60	114.24	-969.28	975.99	0.00	0.00	0.00
3,200.00	41.06	276.72	2,884.01	121.92	-1,034.51	1,041.67	0.00	0.00	0.00
3,300.00	41.06	276.72	2,959.41	129.61	-1,099.75	1,107.36	0.00	0.00	0.00
3,325.94	41.06	276.72	2,978.97	131.61	-1,116.67	1,124.40	0.00	0.00	0.00
3,400.00	39.95	276.72	3,035.28	137.24	-1,164.44	1,172.50	1.50	-1.50	0.00
3,500.00	38.45	276.72	3,112.77	144.63	-1,227.21	1,235.70	1.50	-1.50	0.00
3,600.00	36.95	276.72	3,191.89	151.79	-1,287.94	1,296.85	1.50	-1.50	0.00
3,700.00	35.45	276.72	3,272.58	158.70	-1,346.59	1,355.91	1.50	-1.50	0.00
3,800.00	33.95	276.72	3,354.79	165.37	-1,403.13	1,412.84	1.50	-1.50	0.00
3,900.00	32.45	276.72	3,438.47	171.78	-1,457.50	1,467.59	1.50	-1.50	0.00
4,000.00	30.95	276.72	3,523.55	177.93	-1,509.69	1,520.14	1.50	-1.50	0.00
4,100.00	29.45	276.72	3,609.97	183.81	-1,559.64	1,570.44	1.50	-1.50	0.00
4,166.32	28.46	276.72	3,668.00	187.57	-1,591.53	1,602.54	1.50	-1.50	0.00
Mesaverde									
4,200.00	27.95	276.72	3,697.68	189.43	-1,607.34	1,618.46	1.50	-1.50	0.00
4,300.00	26.45	276.72	3,786.62	194.78	-1,652.73	1,664.17	1.50	-1.50	0.00
4,400.00	24.95	276.72	3,876.73	199.86	-1,695.80	1,707.53	1.50	-1.50	0.00
4,500.00	23.45	276.72	3,967.94	204.66	-1,736.51	1,748.53	1.50	-1.50	0.00
4,600.00	21.95	276.72	4,060.19	209.17	-1,774.83	1,787.11	1.50	-1.50	0.00

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 11C-20-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5553.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5553.00ft (Original Well Elev)
Site:	CB-TG Land NW-20-692	North Reference:	True
Well:	CB-TG Land 11C-20-692	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	20.45	276.72	4,153.42	213.41	-1,810.74	1,823.28	1.50	-1.50	0.00
4,800.00	18.95	276.72	4,247.56	217.35	-1,844.22	1,856.99	1.50	-1.50	0.00
4,900.00	17.45	276.72	4,342.56	221.01	-1,875.24	1,888.22	1.50	-1.50	0.00
5,000.00	15.95	276.72	4,438.34	224.37	-1,903.78	1,916.95	1.50	-1.50	0.00
5,100.00	14.45	276.72	4,534.83	227.44	-1,929.82	1,943.17	1.50	-1.50	0.00
5,165.09	13.47	276.72	4,598.00	229.28	-1,945.41	1,958.88	1.50	-1.50	0.00
Price Coal									
5,200.00	12.95	276.72	4,631.99	230.21	-1,953.34	1,966.86	1.50	-1.50	0.00
5,300.00	11.45	276.72	4,729.72	232.69	-1,974.32	1,987.99	1.50	-1.50	0.00
5,400.00	9.95	276.72	4,827.98	234.86	-1,992.76	2,006.55	1.50	-1.50	0.00
5,500.00	8.45	276.72	4,926.69	236.73	-2,008.64	2,022.54	1.50	-1.50	0.00
5,600.00	6.95	276.72	5,025.79	238.30	-2,021.95	2,035.94	1.50	-1.50	0.00
5,700.00	5.45	276.72	5,125.20	239.56	-2,032.67	2,046.74	1.50	-1.50	0.00
5,800.00	3.95	276.72	5,224.86	240.52	-2,040.81	2,054.93	1.50	-1.50	0.00
5,900.00	2.45	276.72	5,324.70	241.17	-2,046.35	2,060.52	1.50	-1.50	0.00
5,903.30	2.40	276.72	5,328.00	241.19	-2,046.49	2,060.66	1.50	-1.50	0.00
Top Gas									
6,000.00	0.95	276.72	5,424.66	241.52	-2,049.30	2,063.48	1.50	-1.50	0.00
6,063.35	0.00	0.00	5,488.00	241.58	-2,049.82	2,064.01	1.50	-1.50	0.00
6,100.00	0.00	0.00	5,524.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,200.00	0.00	0.00	5,624.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,300.00	0.00	0.00	5,724.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,400.00	0.00	0.00	5,824.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,500.00	0.00	0.00	5,924.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,600.00	0.00	0.00	6,024.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,700.00	0.00	0.00	6,124.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,800.00	0.00	0.00	6,224.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
6,900.00	0.00	0.00	6,324.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,000.00	0.00	0.00	6,424.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,100.00	0.00	0.00	6,524.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,200.00	0.00	0.00	6,624.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,300.00	0.00	0.00	6,724.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,400.00	0.00	0.00	6,824.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,500.00	0.00	0.00	6,924.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,600.00	0.00	0.00	7,024.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,700.00	0.00	0.00	7,124.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,800.00	0.00	0.00	7,224.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,900.00	0.00	0.00	7,324.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
7,963.35	0.00	0.00	7,388.00	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
Rollins									
8,000.00	0.00	0.00	7,424.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
8,100.00	0.00	0.00	7,524.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
8,200.00	0.00	0.00	7,624.65	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
8,263.35	0.00	0.00	7,688.00	241.58	-2,049.82	2,064.01	0.00	0.00	0.00
TD									

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 11C-20-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5553.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5553.00ft (Original Well Elev)
Site:	CB-TG Land NW-20-692	North Reference:	True
Well:	CB-TG Land 11C-20-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

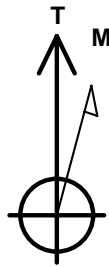
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
830.00	830.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,166.32	3,668.00	Mesaverde		0.00	
5,165.09	4,598.00	Price Coal		0.00	
5,903.30	5,328.00	Top Gas		0.00	
7,963.35	7,388.00	Rollins		0.00	
8,263.35	7,688.00	TD		0.00	

WELL DETAILS: CB-TG Land 11C-20-692

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1620889.901 2382164.009 31° 31' 3.637" N 104° 24.8568 W



Azimuths to True North
 Magnetic North: 10.42°

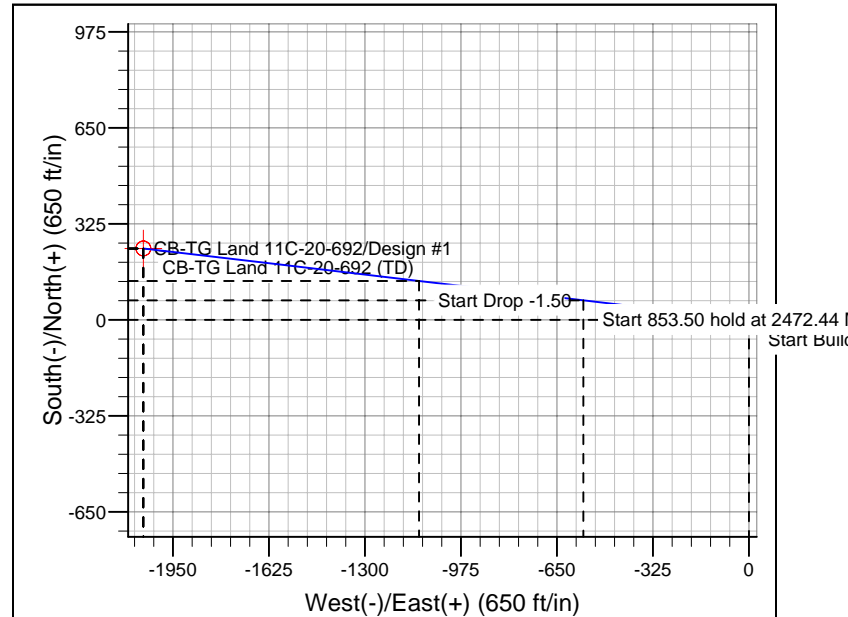
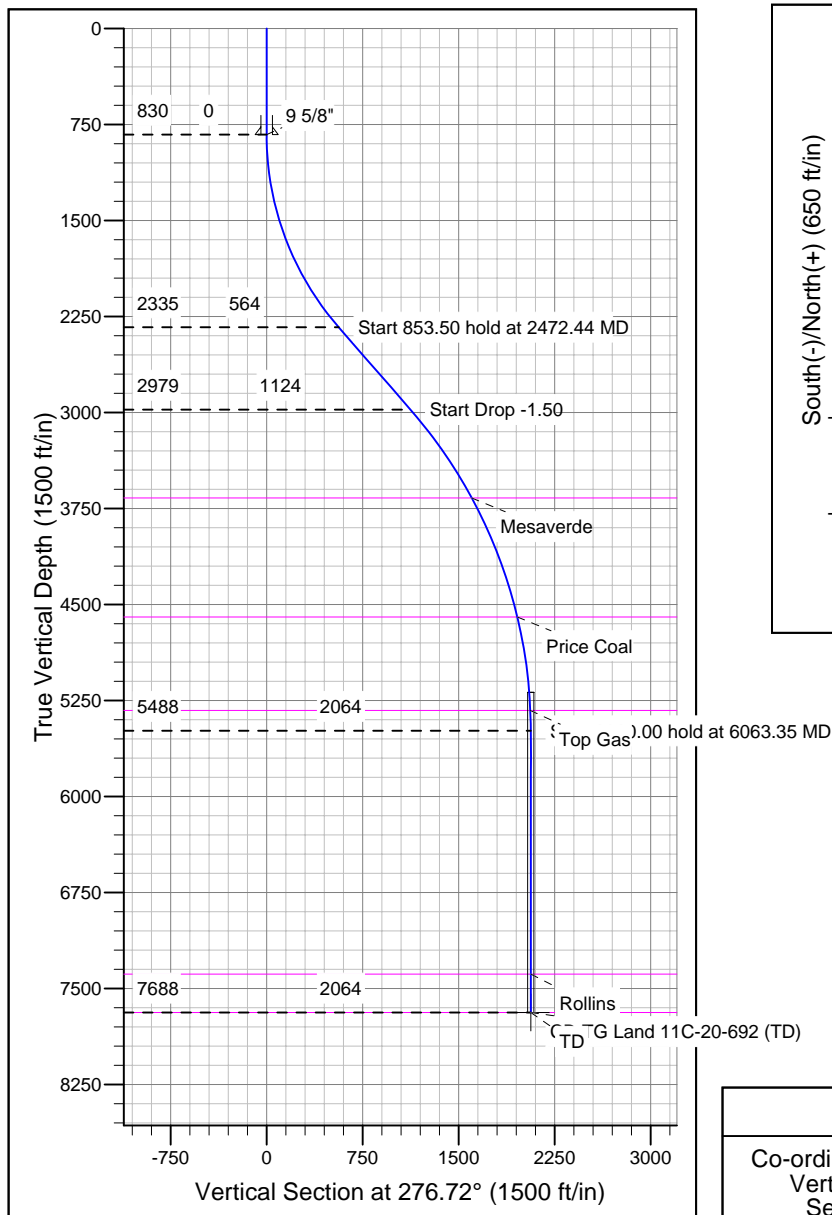
Magnetic Field
 Strength: 52398.1snT
 Dip Angle: 65.83°
 Date: 4/16/2010
 Model: BGGM2007

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	830.00	0.00	0.00	830.00	0.00	0.00	0.00	0.00	0.00	
3	2472.44	41.06	276.72	2335.42	65.99	-559.89	2.50	276.72	563.77	
4	3825.94	41.06	276.72	2978.97	131.61	-1116.67	0.00	0.00	124.40	
5	6063.35	0.00	0.00	5488.00	241.58	2049.82	1.50	180.00	2064.01	
6	7688.00	0.00	0.00	7688.00	241.58	2049.82	0.00	0.00	2064.01	CB-TG Land 11C-20-692 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
CB-TG Land 11C-20-692 (TD)	7688.00	241.58	-2049.82	Circle (Radius: 25.00)



CASING DETAILS

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

FORMATION TOP DETAILS

TVD	MD	Formation
3668.00	166.32	Mesaverde
4598.00	165.09	Price Coal
5328.00	903.30	Top Gas
7388.00	963.35	Rollins
7688.00	263.35	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CB-TG Land 11C-20-692, True North
 Vertical (TVD) Reference: WELL @ 5553.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 5553.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature