

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

CB-TG Land NW-20-692

CB-TG Land 21A-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 21A-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 21A-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 21A-20-692		
Well Position	+N/-S	15.65 ft	Northing:
	+E/-W	-4.23 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 31' 2.870 N
			Longitude:
			107° 41' 24.5760 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	4/16/2010	10.42	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	238.98

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	
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,333.12	13.83	238.98	1,327.77	-34.23	-56.93	2.50	2.50	0.00	238.98	
4,306.58	13.83	238.98	4,215.05	-400.42	-666.00	0.00	0.00	0.00	0.00	
5,228.46	0.00	0.00	5,128.00	-457.47	-760.88	1.50	-1.50	0.00	180.00	
7,728.46	0.00	0.00	7,628.00	-457.47	-760.88	0.00	0.00	0.00	0.00	0.00 CB-TG Land 21A-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 21A-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 21A-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
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.50	238.98	800.00	-0.04	-0.07	0.09	2.50	2.50	0.00
900.00	3.00	238.98	899.95	-1.62	-2.69	3.14	2.50	2.50	0.00
1,000.00	5.50	238.98	999.66	-5.44	-9.04	10.55	2.50	2.50	0.00
1,100.00	8.00	238.98	1,098.96	-11.49	-19.11	22.30	2.50	2.50	0.00
1,200.00	10.50	238.98	1,197.65	-19.77	-32.89	38.38	2.50	2.50	0.00
1,300.00	13.00	238.98	1,295.55	-30.27	-50.34	58.74	2.50	2.50	0.00
1,333.12	13.83	238.98	1,327.77	-34.23	-56.93	66.42	2.50	2.50	0.00
1,400.00	13.83	238.98	1,392.71	-42.46	-70.63	82.41	0.00	0.00	0.00
1,500.00	13.83	238.98	1,489.81	-54.78	-91.11	106.31	0.00	0.00	0.00
1,600.00	13.83	238.98	1,586.91	-67.09	-111.59	130.21	0.00	0.00	0.00
1,700.00	13.83	238.98	1,684.01	-79.41	-132.08	154.11	0.00	0.00	0.00
1,800.00	13.83	238.98	1,781.11	-91.72	-152.56	178.01	0.00	0.00	0.00
1,900.00	13.83	238.98	1,878.22	-104.04	-173.04	201.91	0.00	0.00	0.00
2,000.00	13.83	238.98	1,975.32	-116.36	-193.53	225.81	0.00	0.00	0.00
2,100.00	13.83	238.98	2,072.42	-128.67	-214.01	249.71	0.00	0.00	0.00
2,200.00	13.83	238.98	2,169.52	-140.99	-234.49	273.61	0.00	0.00	0.00
2,300.00	13.83	238.98	2,266.62	-153.30	-254.98	297.52	0.00	0.00	0.00
2,400.00	13.83	238.98	2,363.73	-165.62	-275.46	321.42	0.00	0.00	0.00
2,500.00	13.83	238.98	2,460.83	-177.93	-295.95	345.32	0.00	0.00	0.00
2,600.00	13.83	238.98	2,557.93	-190.25	-316.43	369.22	0.00	0.00	0.00
2,700.00	13.83	238.98	2,655.03	-202.56	-336.91	393.12	0.00	0.00	0.00
2,800.00	13.83	238.98	2,752.13	-214.88	-357.40	417.02	0.00	0.00	0.00
2,900.00	13.83	238.98	2,849.23	-227.20	-377.88	440.92	0.00	0.00	0.00
3,000.00	13.83	238.98	2,946.34	-239.51	-398.36	464.82	0.00	0.00	0.00
3,100.00	13.83	238.98	3,043.44	-251.83	-418.85	488.72	0.00	0.00	0.00
3,200.00	13.83	238.98	3,140.54	-264.14	-439.33	512.62	0.00	0.00	0.00
3,300.00	13.83	238.98	3,237.64	-276.46	-459.81	536.52	0.00	0.00	0.00
3,400.00	13.83	238.98	3,334.74	-288.77	-480.30	560.43	0.00	0.00	0.00
3,500.00	13.83	238.98	3,431.84	-301.09	-500.78	584.33	0.00	0.00	0.00
3,600.00	13.83	238.98	3,528.95	-313.40	-521.27	608.23	0.00	0.00	0.00
3,700.00	13.83	238.98	3,626.05	-325.72	-541.75	632.13	0.00	0.00	0.00
3,722.61	13.83	238.98	3,648.00	-328.50	-546.38	637.53	0.00	0.00	0.00
Mesaverde									
3,800.00	13.83	238.98	3,723.15	-338.04	-562.23	656.03	0.00	0.00	0.00
3,900.00	13.83	238.98	3,820.25	-350.35	-582.72	679.93	0.00	0.00	0.00
4,000.00	13.83	238.98	3,917.35	-362.67	-603.20	703.83	0.00	0.00	0.00
4,100.00	13.83	238.98	4,014.45	-374.98	-623.68	727.73	0.00	0.00	0.00
4,200.00	13.83	238.98	4,111.56	-387.30	-644.17	751.63	0.00	0.00	0.00
4,300.00	13.83	238.98	4,208.66	-399.61	-664.65	775.53	0.00	0.00	0.00
4,306.58	13.83	238.98	4,215.05	-400.42	-666.00	777.11	0.00	0.00	0.00
4,400.00	12.43	238.98	4,306.02	-411.36	-684.18	798.32	1.50	-1.50	0.00
4,500.00	10.93	238.98	4,403.95	-421.79	-701.53	818.56	1.50	-1.50	0.00
4,600.00	9.43	238.98	4,502.38	-430.89	-716.67	836.23	1.50	-1.50	0.00

BBC

Planning Report

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Well:	CB-TG Land 21A-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)
4,666.43	8.43	238.98	4,568.00	-436.20	-725.51	846.54	1.50	-1.50	0.00
Price Coal									
4,700.00	7.93	238.98	4,601.23	-438.66	-729.60	851.32	1.50	-1.50	0.00
4,800.00	6.43	238.98	4,700.44	-445.10	-740.31	863.81	1.50	-1.50	0.00
4,900.00	4.93	238.98	4,799.95	-450.20	-748.78	873.70	1.50	-1.50	0.00
5,000.00	3.43	238.98	4,899.68	-453.95	-755.02	880.98	1.50	-1.50	0.00
5,100.00	1.93	238.98	4,999.57	-456.36	-759.03	885.65	1.50	-1.50	0.00
5,200.00	0.43	238.98	5,099.54	-457.41	-760.79	887.71	1.50	-1.50	0.00
5,228.46	0.00	0.00	5,128.00	-457.47	-760.88	887.81	1.50	-1.50	0.00
5,300.00	0.00	0.00	5,199.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,400.00	0.00	0.00	5,299.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,428.46	0.00	0.00	5,328.00	-457.47	-760.88	887.81	0.00	0.00	0.00
Top Gas									
5,500.00	0.00	0.00	5,399.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,600.00	0.00	0.00	5,499.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,700.00	0.00	0.00	5,599.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,800.00	0.00	0.00	5,699.54	-457.47	-760.88	887.81	0.00	0.00	0.00
5,900.00	0.00	0.00	5,799.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,000.00	0.00	0.00	5,899.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,100.00	0.00	0.00	5,999.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,200.00	0.00	0.00	6,099.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,300.00	0.00	0.00	6,199.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,400.00	0.00	0.00	6,299.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,500.00	0.00	0.00	6,399.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,600.00	0.00	0.00	6,499.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,700.00	0.00	0.00	6,599.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,800.00	0.00	0.00	6,699.54	-457.47	-760.88	887.81	0.00	0.00	0.00
6,900.00	0.00	0.00	6,799.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,000.00	0.00	0.00	6,899.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,100.00	0.00	0.00	6,999.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,200.00	0.00	0.00	7,099.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,300.00	0.00	0.00	7,199.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,400.00	0.00	0.00	7,299.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,428.46	0.00	0.00	7,328.00	-457.47	-760.88	887.81	0.00	0.00	0.00
Rollins									
7,500.00	0.00	0.00	7,399.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,600.00	0.00	0.00	7,499.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,700.00	0.00	0.00	7,599.54	-457.47	-760.88	887.81	0.00	0.00	0.00
7,728.46	0.00	0.00	7,628.00	-457.47	-760.88	887.81	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
780.00	780.00	9 5/8"	9-5/8	12-1/4

BBC

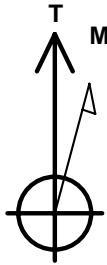
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well CB-TG Land 21A-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 21A-20-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,722.61	3,648.00	Mesaverde		0.00		
4,666.43	4,568.00	Price Coal		0.00		
5,428.46	5,328.00	Top Gas		0.00		
7,428.46	7,328.00	Rollins		0.00		
7,728.46	7,628.00	TD		0.00		

WELL DETAILS: CB-TG Land 21A-20-692

Ground Level: 0.00
+N/-S+E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1620812.538 2382184.149 49° 31' 2.877" N 104° 24.5760 W



Azimuths to True North
Magnetic North: 10.42°

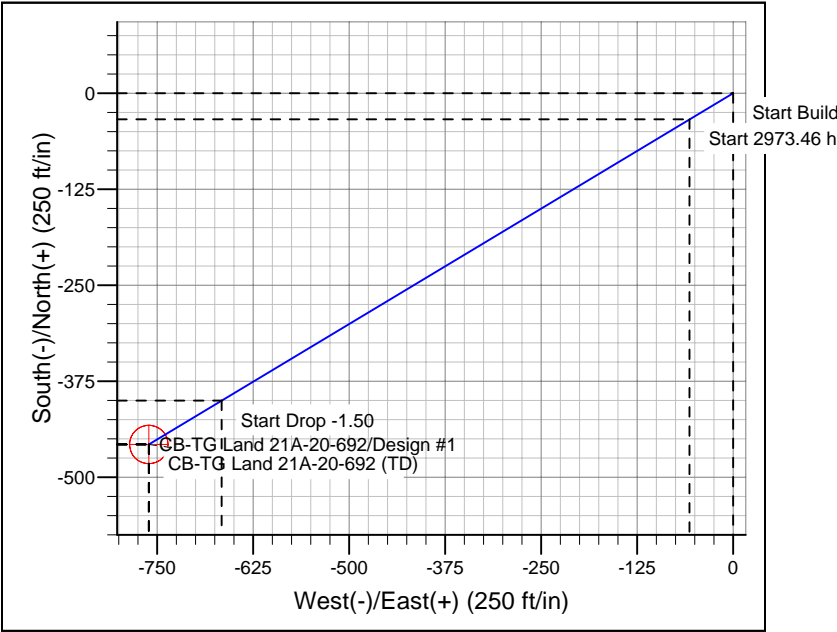
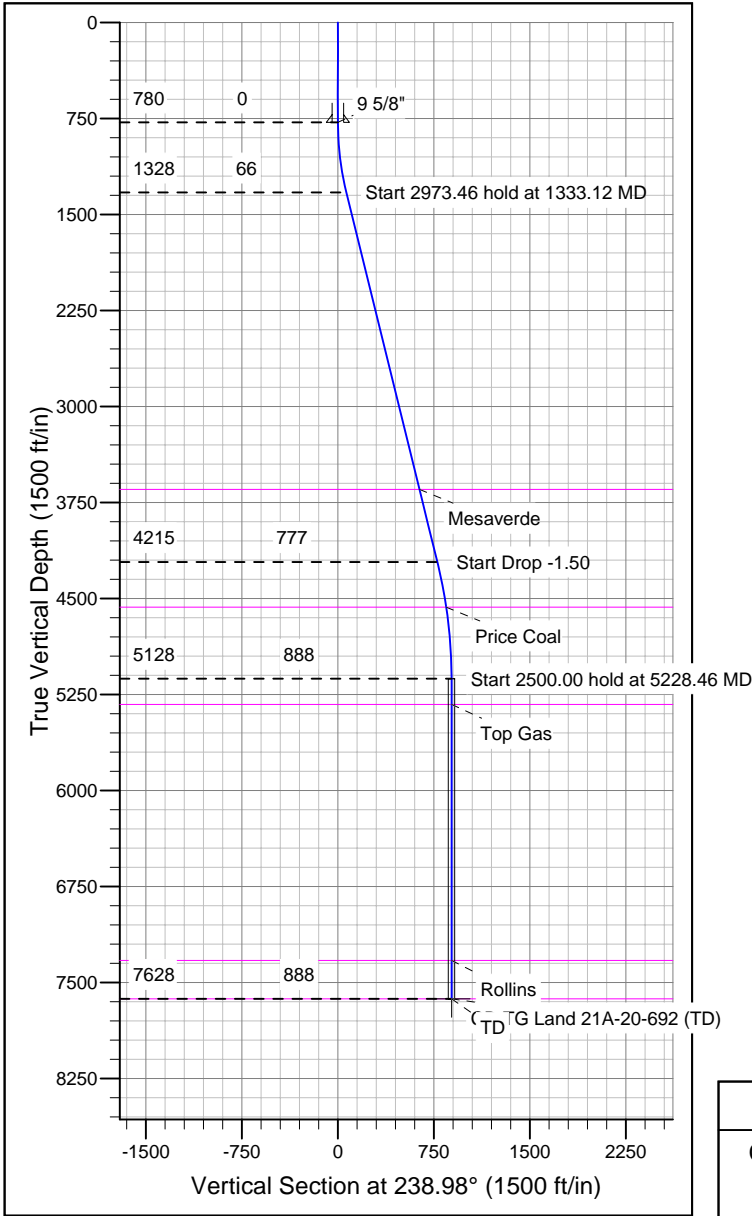
Magnetic Field
Strength: 52398.0snT
Dip Angle: 65.83°
Date: 4/16/2010
Model: BGGM2007

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	780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	
3	1333.12	13.83	238.98	1327.77	-34.23	-56.93	2.50	238.98	66.42	
4	4306.58	13.83	238.98	4215.05	-400.42	-666.00	0.00	0.00	777.11	
5	5228.46	0.00	0.00	5128.00	-457.47	-760.88	1.50	180.00	887.81	
6	7628.46	0.00	0.00	7628.00	-457.47	-760.88	0.00	0.00	887.81	CB-TG Land 21A-20-692 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
CB-TG Land 21A-20-692 (TD) -760.88 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
780.00 780.00 9 5/8" 9-5/8

FORMATION TOP DETAILS

TVD Path MD Path Formation
3648.00 3722.61 Mesaverde
4568.00 4666.43 Price Coal
5328.00 5428.46 Top Gas
7328.00 7428.46 Rollins
7628.00 7728.46 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CB-TG Land 21A-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