

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 44A-33-691

Wellbore #1

Plan: Design #1

Standard Planning Report

18 November, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 44A-33-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 44A-33-691	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	MDP #26		
Site Position:		Northing:	1,605,944.154 ft
From:	Lat/Long	Easting:	2,420,639.729 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 28' 44.832 N
		Longitude:	107° 33' 9.6912 W
		Grid Convergence:	-1.29 °

Well	Federal 44A-33-691		
Well Position	+N/-S	83.40 ft	Northing:
	+E/-W	-160.33 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 45.656 N
			Longitude:
			107° 33' 11.7360 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	10/25/2010	10.30	65.80	52,327

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	141.11

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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,166.39	9.16	141.11	1,164.83	-22.75	18.35	2.50	2.50	0.00	141.11	
5,012.55	9.16	141.11	4,961.95	-499.33	402.71	0.00	0.00	0.00	0.00	
5,623.20	0.00	0.00	5,570.00	-537.24	433.29	1.50	-1.50	0.00	180.00	
8,623.20	0.00	0.00	8,570.00	-537.24	433.29	0.00	0.00	0.00	0.00	Federal 44A-33-691

BBC

Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 44A-33-691	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
900.00	2.50	141.11	899.97	-1.70	1.37	2.18	2.50	2.50	0.00
1,000.00	5.00	141.11	999.75	-6.79	5.47	8.72	2.50	2.50	0.00
1,100.00	7.50	141.11	1,099.14	-15.26	12.31	19.61	2.50	2.50	0.00
1,166.39	9.16	141.11	1,164.83	-22.75	18.35	29.22	2.50	2.50	0.00
1,200.00	9.16	141.11	1,198.01	-26.91	21.71	34.57	0.00	0.00	0.00
1,300.00	9.16	141.11	1,296.74	-39.30	31.70	50.49	0.00	0.00	0.00
1,400.00	9.16	141.11	1,395.46	-51.69	41.69	66.41	0.00	0.00	0.00
1,500.00	9.16	141.11	1,494.19	-64.09	51.69	82.33	0.00	0.00	0.00
1,600.00	9.16	141.11	1,592.91	-76.48	61.68	98.25	0.00	0.00	0.00
1,700.00	9.16	141.11	1,691.64	-88.87	71.67	114.17	0.00	0.00	0.00
1,800.00	9.16	141.11	1,790.36	-101.26	81.67	130.09	0.00	0.00	0.00
1,900.00	9.16	141.11	1,889.09	-113.65	91.66	146.01	0.00	0.00	0.00
2,000.00	9.16	141.11	1,987.81	-126.04	101.65	161.92	0.00	0.00	0.00
2,100.00	9.16	141.11	2,086.54	-138.43	111.65	177.84	0.00	0.00	0.00
2,200.00	9.16	141.11	2,185.26	-150.82	121.64	193.76	0.00	0.00	0.00
2,300.00	9.16	141.11	2,283.99	-163.21	131.63	209.68	0.00	0.00	0.00
2,400.00	9.16	141.11	2,382.71	-175.60	141.63	225.60	0.00	0.00	0.00
2,500.00	9.16	141.11	2,481.44	-188.00	151.62	241.52	0.00	0.00	0.00
2,600.00	9.16	141.11	2,580.16	-200.39	161.61	257.44	0.00	0.00	0.00
2,700.00	9.16	141.11	2,678.89	-212.78	171.61	273.36	0.00	0.00	0.00
2,800.00	9.16	141.11	2,777.61	-225.17	181.60	289.27	0.00	0.00	0.00
2,900.00	9.16	141.11	2,876.33	-237.56	191.59	305.19	0.00	0.00	0.00
3,000.00	9.16	141.11	2,975.06	-249.95	201.59	321.11	0.00	0.00	0.00
3,100.00	9.16	141.11	3,073.78	-262.34	211.58	337.03	0.00	0.00	0.00
3,200.00	9.16	141.11	3,172.51	-274.73	221.58	352.95	0.00	0.00	0.00
3,300.00	9.16	141.11	3,271.23	-287.12	231.57	368.87	0.00	0.00	0.00
3,400.00	9.16	141.11	3,369.96	-299.51	241.56	384.79	0.00	0.00	0.00
3,500.00	9.16	141.11	3,468.68	-311.91	251.56	400.71	0.00	0.00	0.00
3,600.00	9.16	141.11	3,567.41	-324.30	261.55	416.62	0.00	0.00	0.00
3,700.00	9.16	141.11	3,666.13	-336.69	271.54	432.54	0.00	0.00	0.00
3,740.38	9.16	141.11	3,706.00	-341.69	275.58	438.97	0.00	0.00	0.00
Mesaverde									
3,800.00	9.16	141.11	3,764.86	-349.08	281.54	448.46	0.00	0.00	0.00
3,900.00	9.16	141.11	3,863.58	-361.47	291.53	464.38	0.00	0.00	0.00
4,000.00	9.16	141.11	3,962.31	-373.86	301.52	480.30	0.00	0.00	0.00
4,100.00	9.16	141.11	4,061.03	-386.25	311.52	496.22	0.00	0.00	0.00
4,200.00	9.16	141.11	4,159.76	-398.64	321.51	512.14	0.00	0.00	0.00
4,300.00	9.16	141.11	4,258.48	-411.03	331.50	528.06	0.00	0.00	0.00
4,400.00	9.16	141.11	4,357.21	-423.42	341.50	543.97	0.00	0.00	0.00
4,500.00	9.16	141.11	4,455.93	-435.82	351.49	559.89	0.00	0.00	0.00
4,600.00	9.16	141.11	4,554.66	-448.21	361.48	575.81	0.00	0.00	0.00
4,700.00	9.16	141.11	4,653.38	-460.60	371.48	591.73	0.00	0.00	0.00
4,722.91	9.16	141.11	4,676.00	-463.44	373.77	595.38	0.00	0.00	0.00
Price Coal									

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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)
4,800.00	9.16	141.11	4,752.11	-472.99	381.47	607.65	0.00	0.00	0.00
4,900.00	9.16	141.11	4,850.83	-485.38	391.46	623.57	0.00	0.00	0.00
5,000.00	9.16	141.11	4,949.56	-497.77	401.46	639.49	0.00	0.00	0.00
5,012.55	9.16	141.11	4,961.95	-499.33	402.71	641.49	0.00	0.00	0.00
5,100.00	7.85	141.11	5,048.43	-509.39	410.83	654.42	1.50	-1.50	0.00
5,200.00	6.35	141.11	5,147.66	-519.01	418.59	666.77	1.50	-1.50	0.00
5,228.50	5.92	141.11	5,176.00	-521.38	420.50	669.82	1.50	-1.50	0.00
Top Gas									
5,300.00	4.85	141.11	5,247.18	-526.60	424.71	676.53	1.50	-1.50	0.00
5,400.00	3.35	141.11	5,346.93	-532.16	429.20	683.67	1.50	-1.50	0.00
5,500.00	1.85	141.11	5,446.82	-535.69	432.04	688.21	1.50	-1.50	0.00
5,600.00	0.35	141.11	5,546.80	-537.18	433.25	690.12	1.50	-1.50	0.00
5,623.20	0.00	0.00	5,570.00	-537.24	433.29	690.19	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,646.80	-537.24	433.29	690.19	0.00	0.00	0.00
5,800.00	0.00	0.00	5,746.80	-537.24	433.29	690.19	0.00	0.00	0.00
5,900.00	0.00	0.00	5,846.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,000.00	0.00	0.00	5,946.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,100.00	0.00	0.00	6,046.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,200.00	0.00	0.00	6,146.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,300.00	0.00	0.00	6,246.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,400.00	0.00	0.00	6,346.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,500.00	0.00	0.00	6,446.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,600.00	0.00	0.00	6,546.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,700.00	0.00	0.00	6,646.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,800.00	0.00	0.00	6,746.80	-537.24	433.29	690.19	0.00	0.00	0.00
6,900.00	0.00	0.00	6,846.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,000.00	0.00	0.00	6,946.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,100.00	0.00	0.00	7,046.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,200.00	0.00	0.00	7,146.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,300.00	0.00	0.00	7,246.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,400.00	0.00	0.00	7,346.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,500.00	0.00	0.00	7,446.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,600.00	0.00	0.00	7,546.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,609.20	0.00	0.00	7,556.00	-537.24	433.29	690.19	0.00	0.00	0.00
Rollins									
7,700.00	0.00	0.00	7,646.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,800.00	0.00	0.00	7,746.80	-537.24	433.29	690.19	0.00	0.00	0.00
7,900.00	0.00	0.00	7,846.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,000.00	0.00	0.00	7,946.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,100.00	0.00	0.00	8,046.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,200.00	0.00	0.00	8,146.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,300.00	0.00	0.00	8,246.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,323.20	0.00	0.00	8,270.00	-537.24	433.29	690.19	0.00	0.00	0.00
CRCN									
8,400.00	0.00	0.00	8,346.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,500.00	0.00	0.00	8,446.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,600.00	0.00	0.00	8,546.80	-537.24	433.29	690.19	0.00	0.00	0.00
8,623.20	0.00	0.00	8,570.00	-537.24	433.29	690.19	0.00	0.00	0.00
TD									

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 44A-33-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 44A-33-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

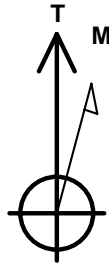
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
	9 5/8"		9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,740.38	3,706.00	Mesaverde		0.00	
4,722.91	4,676.00	Price Coal		0.00	
5,228.50	5,176.00	Top Gas		0.00	
7,609.20	7,556.00	Rollins		0.00	
8,323.20	8,270.00	CRCN		0.00	
8,623.20	8,570.00	TD		0.00	

WELL DETAILS: Federal 44A-33-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.001606031.1572420481.32628' 45.1558 N 11.7360 W



Azimuths to True North
 Magnetic North: 10.30°

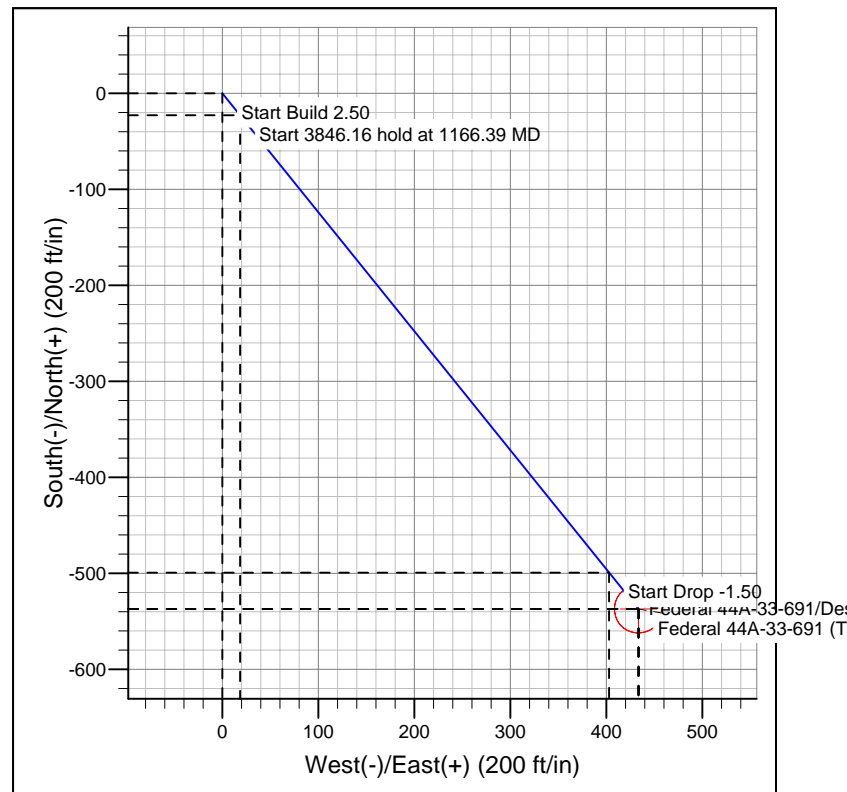
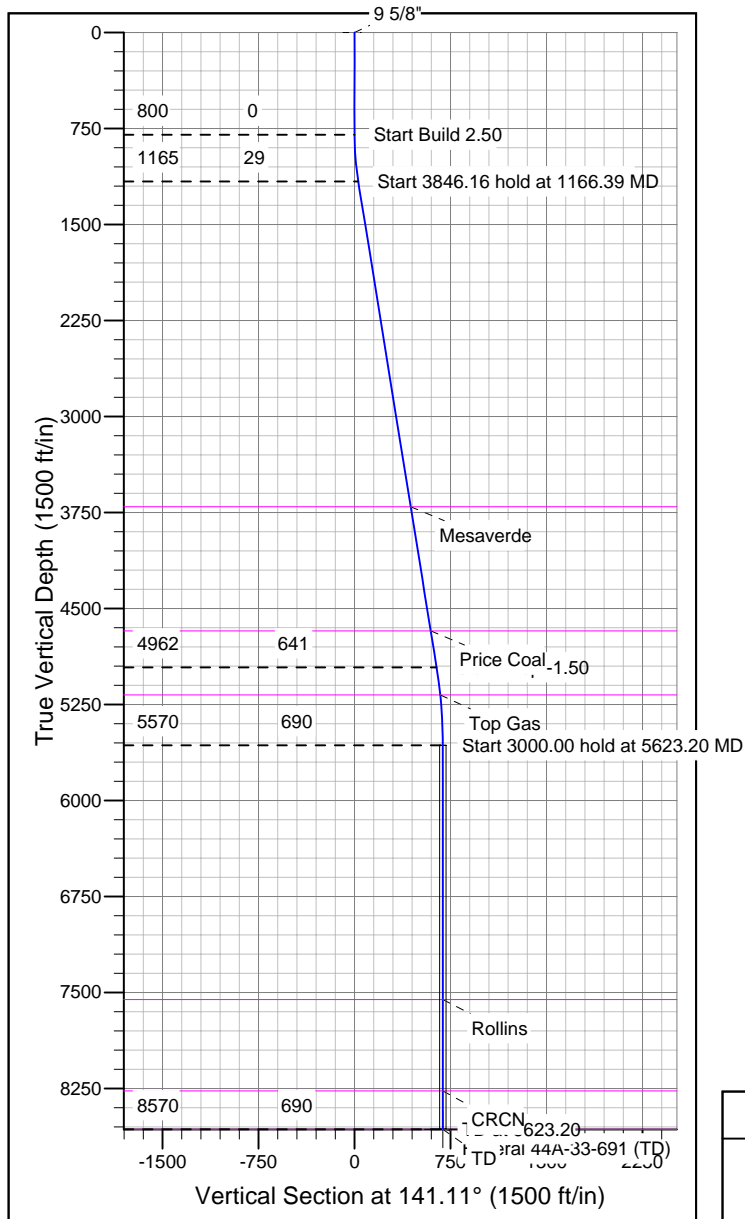
Magnetic Field
 Strength: 52327.3snT
 Dip Angle: 65.80°
 Date: 10/25/2010
 Model: BGGM2007

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	100.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	166.39	9.16	141.11	1164.83	-22.75	18.35	2.50	141.11	29.22	
4	512.55	9.16	141.11	4961.95	-499.33	402.71	0.00	0.00	641.49	
5	5623.20	0.00	0.00	5570.00	-537.24	433.29	1.50	180.00	690.19	
6	5623.20	0.00	0.00	5570.00	-537.24	433.29	0.00	0.00	690.19	Federal 44A-33-691 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Federal 44A-33-691 (TD)	5570.00	-537.24	433.29	Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVD	MD	Formation
3706.00	740.38	Mesaverde
4676.00	722.91	Price Coal
5176.00	622.50	Top Gas
7556.00	609.20	Rollins
8270.00	323.20	CRCN
8570.00	623.20	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 44A-33-691, True North
 Vertical (TVD) Reference: WELL @ 6748.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6748.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature