

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 44B-33-691

Wellbore #1

Plan: Design #1

Standard Planning Report

18 November, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 44B-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 44B-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 44B-33-691		
Well Position	+N/-S	79.76 ft	Northing:
	+E/-W	-140.57 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 45.620 N
			Longitude:
			107° 33' 11.4840 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	115.59

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	
1,032.70	5.82	115.59	1,032.30	-5.10	10.65	2.50	2.50	0.00	115.59	
5,214.77	5.82	115.59	5,192.84	-188.18	392.96	0.00	0.00	0.00	0.00	
5,602.60	0.00	0.00	5,580.00	-196.68	410.70	1.50	-1.50	0.00	180.00	
8,602.60	0.00	0.00	8,580.00	-196.68	410.70	0.00	0.00	0.00	0.00	Federal 44B-33-691

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 44B-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 44B-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	115.59	899.97	-0.94	1.97	2.18	2.50	2.50	0.00
1,000.00	5.00	115.59	999.75	-3.77	7.87	8.72	2.50	2.50	0.00
1,032.70	5.82	115.59	1,032.30	-5.10	10.65	11.80	2.50	2.50	0.00
1,100.00	5.82	115.59	1,099.25	-8.04	16.80	18.62	0.00	0.00	0.00
1,200.00	5.82	115.59	1,198.74	-12.42	25.94	28.76	0.00	0.00	0.00
1,300.00	5.82	115.59	1,298.22	-16.80	35.08	38.90	0.00	0.00	0.00
1,400.00	5.82	115.59	1,397.71	-21.18	44.22	49.03	0.00	0.00	0.00
1,500.00	5.82	115.59	1,497.19	-25.56	53.37	59.17	0.00	0.00	0.00
1,600.00	5.82	115.59	1,596.68	-29.93	62.51	69.30	0.00	0.00	0.00
1,700.00	5.82	115.59	1,696.16	-34.31	71.65	79.44	0.00	0.00	0.00
1,800.00	5.82	115.59	1,795.65	-38.69	80.79	89.58	0.00	0.00	0.00
1,900.00	5.82	115.59	1,895.13	-43.07	89.93	99.71	0.00	0.00	0.00
2,000.00	5.82	115.59	1,994.62	-47.44	99.07	109.85	0.00	0.00	0.00
2,100.00	5.82	115.59	2,094.10	-51.82	108.22	119.98	0.00	0.00	0.00
2,200.00	5.82	115.59	2,193.59	-56.20	117.36	130.12	0.00	0.00	0.00
2,300.00	5.82	115.59	2,293.07	-60.58	126.50	140.26	0.00	0.00	0.00
2,400.00	5.82	115.59	2,392.56	-64.96	135.64	150.39	0.00	0.00	0.00
2,500.00	5.82	115.59	2,492.04	-69.33	144.78	160.53	0.00	0.00	0.00
2,600.00	5.82	115.59	2,591.53	-73.71	153.92	170.66	0.00	0.00	0.00
2,700.00	5.82	115.59	2,691.01	-78.09	163.07	180.80	0.00	0.00	0.00
2,800.00	5.82	115.59	2,790.50	-82.47	172.21	190.94	0.00	0.00	0.00
2,900.00	5.82	115.59	2,889.98	-86.84	181.35	201.07	0.00	0.00	0.00
3,000.00	5.82	115.59	2,989.47	-91.22	190.49	211.21	0.00	0.00	0.00
3,100.00	5.82	115.59	3,088.95	-95.60	199.63	221.34	0.00	0.00	0.00
3,200.00	5.82	115.59	3,188.44	-99.98	208.77	231.48	0.00	0.00	0.00
3,300.00	5.82	115.59	3,287.92	-104.36	217.92	241.61	0.00	0.00	0.00
3,400.00	5.82	115.59	3,387.41	-108.73	227.06	251.75	0.00	0.00	0.00
3,500.00	5.82	115.59	3,486.89	-113.11	236.20	261.89	0.00	0.00	0.00
3,600.00	5.82	115.59	3,586.38	-117.49	245.34	272.02	0.00	0.00	0.00
3,700.00	5.82	115.59	3,685.86	-121.87	254.48	282.16	0.00	0.00	0.00
3,730.29	5.82	115.59	3,716.00	-123.19	257.25	285.23	0.00	0.00	0.00
Mesaverde									
3,800.00	5.82	115.59	3,785.35	-126.24	263.63	292.29	0.00	0.00	0.00
3,900.00	5.82	115.59	3,884.83	-130.62	272.77	302.43	0.00	0.00	0.00
4,000.00	5.82	115.59	3,984.32	-135.00	281.91	312.57	0.00	0.00	0.00
4,100.00	5.82	115.59	4,083.80	-139.38	291.05	322.70	0.00	0.00	0.00
4,200.00	5.82	115.59	4,183.29	-143.76	300.19	332.84	0.00	0.00	0.00
4,300.00	5.82	115.59	4,282.77	-148.13	309.33	342.97	0.00	0.00	0.00
4,400.00	5.82	115.59	4,382.26	-152.51	318.48	353.11	0.00	0.00	0.00
4,500.00	5.82	115.59	4,481.74	-156.89	327.62	363.25	0.00	0.00	0.00
4,600.00	5.82	115.59	4,581.23	-161.27	336.76	373.38	0.00	0.00	0.00
4,700.00	5.82	115.59	4,680.71	-165.64	345.90	383.52	0.00	0.00	0.00
4,705.31	5.82	115.59	4,686.00	-165.88	346.39	384.06	0.00	0.00	0.00
Price Coal									

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Well:	Federal 44B-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)
4,800.00	5.82	115.59	4,780.20	-170.02	355.04	393.65	0.00	0.00	0.00
4,900.00	5.82	115.59	4,879.68	-174.40	364.18	403.79	0.00	0.00	0.00
5,000.00	5.82	115.59	4,979.17	-178.78	373.33	413.93	0.00	0.00	0.00
5,100.00	5.82	115.59	5,078.65	-183.16	382.47	424.06	0.00	0.00	0.00
5,200.00	5.82	115.59	5,178.14	-187.53	391.61	434.20	0.00	0.00	0.00
5,207.90	5.82	115.59	5,186.00	-187.88	392.33	435.00	0.00	0.00	0.00
Top Gas									
5,214.77	5.82	115.59	5,192.84	-188.18	392.96	435.69	0.00	0.00	0.00
5,300.00	4.54	115.59	5,277.71	-191.50	399.90	443.39	1.50	-1.50	0.00
5,400.00	3.04	115.59	5,377.49	-194.36	405.86	449.99	1.50	-1.50	0.00
5,500.00	1.54	115.59	5,477.41	-196.08	409.46	453.99	1.50	-1.50	0.00
5,600.00	0.04	115.59	5,577.40	-196.68	410.70	455.37	1.50	-1.50	0.00
5,602.60	0.00	0.00	5,580.00	-196.68	410.70	455.37	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,677.40	-196.68	410.70	455.37	0.00	0.00	0.00
5,800.00	0.00	0.00	5,777.40	-196.68	410.70	455.37	0.00	0.00	0.00
5,900.00	0.00	0.00	5,877.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,000.00	0.00	0.00	5,977.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,100.00	0.00	0.00	6,077.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,200.00	0.00	0.00	6,177.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,300.00	0.00	0.00	6,277.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,400.00	0.00	0.00	6,377.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,500.00	0.00	0.00	6,477.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,600.00	0.00	0.00	6,577.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,700.00	0.00	0.00	6,677.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,800.00	0.00	0.00	6,777.40	-196.68	410.70	455.37	0.00	0.00	0.00
6,900.00	0.00	0.00	6,877.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,000.00	0.00	0.00	6,977.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,100.00	0.00	0.00	7,077.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,200.00	0.00	0.00	7,177.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,300.00	0.00	0.00	7,277.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,400.00	0.00	0.00	7,377.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,500.00	0.00	0.00	7,477.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,598.60	0.00	0.00	7,576.00	-196.68	410.70	455.37	0.00	0.00	0.00
Rollins									
7,600.00	0.00	0.00	7,577.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,700.00	0.00	0.00	7,677.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,800.00	0.00	0.00	7,777.40	-196.68	410.70	455.37	0.00	0.00	0.00
7,900.00	0.00	0.00	7,877.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,000.00	0.00	0.00	7,977.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,100.00	0.00	0.00	8,077.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,200.00	0.00	0.00	8,177.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,300.00	0.00	0.00	8,277.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,302.60	0.00	0.00	8,280.00	-196.68	410.70	455.37	0.00	0.00	0.00
CRCN									
8,400.00	0.00	0.00	8,377.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,500.00	0.00	0.00	8,477.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,600.00	0.00	0.00	8,577.40	-196.68	410.70	455.37	0.00	0.00	0.00
8,602.60	0.00	0.00	8,580.00	-196.68	410.70	455.37	0.00	0.00	0.00
TD									

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 44B-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 44B-33-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

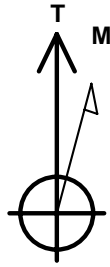
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
	9 5/8"		9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,730.29	3,716.00	Mesaverde		0.00	
4,705.31	4,686.00	Price Coal		0.00	
5,207.90	5,186.00	Top Gas		0.00	
7,598.60	7,576.00	Rollins		0.00	
8,302.60	8,280.00	CRCN		0.00	
8,602.60	8,580.00	TD		0.00	

WELL DETAILS: Federal 44B-33-691

Ground Level: 0.00
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1606027.06 92420500.99 28' 45.12" N 111.4840 W



Azimuths to True North
 Magnetic North: 10.30°

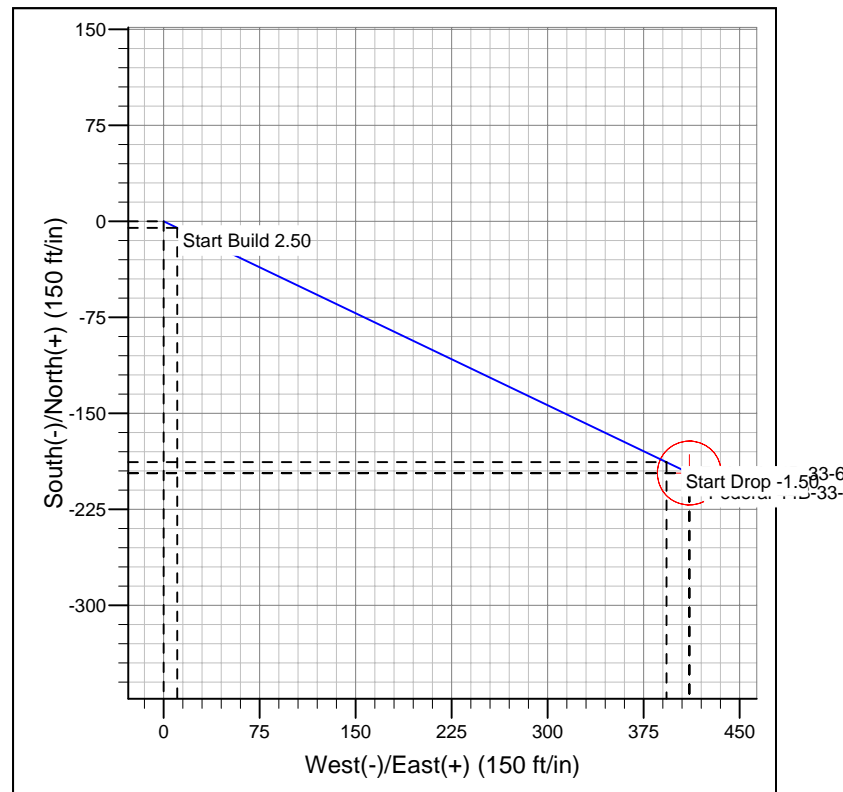
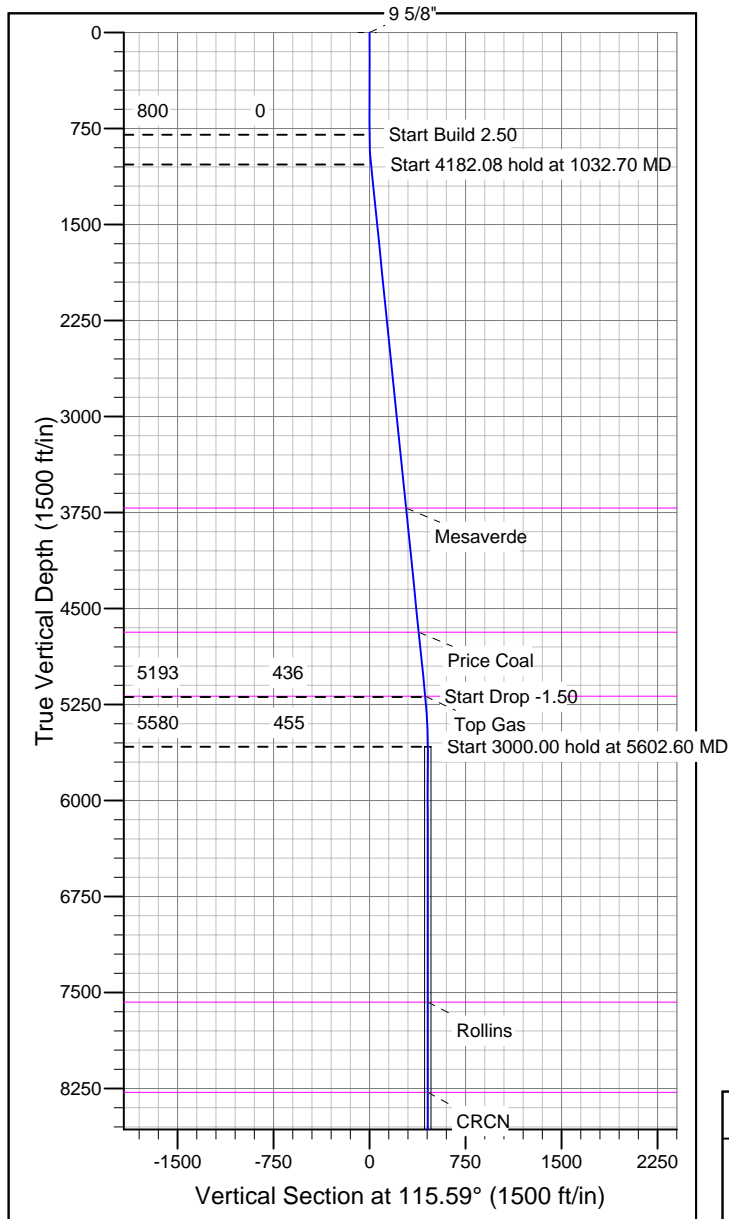
Magnetic Field
 Strength: 52327.3snT
 Dip Angle: 65.80°
 Date: 10/25/2010
 Model: BGGM2007

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	1032.70	5.82	115.59	1032.30	-5.10	10.65	2.50	115.59	11.80	
3	5214.77	5.82	115.59	5192.84	-188.18	392.96	0.00	0.00	435.69	
4	5602.60	0.00	0.00	5580.00	-196.68	410.70	1.50	180.00	455.37	
5	8502.60	0.00	0.00	8580.00	-196.68	410.70	0.00	0.00	455.37	Federal 44B-33-691 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Federal 44B-33-691 (TD)	8580.00	-196.68	410.70	Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVD	MD	Formation
3716.00	730.29	Mesaverde
4686.00	705.31	Price Coal
5186.00	6207.90	Top Gas
7576.00	598.60	Rollins
8280.00	302.60	CRCN
8580.00	602.60	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 44B-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