

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 14B-34-691

Wellbore #1

Plan: Design #1

Standard Planning Report

18 November, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 14B-34-691
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 14B-34-691	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 14B-34-691		
Well Position	+N/-S	-2.56 ft	Northing: 1,605,941.150 ft
	+E/-W	19.76 ft	Easting: 2,420,659.425 ft
Position Uncertainty		0.00 ft	Wellhead Elevation: ft
			Latitude: 39° 28' 44.807 N
			Longitude: 107° 33' 9.4392 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	93.36

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	
1,772.78	24.32	93.36	1,743.83	-11.92	203.02	2.50	2.50	0.00	93.36	
4,300.17	24.32	93.36	4,046.95	-72.95	1,242.06	0.00	0.00	0.00	0.00	
5,921.46	0.00	0.00	5,620.00	-92.82	1,580.43	1.50	-1.50	0.00	180.00	
8,921.46	0.00	0.00	8,620.00	-92.82	1,580.43	0.00	0.00	0.00	0.00	Federal 14B-34-691

BBC

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Site:	MDP #26	North Reference:	True
Well:	Federal 14B-34-691	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	93.36	899.97	-0.13	2.18	2.18	2.50	2.50	0.00
1,000.00	5.00	93.36	999.75	-0.51	8.71	8.72	2.50	2.50	0.00
1,100.00	7.50	93.36	1,099.14	-1.15	19.57	19.61	2.50	2.50	0.00
1,200.00	10.00	93.36	1,197.97	-2.04	34.76	34.82	2.50	2.50	0.00
1,300.00	12.50	93.36	1,296.04	-3.19	54.23	54.33	2.50	2.50	0.00
1,400.00	15.00	93.36	1,393.17	-4.58	77.96	78.09	2.50	2.50	0.00
1,500.00	17.50	93.36	1,489.17	-6.22	105.89	106.07	2.50	2.50	0.00
1,600.00	20.00	93.36	1,583.85	-8.10	137.98	138.21	2.50	2.50	0.00
1,700.00	22.50	93.36	1,677.05	-10.23	174.15	174.45	2.50	2.50	0.00
1,772.78	24.32	93.36	1,743.83	-11.92	203.02	203.37	2.50	2.50	0.00
1,800.00	24.32	93.36	1,768.64	-12.58	214.21	214.58	0.00	0.00	0.00
1,900.00	24.32	93.36	1,859.76	-15.00	255.32	255.76	0.00	0.00	0.00
2,000.00	24.32	93.36	1,950.89	-17.41	296.43	296.94	0.00	0.00	0.00
2,100.00	24.32	93.36	2,042.02	-19.83	337.54	338.13	0.00	0.00	0.00
2,200.00	24.32	93.36	2,133.14	-22.24	378.66	379.31	0.00	0.00	0.00
2,300.00	24.32	93.36	2,224.27	-24.65	419.77	420.49	0.00	0.00	0.00
2,400.00	24.32	93.36	2,315.40	-27.07	460.88	461.67	0.00	0.00	0.00
2,500.00	24.32	93.36	2,406.52	-29.48	501.99	502.86	0.00	0.00	0.00
2,600.00	24.32	93.36	2,497.65	-31.90	543.10	544.04	0.00	0.00	0.00
2,700.00	24.32	93.36	2,588.77	-34.31	584.21	585.22	0.00	0.00	0.00
2,800.00	24.32	93.36	2,679.90	-36.73	625.32	626.40	0.00	0.00	0.00
2,900.00	24.32	93.36	2,771.03	-39.14	666.44	667.58	0.00	0.00	0.00
3,000.00	24.32	93.36	2,862.15	-41.56	707.55	708.77	0.00	0.00	0.00
3,100.00	24.32	93.36	2,953.28	-43.97	748.66	749.95	0.00	0.00	0.00
3,200.00	24.32	93.36	3,044.41	-46.39	789.77	791.13	0.00	0.00	0.00
3,300.00	24.32	93.36	3,135.53	-48.80	830.88	832.31	0.00	0.00	0.00
3,400.00	24.32	93.36	3,226.66	-51.21	871.99	873.50	0.00	0.00	0.00
3,500.00	24.32	93.36	3,317.79	-53.63	913.10	914.68	0.00	0.00	0.00
3,600.00	24.32	93.36	3,408.91	-56.04	954.22	955.86	0.00	0.00	0.00
3,700.00	24.32	93.36	3,500.04	-58.46	995.33	997.04	0.00	0.00	0.00
3,800.00	24.32	93.36	3,591.17	-60.87	1,036.44	1,038.22	0.00	0.00	0.00
3,900.00	24.32	93.36	3,682.29	-63.29	1,077.55	1,079.41	0.00	0.00	0.00
3,947.96	24.32	93.36	3,726.00	-64.45	1,097.27	1,099.16	0.00	0.00	0.00
Mesaverde									
4,000.00	24.32	93.36	3,773.42	-65.70	1,118.66	1,120.59	0.00	0.00	0.00
4,100.00	24.32	93.36	3,864.54	-68.12	1,159.77	1,161.77	0.00	0.00	0.00
4,200.00	24.32	93.36	3,955.67	-70.53	1,200.88	1,202.95	0.00	0.00	0.00
4,300.00	24.32	93.36	4,046.80	-72.95	1,242.00	1,244.14	0.00	0.00	0.00
4,300.17	24.32	93.36	4,046.95	-72.95	1,242.06	1,244.20	0.00	0.00	0.00
4,400.00	22.82	93.36	4,138.45	-75.29	1,281.92	1,284.12	1.50	-1.50	0.00
4,500.00	21.32	93.36	4,231.12	-77.49	1,319.43	1,321.70	1.50	-1.50	0.00
4,600.00	19.82	93.36	4,324.74	-79.55	1,354.50	1,356.84	1.50	-1.50	0.00
4,700.00	18.32	93.36	4,419.25	-81.47	1,387.12	1,389.51	1.50	-1.50	0.00
4,800.00	16.82	93.36	4,514.58	-83.24	1,417.26	1,419.70	1.50	-1.50	0.00

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Site:	MDP #26	North Reference:	True
Well:	Federal 14B-34-691	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)
4,900.00	15.32	93.36	4,610.67	-84.86	1,444.90	1,447.39	1.50	-1.50	0.00
4,998.51	13.84	93.36	4,706.00	-86.32	1,469.65	1,472.19	1.50	-1.50	0.00
Price Coal									
5,000.00	13.82	93.36	4,707.45	-86.34	1,470.01	1,472.54	1.50	-1.50	0.00
5,100.00	12.32	93.36	4,804.85	-87.66	1,492.59	1,495.16	1.50	-1.50	0.00
5,200.00	10.82	93.36	4,902.82	-88.84	1,512.61	1,515.22	1.50	-1.50	0.00
5,300.00	9.32	93.36	5,001.27	-89.87	1,530.07	1,532.71	1.50	-1.50	0.00
5,400.00	7.82	93.36	5,100.15	-90.74	1,544.95	1,547.61	1.50	-1.50	0.00
5,500.00	6.32	93.36	5,199.39	-91.46	1,557.24	1,559.92	1.50	-1.50	0.00
5,506.65	6.22	93.36	5,206.00	-91.50	1,557.97	1,560.65	1.50	-1.50	0.00
Top Gas									
5,600.00	4.82	93.36	5,298.92	-92.03	1,566.93	1,569.63	1.50	-1.50	0.00
5,700.00	3.32	93.36	5,398.66	-92.45	1,574.02	1,576.73	1.50	-1.50	0.00
5,800.00	1.82	93.36	5,498.56	-92.71	1,578.50	1,581.22	1.50	-1.50	0.00
5,900.00	0.32	93.36	5,598.54	-92.82	1,580.37	1,583.09	1.50	-1.50	0.00
5,921.46	0.00	0.00	5,620.00	-92.82	1,580.43	1,583.15	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,698.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,100.00	0.00	0.00	5,798.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,200.00	0.00	0.00	5,898.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,300.00	0.00	0.00	5,998.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,400.00	0.00	0.00	6,098.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,500.00	0.00	0.00	6,198.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,600.00	0.00	0.00	6,298.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,700.00	0.00	0.00	6,398.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,800.00	0.00	0.00	6,498.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
6,900.00	0.00	0.00	6,598.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,000.00	0.00	0.00	6,698.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,100.00	0.00	0.00	6,798.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,200.00	0.00	0.00	6,898.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,300.00	0.00	0.00	6,998.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,400.00	0.00	0.00	7,098.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,500.00	0.00	0.00	7,198.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,600.00	0.00	0.00	7,298.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,700.00	0.00	0.00	7,398.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,800.00	0.00	0.00	7,498.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,900.00	0.00	0.00	7,598.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
7,907.46	0.00	0.00	7,606.00	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
Rollins									
8,000.00	0.00	0.00	7,698.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,100.00	0.00	0.00	7,798.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,200.00	0.00	0.00	7,898.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,300.00	0.00	0.00	7,998.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,400.00	0.00	0.00	8,098.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,500.00	0.00	0.00	8,198.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,600.00	0.00	0.00	8,298.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,621.46	0.00	0.00	8,320.00	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
CRCN									
8,700.00	0.00	0.00	8,398.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,800.00	0.00	0.00	8,498.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,900.00	0.00	0.00	8,598.54	-92.82	1,580.43	1,583.15	0.00	0.00	0.00
8,921.46	0.00	0.00	8,620.00	-92.82	1,580.43	1,583.15	0.00	0.00	0.00

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 14B-34-691
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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 14B-34-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Casing Points

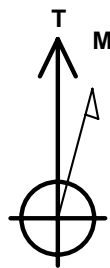
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
	9 5/8"		9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,947.96	3,726.00	Mesaverde		0.00	
4,998.51	4,706.00	Price Coal		0.00	
5,506.65	5,206.00	Top Gas		0.00	
7,907.46	7,606.00	Rollins		0.00	
8,621.46	8,320.00	CRCN		0.00	
	8,620.00	TD		0.00	

WELL DETAILS: Federal 14B-34-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.001605941.1502420659.32528' 44.807°N33' 9.4392 W



Azimuths to True North
 Magnetic North: 10.30°

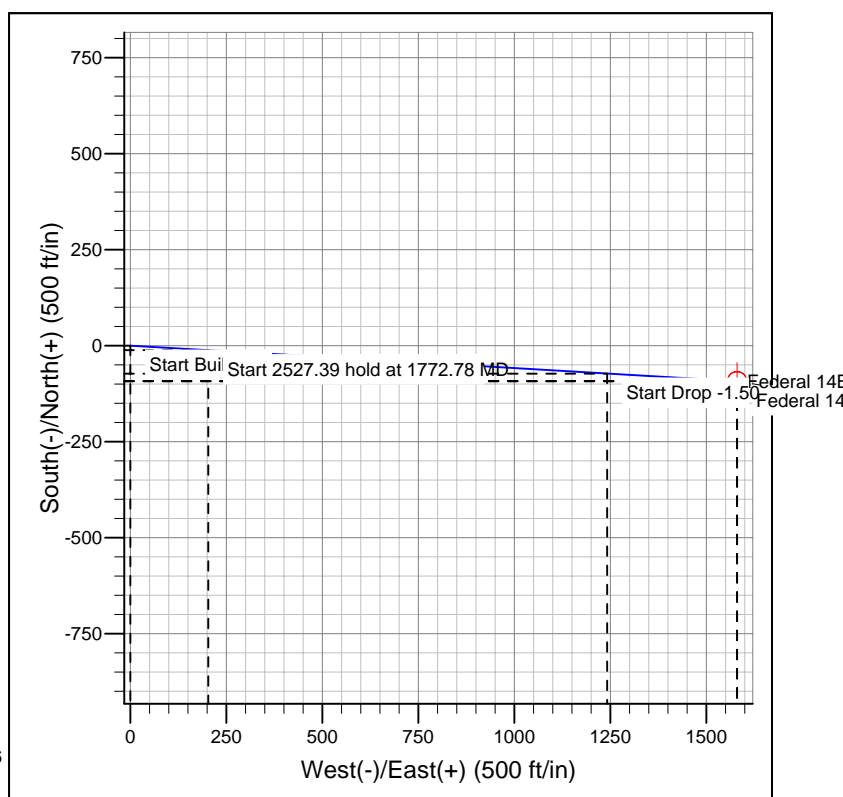
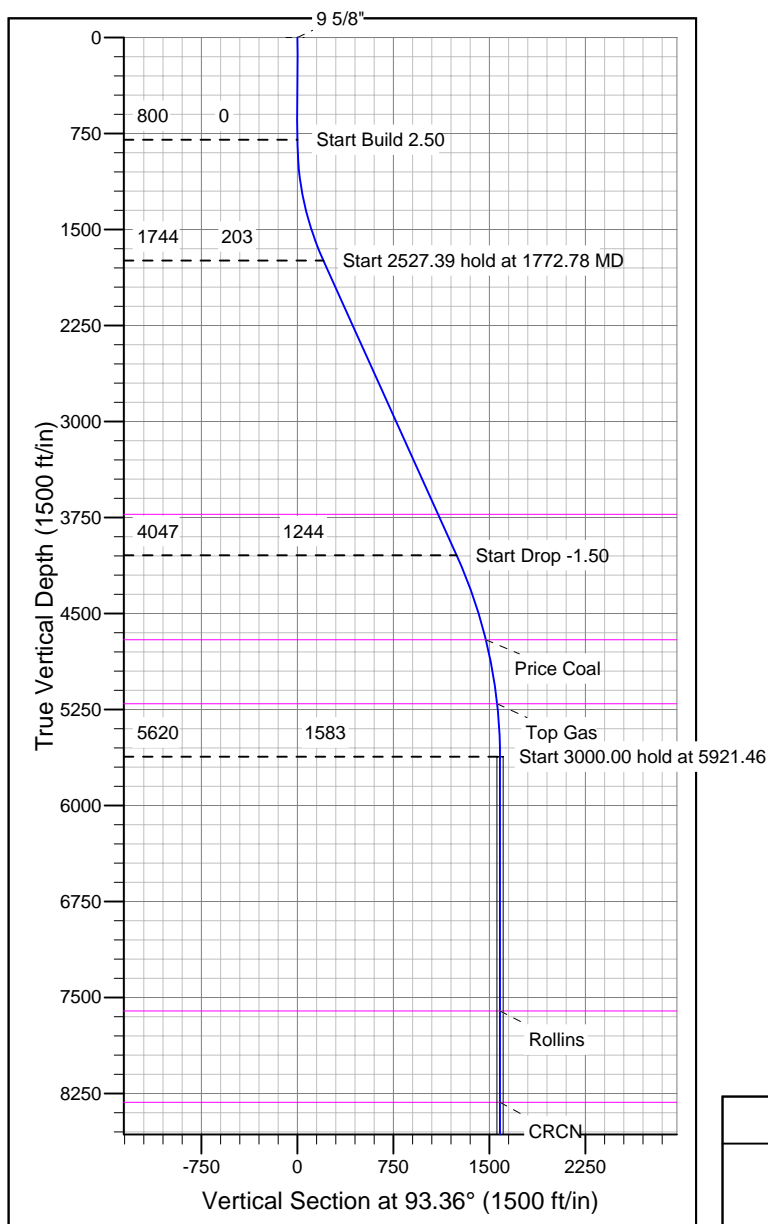
Magnetic Field
 Strength: 52327.3snT
 Dip Angle: 65.80°
 Date: 10/25/2010
 Model: BGGM2007

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	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	1772.78	24.32	93.36	1743.83	-11.92	203.02	2.50	93.36	203.37	
4	300.17	24.32	93.36	4046.95	-72.95	1242.06	0.00	0.00	1244.20	
5	5921.46	0.00	0.00	5620.00	-92.82	1580.43	1.50	180.00	1583.15	
6	8321.46	0.00	0.00	8620.00	-92.82	1580.43	0.00	0.00	1583.15	Federal 14B-34-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 Federal 14B-34-691 (TD) 1580.43 1580.43 Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVD	MD	Path	Formation
3726.00	9947.96		TD
4706.00	998.51		Mesaverde
5206.00	506.65		Price Coal
7606.00	907.46		Top Gas
8320.00	621.46		Rollins
			CRCN

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 14B-34-691, 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