

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 14A-34-691

Wellbore #1

Plan: Design #1

Standard Planning Report

18 November, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 14A-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 14A-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 14A-34-691		
Well Position	+N/-S	-1.10 ft	Northing:
	+E/-W	9.88 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 44.821 N
			Longitude:
			107° 33' 9.5652 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	105.15

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	
1,733.81	23.35	105.15	1,708.19	-49.03	181.11	2.50	2.50	0.00	105.15	
4,635.53	23.35	105.15	4,372.35	-349.49	1,291.02	0.00	0.00	0.00	0.00	
6,191.89	0.00	0.00	5,886.00	-431.20	1,592.87	1.50	-1.50	0.00	180.00	
8,191.89	0.00	0.00	7,886.00	-431.20	1,592.87	0.00	0.00	0.00	0.00	Federal 14A-34-691

BBC

Planning Report

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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 14A-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	105.15	899.97	-0.57	2.11	2.18	2.50	2.50	0.00
1,000.00	5.00	105.15	999.75	-2.28	8.42	8.72	2.50	2.50	0.00
1,100.00	7.50	105.15	1,099.14	-5.12	18.93	19.61	2.50	2.50	0.00
1,200.00	10.00	105.15	1,197.97	-9.10	33.61	34.82	2.50	2.50	0.00
1,300.00	12.50	105.15	1,296.04	-14.20	52.44	54.33	2.50	2.50	0.00
1,400.00	15.00	105.15	1,393.17	-20.41	75.38	78.09	2.50	2.50	0.00
1,500.00	17.50	105.15	1,489.17	-27.72	102.39	106.07	2.50	2.50	0.00
1,600.00	20.00	105.15	1,583.85	-36.12	133.41	138.21	2.50	2.50	0.00
1,700.00	22.50	105.15	1,677.05	-45.59	168.39	174.45	2.50	2.50	0.00
1,733.81	23.35	105.15	1,708.19	-49.03	181.11	187.63	2.50	2.50	0.00
1,800.00	23.35	105.15	1,768.96	-55.88	206.42	213.85	0.00	0.00	0.00
1,900.00	23.35	105.15	1,860.77	-66.23	244.67	253.48	0.00	0.00	0.00
2,000.00	23.35	105.15	1,952.58	-76.59	282.92	293.11	0.00	0.00	0.00
2,100.00	23.35	105.15	2,044.40	-86.94	321.17	332.73	0.00	0.00	0.00
2,200.00	23.35	105.15	2,136.21	-97.30	359.42	372.36	0.00	0.00	0.00
2,300.00	23.35	105.15	2,228.02	-107.65	397.67	411.99	0.00	0.00	0.00
2,400.00	23.35	105.15	2,319.84	-118.01	435.93	451.62	0.00	0.00	0.00
2,500.00	23.35	105.15	2,411.65	-128.36	474.18	491.24	0.00	0.00	0.00
2,600.00	23.35	105.15	2,503.46	-138.72	512.43	530.87	0.00	0.00	0.00
2,700.00	23.35	105.15	2,595.28	-149.07	550.68	570.50	0.00	0.00	0.00
2,800.00	23.35	105.15	2,687.09	-159.43	588.93	610.12	0.00	0.00	0.00
2,900.00	23.35	105.15	2,778.90	-169.78	627.18	649.75	0.00	0.00	0.00
3,000.00	23.35	105.15	2,870.72	-180.14	665.43	689.38	0.00	0.00	0.00
3,100.00	23.35	105.15	2,962.53	-190.49	703.68	729.01	0.00	0.00	0.00
3,200.00	23.35	105.15	3,054.34	-200.85	741.93	768.63	0.00	0.00	0.00
3,300.00	23.35	105.15	3,146.16	-211.20	780.18	808.26	0.00	0.00	0.00
3,400.00	23.35	105.15	3,237.97	-221.55	818.43	847.89	0.00	0.00	0.00
3,500.00	23.35	105.15	3,329.78	-231.91	856.68	887.51	0.00	0.00	0.00
3,600.00	23.35	105.15	3,421.60	-242.26	894.93	927.14	0.00	0.00	0.00
3,700.00	23.35	105.15	3,513.41	-252.62	933.18	966.77	0.00	0.00	0.00
3,800.00	23.35	105.15	3,605.22	-262.97	971.43	1,006.40	0.00	0.00	0.00
3,900.00	23.35	105.15	3,697.04	-273.33	1,009.68	1,046.02	0.00	0.00	0.00
3,920.65	23.35	105.15	3,716.00	-275.47	1,017.58	1,054.21	0.00	0.00	0.00
Mesaverde									
4,000.00	23.35	105.15	3,788.85	-283.68	1,047.93	1,085.65	0.00	0.00	0.00
4,100.00	23.35	105.15	3,880.66	-294.04	1,086.18	1,125.28	0.00	0.00	0.00
4,200.00	23.35	105.15	3,972.48	-304.39	1,124.43	1,164.91	0.00	0.00	0.00
4,300.00	23.35	105.15	4,064.29	-314.75	1,162.68	1,204.53	0.00	0.00	0.00
4,400.00	23.35	105.15	4,156.10	-325.10	1,200.93	1,244.16	0.00	0.00	0.00
4,500.00	23.35	105.15	4,247.92	-335.46	1,239.18	1,283.79	0.00	0.00	0.00
4,600.00	23.35	105.15	4,339.73	-345.81	1,277.43	1,323.41	0.00	0.00	0.00
4,635.53	23.35	105.15	4,372.35	-349.49	1,291.02	1,337.49	0.00	0.00	0.00
4,700.00	22.38	105.15	4,431.76	-356.03	1,315.20	1,362.54	1.50	-1.50	0.00
4,800.00	20.88	105.15	4,524.71	-365.66	1,350.78	1,399.40	1.50	-1.50	0.00

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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)
4,900.00	19.38	105.15	4,618.60	-374.66	1,383.99	1,433.81	1.50	-1.50	0.00
4,981.74	18.15	105.15	4,696.00	-381.53	1,409.38	1,460.10	1.50	-1.50	0.00
Price Coal									
5,000.00	17.88	105.15	4,713.36	-383.00	1,414.83	1,465.75	1.50	-1.50	0.00
5,100.00	16.38	105.15	4,808.92	-390.70	1,443.25	1,495.20	1.50	-1.50	0.00
5,200.00	14.88	105.15	4,905.22	-397.74	1,469.26	1,522.14	1.50	-1.50	0.00
5,300.00	13.38	105.15	5,002.20	-404.12	1,492.82	1,546.55	1.50	-1.50	0.00
5,400.00	11.88	105.15	5,099.77	-409.83	1,513.92	1,568.41	1.50	-1.50	0.00
5,498.08	10.41	105.15	5,196.00	-414.78	1,532.21	1,587.36	1.50	-1.50	0.00
Top Gas									
5,500.00	10.38	105.15	5,197.89	-414.87	1,532.55	1,587.71	1.50	-1.50	0.00
5,600.00	8.88	105.15	5,296.48	-419.24	1,548.69	1,604.44	1.50	-1.50	0.00
5,700.00	7.38	105.15	5,395.47	-422.94	1,562.34	1,618.57	1.50	-1.50	0.00
5,800.00	5.88	105.15	5,494.80	-425.95	1,573.48	1,630.12	1.50	-1.50	0.00
5,900.00	4.38	105.15	5,594.40	-428.29	1,582.11	1,639.05	1.50	-1.50	0.00
6,000.00	2.88	105.15	5,694.19	-429.94	1,588.22	1,645.38	1.50	-1.50	0.00
6,100.00	1.38	105.15	5,794.12	-430.91	1,591.80	1,649.10	1.50	-1.50	0.00
6,191.89	0.00	0.00	5,886.00	-431.20	1,592.87	1,650.20	1.50	-1.50	0.00
6,200.00	0.00	0.00	5,894.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,300.00	0.00	0.00	5,994.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,400.00	0.00	0.00	6,094.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,500.00	0.00	0.00	6,194.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,600.00	0.00	0.00	6,294.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,700.00	0.00	0.00	6,394.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,800.00	0.00	0.00	6,494.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
6,900.00	0.00	0.00	6,594.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,000.00	0.00	0.00	6,694.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,100.00	0.00	0.00	6,794.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,200.00	0.00	0.00	6,894.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,300.00	0.00	0.00	6,994.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,400.00	0.00	0.00	7,094.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,500.00	0.00	0.00	7,194.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,600.00	0.00	0.00	7,294.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,700.00	0.00	0.00	7,394.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,800.00	0.00	0.00	7,494.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
7,891.89	0.00	0.00	7,586.00	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
Rollins									
7,900.00	0.00	0.00	7,594.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
8,000.00	0.00	0.00	7,694.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
8,100.00	0.00	0.00	7,794.11	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
8,191.89	0.00	0.00	7,886.00	-431.20	1,592.87	1,650.20	0.00	0.00	0.00
TD									

Casing Points

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

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 14A-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 14A-34-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,920.65	3,716.00	Mesaverde		0.00		
4,981.74	4,696.00	Price Coal		0.00		
5,498.08	5,196.00	Top Gas		0.00		
7,891.89	7,586.00	Rollins		0.00		
8,191.89	7,886.00	TD		0.00		

WELL DETAILS: Federal 14A-34-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.001605942.8302420649.59128' 44.827'N33' 9.5652 W



Azimuths to True North
 Magnetic North: 10.30°

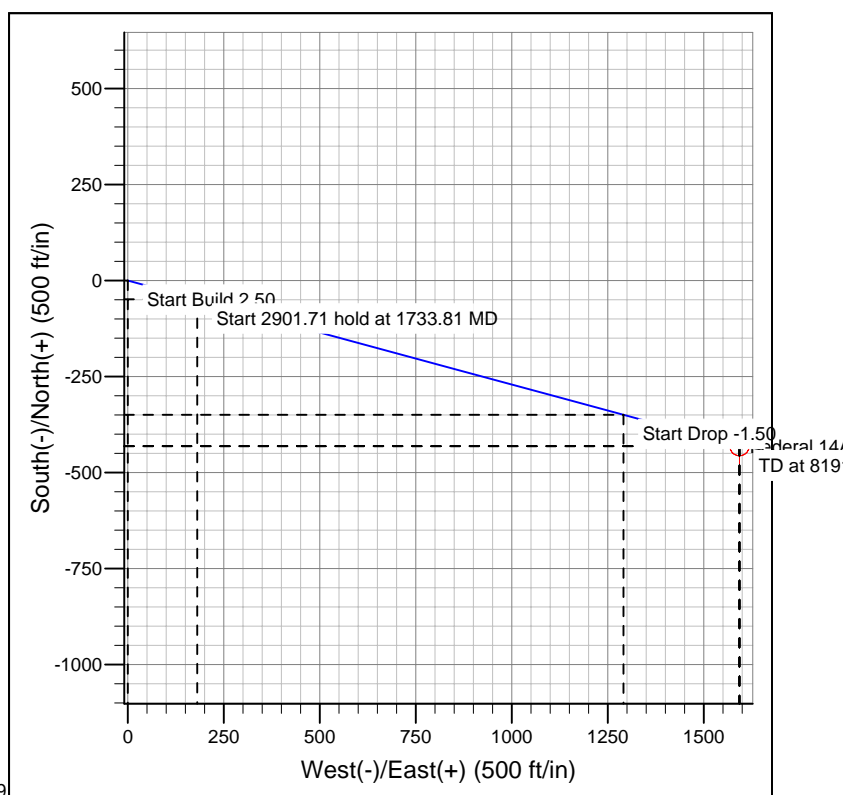
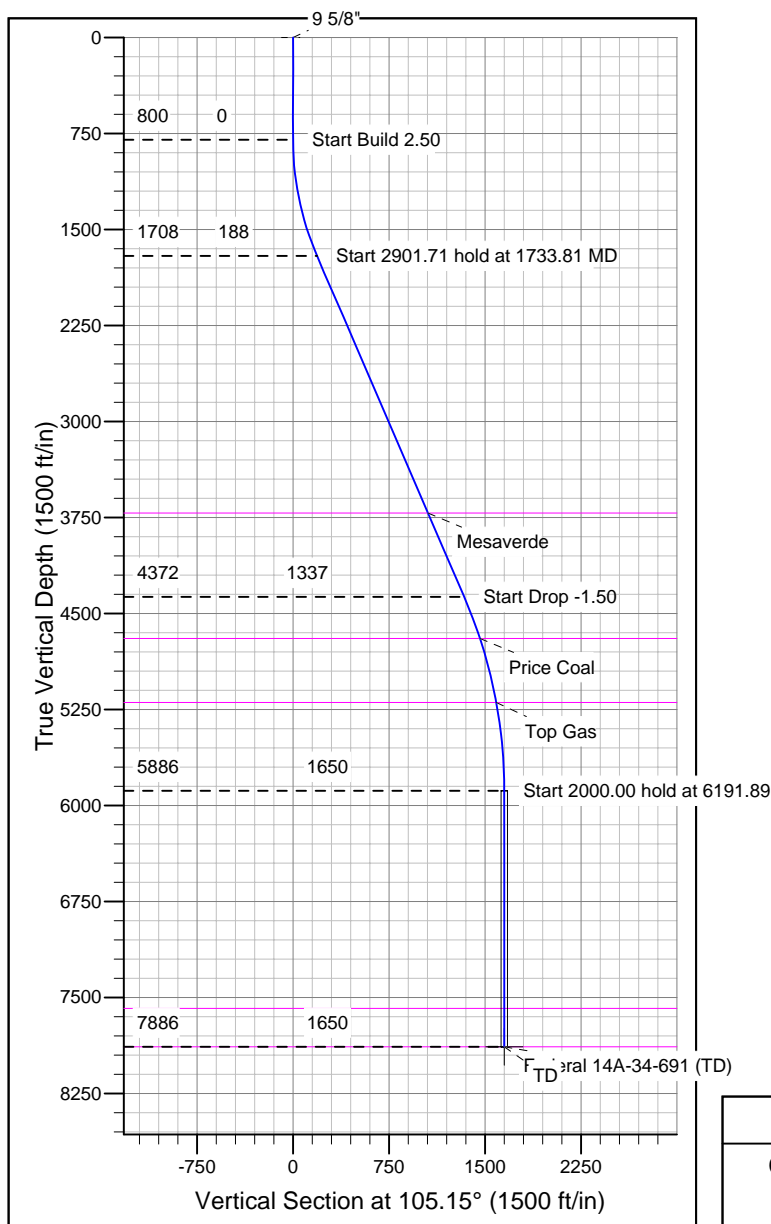
Magnetic Field
 Strength: 52327.3snT
 Dip Angle: 65.80°
 Date: 10/25/2010
 Model: BGGM2007

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	0.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	33.81	23.35	105.15	1708.19	-49.03	181.11	2.50	105.15	187.63	
4	35.53	23.35	105.15	372.35	-349.49	291.02	0.00	0.00	337.49	
5	91.89	0.00	0.00	5886.00	-431.20	1592.87	1.50	180.00	650.20	
6	91.89	0.00	0.00	7886.00	-431.20	1592.87	0.00	0.00	650.20	Federal 14A-34-691 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Federal 14A-34-691 (TD)	7886.00	-431.20	1592.87	Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVD	MD	Path	Formation
3716.00	920.65		Mesaverde
4696.00	981.74		Price Coal
5196.00	6498.08		Top Gas
7586.00	891.89		Rollins
7886.00	191.89		TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 14A-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