

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Federal 43A-29-691

Wellbore #1

Plan: Design #1

Standard Planning Report

15 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Federal 43A-29-691	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 #15		
Site Position:		Northing:	1,612,461.747 ft
From:	Lat/Long	Easting:	2,414,303.528 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 29' 47.810 N
		Longitude:	107° 34' 32.3800 W
		Grid Convergence:	-1.31 °

Well	GGU Federal 43A-29-691		
Well Position	+N/-S	9.10 ft	Northing:
	+E/-W	2.35 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 47.900 N
			Longitude:
			107° 34' 32.3500 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	4/15/2010	10.37	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	107.30

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	
765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,098.36	33.33	107.30	2,024.40	-112.14	359.98	2.50	2.50	0.00	107.30	
2,911.77	33.33	107.30	2,704.00	-245.08	786.74	0.00	0.00	0.00	0.00	
5,134.03	0.00	0.00	4,803.00	-431.98	1,386.72	1.50	-1.50	0.00	180.00	
7,634.03	0.00	0.00	7,303.00	-431.98	1,386.72	0.00	0.00	0.00	0.00	GGU Federal 43A-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Federal 43A-29-691	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
765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.87	107.30	800.00	-0.08	0.26	0.27	2.50	2.50	0.00
900.00	3.37	107.30	899.92	-1.18	3.80	3.97	2.50	2.50	0.00
1,000.00	5.87	107.30	999.59	-3.58	11.49	12.04	2.50	2.50	0.00
1,100.00	8.37	107.30	1,098.81	-7.27	23.33	24.44	2.50	2.50	0.00
1,200.00	10.87	107.30	1,197.39	-12.24	39.30	41.16	2.50	2.50	0.00
1,300.00	13.37	107.30	1,295.15	-18.49	59.35	62.16	2.50	2.50	0.00
1,400.00	15.87	107.30	1,391.91	-26.00	83.45	87.41	2.50	2.50	0.00
1,500.00	18.37	107.30	1,487.47	-34.75	111.56	116.85	2.50	2.50	0.00
1,600.00	20.87	107.30	1,581.65	-44.74	143.63	150.44	2.50	2.50	0.00
1,700.00	23.37	107.30	1,674.28	-55.94	179.58	188.10	2.50	2.50	0.00
1,800.00	25.87	107.30	1,765.18	-68.33	219.36	229.76	2.50	2.50	0.00
1,900.00	28.37	107.30	1,854.17	-81.89	262.89	275.35	2.50	2.50	0.00
2,000.00	30.87	107.30	1,941.09	-96.59	310.08	324.78	2.50	2.50	0.00
2,098.36	33.33	107.30	2,024.40	-112.14	359.98	377.05	2.50	2.50	0.00
2,100.00	33.33	107.30	2,025.77	-112.41	360.85	377.95	0.00	0.00	0.00
2,200.00	33.33	107.30	2,109.32	-128.75	413.31	432.90	0.00	0.00	0.00
2,300.00	33.33	107.30	2,192.87	-145.10	465.78	487.85	0.00	0.00	0.00
2,400.00	33.33	107.30	2,276.42	-161.44	518.24	542.80	0.00	0.00	0.00
2,500.00	33.33	107.30	2,359.97	-177.78	570.71	597.76	0.00	0.00	0.00
2,600.00	33.33	107.30	2,443.52	-194.13	623.17	652.71	0.00	0.00	0.00
2,700.00	33.33	107.30	2,527.06	-210.47	675.64	707.66	0.00	0.00	0.00
2,800.00	33.33	107.30	2,610.61	-226.81	728.10	762.61	0.00	0.00	0.00
2,900.00	33.33	107.30	2,694.16	-243.16	780.57	817.56	0.00	0.00	0.00
2,911.77	33.33	107.30	2,704.00	-245.08	786.74	824.03	0.00	0.00	0.00
3,000.00	32.01	107.30	2,778.26	-259.25	832.21	871.66	1.50	-1.50	0.00
3,100.00	30.51	107.30	2,863.74	-274.68	881.76	923.55	1.50	-1.50	0.00
3,200.00	29.01	107.30	2,950.55	-289.44	929.15	973.19	1.50	-1.50	0.00
3,300.00	27.51	107.30	3,038.63	-303.53	974.35	1,020.53	1.50	-1.50	0.00
3,400.00	26.01	107.30	3,127.92	-316.92	1,017.34	1,065.56	1.50	-1.50	0.00
3,500.00	24.51	107.30	3,218.35	-329.61	1,058.08	1,108.23	1.50	-1.50	0.00
3,600.00	23.01	107.30	3,309.87	-341.59	1,096.55	1,148.52	1.50	-1.50	0.00
3,700.00	21.51	107.30	3,402.42	-352.86	1,132.71	1,186.40	1.50	-1.50	0.00
3,732.82	21.02	107.30	3,433.00	-356.40	1,144.08	1,198.30	1.50	-1.50	0.00
Mesaverde									
3,800.00	20.01	107.30	3,495.92	-363.40	1,166.55	1,221.85	1.50	-1.50	0.00
3,900.00	18.51	107.30	3,590.32	-373.21	1,198.05	1,254.83	1.50	-1.50	0.00
4,000.00	17.01	107.30	3,685.55	-382.28	1,227.17	1,285.33	1.50	-1.50	0.00
4,100.00	15.51	107.30	3,781.55	-390.61	1,253.90	1,313.33	1.50	-1.50	0.00
4,200.00	14.01	107.30	3,878.25	-398.19	1,278.23	1,338.81	1.50	-1.50	0.00
4,300.00	12.51	107.30	3,975.58	-405.01	1,300.13	1,361.75	1.50	-1.50	0.00
4,400.00	11.01	107.30	4,073.48	-411.07	1,319.58	1,382.13	1.50	-1.50	0.00
4,500.00	9.51	107.30	4,171.87	-416.37	1,336.59	1,399.94	1.50	-1.50	0.00
4,546.72	8.81	107.30	4,218.00	-418.58	1,343.69	1,407.38	1.50	-1.50	0.00

BBC

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Well:	GGU Federal 43A-29-691	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)
Price Coal									
4,600.00	8.01	107.30	4,270.70	-420.90	1,351.13	1,415.17	1.50	-1.50	0.00
4,700.00	6.51	107.30	4,369.90	-424.66	1,363.20	1,427.81	1.50	-1.50	0.00
4,800.00	5.01	107.30	4,469.39	-427.64	1,372.78	1,437.85	1.50	-1.50	0.00
4,900.00	3.51	107.30	4,569.11	-429.85	1,379.87	1,445.28	1.50	-1.50	0.00
5,000.00	2.01	107.30	4,668.99	-431.28	1,384.47	1,450.09	1.50	-1.50	0.00
5,100.00	0.51	107.30	4,768.97	-431.94	1,386.57	1,452.29	1.50	-1.50	0.00
5,134.03	0.00	0.00	4,803.00	-431.98	1,386.72	1,452.44	1.50	-1.50	0.00
5,200.00	0.00	0.00	4,868.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,264.03	0.00	0.00	4,933.00	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
Top Gas									
5,300.00	0.00	0.00	4,968.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,400.00	0.00	0.00	5,068.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,500.00	0.00	0.00	5,168.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,600.00	0.00	0.00	5,268.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,700.00	0.00	0.00	5,368.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,800.00	0.00	0.00	5,468.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
5,900.00	0.00	0.00	5,568.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,000.00	0.00	0.00	5,668.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,100.00	0.00	0.00	5,768.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,200.00	0.00	0.00	5,868.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,300.00	0.00	0.00	5,968.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,400.00	0.00	0.00	6,068.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,500.00	0.00	0.00	6,168.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,600.00	0.00	0.00	6,268.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,700.00	0.00	0.00	6,368.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,800.00	0.00	0.00	6,468.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
6,900.00	0.00	0.00	6,568.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,000.00	0.00	0.00	6,668.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,100.00	0.00	0.00	6,768.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,200.00	0.00	0.00	6,868.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,300.00	0.00	0.00	6,968.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,334.03	0.00	0.00	7,003.00	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
Rollins									
7,400.00	0.00	0.00	7,068.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,500.00	0.00	0.00	7,168.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,600.00	0.00	0.00	7,268.97	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
7,634.03	0.00	0.00	7,303.00	-431.98	1,386.72	1,452.44	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
765.00	765.00	9 5/8"	9-5/8	12-1/4

BBC

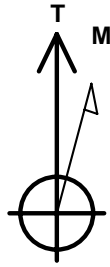
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 43A-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Federal 43A-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,732.82	3,433.00	Mesaverde		0.00		
4,546.72	4,218.00	Price Coal		0.00		
5,264.03	4,933.00	Top Gas		0.00		
7,334.03	7,003.00	Rollins		0.00		
7,634.03	7,303.00	TD		0.00		

WELL DETAILS: GGU Federal 43A-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612470.788 2414306.097 29° 47' 00" N 104° 32.3500 W



Azimuths to True North
 Magnetic North: 10.37°

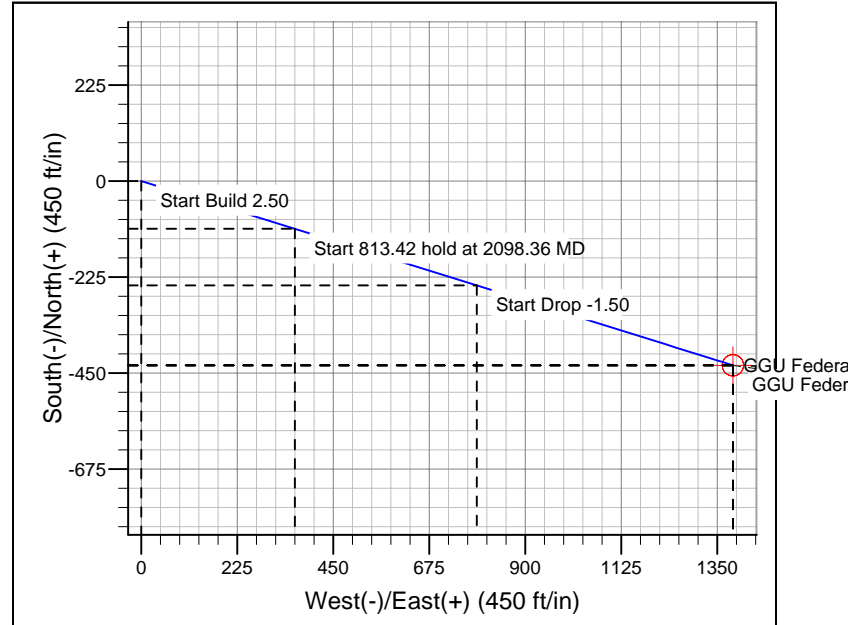
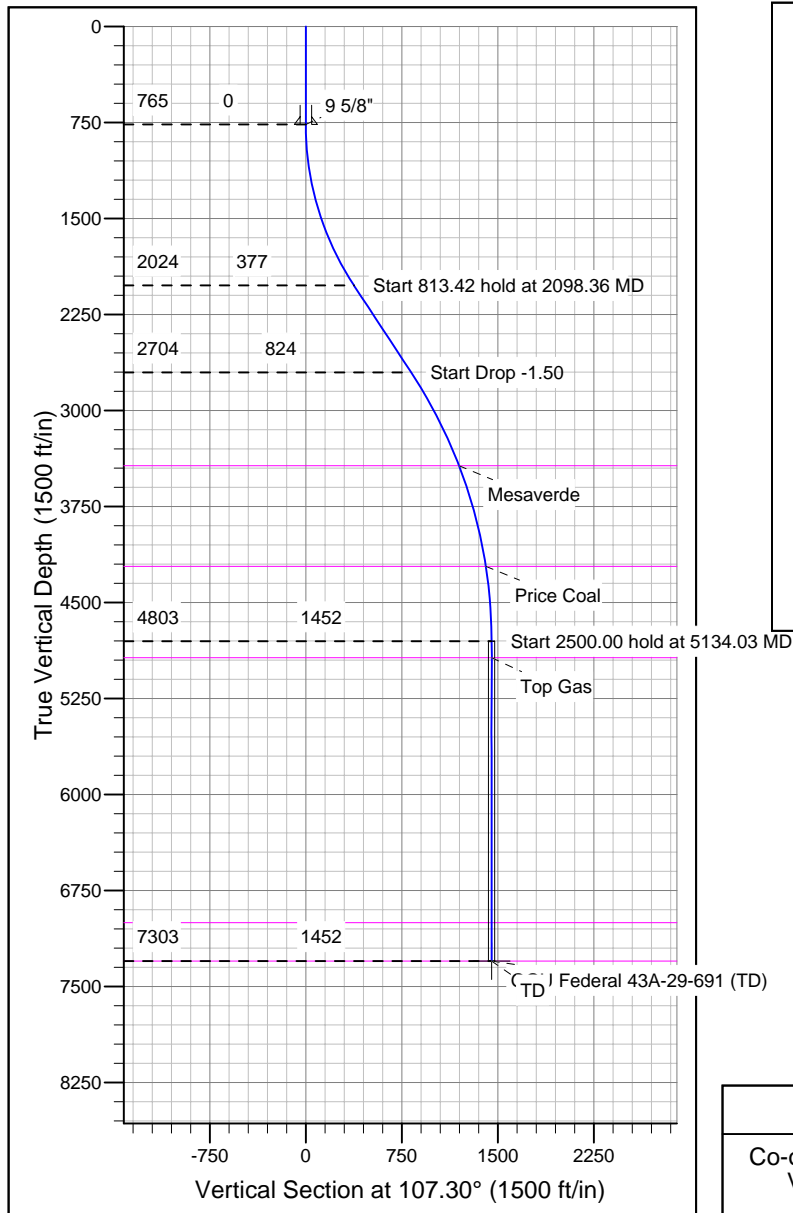
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	
3	2098.36	33.33	107.30	2024.40	-112.14	359.98	2.50	107.30	377.05	
4	2911.77	33.33	107.30	2704.00	-245.08	786.74	0.00	0.00	824.03	
5	5134.03	0.00	0.00	4803.00	-431.98	1386.72	1.50	180.00	452.44	
6	7634.03	0.00	0.00	7303.00	-431.98	1386.72	0.00	0.00	452.44	GGU Federal 43A-29-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Federal 43A-29-691 (TD) 1386.72 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 765.00 765.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD Path MD Path Formation
 3433.00 3732.82 Mesaverde
 4218.00 4546.72 Price Coal
 4933.00 5264.03 Top Gas
 7003.00 7334.03 Rollins
 7303.00 7634.03 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Federal 43A-29-691, True North
 Vertical (TVD) Reference: WELL @ 6031.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6031.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature