

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Federal 34D-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 34D-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 34D-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 34D-29-691		
Well Position	+N/-S	7.07 ft	Northing:
	+E/-W	-30.57 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

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	172.99

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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,297.26	13.93	172.99	1,291.79	-66.91	8.22	2.50	2.50	0.00	172.99	
3,967.37	13.93	172.99	3,883.35	-704.97	86.64	0.00	0.00	0.00	0.00	
4,896.14	0.00	0.00	4,803.00	-816.50	100.34	1.50	-1.50	0.00	180.00	
7,396.14	0.00	0.00	7,303.00	-816.50	100.34	0.00	0.00	0.00	0.00	GGU Federal 34D-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 34D-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 34D-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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
9 5/8"										
800.00	1.50	172.99	799.99	-0.78	0.10	0.79	2.50	2.50	0.00	
900.00	4.00	172.99	899.87	-5.54	0.68	5.58	2.50	2.50	0.00	
1,000.00	6.50	172.99	999.44	-14.62	1.80	14.73	2.50	2.50	0.00	
1,100.00	9.00	172.99	1,098.52	-28.01	3.44	28.22	2.50	2.50	0.00	
1,200.00	11.50	172.99	1,196.92	-45.67	5.61	46.01	2.50	2.50	0.00	
1,297.26	13.93	172.99	1,291.79	-66.91	8.22	67.42	2.50	2.50	0.00	
1,300.00	13.93	172.99	1,294.44	-67.57	8.30	68.08	0.00	0.00	0.00	
1,400.00	13.93	172.99	1,391.50	-91.46	11.24	92.15	0.00	0.00	0.00	
1,500.00	13.93	172.99	1,488.56	-115.36	14.18	116.23	0.00	0.00	0.00	
1,600.00	13.93	172.99	1,585.62	-139.26	17.11	140.30	0.00	0.00	0.00	
1,700.00	13.93	172.99	1,682.68	-163.15	20.05	164.38	0.00	0.00	0.00	
1,800.00	13.93	172.99	1,779.74	-187.05	22.99	188.46	0.00	0.00	0.00	
1,900.00	13.93	172.99	1,876.80	-210.95	25.92	212.53	0.00	0.00	0.00	
2,000.00	13.93	172.99	1,973.85	-234.84	28.86	236.61	0.00	0.00	0.00	
2,100.00	13.93	172.99	2,070.91	-258.74	31.80	260.69	0.00	0.00	0.00	
2,200.00	13.93	172.99	2,167.97	-282.64	34.73	284.76	0.00	0.00	0.00	
2,300.00	13.93	172.99	2,265.03	-306.53	37.67	308.84	0.00	0.00	0.00	
2,400.00	13.93	172.99	2,362.09	-330.43	40.61	332.91	0.00	0.00	0.00	
2,500.00	13.93	172.99	2,459.15	-354.32	43.54	356.99	0.00	0.00	0.00	
2,600.00	13.93	172.99	2,556.20	-378.22	46.48	381.07	0.00	0.00	0.00	
2,700.00	13.93	172.99	2,653.26	-402.12	49.42	405.14	0.00	0.00	0.00	
2,800.00	13.93	172.99	2,750.32	-426.01	52.35	429.22	0.00	0.00	0.00	
2,900.00	13.93	172.99	2,847.38	-449.91	55.29	453.30	0.00	0.00	0.00	
3,000.00	13.93	172.99	2,944.44	-473.81	58.23	477.37	0.00	0.00	0.00	
3,100.00	13.93	172.99	3,041.50	-497.70	61.16	501.45	0.00	0.00	0.00	
3,200.00	13.93	172.99	3,138.55	-521.60	64.10	525.52	0.00	0.00	0.00	
3,300.00	13.93	172.99	3,235.61	-545.50	67.04	549.60	0.00	0.00	0.00	
3,400.00	13.93	172.99	3,332.67	-569.39	69.97	573.68	0.00	0.00	0.00	
3,500.00	13.93	172.99	3,429.73	-593.29	72.91	597.75	0.00	0.00	0.00	
3,523.98	13.93	172.99	3,453.00	-599.02	73.61	603.52	0.00	0.00	0.00	
Mesaverde										
3,600.00	13.93	172.99	3,526.79	-617.19	75.85	621.83	0.00	0.00	0.00	
3,700.00	13.93	172.99	3,623.85	-641.08	78.78	645.91	0.00	0.00	0.00	
3,800.00	13.93	172.99	3,720.90	-664.98	81.72	669.98	0.00	0.00	0.00	
3,900.00	13.93	172.99	3,817.96	-688.88	84.66	694.06	0.00	0.00	0.00	
3,967.37	13.93	172.99	3,883.35	-704.97	86.64	710.28	0.00	0.00	0.00	
4,000.00	13.44	172.99	3,915.05	-712.64	87.58	718.00	1.50	-1.50	0.00	
4,100.00	11.94	172.99	4,012.61	-734.44	90.26	739.97	1.50	-1.50	0.00	
4,200.00	10.44	172.99	4,110.70	-753.71	92.62	759.38	1.50	-1.50	0.00	
4,273.39	9.34	172.99	4,183.00	-766.22	94.16	771.99	1.50	-1.50	0.00	
Price Coal										
4,300.00	8.94	172.99	4,209.27	-770.42	94.68	776.21	1.50	-1.50	0.00	
4,400.00	7.44	172.99	4,308.25	-784.56	96.42	790.46	1.50	-1.50	0.00	

BBC

Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Federal 34D-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)
4,500.00	5.94	172.99	4,407.57	-796.13	97.84	802.12	1.50	-1.50	0.00
4,600.00	4.44	172.99	4,507.15	-805.11	98.94	811.16	1.50	-1.50	0.00
4,700.00	2.94	172.99	4,606.94	-811.50	99.73	817.60	1.50	-1.50	0.00
4,800.00	1.44	172.99	4,706.87	-815.30	100.19	821.43	1.50	-1.50	0.00
4,896.14	0.00	0.00	4,803.00	-816.50	100.34	822.64	1.50	-1.50	0.00
4,900.00	0.00	0.00	4,806.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,000.00	0.00	0.00	4,906.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,026.14	0.00	0.00	4,933.00	-816.50	100.34	822.64	0.00	0.00	0.00
Top Gas									
5,100.00	0.00	0.00	5,006.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,200.00	0.00	0.00	5,106.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,300.00	0.00	0.00	5,206.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,400.00	0.00	0.00	5,306.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,500.00	0.00	0.00	5,406.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,600.00	0.00	0.00	5,506.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,700.00	0.00	0.00	5,606.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,800.00	0.00	0.00	5,706.86	-816.50	100.34	822.64	0.00	0.00	0.00
5,900.00	0.00	0.00	5,806.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,000.00	0.00	0.00	5,906.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,100.00	0.00	0.00	6,006.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,200.00	0.00	0.00	6,106.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,300.00	0.00	0.00	6,206.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,400.00	0.00	0.00	6,306.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,500.00	0.00	0.00	6,406.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,600.00	0.00	0.00	6,506.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,700.00	0.00	0.00	6,606.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,800.00	0.00	0.00	6,706.86	-816.50	100.34	822.64	0.00	0.00	0.00
6,900.00	0.00	0.00	6,806.86	-816.50	100.34	822.64	0.00	0.00	0.00
7,000.00	0.00	0.00	6,906.86	-816.50	100.34	822.64	0.00	0.00	0.00
7,096.14	0.00	0.00	7,003.00	-816.50	100.34	822.64	0.00	0.00	0.00
Rollins									
7,100.00	0.00	0.00	7,006.86	-816.50	100.34	822.64	0.00	0.00	0.00
7,200.00	0.00	0.00	7,106.86	-816.50	100.34	822.64	0.00	0.00	0.00
7,300.00	0.00	0.00	7,206.86	-816.50	100.34	822.64	0.00	0.00	0.00
7,396.14	0.00	0.00	7,303.00	-816.50	100.34	822.64	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
740.00	740.00	9 5/8"	9-5/8	12-1/4

BBC

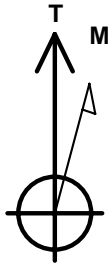
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 34D-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 34D-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 (°)	
3,523.98	3,453.00	Mesaverde		0.00		
4,273.39	4,183.00	Price Coal		0.00		
5,026.14	4,933.00	Top Gas		0.00		
7,096.14	7,003.00	Rollins		0.00		
7,396.14	7,303.00	TD		0.00		

WELL DETAILS: GGU Federal 34D-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612469.517 2414273.125 29° 47.887' N 104° 32.7700 W



Azimuths to True North
 Magnetic North: 10.37°

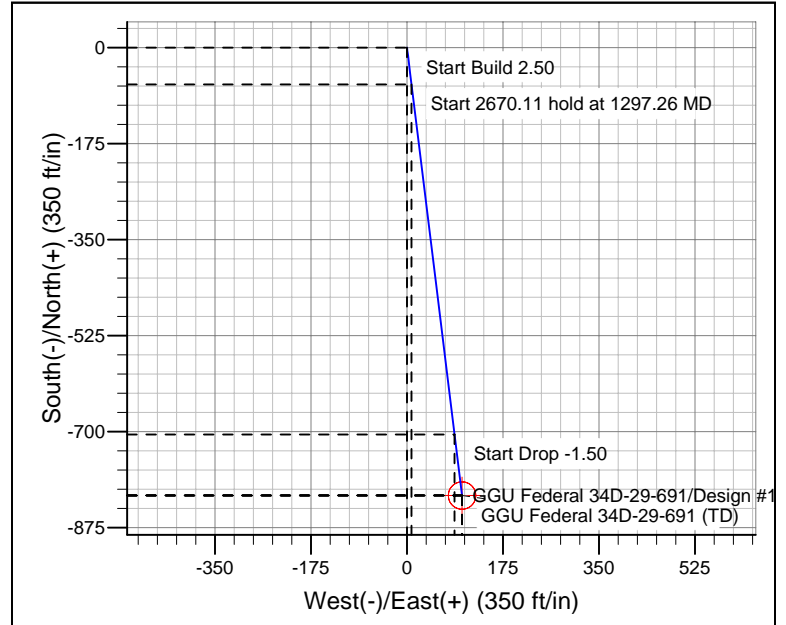
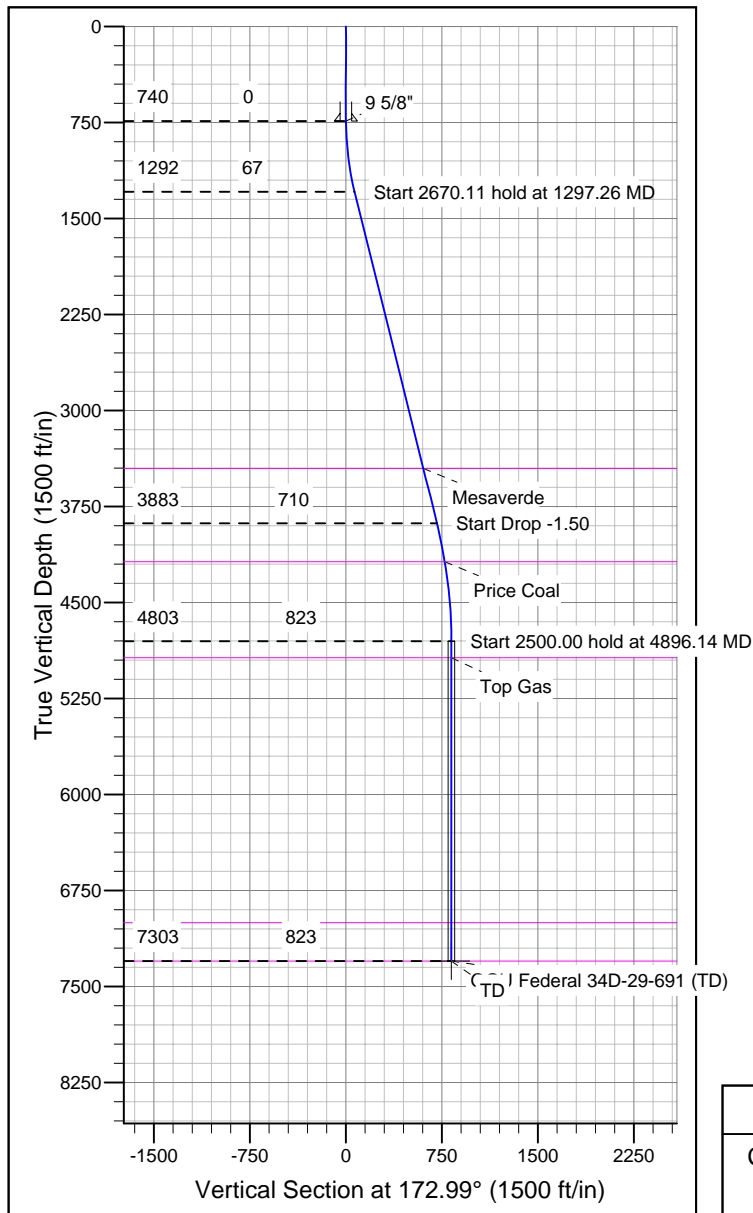
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	
	740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	
	1297.26	13.93	172.99	1291.79	-66.91	8.22	2.50	172.99	67.42	
	3067.37	13.93	172.99	3883.35	-704.97	86.64	0.00	0.00	710.28	
	4896.14	0.00	0.00	4803.00	-816.50	100.34	1.50	180.00	822.64	
	7396.14	0.00	0.00	7303.00	-816.50	100.34	0.00	0.00	822.64	GGU Federal 34D-29-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Federal 34D-29-691 (TD) 7303.00 -816.50 100.34 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 740.00 740.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD Pat MD Path Formation
 3453.00 523.98 Mesaverde
 4183.00 4273.39 Price Coal
 4933.00 5026.14 Top Gas
 7003.00 7096.14 Rollins
 7303.00 7396.14 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Federal 34D-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