

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Federal 44D-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 44D-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 44D-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 44D-29-691		
Well Position	+N/-S	-0.01 ft	Northing: 1,612,461.738 ft
	+E/-W	0.00 ft	Easting: 2,414,303.528 ft
Position Uncertainty		0.00 ft	Wellhead Elevation: ft
			Latitude: 39° 29' 47.810 N
			Longitude: 107° 34' 32.3800 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	119.06

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	
770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,072.81	32.57	119.06	2,003.77	-175.08	315.05	2.50	2.50	0.00	119.06	
3,251.06	32.57	119.06	2,996.72	-483.18	869.49	0.00	0.00	0.00	0.00	
5,422.41	0.00	0.00	5,053.00	-774.98	1,394.57	1.50	-1.50	0.00	180.00	
7,672.41	0.00	0.00	7,303.00	-774.98	1,394.57	0.00	0.00	0.00	0.00	GGU Federal 44D-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 44D-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 44D-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
770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.75	119.06	800.00	-0.10	0.17	0.20	2.50	2.50	0.00
900.00	3.25	119.06	899.93	-1.79	3.22	3.69	2.50	2.50	0.00
1,000.00	5.75	119.06	999.61	-5.60	10.08	11.53	2.50	2.50	0.00
1,100.00	8.25	119.06	1,098.86	-11.52	20.73	23.72	2.50	2.50	0.00
1,200.00	10.75	119.06	1,197.48	-19.54	35.16	40.22	2.50	2.50	0.00
1,300.00	13.25	119.06	1,295.29	-29.64	53.33	61.01	2.50	2.50	0.00
1,400.00	15.75	119.06	1,392.10	-41.80	75.21	86.05	2.50	2.50	0.00
1,500.00	18.25	119.06	1,487.72	-56.00	100.77	115.28	2.50	2.50	0.00
1,600.00	20.75	119.06	1,581.98	-72.21	129.94	148.66	2.50	2.50	0.00
1,700.00	23.25	119.06	1,674.69	-90.41	162.68	186.12	2.50	2.50	0.00
1,800.00	25.75	119.06	1,765.68	-110.55	198.93	227.58	2.50	2.50	0.00
1,900.00	28.25	119.06	1,854.77	-132.60	238.61	272.98	2.50	2.50	0.00
2,000.00	30.75	119.06	1,941.80	-156.51	281.65	322.22	2.50	2.50	0.00
2,072.81	32.57	119.06	2,003.77	-175.08	315.05	360.43	2.50	2.50	0.00
2,100.00	32.57	119.06	2,026.68	-182.19	327.85	375.07	0.00	0.00	0.00
2,200.00	32.57	119.06	2,110.96	-208.34	374.90	428.90	0.00	0.00	0.00
2,300.00	32.57	119.06	2,195.23	-234.49	421.96	482.73	0.00	0.00	0.00
2,400.00	32.57	119.06	2,279.50	-260.64	469.01	536.57	0.00	0.00	0.00
2,500.00	32.57	119.06	2,363.78	-286.78	516.07	590.40	0.00	0.00	0.00
2,600.00	32.57	119.06	2,448.05	-312.93	563.13	644.23	0.00	0.00	0.00
2,700.00	32.57	119.06	2,532.32	-339.08	610.18	698.07	0.00	0.00	0.00
2,800.00	32.57	119.06	2,616.60	-365.23	657.24	751.90	0.00	0.00	0.00
2,900.00	32.57	119.06	2,700.87	-391.38	704.29	805.73	0.00	0.00	0.00
3,000.00	32.57	119.06	2,785.14	-417.53	751.35	859.57	0.00	0.00	0.00
3,100.00	32.57	119.06	2,869.42	-443.68	798.40	913.40	0.00	0.00	0.00
3,200.00	32.57	119.06	2,953.69	-469.83	845.46	967.23	0.00	0.00	0.00
3,251.06	32.57	119.06	2,996.72	-483.18	869.49	994.72	0.00	0.00	0.00
3,300.00	31.84	119.06	3,038.13	-495.85	892.28	1,020.80	1.50	-1.50	0.00
3,400.00	30.34	119.06	3,123.77	-520.93	937.41	1,072.43	1.50	-1.50	0.00
3,500.00	28.84	119.06	3,210.73	-544.91	980.57	1,121.80	1.50	-1.50	0.00
3,600.00	27.34	119.06	3,298.95	-567.78	1,021.72	1,168.88	1.50	-1.50	0.00
3,700.00	25.84	119.06	3,388.37	-589.52	1,060.84	1,213.64	1.50	-1.50	0.00
3,749.43	25.09	119.06	3,433.00	-599.84	1,079.42	1,234.89	1.50	-1.50	0.00
Mesaverde									
3,800.00	24.34	119.06	3,478.94	-610.11	1,097.90	1,256.03	1.50	-1.50	0.00
3,900.00	22.84	119.06	3,570.58	-629.55	1,132.87	1,296.04	1.50	-1.50	0.00
4,000.00	21.34	119.06	3,663.24	-647.81	1,165.74	1,333.64	1.50	-1.50	0.00
4,100.00	19.84	119.06	3,756.85	-664.89	1,196.47	1,368.80	1.50	-1.50	0.00
4,200.00	18.34	119.06	3,851.35	-680.77	1,225.05	1,401.50	1.50	-1.50	0.00
4,300.00	16.84	119.06	3,946.67	-695.45	1,251.46	1,431.71	1.50	-1.50	0.00
4,400.00	15.34	119.06	4,042.76	-708.91	1,275.68	1,459.42	1.50	-1.50	0.00
4,500.00	13.84	119.06	4,139.53	-721.14	1,297.69	1,484.60	1.50	-1.50	0.00
4,585.73	12.55	119.06	4,223.00	-730.64	1,314.80	1,504.17	1.50	-1.50	0.00

BBC

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Well:	GGU Federal 44D-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	12.34	119.06	4,236.93	-732.14	1,317.48	1,507.25	1.50	-1.50	0.00
4,700.00	10.84	119.06	4,334.89	-741.89	1,335.04	1,527.33	1.50	-1.50	0.00
4,800.00	9.34	119.06	4,433.34	-750.40	1,350.35	1,544.84	1.50	-1.50	0.00
4,900.00	7.84	119.06	4,532.22	-757.65	1,363.40	1,559.77	1.50	-1.50	0.00
5,000.00	6.34	119.06	4,631.45	-763.64	1,374.18	1,572.11	1.50	-1.50	0.00
5,100.00	4.84	119.06	4,730.97	-768.37	1,382.69	1,581.84	1.50	-1.50	0.00
5,200.00	3.34	119.06	4,830.72	-771.83	1,388.92	1,588.96	1.50	-1.50	0.00
5,300.00	1.84	119.06	4,930.61	-774.02	1,392.86	1,593.48	1.50	-1.50	0.00
5,312.39	1.65	119.06	4,943.00	-774.21	1,393.19	1,593.85	1.50	-1.50	0.00
Top Gas									
5,400.00	0.34	119.06	5,030.59	-774.94	1,394.52	1,595.37	1.50	-1.50	0.00
5,422.41	0.00	0.00	5,053.00	-774.98	1,394.57	1,595.44	1.50	-1.50	0.00
5,500.00	0.00	0.00	5,130.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
5,600.00	0.00	0.00	5,230.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
5,700.00	0.00	0.00	5,330.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
5,800.00	0.00	0.00	5,430.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
5,900.00	0.00	0.00	5,530.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,000.00	0.00	0.00	5,630.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,100.00	0.00	0.00	5,730.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,200.00	0.00	0.00	5,830.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,300.00	0.00	0.00	5,930.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,400.00	0.00	0.00	6,030.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,500.00	0.00	0.00	6,130.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,600.00	0.00	0.00	6,230.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,700.00	0.00	0.00	6,330.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,800.00	0.00	0.00	6,430.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
6,900.00	0.00	0.00	6,530.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,000.00	0.00	0.00	6,630.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,100.00	0.00	0.00	6,730.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,200.00	0.00	0.00	6,830.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,300.00	0.00	0.00	6,930.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,372.41	0.00	0.00	7,003.00	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
Rollins									
7,400.00	0.00	0.00	7,030.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,500.00	0.00	0.00	7,130.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,600.00	0.00	0.00	7,230.59	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
7,672.41	0.00	0.00	7,303.00	-774.98	1,394.57	1,595.44	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
770.00	770.00	9 5/8"	9-5/8	12-1/4

BBC

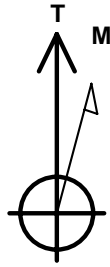
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 44D-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 44D-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 (°)	
3,749.43	3,433.00	Mesaverde		0.00		
4,585.73	4,223.00	Price Coal		0.00		
5,312.39	4,943.00	Top Gas		0.00		
7,372.41	7,003.00	Rollins		0.00		
7,672.41	7,303.00	TD		0.00		

WELL DETAILS: GGU Federal 44D-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612461.738 2414303.525 29° 47' 00" N 104° 32.3800 W



Azimuths to True North
 Magnetic North: 10.37°

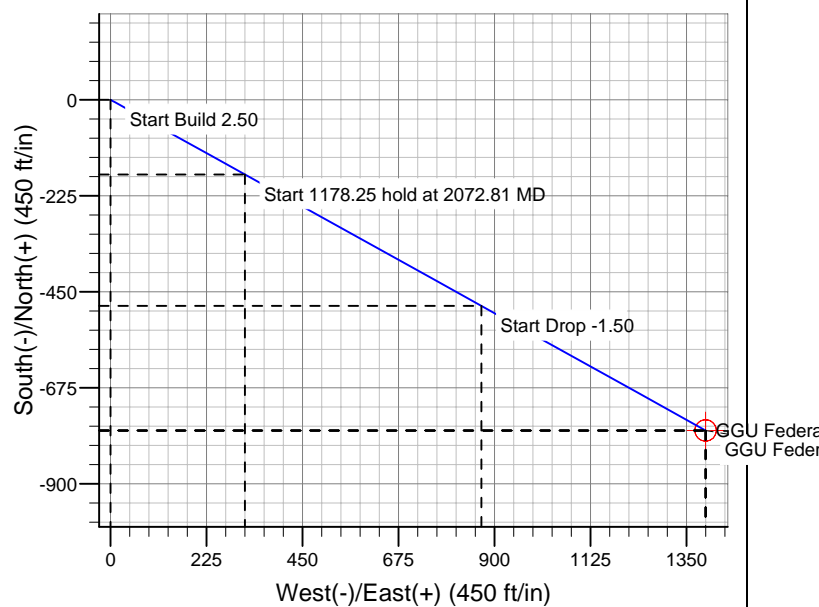
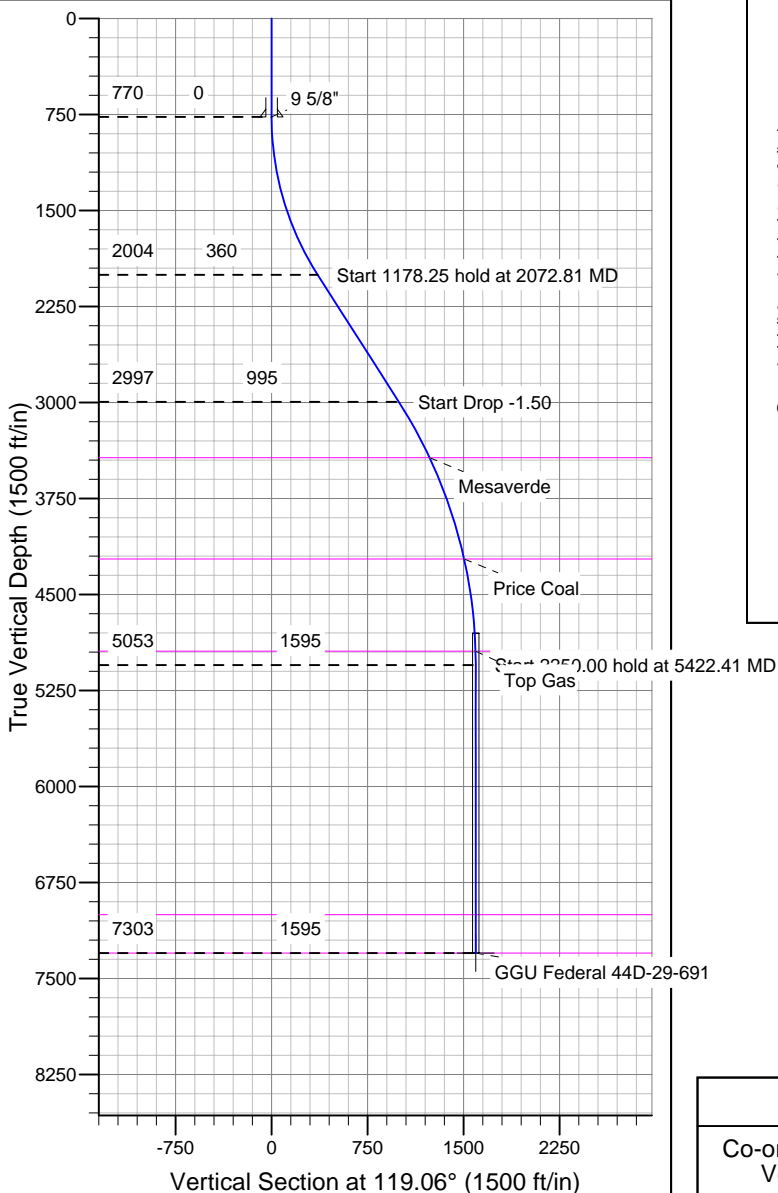
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	
3	2072.81	32.57	119.06	2003.77	-175.08	315.05	2.50	119.06	360.43	
4	3251.06	32.57	119.06	2996.72	-483.18	869.49	0.00	0.00	994.72	
5	5422.41	0.00	0.00	5053.00	-774.98	1394.57	1.50	180.00	595.44	
6	7672.41	0.00	0.00	7303.00	-774.98	1394.57	0.00	0.00	595.44	GGU Federal 44D-29-691

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
GGU Federal 44D-29-691	7303.00	-774.98	1394.57	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
770.00	770.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3433.00	3749.43	Mesaverde
4223.00	4585.73	Price Coal
4943.00	5312.39	Top Gas
7003.00	7372.41	Rollins
7303.00	7672.41	TD

REFERENCE INFORMATION

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