

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Federal 43B-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 43B-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 43B-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 43B-29-691					
Well Position	+N/-S	13.14 ft	Northing:	1,612,475.174 ft	Latitude:	39° 29' 47.940 N
	+E/-W	-12.54 ft	Easting:	2,414,291.289 ft	Longitude:	107° 34' 32.5400 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	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	93.48	

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	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,003.13	31.08	93.48	1,943.06	-19.98	328.35	2.50	2.50	0.00	93.48	
3,013.29	31.08	93.48	2,808.23	-51.65	848.84	0.00	0.00	0.00	0.00	
5,085.18	0.00	0.00	4,780.00	-84.94	1,396.10	1.50	-1.50	0.00	180.00	
7,585.18	0.00	0.00	7,280.00	-84.94	1,396.10	0.00	0.00	0.00	0.00	GGU Federal 43B-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 43B-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 43B-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	0.00
100.00	0.00	0.00	100.00	0.00	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	0.00
300.00	0.00	0.00	300.00	0.00	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	0.00
500.00	0.00	0.00	500.00	0.00	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	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"										
800.00	1.00	93.48	800.00	-0.02	0.35	0.35	2.50	2.50	0.00	
900.00	3.50	93.48	899.91	-0.26	4.27	4.27	2.50	2.50	0.00	
1,000.00	6.00	93.48	999.56	-0.76	12.53	12.55	2.50	2.50	0.00	
1,100.00	8.50	93.48	1,098.75	-1.53	25.13	25.17	2.50	2.50	0.00	
1,200.00	11.00	93.48	1,197.30	-2.56	42.03	42.11	2.50	2.50	0.00	
1,300.00	13.50	93.48	1,295.02	-3.85	63.21	63.32	2.50	2.50	0.00	
1,400.00	16.00	93.48	1,391.71	-5.39	88.62	88.78	2.50	2.50	0.00	
1,500.00	18.50	93.48	1,487.21	-7.19	118.21	118.43	2.50	2.50	0.00	
1,600.00	21.00	93.48	1,581.32	-9.24	151.94	152.22	2.50	2.50	0.00	
1,700.00	23.50	93.48	1,673.87	-11.54	189.73	190.08	2.50	2.50	0.00	
1,800.00	26.00	93.48	1,764.67	-14.09	231.52	231.95	2.50	2.50	0.00	
1,900.00	28.50	93.48	1,853.57	-16.87	277.22	277.73	2.50	2.50	0.00	
2,000.00	31.00	93.48	1,940.38	-19.88	326.74	327.35	2.50	2.50	0.00	
2,003.13	31.08	93.48	1,943.06	-19.98	328.35	328.96	2.50	2.50	0.00	
2,100.00	31.08	93.48	2,026.03	-23.01	378.27	378.97	0.00	0.00	0.00	
2,200.00	31.08	93.48	2,111.67	-26.15	429.79	430.59	0.00	0.00	0.00	
2,300.00	31.08	93.48	2,197.32	-29.28	481.32	482.21	0.00	0.00	0.00	
2,400.00	31.08	93.48	2,282.97	-32.42	532.84	533.83	0.00	0.00	0.00	
2,500.00	31.08	93.48	2,368.61	-35.55	584.37	585.45	0.00	0.00	0.00	
2,600.00	31.08	93.48	2,454.26	-38.69	635.89	637.07	0.00	0.00	0.00	
2,700.00	31.08	93.48	2,539.91	-41.82	687.42	688.69	0.00	0.00	0.00	
2,800.00	31.08	93.48	2,625.55	-44.96	738.95	740.31	0.00	0.00	0.00	
2,900.00	31.08	93.48	2,711.20	-48.09	790.47	791.93	0.00	0.00	0.00	
3,000.00	31.08	93.48	2,796.85	-51.23	842.00	843.55	0.00	0.00	0.00	
3,013.29	31.08	93.48	2,808.23	-51.65	848.84	850.41	0.00	0.00	0.00	
3,100.00	29.78	93.48	2,882.99	-54.31	892.68	894.33	1.50	-1.50	0.00	
3,200.00	28.28	93.48	2,970.43	-57.26	941.11	942.85	1.50	-1.50	0.00	
3,300.00	26.78	93.48	3,059.11	-60.07	987.24	989.07	1.50	-1.50	0.00	
3,400.00	25.28	93.48	3,148.96	-62.73	1,031.04	1,032.94	1.50	-1.50	0.00	
3,500.00	23.78	93.48	3,239.93	-65.25	1,072.47	1,074.46	1.50	-1.50	0.00	
3,600.00	22.28	93.48	3,331.96	-67.63	1,111.52	1,113.57	1.50	-1.50	0.00	
3,678.60	21.10	93.48	3,405.00	-69.39	1,140.51	1,142.62	1.50	-1.50	0.00	
Mesaverde										
3,700.00	20.78	93.48	3,424.99	-69.86	1,148.14	1,150.27	1.50	-1.50	0.00	
3,800.00	19.28	93.48	3,518.94	-71.94	1,182.33	1,184.51	1.50	-1.50	0.00	
3,900.00	17.78	93.48	3,613.75	-73.87	1,214.04	1,216.29	1.50	-1.50	0.00	
4,000.00	16.28	93.48	3,709.36	-75.64	1,243.27	1,245.57	1.50	-1.50	0.00	
4,100.00	14.78	93.48	3,805.71	-77.27	1,269.99	1,272.34	1.50	-1.50	0.00	
4,200.00	13.28	93.48	3,902.73	-78.74	1,294.19	1,296.58	1.50	-1.50	0.00	
4,300.00	11.78	93.48	4,000.34	-80.06	1,315.84	1,318.27	1.50	-1.50	0.00	
4,400.00	10.28	93.48	4,098.49	-81.22	1,334.93	1,337.40	1.50	-1.50	0.00	
4,492.80	8.89	93.48	4,190.00	-82.16	1,350.35	1,352.84	1.50	-1.50	0.00	
Price Coal										

BBC

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Well:	GGU Federal 43B-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	8.78	93.48	4,197.11	-82.23	1,351.45	1,353.95	1.50	-1.50	0.00	
4,600.00	7.28	93.48	4,296.13	-83.07	1,365.39	1,367.91	1.50	-1.50	0.00	
4,700.00	5.78	93.48	4,395.48	-83.76	1,376.73	1,379.28	1.50	-1.50	0.00	
4,800.00	4.28	93.48	4,495.09	-84.30	1,385.48	1,388.04	1.50	-1.50	0.00	
4,900.00	2.78	93.48	4,594.90	-84.67	1,391.62	1,394.20	1.50	-1.50	0.00	
5,000.00	1.28	93.48	4,694.83	-84.88	1,395.16	1,397.74	1.50	-1.50	0.00	
5,085.18	0.00	0.00	4,780.00	-84.94	1,396.10	1,398.68	1.50	-1.50	0.00	
5,100.00	0.00	0.00	4,794.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,200.00	0.00	0.00	4,894.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,205.18	0.00	0.00	4,900.00	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
Top Gas										
5,300.00	0.00	0.00	4,994.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,094.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,194.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,294.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,394.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,494.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,594.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,694.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,100.00	0.00	0.00	5,794.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,894.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,300.00	0.00	0.00	5,994.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,094.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,194.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,294.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,394.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,494.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,594.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,694.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,794.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,200.00	0.00	0.00	6,894.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,285.18	0.00	0.00	6,980.00	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
Rollins										
7,300.00	0.00	0.00	6,994.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,094.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,194.82	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
7,585.18	0.00	0.00	7,280.00	-84.94	1,396.10	1,398.68	0.00	0.00	0.00	
TD										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
760.00	760.00	9 5/8"	9-5/8	12-1/4		

BBC

Planning Report

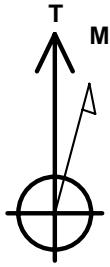
Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 43B-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Federal 43B-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 (°)
3,678.60	3,405.00	Mesaverde		0.00	
4,492.80	4,190.00	Price Coal		0.00	
5,205.18	4,900.00	Top Gas		0.00	
7,285.18	6,980.00	Rollins		0.00	
7,585.18	7,280.00	TD		0.00	

WELL DETAILS: GGU Federal 43B-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612475.174 2414291.299 29° 47' 00" N 104° 32.5400 W



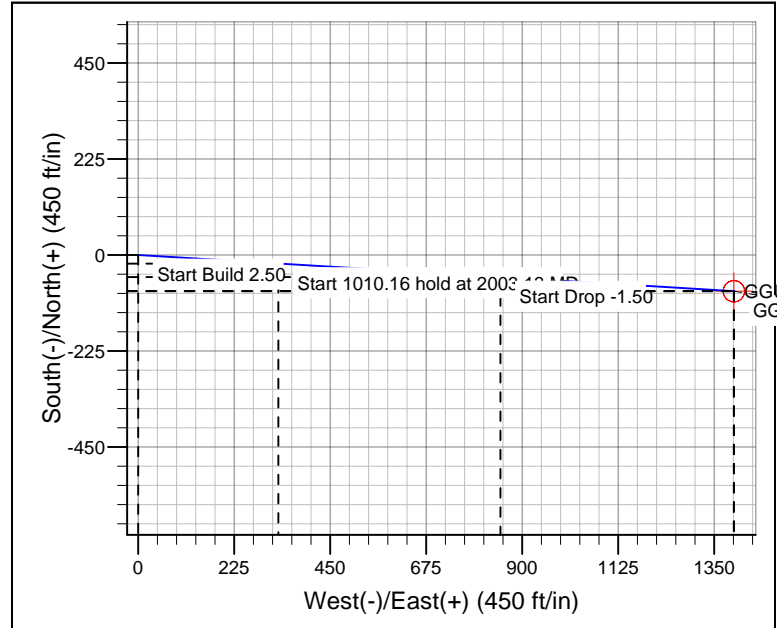
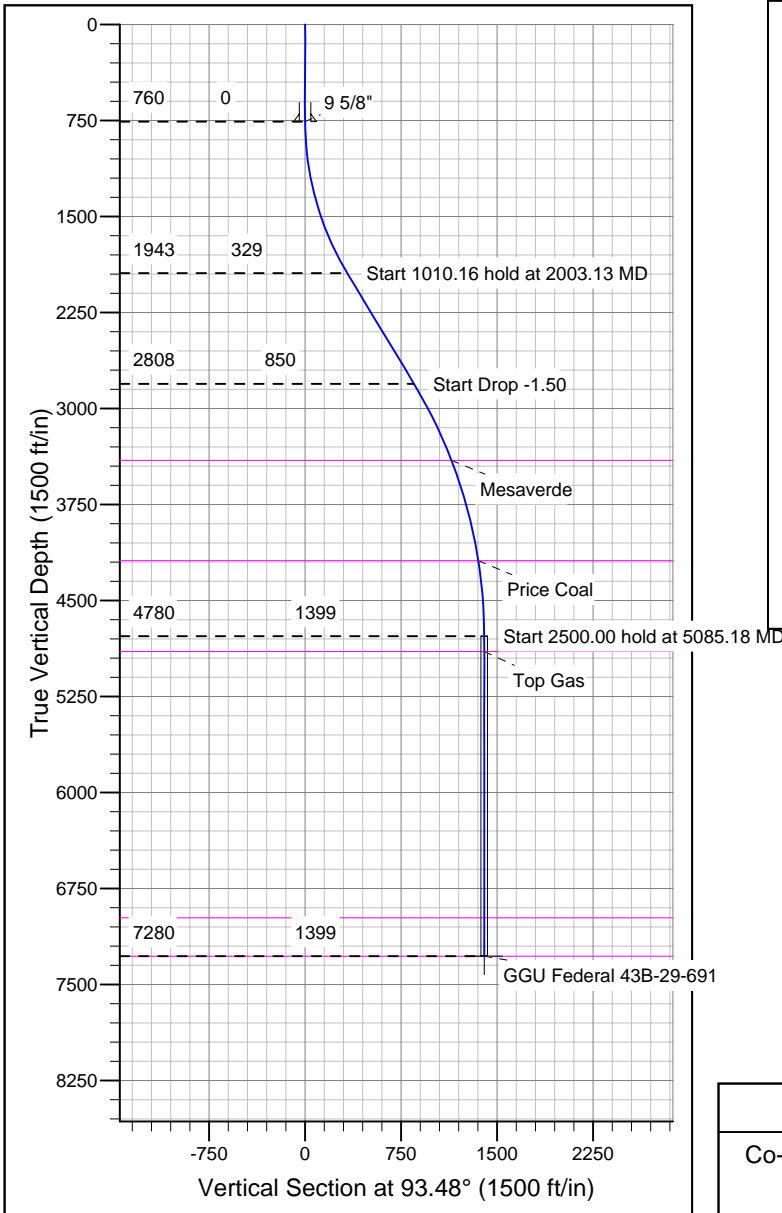
Azimuths to True North
 Magnetic North: 10.37°
 Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	
	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
	2003.13	31.08	93.48	1943.06	-19.98	328.35	2.50	93.48	328.96	
	3013.29	31.08	93.48	2808.23	-51.65	848.84	0.00	0.00	850.41	
	5085.18	0.00	0.00	4780.00	-84.94	1396.10	1.50	180.00	398.68	
	7585.18	0.00	0.00	7280.00	-84.94	1396.10	0.00	0.00	398.68	GGU Federal 43B-29-691

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Federal 43B-29-691 7280.00 694.94 1396.10 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 760.00 760.00 9 5/8" 9-5/8

FORMATION TOP DETAILS

TVD Pat MD Path Formation
 3405.00 3678.60 Mesaverde
 4190.00 4492.80 Price Coal
 4900.00 5205.18 Top Gas
 6980.00 7285.18 Rollins
 7280.00 7585.18 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Federal 43B-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