

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #3

GGU Barge FED 32B-32-691

Wellbore #1

Plan: Design #1

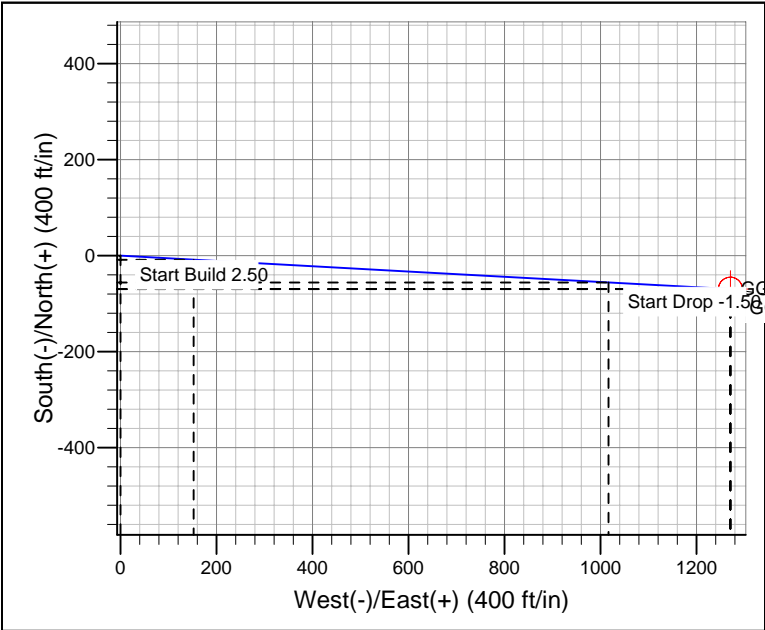
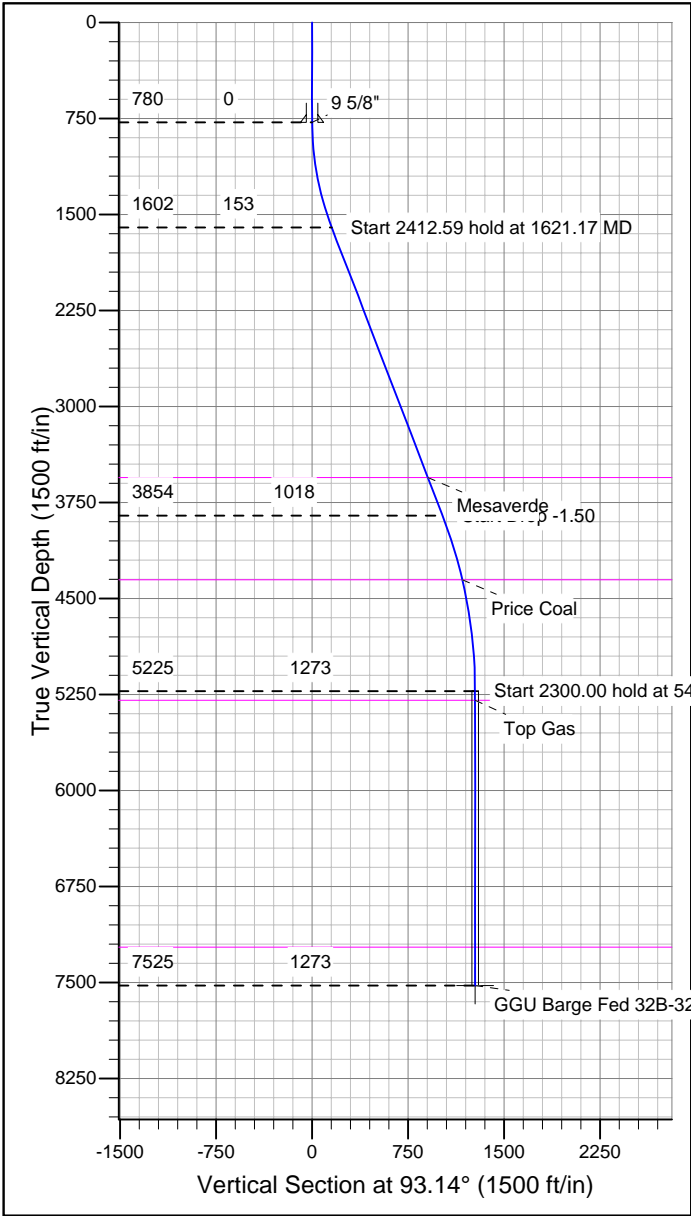
Standard Planning Report

23 December, 2009

WELL DETAILS: GGU Barge FED 32B-32-691							
				Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1608620.352	2413050.414	39° 29' 9.5700" N	107° 34' 47.2400" W		

<div><div><div>T</div><div>M</div><div></div></div><div><div></div><div></div><div></div></div></div> <div><div>Azimuths to True North</div><div>Magnetic North: 19.41°</div><div>Magnetic Field: 1</div><div>Strength: 52474.7nT</div><div>Dip Angle: 65.84°</div><div>Date: 12/23/2009</div><div>Model: BGGM2007</div></div>		SECTION DETAILS									
		MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	
		1621.17	21.03	93.14	1602.41	-8.37	152.41	2.50	93.14	152.64	
		3162.17	21.03	93.14	3854.32	-55.82	1016.85	0.00	0.00	1018.38	
		5435.71	0.00	0.00	5225.00	-69.76	1270.87	1.50	180.00	1272.79	
		7735.71	0.00	0.00	7525.00	-69.76	1270.87	0.00	0.00	1272.79	GGU Barge Fed 32B-32-691 TD

WELLBORE TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
GGU Barge Fed 32B-32-691 TD	7525.00	-69.76	1270.87	Circle (Radius: 25.00)	



CASING DETAILS			
TVD	MD	Name	Size
780.00	780.00	9 5/8"	9-5/8

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3555.00	3713.09	Mesaverde
4355.00	4558.00	Price Coal
5295.00	5505.71	Top Gas
7225.00	7435.71	Rollins

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well GGU Barge FED 32B-32-691, True North
Vertical (TVD) Reference:	WELL @ 0.00ft (Original Well Elev)
Section (VS) Reference:	Slot - (0.00N, 0.00E)
Measured Depth Reference:	WELL @ 0.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Barge FED 32B-32-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	MDP #3	North Reference:	True
Well:	GGU Barge FED 32B-32-691	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 #3		
Site Position:		Northing:	1,608,604.964 ft
From:	Lat/Long	Easting:	2,413,060.256 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 29' 9.420 N
		Longitude:	107° 34' 47.1100 W
		Grid Convergence:	-1.31 °

Well	GGU Barge FED 32B-32-691		
Well Position	+N/-S	15.16 ft	Northing:
	+E/-W	-10.19 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 9.570 N
			Longitude:
			107° 34' 47.2400 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	12/23/2009	10.41	65.84	52,475

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	93.14

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	
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,621.17	21.03	93.14	1,602.41	-8.37	152.41	2.50	2.50	0.00	93.14	
4,033.76	21.03	93.14	3,854.32	-55.82	1,016.85	0.00	0.00	0.00	0.00	
5,435.71	0.00	0.00	5,225.00	-69.76	1,270.87	1.50	-1.50	0.00	180.00	
7,735.71	0.00	0.00	7,525.00	-69.76	1,270.87	0.00	0.00	0.00	0.00	GGU Barge Fed 32

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Barge FED 32B-32-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	MDP #3	North Reference:	True
Well:	GGU Barge FED 32B-32-691	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
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.50	93.14	800.00	0.00	0.09	0.09	2.50	2.50	0.00
900.00	3.00	93.14	899.95	-0.17	3.14	3.14	2.50	2.50	0.00
1,000.00	5.50	93.14	999.66	-0.58	10.54	10.55	2.50	2.50	0.00
1,100.00	8.00	93.14	1,098.96	-1.22	22.27	22.30	2.50	2.50	0.00
1,200.00	10.50	93.14	1,197.65	-2.10	38.32	38.38	2.50	2.50	0.00
1,300.00	13.00	93.14	1,295.55	-3.22	58.65	58.74	2.50	2.50	0.00
1,400.00	15.50	93.14	1,392.47	-4.57	83.23	83.35	2.50	2.50	0.00
1,500.00	18.00	93.14	1,488.21	-6.15	112.00	112.17	2.50	2.50	0.00
1,600.00	20.50	93.14	1,582.62	-7.96	144.92	145.14	2.50	2.50	0.00
1,621.17	21.03	93.14	1,602.41	-8.37	152.41	152.64	2.50	2.50	0.00
1,700.00	21.03	93.14	1,675.99	-9.92	180.66	180.93	0.00	0.00	0.00
1,800.00	21.03	93.14	1,769.33	-11.88	216.49	216.81	0.00	0.00	0.00
1,900.00	21.03	93.14	1,862.67	-13.85	252.32	252.70	0.00	0.00	0.00
2,000.00	21.03	93.14	1,956.01	-15.82	288.15	288.58	0.00	0.00	0.00
2,100.00	21.03	93.14	2,049.35	-17.78	323.98	324.47	0.00	0.00	0.00
2,200.00	21.03	93.14	2,142.69	-19.75	359.81	360.35	0.00	0.00	0.00
2,300.00	21.03	93.14	2,236.03	-21.72	395.64	396.24	0.00	0.00	0.00
2,400.00	21.03	93.14	2,329.37	-23.69	431.47	432.12	0.00	0.00	0.00
2,500.00	21.03	93.14	2,422.71	-25.65	467.30	468.00	0.00	0.00	0.00
2,600.00	21.03	93.14	2,516.05	-27.62	503.13	503.89	0.00	0.00	0.00
2,700.00	21.03	93.14	2,609.39	-29.59	538.96	539.77	0.00	0.00	0.00
2,800.00	21.03	93.14	2,702.73	-31.55	574.79	575.66	0.00	0.00	0.00
2,900.00	21.03	93.14	2,796.07	-33.52	610.62	611.54	0.00	0.00	0.00
3,000.00	21.03	93.14	2,889.41	-35.49	646.45	647.43	0.00	0.00	0.00
3,100.00	21.03	93.14	2,982.75	-37.45	682.28	683.31	0.00	0.00	0.00
3,200.00	21.03	93.14	3,076.09	-39.42	718.11	719.19	0.00	0.00	0.00
3,300.00	21.03	93.14	3,169.43	-41.39	753.94	755.08	0.00	0.00	0.00
3,400.00	21.03	93.14	3,262.77	-43.35	789.77	790.96	0.00	0.00	0.00
3,500.00	21.03	93.14	3,356.11	-45.32	825.60	826.85	0.00	0.00	0.00
3,600.00	21.03	93.14	3,449.45	-47.29	861.44	862.73	0.00	0.00	0.00
3,700.00	21.03	93.14	3,542.79	-49.25	897.27	898.62	0.00	0.00	0.00
3,713.09	21.03	93.14	3,555.00	-49.51	901.95	903.31	0.00	0.00	0.00
Mesaverde									
3,800.00	21.03	93.14	3,636.13	-51.22	933.10	934.50	0.00	0.00	0.00
3,900.00	21.03	93.14	3,729.47	-53.19	968.93	970.39	0.00	0.00	0.00
4,000.00	21.03	93.14	3,822.81	-55.16	1,004.76	1,006.27	0.00	0.00	0.00
4,033.76	21.03	93.14	3,854.32	-55.82	1,016.85	1,018.38	0.00	0.00	0.00
4,100.00	20.04	93.14	3,916.35	-57.09	1,040.05	1,041.62	1.50	-1.50	0.00
4,200.00	18.54	93.14	4,010.73	-58.90	1,073.03	1,074.64	1.50	-1.50	0.00
4,300.00	17.04	93.14	4,105.95	-60.58	1,103.53	1,105.19	1.50	-1.50	0.00
4,400.00	15.54	93.14	4,201.94	-62.11	1,131.53	1,133.23	1.50	-1.50	0.00
4,500.00	14.04	93.14	4,298.62	-63.51	1,157.01	1,158.75	1.50	-1.50	0.00
4,558.00	13.17	93.14	4,355.00	-64.26	1,170.63	1,172.39	1.50	-1.50	0.00

BBC

Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	MDP #3	North Reference:	True
Well:	GGU Barge FED 32B-32-691	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	12.54	93.14	4,395.94	-64.77	1,179.95	1,181.73	1.50	-1.50	0.00
4,700.00	11.04	93.14	4,493.83	-65.89	1,200.35	1,202.15	1.50	-1.50	0.00
4,800.00	9.54	93.14	4,592.22	-66.87	1,218.17	1,220.01	1.50	-1.50	0.00
4,900.00	8.04	93.14	4,691.05	-67.71	1,233.42	1,235.28	1.50	-1.50	0.00
5,000.00	6.54	93.14	4,790.24	-68.40	1,246.09	1,247.96	1.50	-1.50	0.00
5,100.00	5.04	93.14	4,889.72	-68.96	1,256.15	1,258.04	1.50	-1.50	0.00
5,200.00	3.54	93.14	4,989.44	-69.36	1,263.61	1,265.52	1.50	-1.50	0.00
5,300.00	2.04	93.14	5,089.32	-69.63	1,268.47	1,270.38	1.50	-1.50	0.00
5,400.00	0.54	93.14	5,189.29	-69.75	1,270.71	1,272.62	1.50	-1.50	0.00
5,435.71	0.00	0.00	5,225.00	-69.76	1,270.87	1,272.79	1.50	-1.50	0.00
5,500.00	0.00	0.00	5,289.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
5,505.71	0.00	0.00	5,295.00	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
Top Gas									
5,600.00	0.00	0.00	5,389.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
5,700.00	0.00	0.00	5,489.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
5,800.00	0.00	0.00	5,589.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
5,900.00	0.00	0.00	5,689.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,000.00	0.00	0.00	5,789.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,100.00	0.00	0.00	5,889.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,200.00	0.00	0.00	5,989.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,300.00	0.00	0.00	6,089.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,400.00	0.00	0.00	6,189.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,500.00	0.00	0.00	6,289.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,600.00	0.00	0.00	6,389.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,700.00	0.00	0.00	6,489.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,800.00	0.00	0.00	6,589.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
6,900.00	0.00	0.00	6,689.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,000.00	0.00	0.00	6,789.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,100.00	0.00	0.00	6,889.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,200.00	0.00	0.00	6,989.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,300.00	0.00	0.00	7,089.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,400.00	0.00	0.00	7,189.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,435.71	0.00	0.00	7,225.00	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
Rollins									
7,500.00	0.00	0.00	7,289.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,600.00	0.00	0.00	7,389.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,700.00	0.00	0.00	7,489.29	-69.76	1,270.87	1,272.79	0.00	0.00	0.00
7,735.71	0.00	0.00	7,525.00	-69.76	1,270.87	1,272.79	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
780.00	780.00	9 5/8"	9-5/8	12-1/4

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Barge FED 32B-32-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	MDP #3	North Reference:	True
Well:	GGU Barge FED 32B-32-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,713.09	3,555.00	Mesaverde		0.00		
4,558.00	4,355.00	Price Coal		0.00		
5,505.71	5,295.00	Top Gas		0.00		
7,435.71	7,225.00	Rollins		0.00		