

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #11

GGU Federal #41D-29-691

GGU Federal #41D-29-691

Plan: Design #1

Standard Planning Report

28 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal #41D-29-691
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 #11	North Reference:	Grid
Well:	GGU Federal #41D-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	GGU Federal #41D-29-691		
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 #11		
Site Position:		Northing:	1,614,678.473 ft
From:	Lat/Long	Easting:	2,415,085.675 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 9.890 N
		Longitude:	107° 34' 23.0500 W
		Grid Convergence:	-1.31 °

Well	GGU Federal #41D-29-691		
Well Position	+N/-S	11.80 ft	Northing:
	+E/-W	-29.52 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 10.000 N
			Longitude:
			107° 34' 23.4300 W
			Ground Level:
			0.00 ft

Wellbore	GGU Federal #41D-29-691				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.33	65.87	52,532

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	31.67

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	
836.70	0.00	0.00	836.70	0.00	0.00	0.00	0.00	0.00	0.00	
1,762.72	23.15	31.67	1,737.73	157.07	96.88	2.50	2.50	0.00	31.67	
3,979.47	23.15	31.67	3,775.97	898.82	554.41	0.00	0.00	0.00	0.00	
4,905.48	0.00	0.00	4,677.00	1,055.89	651.29	2.50	-2.50	0.00	180.00	
7,595.48	0.00	0.00	7,367.00	1,055.89	651.29	0.00	0.00	0.00	0.00	PBHL_ GGU Feder

BBC
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal #41D-29-691
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 #11	North Reference:	Grid
Well:	GGU Federal #41D-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	GGU Federal #41D-29-691		
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
736.70	0.00	0.00	736.70	0.00	0.00	0.00	0.00	0.00	0.00
Surface Casing									
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
836.70	0.00	0.00	836.70	0.00	0.00	0.00	0.00	0.00	0.00
900.00	1.58	31.67	899.99	0.74	0.46	0.87	2.50	2.50	0.00
1,000.00	4.08	31.67	999.86	4.95	3.05	5.82	2.50	2.50	0.00
1,100.00	6.58	31.67	1,099.42	12.86	7.93	15.11	2.50	2.50	0.00
1,200.00	9.08	31.67	1,198.48	24.46	15.09	28.73	2.50	2.50	0.00
1,300.00	11.58	31.67	1,296.85	39.72	24.50	46.67	2.50	2.50	0.00
1,400.00	14.08	31.67	1,394.35	58.62	36.16	68.88	2.50	2.50	0.00
1,500.00	16.58	31.67	1,490.78	81.13	50.04	95.32	2.50	2.50	0.00
1,600.00	19.08	31.67	1,585.97	107.19	66.12	125.94	2.50	2.50	0.00
1,700.00	21.58	31.67	1,679.73	136.76	84.36	160.68	2.50	2.50	0.00
1,762.72	23.15	31.67	1,737.73	157.07	96.88	184.55	2.50	2.50	0.00
1,800.00	23.15	31.67	1,772.01	169.55	104.58	199.21	0.00	0.00	0.00
1,900.00	23.15	31.67	1,863.95	203.01	125.22	238.52	0.00	0.00	0.00
2,000.00	23.15	31.67	1,955.90	236.47	145.86	277.83	0.00	0.00	0.00
2,100.00	23.15	31.67	2,047.85	269.93	166.50	317.15	0.00	0.00	0.00
2,200.00	23.15	31.67	2,139.80	303.39	187.14	356.46	0.00	0.00	0.00
2,300.00	23.15	31.67	2,231.74	336.85	207.78	395.78	0.00	0.00	0.00
2,400.00	23.15	31.67	2,323.69	370.31	228.41	435.09	0.00	0.00	0.00
2,500.00	23.15	31.67	2,415.64	403.78	249.05	474.41	0.00	0.00	0.00
2,600.00	23.15	31.67	2,507.59	437.24	269.69	513.72	0.00	0.00	0.00
2,700.00	23.15	31.67	2,599.53	470.70	290.33	553.04	0.00	0.00	0.00
2,800.00	23.15	31.67	2,691.48	504.16	310.97	592.35	0.00	0.00	0.00
2,900.00	23.15	31.67	2,783.43	537.62	331.61	631.67	0.00	0.00	0.00
3,000.00	23.15	31.67	2,875.38	571.08	352.25	670.98	0.00	0.00	0.00
3,100.00	23.15	31.67	2,967.33	604.54	372.89	710.30	0.00	0.00	0.00
3,200.00	23.15	31.67	3,059.27	638.00	393.53	749.61	0.00	0.00	0.00
3,300.00	23.15	31.67	3,151.22	671.47	414.17	788.92	0.00	0.00	0.00
3,400.00	23.15	31.67	3,243.17	704.93	434.81	828.24	0.00	0.00	0.00
3,500.00	23.15	31.67	3,335.12	738.39	455.45	867.55	0.00	0.00	0.00
3,600.00	23.15	31.67	3,427.06	771.85	476.09	906.87	0.00	0.00	0.00
3,686.94	23.15	31.67	3,507.00	800.94	494.03	941.05	0.00	0.00	0.00
Mesaverde									
3,700.00	23.15	31.67	3,519.01	805.31	496.73	946.18	0.00	0.00	0.00
3,800.00	23.15	31.67	3,610.96	838.77	517.37	985.50	0.00	0.00	0.00
3,900.00	23.15	31.67	3,702.91	872.23	538.01	1,024.81	0.00	0.00	0.00
3,979.47	23.15	31.67	3,775.97	898.82	554.41	1,056.05	0.00	0.00	0.00
4,000.00	22.64	31.67	3,794.89	905.62	558.60	1,064.04	2.50	-2.50	0.00
4,100.00	20.14	31.67	3,888.00	936.66	577.74	1,100.51	2.50	-2.50	0.00
4,200.00	17.64	31.67	3,982.60	964.21	594.74	1,132.87	2.50	-2.50	0.00
4,300.00	15.14	31.67	4,078.53	988.22	609.55	1,161.08	2.50	-2.50	0.00
4,400.00	12.64	31.67	4,175.60	1,008.64	622.14	1,185.08	2.50	-2.50	0.00
4,500.00	10.14	31.67	4,273.63	1,025.44	632.51	1,204.82	2.50	-2.50	0.00

BBC

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Site:	MDP #11	North Reference:	Grid
Well:	GGU Federal #41D-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	GGU Federal #41D-29-691		
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)
4,523.72	9.54	31.67	4,297.00	1,028.89	634.64	1,208.88	2.50	-2.50	0.00
Price Coal									
4,600.00	7.64	31.67	4,372.42	1,038.59	640.62	1,220.27	2.50	-2.50	0.00
4,700.00	5.14	31.67	4,471.79	1,048.06	646.46	1,231.40	2.50	-2.50	0.00
4,800.00	2.64	31.67	4,571.55	1,053.83	650.02	1,238.17	2.50	-2.50	0.00
4,900.00	0.14	31.67	4,671.52	1,055.89	651.29	1,240.60	2.50	-2.50	0.00
4,905.48	0.00	0.00	4,677.00	1,055.89	651.29	1,240.60	2.50	-2.50	0.00
Top of Gas									
5,000.00	0.00	0.00	4,771.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,100.00	0.00	0.00	4,871.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,200.00	0.00	0.00	4,971.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,300.00	0.00	0.00	5,071.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,400.00	0.00	0.00	5,171.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,500.00	0.00	0.00	5,271.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,600.00	0.00	0.00	5,371.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,700.00	0.00	0.00	5,471.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,800.00	0.00	0.00	5,571.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
5,900.00	0.00	0.00	5,671.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,000.00	0.00	0.00	5,771.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,100.00	0.00	0.00	5,871.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,200.00	0.00	0.00	5,971.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,300.00	0.00	0.00	6,071.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,400.00	0.00	0.00	6,171.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,500.00	0.00	0.00	6,271.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,600.00	0.00	0.00	6,371.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,700.00	0.00	0.00	6,471.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,800.00	0.00	0.00	6,571.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
6,900.00	0.00	0.00	6,671.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,000.00	0.00	0.00	6,771.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,100.00	0.00	0.00	6,871.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,200.00	0.00	0.00	6,971.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,295.48	0.00	0.00	7,067.00	1,055.89	651.29	1,240.60	0.00	0.00	0.00
Rolins									
7,300.00	0.00	0.00	7,071.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,400.00	0.00	0.00	7,171.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,500.00	0.00	0.00	7,271.52	1,055.89	651.29	1,240.60	0.00	0.00	0.00
7,595.48	0.00	0.00	7,367.00	1,055.89	651.29	1,240.60	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
736.70	736.70	Surface Casing	9-5/8	12-1/4

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal #41D-29-691
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 #11	North Reference:	Grid
Well:	GGU Federal #41D-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	GGU Federal #41D-29-691		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,686.94	3,507.00	Mesaverde		0.00		
4,523.72	4,297.00	Price Coal		0.00		
4,905.48	4,677.00	Top of Gas		0.00		
7,295.48	7,067.00	Rolins		0.00		

WELL DETAILS: GGU Federal #41D-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1614690.270 2415056.132 30° 10.007'N 84° 23.4300 W



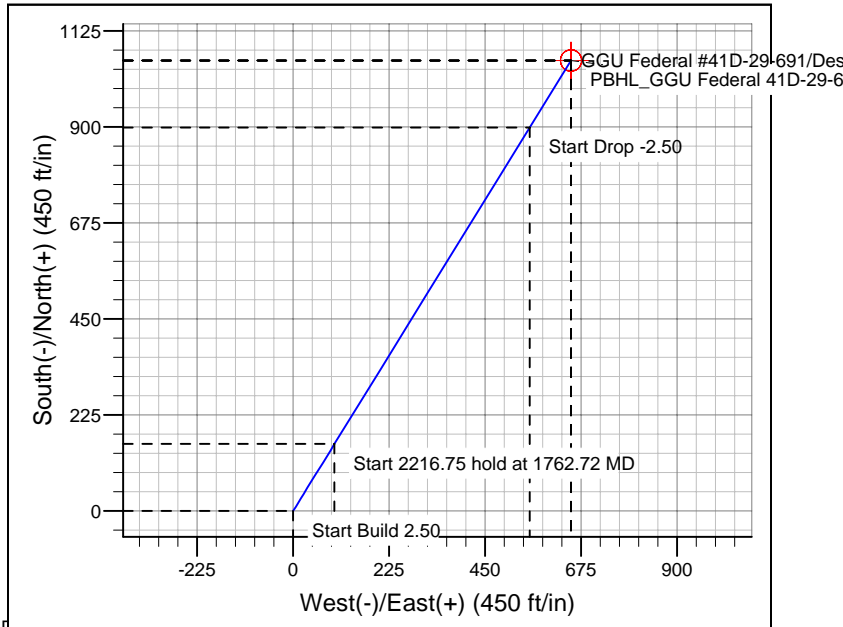
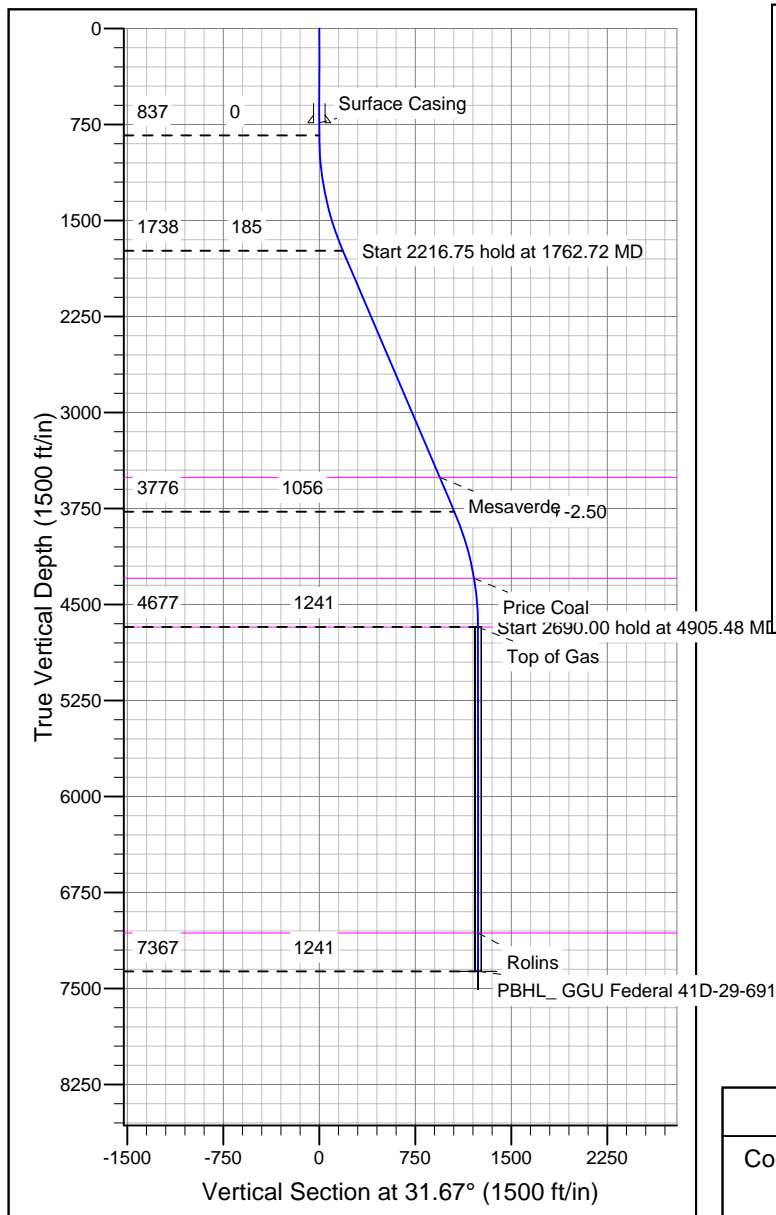
Azimuths to Grid North
 True North: 1.31°
 Magnetic North: 11.64°
 Magnetic Field
 Strength: 52532.1snT
 Dip Angle: 65.87°
 Date: 12/31/2009
 Model: IGRF200510

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	36.70	0.00	0.00	836.70	0.00	0.00	0.00	0.00	0.00	
3	62.72	23.15	31.67	1737.73	157.07	96.88	2.50	31.67	184.55	
4	79.47	23.15	31.67	3775.97	898.82	554.41	0.00	0.00	1056.05	
5	95.48	0.00	0.00	4677.00	1055.89	651.29	2.50	180.00	1240.60	
6	95.48	0.00	0.00	7367.00	1055.89	651.29	0.00	0.00	1240.60	PBHL_ GGU Federal 41D-29-691

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL_ GGU Federal 41D-29-691	7367.00	1055.89	651.29	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
736.70	36.70	Surface Casing	9-5/8

FORMATION TOP DETAILS

TVD	MD	Formation
3507.00	3686.94	Mesaverde
4297.00	4523.72	Price Coal
4677.00	4905.48	Top of Gas
7067.00	7295.48	Rolins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Federal #41D-29-691, Grid 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