

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Federal 34B-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 34B-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 34B-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 34B-29-691		
Well Position	+N/-S	11.12 ft	Northing:
	+E/-W	-46.25 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 47.920 N
			Longitude:
			107° 34' 32.9700 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	174.07

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	
755.00	0.00	0.00	755.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,659.27	22.61	174.07	1,635.99	-175.15	18.18	2.50	2.50	0.00	174.07	
3,499.35	22.61	174.07	3,334.69	-878.70	91.21	0.00	0.00	0.00	0.00	
5,006.46	0.00	0.00	4,803.00	-1,170.62	121.51	1.50	-1.50	0.00	180.00	
7,506.46	0.00	0.00	7,303.00	-1,170.62	121.51	0.00	0.00	0.00	0.00	GGU Federal 34B-2

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 34B-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 34B-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
755.00	0.00	0.00	755.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.12	174.07	800.00	-0.44	0.05	0.44	2.50	2.50	0.00
900.00	3.62	174.07	899.90	-4.56	0.47	4.59	2.50	2.50	0.00
1,000.00	6.12	174.07	999.53	-13.01	1.35	13.08	2.50	2.50	0.00
1,100.00	8.62	174.07	1,098.70	-25.78	2.68	25.92	2.50	2.50	0.00
1,200.00	11.12	174.07	1,197.21	-42.84	4.45	43.07	2.50	2.50	0.00
1,300.00	13.62	174.07	1,294.88	-64.15	6.66	64.50	2.50	2.50	0.00
1,400.00	16.12	174.07	1,391.52	-89.68	9.31	90.16	2.50	2.50	0.00
1,500.00	18.62	174.07	1,486.95	-119.38	12.39	120.02	2.50	2.50	0.00
1,600.00	21.12	174.07	1,580.98	-153.20	15.90	154.02	2.50	2.50	0.00
1,659.27	22.61	174.07	1,635.99	-175.15	18.18	176.09	2.50	2.50	0.00
1,700.00	22.61	174.07	1,673.59	-190.72	19.80	191.75	0.00	0.00	0.00
1,800.00	22.61	174.07	1,765.91	-228.96	23.77	230.19	0.00	0.00	0.00
1,900.00	22.61	174.07	1,858.22	-267.19	27.73	268.63	0.00	0.00	0.00
2,000.00	22.61	174.07	1,950.54	-305.43	31.70	307.07	0.00	0.00	0.00
2,100.00	22.61	174.07	2,042.86	-343.66	35.67	345.51	0.00	0.00	0.00
2,200.00	22.61	174.07	2,135.17	-381.90	39.64	383.95	0.00	0.00	0.00
2,300.00	22.61	174.07	2,227.49	-420.13	43.61	422.39	0.00	0.00	0.00
2,400.00	22.61	174.07	2,319.81	-458.37	47.58	460.83	0.00	0.00	0.00
2,500.00	22.61	174.07	2,412.12	-496.60	51.55	499.27	0.00	0.00	0.00
2,600.00	22.61	174.07	2,504.44	-534.84	55.51	537.71	0.00	0.00	0.00
2,700.00	22.61	174.07	2,596.76	-573.07	59.48	576.15	0.00	0.00	0.00
2,800.00	22.61	174.07	2,689.07	-611.31	63.45	614.59	0.00	0.00	0.00
2,900.00	22.61	174.07	2,781.39	-649.54	67.42	653.03	0.00	0.00	0.00
3,000.00	22.61	174.07	2,873.71	-687.78	71.39	691.47	0.00	0.00	0.00
3,100.00	22.61	174.07	2,966.02	-726.01	75.36	729.91	0.00	0.00	0.00
3,200.00	22.61	174.07	3,058.34	-764.25	79.33	768.35	0.00	0.00	0.00
3,300.00	22.61	174.07	3,150.66	-802.48	83.30	806.79	0.00	0.00	0.00
3,400.00	22.61	174.07	3,242.97	-840.72	87.26	845.23	0.00	0.00	0.00
3,499.35	22.61	174.07	3,334.69	-878.70	91.21	883.42	0.00	0.00	0.00
3,500.00	22.60	174.07	3,335.29	-878.95	91.23	883.67	1.50	-1.50	0.00
3,600.00	21.10	174.07	3,428.10	-915.96	95.07	920.88	1.50	-1.50	0.00
3,626.65	20.70	174.07	3,453.00	-925.42	96.06	930.39	1.50	-1.50	0.00
Mesaverde									
3,700.00	19.60	174.07	3,521.86	-950.55	98.66	955.65	1.50	-1.50	0.00
3,800.00	18.10	174.07	3,616.50	-982.68	102.00	987.96	1.50	-1.50	0.00
3,900.00	16.60	174.07	3,711.95	-1,012.33	105.08	1,017.77	1.50	-1.50	0.00
4,000.00	15.10	174.07	3,808.14	-1,039.49	107.90	1,045.08	1.50	-1.50	0.00
4,100.00	13.60	174.07	3,905.02	-1,064.14	110.46	1,069.86	1.50	-1.50	0.00
4,200.00	12.10	174.07	4,002.52	-1,086.25	112.75	1,092.09	1.50	-1.50	0.00
4,300.00	10.60	174.07	4,100.56	-1,105.82	114.78	1,111.76	1.50	-1.50	0.00
4,378.64	9.42	174.07	4,178.00	-1,119.41	116.19	1,125.43	1.50	-1.50	0.00
Price Coal									
4,400.00	9.10	174.07	4,199.08	-1,122.83	116.55	1,128.86	1.50	-1.50	0.00

BBC

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Well:	GGU Federal 34B-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	7.60	174.07	4,298.02	-1,137.27	118.05	1,143.38	1.50	-1.50	0.00
4,600.00	6.10	174.07	4,397.30	-1,149.13	119.28	1,155.30	1.50	-1.50	0.00
4,700.00	4.60	174.07	4,496.87	-1,158.40	120.24	1,164.62	1.50	-1.50	0.00
4,800.00	3.10	174.07	4,596.64	-1,165.07	120.93	1,171.33	1.50	-1.50	0.00
4,900.00	1.60	174.07	4,696.55	-1,169.14	121.35	1,175.42	1.50	-1.50	0.00
5,000.00	0.10	174.07	4,796.54	-1,170.61	121.51	1,176.90	1.50	-1.50	0.00
5,006.46	0.00	0.00	4,803.00	-1,170.62	121.51	1,176.91	1.50	-1.50	0.00
5,100.00	0.00	0.00	4,896.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,146.46	0.00	0.00	4,943.00	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
Top Gas									
5,200.00	0.00	0.00	4,996.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,300.00	0.00	0.00	5,096.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,400.00	0.00	0.00	5,196.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,500.00	0.00	0.00	5,296.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,600.00	0.00	0.00	5,396.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,700.00	0.00	0.00	5,496.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,800.00	0.00	0.00	5,596.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
5,900.00	0.00	0.00	5,696.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,000.00	0.00	0.00	5,796.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,100.00	0.00	0.00	5,896.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,200.00	0.00	0.00	5,996.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,300.00	0.00	0.00	6,096.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,400.00	0.00	0.00	6,196.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,500.00	0.00	0.00	6,296.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,600.00	0.00	0.00	6,396.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,700.00	0.00	0.00	6,496.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,800.00	0.00	0.00	6,596.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
6,900.00	0.00	0.00	6,696.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,000.00	0.00	0.00	6,796.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,100.00	0.00	0.00	6,896.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,200.00	0.00	0.00	6,996.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,206.46	0.00	0.00	7,003.00	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
Rollins									
7,300.00	0.00	0.00	7,096.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,400.00	0.00	0.00	7,196.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,500.00	0.00	0.00	7,296.54	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
7,506.46	0.00	0.00	7,303.00	-1,170.62	121.51	1,176.91	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
755.00	755.00	9 5/8"	9-5/8	12-1/4

BBC

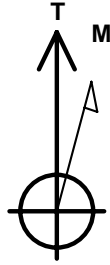
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Federal 34B-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 34B-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 (°)	
3,626.65	3,453.00	Mesaverde		0.00		
4,378.64	4,178.00	Price Coal		0.00		
5,146.46	4,943.00	Top Gas		0.00		
7,206.46	7,003.00	Rollins		0.00		
7,506.46	7,303.00	TD		0.00		

WELL DETAILS: GGU Federal 34B-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612473.921 2414257.348 29° 47.927' N 104° 32.970' W



Azimuths to True North
 Magnetic North: 10.37°

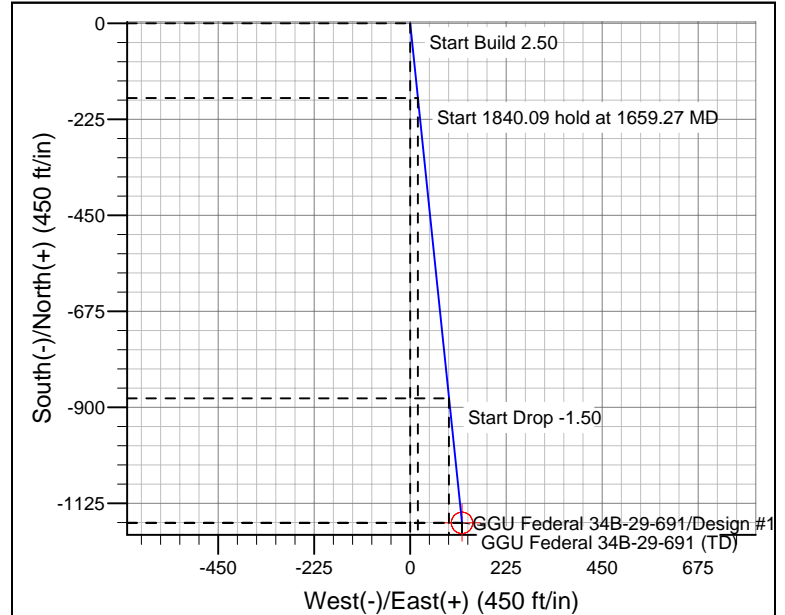
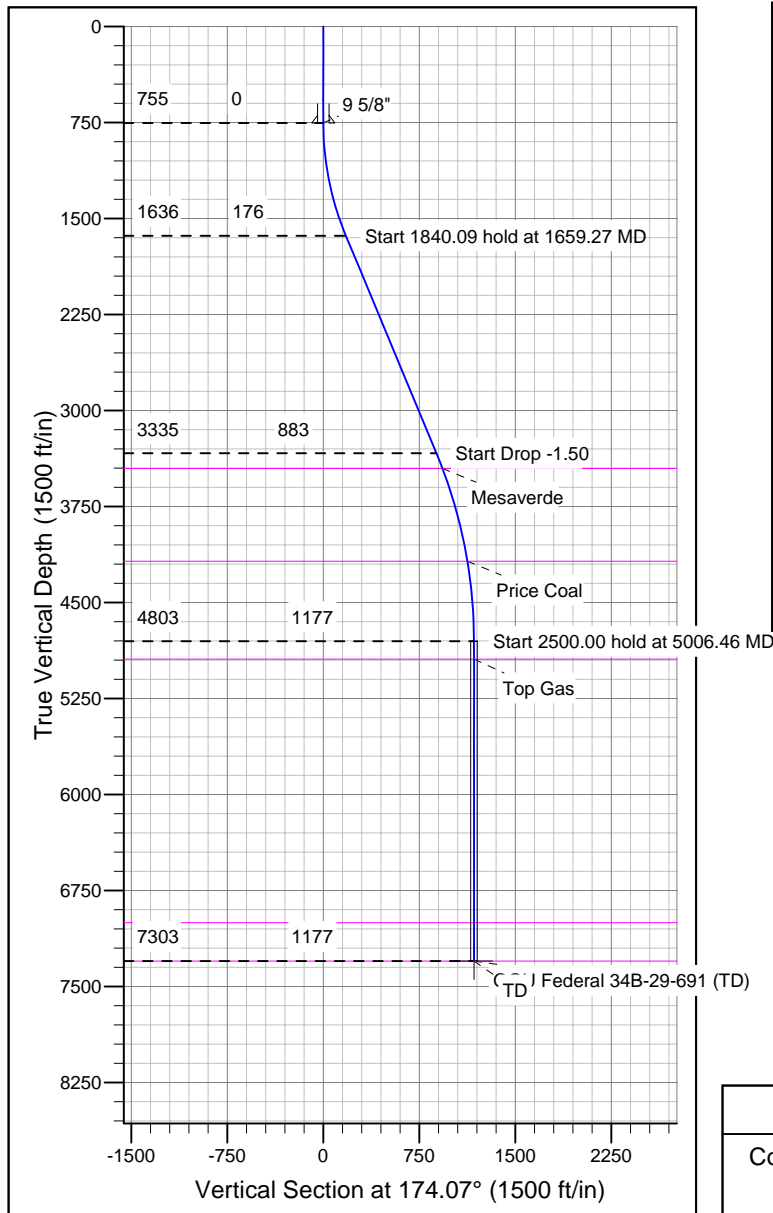
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	755.00	0.00	0.00	755.00	0.00	0.00	0.00	0.00	0.00	
3	1659.27	22.61	174.07	1635.99	-175.15	18.18	2.50	174.07	176.09	
4	3499.35	22.61	174.07	3334.69	-878.70	91.21	0.00	0.00	883.42	
5	5006.46	0.00	0.00	4803.00	1170.62	121.51	1.50	180.00	176.91	
6	7303.00	0.00	0.00	7303.00	1170.62	121.51	0.00	0.00	176.91	GGU Federal 34B-29-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Federal 34B-29-691 (TD) 7303.00 1170.62 121.51 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 755.00 755.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD Path MD Path Formation
 3453.00 3626.65 Mesaverde
 4178.00 4378.64 Price Coal
 4943.00 5146.46 Top Gas
 7003.00 7206.46 Rollins
 7303.00 7506.46 TD

REFERENCE INFORMATION

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