

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Scott Pad 41C-36-692

GGU 14A-30-691

Wellbore #1

Plan: Design #1

Standard Planning Report

07 November, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU 14A-30-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5922.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5922.00ft (Original Well Elev)
Site:	Scott Pad 41C-36-692	North Reference:	Grid
Well:	GGU 14A-30-691	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	Scott Pad 41C-36-692		
Site Position:		Northing:	1,611,087.890 ft
From:	Lat/Long	Easting:	2,405,834.265 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 29' 32.309 N
		Longitude:	107° 36' 19.9872 W
		Grid Convergence:	-1.33 °

Well	GGU 14A-30-691		
Well Position	+N/-S	7.40 ft	Northing:
	+E/-W	10.33 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 32.384 N
			Longitude:
			107° 36' 19.8576 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/7/2011	10.12	65.80	52,259

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	116.48

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	
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,131.38	10.03	116.48	1,129.33	-15.63	31.38	2.50	2.50	0.00	116.48	
4,101.94	10.03	116.48	4,054.46	-246.39	494.68	0.00	0.00	0.00	0.00	
4,770.90	0.00	0.00	4,720.00	-272.44	546.98	1.50	-1.50	0.00	180.00	
7,270.90	0.00	0.00	7,220.00	-272.44	546.98	0.00	0.00	0.00	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5922.00ft (Original Well Elev)
Site:	Scott Pad 41C-36-692	North Reference:	Grid
Well:	GGU 14A-30-691	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	
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.75	116.48	799.99	-0.48	0.96	1.07	2.50	2.50	0.00	
900.00	4.25	116.48	899.84	-2.81	5.64	6.30	2.50	2.50	0.00	
1,000.00	6.75	116.48	999.38	-7.08	14.22	15.89	2.50	2.50	0.00	
1,100.00	9.25	116.48	1,098.39	-13.29	26.68	29.80	2.50	2.50	0.00	
1,131.38	10.03	116.48	1,129.33	-15.63	31.38	35.06	2.50	2.50	0.00	
1,200.00	10.03	116.48	1,196.90	-20.96	42.08	47.01	0.00	0.00	0.00	
1,300.00	10.03	116.48	1,295.37	-28.73	57.68	64.44	0.00	0.00	0.00	
1,400.00	10.03	116.48	1,393.84	-36.50	73.28	81.86	0.00	0.00	0.00	
1,500.00	10.03	116.48	1,492.31	-44.27	88.87	99.29	0.00	0.00	0.00	
1,600.00	10.03	116.48	1,590.78	-52.03	104.47	116.71	0.00	0.00	0.00	
1,700.00	10.03	116.48	1,689.25	-59.80	120.07	134.13	0.00	0.00	0.00	
1,800.00	10.03	116.48	1,787.72	-67.57	135.66	151.56	0.00	0.00	0.00	
1,900.00	10.03	116.48	1,886.19	-75.34	151.26	168.98	0.00	0.00	0.00	
2,000.00	10.03	116.48	1,984.66	-83.11	166.85	186.41	0.00	0.00	0.00	
2,100.00	10.03	116.48	2,083.13	-90.87	182.45	203.83	0.00	0.00	0.00	
2,200.00	10.03	116.48	2,181.61	-98.64	198.05	221.25	0.00	0.00	0.00	
2,300.00	10.03	116.48	2,280.08	-106.41	213.64	238.68	0.00	0.00	0.00	
2,400.00	10.03	116.48	2,378.55	-114.18	229.24	256.10	0.00	0.00	0.00	
2,500.00	10.03	116.48	2,477.02	-121.95	244.84	273.52	0.00	0.00	0.00	
2,600.00	10.03	116.48	2,575.49	-129.71	260.43	290.95	0.00	0.00	0.00	
2,700.00	10.03	116.48	2,673.96	-137.48	276.03	308.37	0.00	0.00	0.00	
2,800.00	10.03	116.48	2,772.43	-145.25	291.63	325.80	0.00	0.00	0.00	
2,900.00	10.03	116.48	2,870.90	-153.02	307.22	343.22	0.00	0.00	0.00	
3,000.00	10.03	116.48	2,969.37	-160.79	322.82	360.64	0.00	0.00	0.00	
3,100.00	10.03	116.48	3,067.84	-168.56	338.41	378.07	0.00	0.00	0.00	
3,200.00	10.03	116.48	3,166.31	-176.32	354.01	395.49	0.00	0.00	0.00	
3,300.00	10.03	116.48	3,264.78	-184.09	369.61	412.92	0.00	0.00	0.00	
3,400.00	10.03	116.48	3,363.25	-191.86	385.20	430.34	0.00	0.00	0.00	
3,500.00	10.03	116.48	3,461.72	-199.63	400.80	447.76	0.00	0.00	0.00	
3,600.00	10.03	116.48	3,560.19	-207.40	416.40	465.19	0.00	0.00	0.00	
3,700.00	10.03	116.48	3,658.66	-215.16	431.99	482.61	0.00	0.00	0.00	
3,800.00	10.03	116.48	3,757.13	-222.93	447.59	500.03	0.00	0.00	0.00	
3,900.00	10.03	116.48	3,855.60	-230.70	463.19	517.46	0.00	0.00	0.00	
4,000.00	10.03	116.48	3,954.07	-238.47	478.78	534.88	0.00	0.00	0.00	
4,100.00	10.03	116.48	4,052.54	-246.24	494.38	552.31	0.00	0.00	0.00	
4,101.94	10.03	116.48	4,054.46	-246.39	494.68	552.65	0.00	0.00	0.00	
4,200.00	8.56	116.48	4,151.22	-253.45	508.86	568.49	1.50	-1.50	0.00	
4,300.00	7.06	116.48	4,250.29	-259.51	521.03	582.08	1.50	-1.50	0.00	
4,400.00	5.56	116.48	4,349.68	-264.42	530.88	593.08	1.50	-1.50	0.00	
4,500.00	4.06	116.48	4,449.32	-268.16	538.39	601.47	1.50	-1.50	0.00	
4,600.00	2.56	116.48	4,549.15	-270.73	543.56	607.25	1.50	-1.50	0.00	
4,700.00	1.06	116.48	4,649.10	-272.14	546.39	610.42	1.50	-1.50	0.00	
4,770.90	0.00	0.00	4,720.00	-272.44	546.98	611.07	1.50	-1.50	0.00	
4,800.00	0.00	0.00	4,749.10	-272.44	546.98	611.07	0.00	0.00	0.00	

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Well:	GGU 14A-30-691	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)
4,900.00	0.00	0.00	4,849.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,000.00	0.00	0.00	4,949.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,100.00	0.00	0.00	5,049.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,200.00	0.00	0.00	5,149.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,300.00	0.00	0.00	5,249.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,400.00	0.00	0.00	5,349.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,500.00	0.00	0.00	5,449.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,600.00	0.00	0.00	5,549.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,700.00	0.00	0.00	5,649.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,800.00	0.00	0.00	5,749.10	-272.44	546.98	611.07	0.00	0.00	0.00
5,900.00	0.00	0.00	5,849.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,000.00	0.00	0.00	5,949.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,100.00	0.00	0.00	6,049.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,200.00	0.00	0.00	6,149.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,300.00	0.00	0.00	6,249.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,400.00	0.00	0.00	6,349.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,500.00	0.00	0.00	6,449.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,600.00	0.00	0.00	6,549.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,700.00	0.00	0.00	6,649.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,800.00	0.00	0.00	6,749.10	-272.44	546.98	611.07	0.00	0.00	0.00
6,900.00	0.00	0.00	6,849.10	-272.44	546.98	611.07	0.00	0.00	0.00
7,000.00	0.00	0.00	6,949.10	-272.44	546.98	611.07	0.00	0.00	0.00
7,100.00	0.00	0.00	7,049.10	-272.44	546.98	611.07	0.00	0.00	0.00
7,200.00	0.00	0.00	7,149.10	-272.44	546.98	611.07	0.00	0.00	0.00
7,270.90	0.00	0.00	7,220.00	-272.44	546.98	611.07	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
730.00	730.00	9 5/8"	9-5/8	12-1/4

Formations

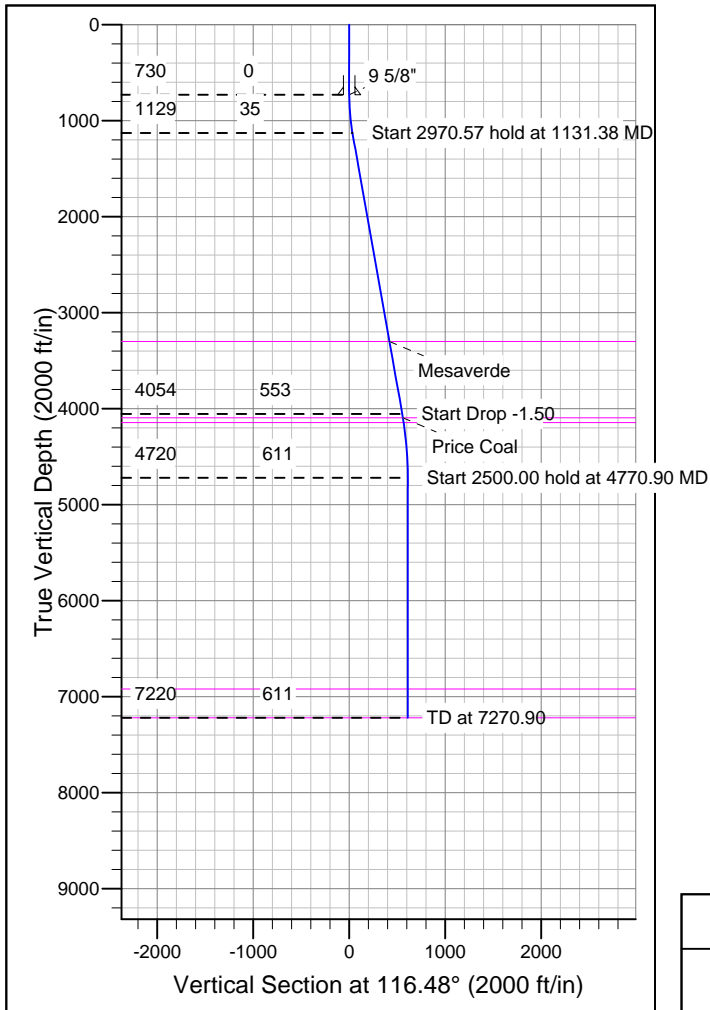
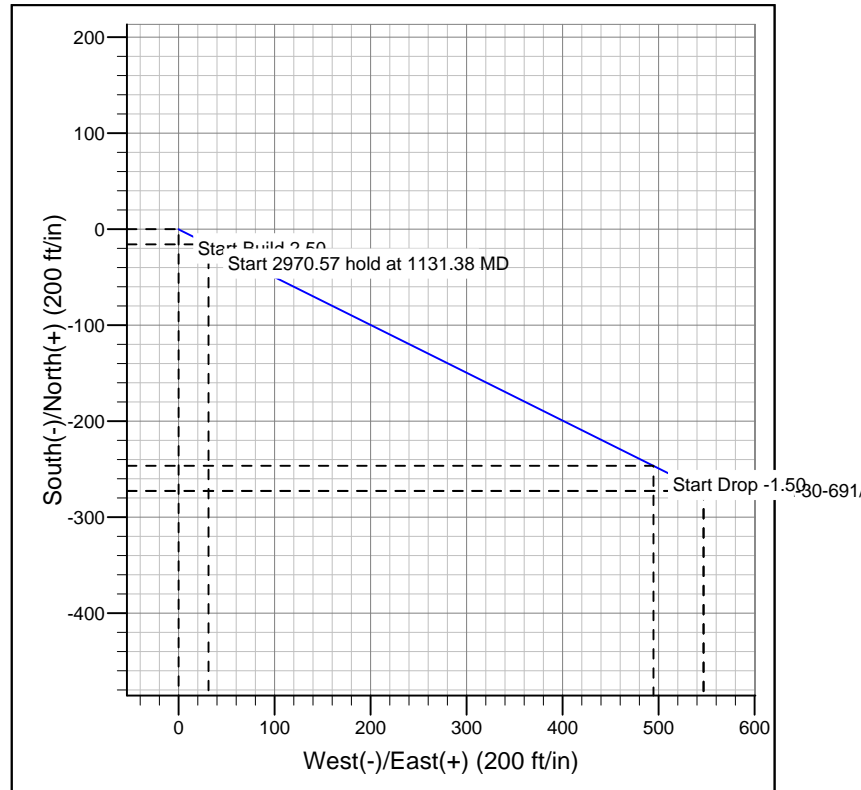
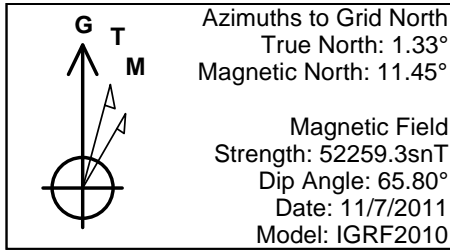
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,335.77	3,300.00	Mesaverde		0.00	
4,143.08	4,095.00	Price Coal		0.00	
4,193.71	4,145.00	Top Gas		0.00	
6,970.90	6,920.00	Rollins		0.00	
7,270.90	7,220.00	TD		0.00	

WELL DETAILS: GGU 14A-30-691

+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1611095.293	Easting	2405844.599	Latitude	Longitude
				39° 29' 32.384 N	107° 36' 19.8576 W	Slot

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	730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	
3	1131.38	10.03	116.48	1129.33	-15.63	31.38	2.50	116.48	35.06	
4	4101.94	10.03	116.48	4054.46	-246.39	494.68	0.00	0.00	552.65	
5	4770.90	0.00	0.00	4720.00	-272.44	546.98	1.50	180.00	611.07	
6	7270.90	0.00	0.00	7220.00	-272.44	546.98	0.00	0.00	611.07	GGU 14A-30-691 (TD)



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3300.00	3335.77	Mesaverde
4095.00	4143.08	Price Coal
4145.00	4193.71	Top Gas
6920.00	6970.90	Rollins
7220.00	7270.90	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU 14A-30-691, Grid North
 Vertical (TVD) Reference: WELL @ 5922.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 5922.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature