

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Scott Pad 41C-36-692

GGU 11C-31-691

Wellbore #1

Plan: Design #1

Standard Planning Report

07 November, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU 11C-31-691
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 11C-31-691	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 11C-31-691		
Well Position	+N/-S	-0.61 ft	Northing:
	+E/-W	10.15 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 32.305 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	150.33

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	
720.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,558.50	20.96	150.33	1,539.92	-131.80	75.08	2.50	2.50	0.00	150.33	
3,447.04	20.96	150.33	3,303.46	-718.86	409.52	0.00	0.00	0.00	0.00	
4,844.55	0.00	0.00	4,670.00	-938.53	534.66	1.50	-1.50	0.00	180.00	
7,344.55	0.00	0.00	7,170.00	-938.53	534.66	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 11C-31-691	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	
720.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	2.00	150.33	799.98	-1.21	0.69	1.40	2.50	2.50	0.00	
900.00	4.50	150.33	899.82	-6.14	3.50	7.06	2.50	2.50	0.00	
1,000.00	7.00	150.33	999.30	-14.84	8.46	17.08	2.50	2.50	0.00	
1,100.00	9.50	150.33	1,098.26	-27.31	15.56	31.43	2.50	2.50	0.00	
1,200.00	12.00	150.33	1,196.50	-43.52	24.79	50.08	2.50	2.50	0.00	
1,300.00	14.50	150.33	1,293.83	-63.43	36.13	73.00	2.50	2.50	0.00	
1,400.00	17.00	150.33	1,390.07	-87.01	49.57	100.14	2.50	2.50	0.00	
1,500.00	19.50	150.33	1,485.03	-114.22	65.07	131.46	2.50	2.50	0.00	
1,558.50	20.96	150.33	1,539.92	-131.80	75.08	151.69	2.50	2.50	0.00	
1,600.00	20.96	150.33	1,578.67	-144.70	82.43	166.53	0.00	0.00	0.00	
1,700.00	20.96	150.33	1,672.05	-175.78	100.14	202.31	0.00	0.00	0.00	
1,800.00	20.96	150.33	1,765.43	-206.87	117.85	238.08	0.00	0.00	0.00	
1,900.00	20.96	150.33	1,858.82	-237.96	135.56	273.86	0.00	0.00	0.00	
2,000.00	20.96	150.33	1,952.20	-269.04	153.27	309.64	0.00	0.00	0.00	
2,100.00	20.96	150.33	2,045.58	-300.13	170.98	345.41	0.00	0.00	0.00	
2,200.00	20.96	150.33	2,138.96	-331.21	188.69	381.19	0.00	0.00	0.00	
2,300.00	20.96	150.33	2,232.34	-362.30	206.39	416.96	0.00	0.00	0.00	
2,400.00	20.96	150.33	2,325.72	-393.38	224.10	452.74	0.00	0.00	0.00	
2,500.00	20.96	150.33	2,419.10	-424.47	241.81	488.51	0.00	0.00	0.00	
2,600.00	20.96	150.33	2,512.49	-455.55	259.52	524.29	0.00	0.00	0.00	
2,700.00	20.96	150.33	2,605.87	-486.64	277.23	560.07	0.00	0.00	0.00	
2,800.00	20.96	150.33	2,699.25	-517.72	294.94	595.84	0.00	0.00	0.00	
2,900.00	20.96	150.33	2,792.63	-548.81	312.65	631.62	0.00	0.00	0.00	
3,000.00	20.96	150.33	2,886.01	-579.90	330.36	667.39	0.00	0.00	0.00	
3,100.00	20.96	150.33	2,979.39	-610.98	348.06	703.17	0.00	0.00	0.00	
3,200.00	20.96	150.33	3,072.77	-642.07	365.77	738.94	0.00	0.00	0.00	
3,300.00	20.96	150.33	3,166.16	-673.15	383.48	774.72	0.00	0.00	0.00	
3,400.00	20.96	150.33	3,259.54	-704.24	401.19	810.50	0.00	0.00	0.00	
3,447.04	20.96	150.33	3,303.46	-718.86	409.52	827.32	0.00	0.00	0.00	
3,500.00	20.17	150.33	3,353.05	-735.02	418.73	845.93	1.50	-1.50	0.00	
3,600.00	18.67	150.33	3,447.36	-763.91	435.19	879.17	1.50	-1.50	0.00	
3,700.00	17.17	150.33	3,542.50	-790.64	450.41	909.94	1.50	-1.50	0.00	
3,800.00	15.67	150.33	3,638.42	-815.20	464.40	938.20	1.50	-1.50	0.00	
3,900.00	14.17	150.33	3,735.05	-837.57	477.15	963.95	1.50	-1.50	0.00	
4,000.00	12.67	150.33	3,832.32	-857.73	488.63	987.15	1.50	-1.50	0.00	
4,100.00	11.17	150.33	3,930.16	-875.67	498.86	1,007.80	1.50	-1.50	0.00	
4,200.00	9.67	150.33	4,028.51	-891.39	507.81	1,025.88	1.50	-1.50	0.00	
4,300.00	8.17	150.33	4,127.30	-904.86	515.48	1,041.39	1.50	-1.50	0.00	
4,400.00	6.67	150.33	4,226.46	-916.07	521.87	1,054.30	1.50	-1.50	0.00	
4,500.00	5.17	150.33	4,325.92	-925.03	526.97	1,064.61	1.50	-1.50	0.00	
4,600.00	3.67	150.33	4,425.62	-931.73	530.79	1,072.31	1.50	-1.50	0.00	
4,700.00	2.17	150.33	4,525.49	-936.15	533.31	1,077.40	1.50	-1.50	0.00	
4,800.00	0.67	150.33	4,625.46	-938.30	534.53	1,079.88	1.50	-1.50	0.00	
4,844.55	0.00	0.00	4,670.00	-938.53	534.66	1,080.14	1.50	-1.50	0.00	

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Site:	Scott Pad 41C-36-692	North Reference:	Grid
Well:	GGU 11C-31-691	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	4,725.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,000.00	0.00	0.00	4,825.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,100.00	0.00	0.00	4,925.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,200.00	0.00	0.00	5,025.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,300.00	0.00	0.00	5,125.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,400.00	0.00	0.00	5,225.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,500.00	0.00	0.00	5,325.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,600.00	0.00	0.00	5,425.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,700.00	0.00	0.00	5,525.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,800.00	0.00	0.00	5,625.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
5,900.00	0.00	0.00	5,725.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,000.00	0.00	0.00	5,825.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,100.00	0.00	0.00	5,925.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,200.00	0.00	0.00	6,025.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,300.00	0.00	0.00	6,125.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,400.00	0.00	0.00	6,225.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,500.00	0.00	0.00	6,325.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,600.00	0.00	0.00	6,425.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,700.00	0.00	0.00	6,525.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,800.00	0.00	0.00	6,625.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
6,900.00	0.00	0.00	6,725.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
7,000.00	0.00	0.00	6,825.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
7,100.00	0.00	0.00	6,925.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
7,200.00	0.00	0.00	7,025.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
7,300.00	0.00	0.00	7,125.45	-938.53	534.66	1,080.14	0.00	0.00	0.00
7,344.55	0.00	0.00	7,170.00	-938.53	534.66	1,080.14	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
720.00	720.00	9 5/8"	9-5/8	12-1/4

Formations

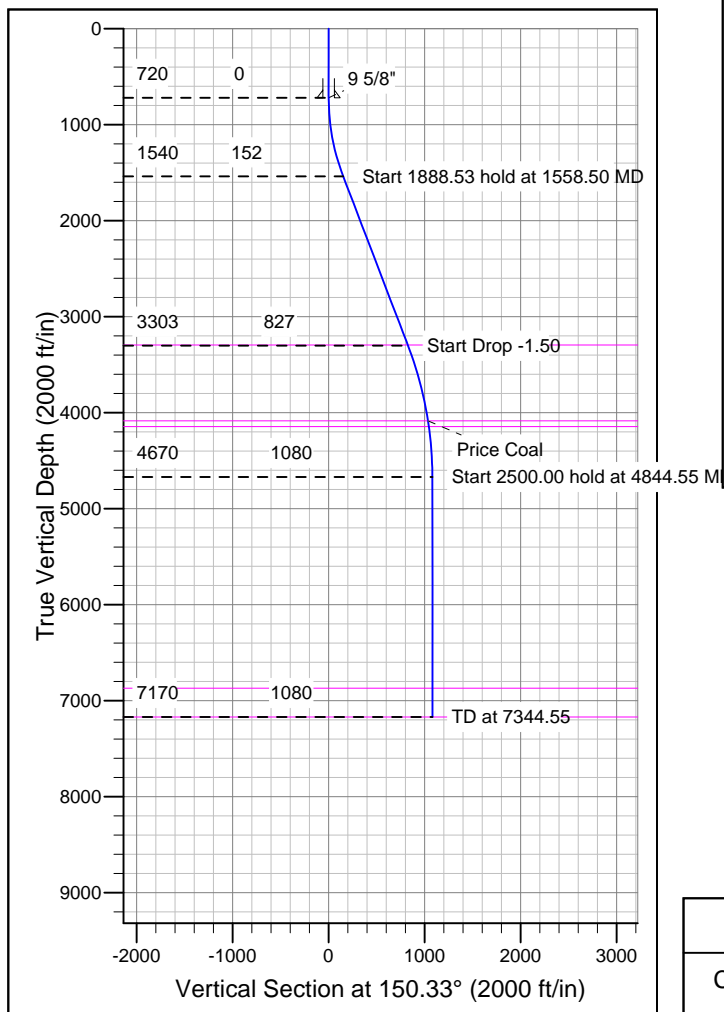
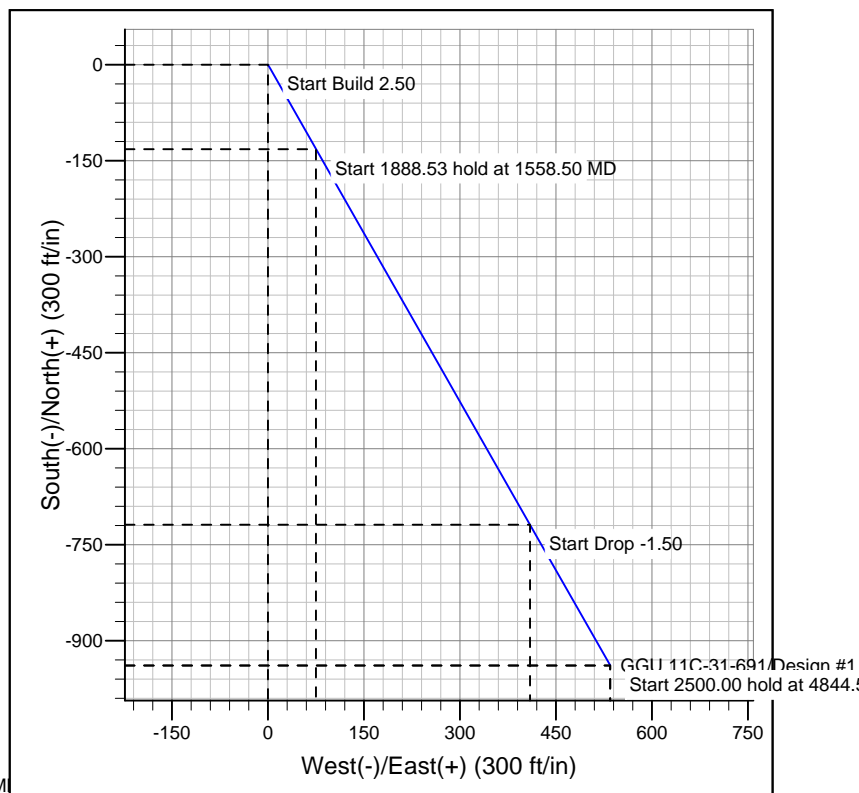
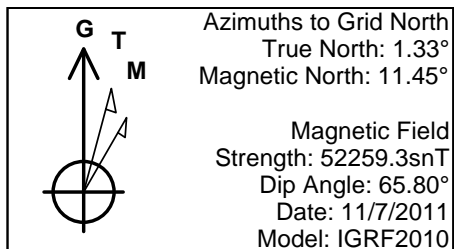
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,437.98	3,295.00	Mesaverde		0.00	
4,257.23	4,085.00	Price Coal		0.00	
4,317.88	4,145.00	Top Gas		0.00	
7,044.55	6,870.00	Rollins		0.00	
7,344.55	7,170.00	TD		0.00	

WELL DETAILS: GGU 11C-31-691

+N/-S	+E/-W	Northing	Ground Level:	0.00	Longitude	Slot
0.00	0.00	1611087.282	Easting	2405844.413	39° 29' 32.305 N 107° 36' 19.8576 W	

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	720.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	
3	1558.50	20.96	150.33	1539.92	-131.80	75.08	2.50	150.33	151.69	
4	3447.04	20.96	150.33	3303.46	-718.86	409.52	0.00	0.00	827.32	
5	4844.55	0.00	0.00	4670.00	-938.53	534.66	1.50	180.00	1080.14	
6	7344.55	0.00	0.00	7170.00	-938.53	534.66	0.00	0.00	1080.14	GGU 11C-31-691 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3295.00	3437.98	Mesaverde
4085.00	4257.23	Price Coal
4145.00	4317.88	Top Gas
6870.00	7044.55	Rollins
7170.00	7344.55	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU 11C-31-691, 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