

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Scott Pad 41C-36-692

GGU 13A-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 13A-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 13A-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 13A-30-691		
Well Position	+N/-S	47.43 ft	Northing:
	+E/-W	12.39 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 32.780 N
			Longitude:
			107° 36' 19.8432 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	30.75

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	
1,543.37	20.33	30.75	1,526.40	122.75	73.02	2.50	2.50	0.00	30.75	
3,586.99	20.33	30.75	3,442.66	733.07	436.09	0.00	0.00	0.00	0.00	
4,942.60	0.00	0.00	4,770.00	937.64	557.79	1.50	-1.50	0.00	180.00	
7,442.60	0.00	0.00	7,270.00	937.64	557.79	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 13A-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	30.75	799.99	0.92	0.55	1.07	2.50	2.50	0.00	
900.00	4.25	30.75	899.84	5.42	3.22	6.30	2.50	2.50	0.00	
1,000.00	6.75	30.75	999.38	13.65	8.12	15.89	2.50	2.50	0.00	
1,100.00	9.25	30.75	1,098.39	25.61	15.24	29.80	2.50	2.50	0.00	
1,200.00	11.75	30.75	1,196.71	41.27	24.55	48.02	2.50	2.50	0.00	
1,300.00	14.25	30.75	1,294.14	60.60	36.05	70.52	2.50	2.50	0.00	
1,400.00	16.75	30.75	1,390.50	83.57	49.71	97.24	2.50	2.50	0.00	
1,500.00	19.25	30.75	1,485.60	110.13	65.51	128.14	2.50	2.50	0.00	
1,543.37	20.33	30.75	1,526.40	122.75	73.02	142.82	2.50	2.50	0.00	
1,600.00	20.33	30.75	1,579.50	139.66	83.08	162.50	0.00	0.00	0.00	
1,700.00	20.33	30.75	1,673.27	169.52	100.85	197.25	0.00	0.00	0.00	
1,800.00	20.33	30.75	1,767.04	199.39	118.61	232.00	0.00	0.00	0.00	
1,900.00	20.33	30.75	1,860.81	229.25	136.38	266.75	0.00	0.00	0.00	
2,000.00	20.33	30.75	1,954.58	259.12	154.14	301.50	0.00	0.00	0.00	
2,100.00	20.33	30.75	2,048.34	288.98	171.91	336.25	0.00	0.00	0.00	
2,200.00	20.33	30.75	2,142.11	318.85	189.68	371.00	0.00	0.00	0.00	
2,300.00	20.33	30.75	2,235.88	348.71	207.44	405.75	0.00	0.00	0.00	
2,400.00	20.33	30.75	2,329.65	378.58	225.21	440.50	0.00	0.00	0.00	
2,500.00	20.33	30.75	2,423.42	408.44	242.97	475.25	0.00	0.00	0.00	
2,600.00	20.33	30.75	2,517.19	438.31	260.74	510.00	0.00	0.00	0.00	
2,700.00	20.33	30.75	2,610.95	468.17	278.51	544.75	0.00	0.00	0.00	
2,800.00	20.33	30.75	2,704.72	498.03	296.27	579.50	0.00	0.00	0.00	
2,900.00	20.33	30.75	2,798.49	527.90	314.04	614.25	0.00	0.00	0.00	
3,000.00	20.33	30.75	2,892.26	557.76	331.80	649.00	0.00	0.00	0.00	
3,100.00	20.33	30.75	2,986.03	587.63	349.57	683.74	0.00	0.00	0.00	
3,200.00	20.33	30.75	3,079.79	617.49	367.34	718.49	0.00	0.00	0.00	
3,300.00	20.33	30.75	3,173.56	647.36	385.10	753.24	0.00	0.00	0.00	
3,400.00	20.33	30.75	3,267.33	677.22	402.87	787.99	0.00	0.00	0.00	
3,500.00	20.33	30.75	3,361.10	707.09	420.63	822.74	0.00	0.00	0.00	
3,586.99	20.33	30.75	3,442.66	733.07	436.09	852.97	0.00	0.00	0.00	
3,600.00	20.14	30.75	3,454.88	736.93	438.39	857.47	1.50	-1.50	0.00	
3,700.00	18.64	30.75	3,549.20	765.46	455.36	890.67	1.50	-1.50	0.00	
3,800.00	17.14	30.75	3,644.36	791.86	471.07	921.38	1.50	-1.50	0.00	
3,900.00	15.64	30.75	3,740.30	816.11	485.49	949.60	1.50	-1.50	0.00	
4,000.00	14.14	30.75	3,836.94	838.19	498.63	975.29	1.50	-1.50	0.00	
4,100.00	12.64	30.75	3,934.22	858.09	510.46	998.45	1.50	-1.50	0.00	
4,200.00	11.14	30.75	4,032.07	875.80	521.00	1,019.05	1.50	-1.50	0.00	
4,300.00	9.64	30.75	4,130.43	891.30	530.22	1,037.08	1.50	-1.50	0.00	
4,400.00	8.14	30.75	4,229.22	904.58	538.12	1,052.53	1.50	-1.50	0.00	
4,500.00	6.64	30.75	4,328.39	915.63	544.69	1,065.39	1.50	-1.50	0.00	
4,600.00	5.14	30.75	4,427.86	924.45	549.94	1,075.65	1.50	-1.50	0.00	
4,700.00	3.64	30.75	4,527.56	931.02	553.85	1,083.31	1.50	-1.50	0.00	
4,800.00	2.14	30.75	4,627.43	935.36	556.43	1,088.35	1.50	-1.50	0.00	
4,900.00	0.64	30.75	4,727.40	937.44	557.66	1,090.77	1.50	-1.50	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 13A-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)
4,942.60	0.00	0.00	4,770.00	937.64	557.79	1,091.01	1.50	-1.50	0.00
5,000.00	0.00	0.00	4,827.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,100.00	0.00	0.00	4,927.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,200.00	0.00	0.00	5,027.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,300.00	0.00	0.00	5,127.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,400.00	0.00	0.00	5,227.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,500.00	0.00	0.00	5,327.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,600.00	0.00	0.00	5,427.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,700.00	0.00	0.00	5,527.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,800.00	0.00	0.00	5,627.40	937.64	557.79	1,091.01	0.00	0.00	0.00
5,900.00	0.00	0.00	5,727.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,000.00	0.00	0.00	5,827.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,100.00	0.00	0.00	5,927.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,200.00	0.00	0.00	6,027.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,300.00	0.00	0.00	6,127.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,400.00	0.00	0.00	6,227.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,500.00	0.00	0.00	6,327.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,600.00	0.00	0.00	6,427.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,700.00	0.00	0.00	6,527.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,800.00	0.00	0.00	6,627.40	937.64	557.79	1,091.01	0.00	0.00	0.00
6,900.00	0.00	0.00	6,727.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,000.00	0.00	0.00	6,827.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,100.00	0.00	0.00	6,927.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,200.00	0.00	0.00	7,027.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,300.00	0.00	0.00	7,127.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,400.00	0.00	0.00	7,227.40	937.64	557.79	1,091.01	0.00	0.00	0.00
7,442.60	0.00	0.00	7,270.00	937.64	557.79	1,091.01	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

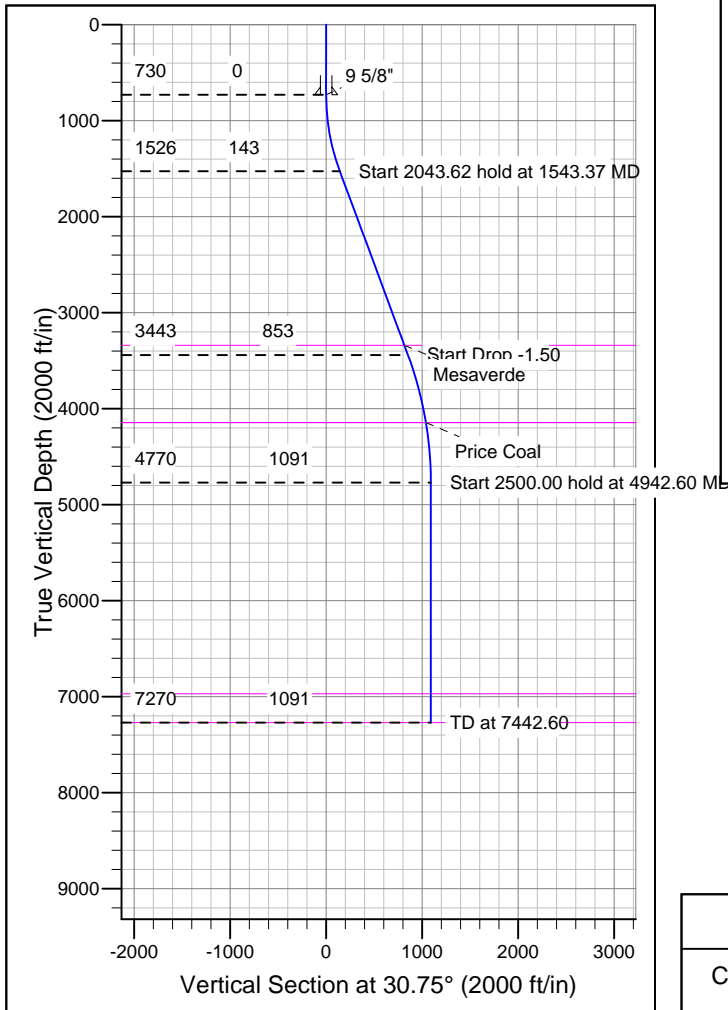
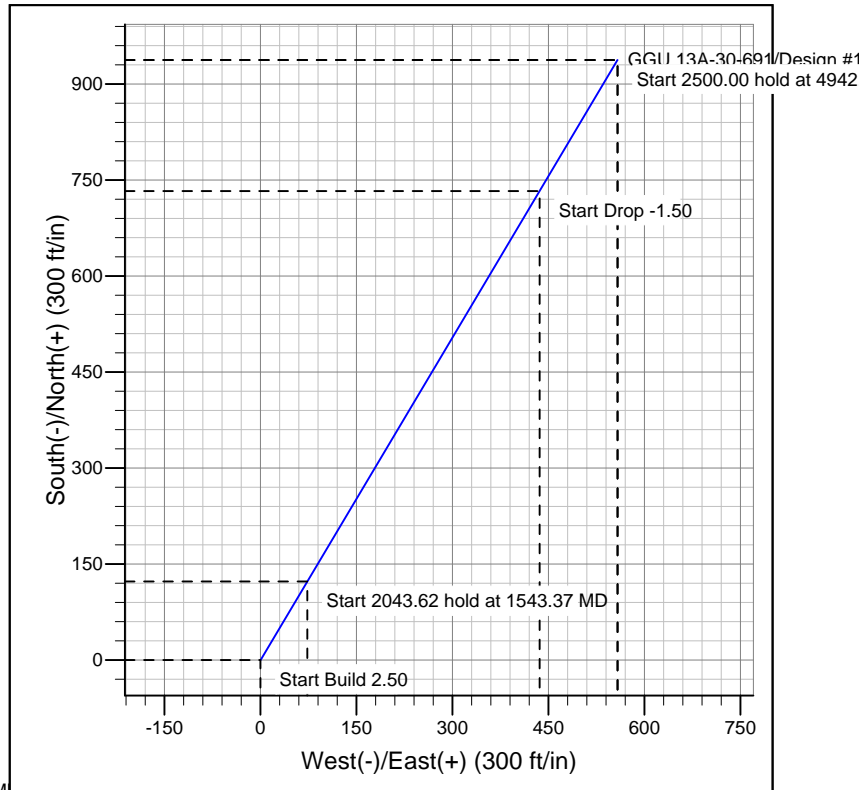
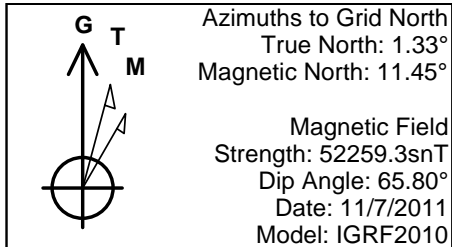
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,477.50	3,340.00	Mesaverde		0.00	
4,314.78	4,145.00	Top Gas		0.00	
4,314.78	4,145.00	Price Coal		0.00	
7,142.60	6,970.00	Rollins		0.00	
7,442.60	7,270.00	TD		0.00	

WELL DETAILS: GGU 13A-30-691

+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1611135.322	Easting	2405846.656	Latitude	Longitude
				39° 29' 32.780 N	07° 36' 19.8432 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	1543.37	20.33	30.75	1526.40	122.75	73.02	2.50	30.75	142.82	
4	3586.99	20.33	30.75	3442.66	733.07	436.09	0.00	0.00	852.97	
5	4942.60	0.00	0.00	4770.00	937.64	557.79	1.50	180.00	1091.01	
6	7442.60	0.00	0.00	7270.00	937.64	557.79	0.00	0.00	1091.01	GGU 13A-30-691 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3340.00	3477.50	Mesaverde
4145.00	4314.78	Price Coal
4145.00	4314.78	Top Gas
6970.00	7142.60	Rollins
7270.00	7442.60	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU 13A-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