

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Scott Pad 41C-36-692

GGU 24A-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 24A-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 24A-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 24A-30-691		
Well Position	+N/-S	15.41 ft	Northing:
	+E/-W	10.80 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 32.463 N
			Longitude:
			107° 36' 19.8540 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	100.80

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	
2,178.42	36.21	100.80	2,083.91	-82.94	434.82	2.50	2.50	0.00	100.80	
2,648.86	36.21	100.80	2,463.48	-135.02	707.81	0.00	0.00	0.00	0.00	
5,062.90	0.00	0.00	4,720.00	-273.26	1,432.52	1.50	-1.50	0.00	180.00	
7,562.90	0.00	0.00	7,220.00	-273.26	1,432.52	0.00	0.00	0.00	0.00	

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Site:	Scott Pad 41C-36-692	North Reference:	Grid
Well:	GGU 24A-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	100.80	799.99	-0.20	1.05	1.07	2.50	2.50	0.00	
900.00	4.25	100.80	899.84	-1.18	6.19	6.30	2.50	2.50	0.00	
1,000.00	6.75	100.80	999.38	-2.98	15.60	15.89	2.50	2.50	0.00	
1,100.00	9.25	100.80	1,098.39	-5.58	29.27	29.80	2.50	2.50	0.00	
1,200.00	11.75	100.80	1,196.71	-9.00	47.17	48.02	2.50	2.50	0.00	
1,300.00	14.25	100.80	1,294.14	-13.21	69.27	70.52	2.50	2.50	0.00	
1,400.00	16.75	100.80	1,390.50	-18.22	95.52	97.24	2.50	2.50	0.00	
1,500.00	19.25	100.80	1,485.60	-24.01	125.87	128.14	2.50	2.50	0.00	
1,600.00	21.75	100.80	1,579.26	-30.57	160.27	163.16	2.50	2.50	0.00	
1,700.00	24.25	100.80	1,671.30	-37.89	198.64	202.23	2.50	2.50	0.00	
1,800.00	26.75	100.80	1,761.55	-45.96	240.93	245.27	2.50	2.50	0.00	
1,900.00	29.25	100.80	1,849.84	-54.75	287.04	292.22	2.50	2.50	0.00	
2,000.00	31.75	100.80	1,935.99	-64.26	336.89	342.97	2.50	2.50	0.00	
2,100.00	34.25	100.80	2,019.85	-74.47	390.39	397.43	2.50	2.50	0.00	
2,178.42	36.21	100.80	2,083.91	-82.94	434.82	442.66	2.50	2.50	0.00	
2,200.00	36.21	100.80	2,101.32	-85.33	447.34	455.41	0.00	0.00	0.00	
2,300.00	36.21	100.80	2,182.00	-96.40	505.37	514.49	0.00	0.00	0.00	
2,400.00	36.21	100.80	2,262.69	-107.47	563.40	573.56	0.00	0.00	0.00	
2,500.00	36.21	100.80	2,343.38	-118.54	621.43	632.64	0.00	0.00	0.00	
2,600.00	36.21	100.80	2,424.06	-129.61	679.46	691.71	0.00	0.00	0.00	
2,648.86	36.21	100.80	2,463.48	-135.02	707.81	720.58	0.00	0.00	0.00	
2,700.00	35.44	100.80	2,504.95	-140.63	737.22	750.51	1.50	-1.50	0.00	
2,800.00	33.94	100.80	2,587.17	-151.29	793.13	807.43	1.50	-1.50	0.00	
2,900.00	32.44	100.80	2,670.85	-161.55	846.90	862.17	1.50	-1.50	0.00	
3,000.00	30.94	100.80	2,755.93	-171.39	898.51	914.71	1.50	-1.50	0.00	
3,100.00	29.44	100.80	2,842.36	-180.82	947.91	965.00	1.50	-1.50	0.00	
3,200.00	27.94	100.80	2,930.08	-189.81	995.07	1,013.01	1.50	-1.50	0.00	
3,300.00	26.44	100.80	3,019.02	-198.37	1,039.96	1,058.71	1.50	-1.50	0.00	
3,400.00	24.94	100.80	3,109.13	-206.50	1,082.54	1,102.06	1.50	-1.50	0.00	
3,500.00	23.44	100.80	3,200.35	-214.18	1,122.80	1,143.04	1.50	-1.50	0.00	
3,600.00	21.94	100.80	3,292.60	-221.41	1,160.69	1,181.62	1.50	-1.50	0.00	
3,700.00	20.44	100.80	3,385.84	-228.18	1,196.20	1,217.77	1.50	-1.50	0.00	
3,800.00	18.94	100.80	3,479.98	-234.49	1,229.30	1,251.47	1.50	-1.50	0.00	
3,900.00	17.44	100.80	3,574.98	-240.34	1,259.97	1,282.69	1.50	-1.50	0.00	
4,000.00	15.94	100.80	3,670.77	-245.73	1,288.19	1,311.42	1.50	-1.50	0.00	
4,100.00	14.44	100.80	3,767.27	-250.64	1,313.93	1,337.62	1.50	-1.50	0.00	
4,200.00	12.94	100.80	3,864.42	-255.07	1,337.18	1,361.30	1.50	-1.50	0.00	
4,300.00	11.44	100.80	3,962.16	-259.03	1,357.93	1,382.42	1.50	-1.50	0.00	
4,400.00	9.94	100.80	4,060.42	-262.51	1,376.16	1,400.97	1.50	-1.50	0.00	
4,500.00	8.44	100.80	4,159.14	-265.50	1,391.85	1,416.95	1.50	-1.50	0.00	
4,600.00	6.94	100.80	4,258.23	-268.01	1,405.00	1,430.33	1.50	-1.50	0.00	
4,700.00	5.44	100.80	4,357.65	-270.03	1,415.60	1,441.12	1.50	-1.50	0.00	
4,800.00	3.94	100.80	4,457.31	-271.56	1,423.64	1,449.30	1.50	-1.50	0.00	
4,900.00	2.44	100.80	4,557.15	-272.61	1,429.11	1,454.88	1.50	-1.50	0.00	

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Site:	Scott Pad 41C-36-692	North Reference:	Grid
Well:	GGU 24A-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)
5,000.00	0.94	100.80	4,657.10	-273.16	1,432.01	1,457.83	1.50	-1.50	0.00
5,062.90	0.00	0.00	4,720.00	-273.26	1,432.52	1,458.35	1.50	-1.50	0.00
5,100.00	0.00	0.00	4,757.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,200.00	0.00	0.00	4,857.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,300.00	0.00	0.00	4,957.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,400.00	0.00	0.00	5,057.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,500.00	0.00	0.00	5,157.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,600.00	0.00	0.00	5,257.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,700.00	0.00	0.00	5,357.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,800.00	0.00	0.00	5,457.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
5,900.00	0.00	0.00	5,557.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,000.00	0.00	0.00	5,657.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,100.00	0.00	0.00	5,757.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,200.00	0.00	0.00	5,857.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,300.00	0.00	0.00	5,957.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,400.00	0.00	0.00	6,057.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,500.00	0.00	0.00	6,157.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,600.00	0.00	0.00	6,257.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,700.00	0.00	0.00	6,357.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,800.00	0.00	0.00	6,457.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
6,900.00	0.00	0.00	6,557.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,000.00	0.00	0.00	6,657.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,100.00	0.00	0.00	6,757.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,200.00	0.00	0.00	6,857.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,300.00	0.00	0.00	6,957.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,400.00	0.00	0.00	7,057.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,500.00	0.00	0.00	7,157.10	-273.26	1,432.52	1,458.35	0.00	0.00	0.00
7,562.90	0.00	0.00	7,220.00	-273.26	1,432.52	1,458.35	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

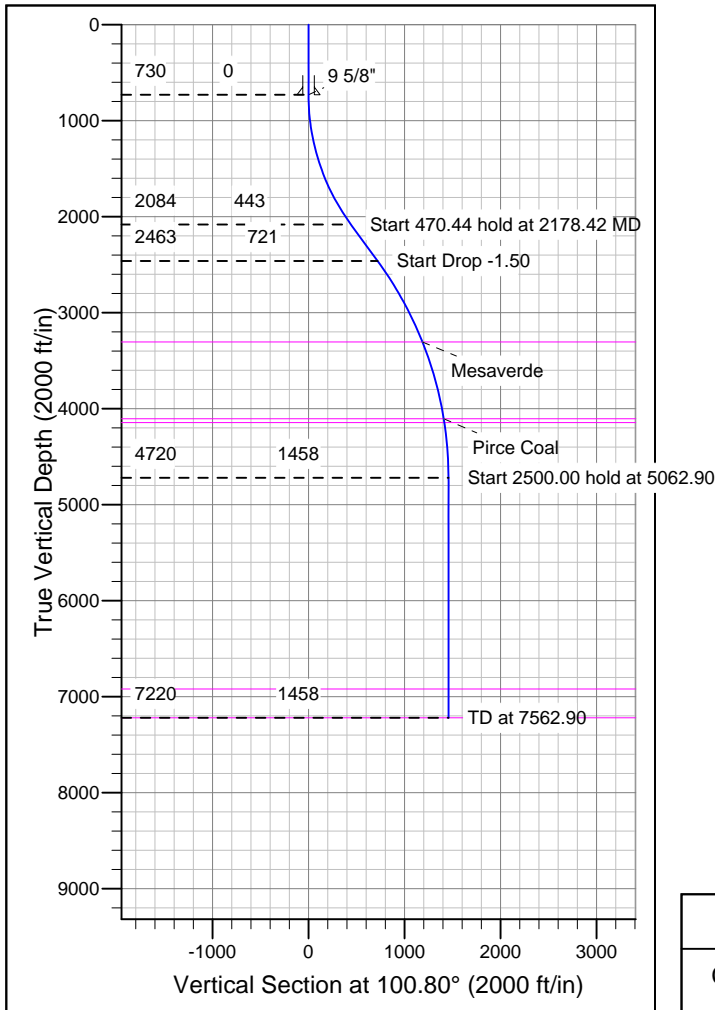
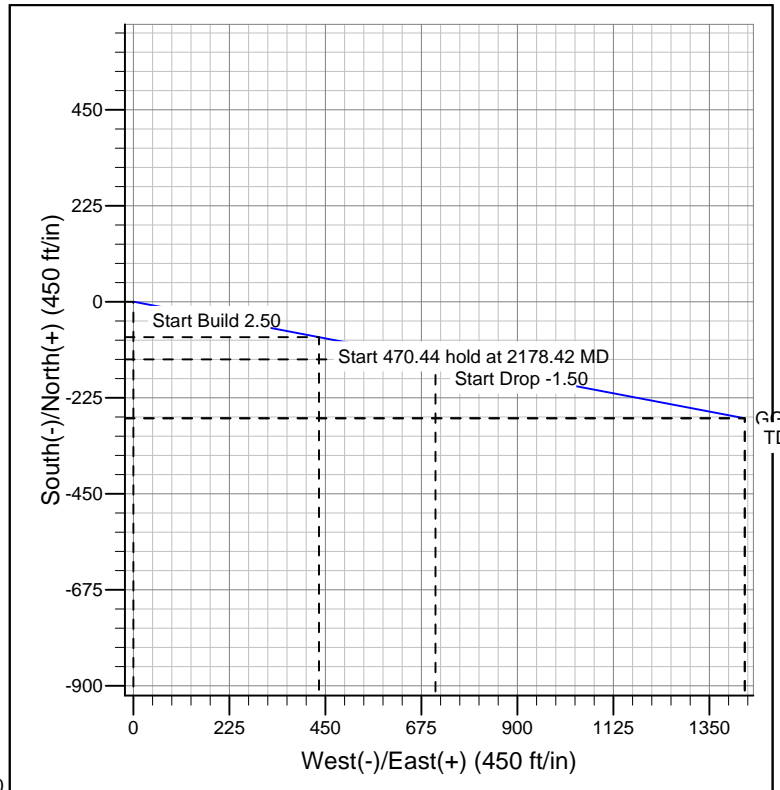
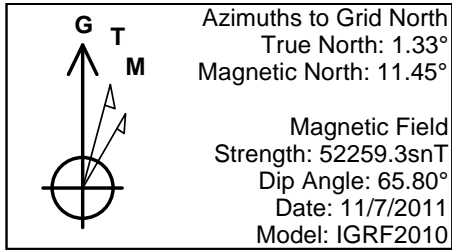
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,613.36	3,305.00	Mesaverde		0.00	
4,445.21	4,105.00	Pirce Coal		0.00	
4,485.70	4,145.00	Top Gas		0.00	
7,262.90	6,920.00	Rollins		0.00	
7,562.90	7,220.00	TD		0.00	

WELL DETAILS: GGU 24A-30-691

+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1611103.298	Easting	2405845.067	Latitude	Longitude
				39° 29' 32.463 N	07° 36' 19.8540 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	2178.42	36.21	100.80	2083.91	-82.94	434.82	2.50	100.80	442.66	
4	2648.86	36.21	100.80	2463.48	-135.02	707.81	0.00	0.00	720.58	
5	5062.90	0.00	0.00	4720.00	-273.26	1432.52	1.50	180.00	1458.35	
6	7562.90	0.00	0.00	7220.00	-273.26	1432.52	0.00	0.00	1458.35	GGU 24A-30-691 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3305.00	3613.36	Mesaverde
4105.00	4445.21	Pirce Coal
4145.00	4485.70	Top Gas
6920.00	7262.90	Rollins
7220.00	7562.90	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU 24A-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