

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 24B-23-692

Wellbore #1

Plan: Design #1

Standard Planning Report

28 June, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 24B-23-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5853.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5853.00ft (Original Well Elev)
Site:	Epperly NWSW-23-692	North Reference:	True
Well:	Epperly 24B-23-692	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	Epperly NWSW-23-692		
Site Position:		Northing:	1,618,446.580 ft
From:	Lat/Long	Easting:	2,396,102.855 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 42.772 N
		Longitude:	107° 38' 26.3004 W
		Grid Convergence:	-1.35 °

Well	Epperly 24B-23-692		
Well Position	+N/-S	-48.45 ft	Northing:
	+E/-W	10.72 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 42.293 N
			Longitude:
			107° 38' 26.1636 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.36	65.87	52,481

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	148.30

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	
2,391.53	40.91	148.30	2,255.96	-476.38	294.17	2.50	2.50	0.00	148.30	
3,440.15	40.91	148.30	3,048.40	-1,060.71	655.00	0.00	0.00	0.00	0.00	
6,167.71	0.00	0.00	5,550.00	-1,854.69	1,145.28	1.50	-1.50	0.00	180.00	
8,167.71	0.00	0.00	7,550.00	-1,854.69	1,145.28	0.00	0.00	0.00	0.00	Epperly 24B-23-692

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Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 24B-23-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5853.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5853.00ft (Original Well Elev)
Site:	Epperly NWSW-23-692	North Reference:	True
Well:	Epperly 24B-23-692	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	
800.00	1.12	148.30	800.00	-0.38	0.23	0.44	2.50	2.50	0.00	
900.00	3.62	148.30	899.90	-3.90	2.41	4.59	2.50	2.50	0.00	
1,000.00	6.12	148.30	999.53	-11.13	6.87	13.08	2.50	2.50	0.00	
1,100.00	8.62	148.30	1,098.70	-22.05	13.62	25.92	2.50	2.50	0.00	
1,200.00	11.12	148.30	1,197.21	-36.64	22.63	43.07	2.50	2.50	0.00	
1,300.00	13.62	148.30	1,294.88	-54.88	33.89	64.50	2.50	2.50	0.00	
1,400.00	16.12	148.30	1,391.52	-76.72	47.37	90.16	2.50	2.50	0.00	
1,500.00	18.62	148.30	1,486.95	-102.12	63.06	120.02	2.50	2.50	0.00	
1,600.00	21.12	148.30	1,580.98	-131.05	80.92	154.02	2.50	2.50	0.00	
1,700.00	23.62	148.30	1,673.45	-163.43	100.92	192.08	2.50	2.50	0.00	
1,800.00	26.12	148.30	1,764.16	-199.22	123.02	234.14	2.50	2.50	0.00	
1,900.00	28.62	148.30	1,852.96	-238.34	147.18	280.12	2.50	2.50	0.00	
2,000.00	31.12	148.30	1,939.66	-280.72	173.35	329.93	2.50	2.50	0.00	
2,100.00	33.62	148.30	2,024.11	-326.28	201.48	383.47	2.50	2.50	0.00	
2,200.00	36.12	148.30	2,106.15	-374.92	231.52	440.64	2.50	2.50	0.00	
2,300.00	38.62	148.30	2,185.61	-426.57	263.41	501.34	2.50	2.50	0.00	
2,391.53	40.91	148.30	2,255.96	-476.38	294.17	559.89	2.50	2.50	0.00	
2,400.00	40.91	148.30	2,262.36	-481.10	297.08	565.44	0.00	0.00	0.00	
2,500.00	40.91	148.30	2,337.93	-536.83	331.49	630.93	0.00	0.00	0.00	
2,600.00	40.91	148.30	2,413.50	-592.55	365.90	696.42	0.00	0.00	0.00	
2,700.00	40.91	148.30	2,489.07	-648.27	400.31	761.91	0.00	0.00	0.00	
2,800.00	40.91	148.30	2,564.64	-704.00	434.72	827.40	0.00	0.00	0.00	
2,900.00	40.91	148.30	2,640.21	-759.72	469.13	892.89	0.00	0.00	0.00	
3,000.00	40.91	148.30	2,715.78	-815.44	503.54	958.39	0.00	0.00	0.00	
3,100.00	40.91	148.30	2,791.35	-871.17	537.95	1,023.88	0.00	0.00	0.00	
3,200.00	40.91	148.30	2,866.92	-926.89	572.36	1,089.37	0.00	0.00	0.00	
3,300.00	40.91	148.30	2,942.49	-982.61	606.77	1,154.86	0.00	0.00	0.00	
3,400.00	40.91	148.30	3,018.06	-1,038.34	641.18	1,220.35	0.00	0.00	0.00	
3,440.15	40.91	148.30	3,048.40	-1,060.71	655.00	1,246.65	0.00	0.00	0.00	
3,500.00	40.02	148.30	3,093.93	-1,093.76	675.40	1,285.49	1.50	-1.50	0.00	
3,600.00	38.52	148.30	3,171.35	-1,147.61	708.66	1,348.78	1.50	-1.50	0.00	
3,700.00	37.02	148.30	3,250.40	-1,199.72	740.83	1,410.02	1.50	-1.50	0.00	
3,800.00	35.52	148.30	3,331.03	-1,250.05	771.91	1,469.17	1.50	-1.50	0.00	
3,900.00	34.02	148.30	3,413.18	-1,298.56	801.87	1,526.19	1.50	-1.50	0.00	
4,000.00	32.52	148.30	3,496.79	-1,345.23	830.69	1,581.04	1.50	-1.50	0.00	
4,100.00	31.02	148.30	3,581.81	-1,390.02	858.35	1,633.68	1.50	-1.50	0.00	
4,200.00	29.52	148.30	3,668.17	-1,432.90	884.83	1,684.08	1.50	-1.50	0.00	
4,300.00	28.02	148.30	3,755.83	-1,473.85	910.11	1,732.20	1.50	-1.50	0.00	
4,400.00	26.52	148.30	3,844.72	-1,512.83	934.18	1,778.01	1.50	-1.50	0.00	
4,500.00	25.02	148.30	3,934.77	-1,549.81	957.02	1,821.48	1.50	-1.50	0.00	
4,600.00	23.52	148.30	4,025.94	-1,584.78	978.61	1,862.58	1.50	-1.50	0.00	
4,700.00	22.02	148.30	4,118.14	-1,617.70	998.94	1,901.27	1.50	-1.50	0.00	
4,800.00	20.52	148.30	4,211.33	-1,648.56	1,018.00	1,937.54	1.50	-1.50	0.00	
4,900.00	19.02	148.30	4,305.44	-1,677.33	1,035.76	1,971.36	1.50	-1.50	0.00	

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5853.00ft (Original Well Elev)
Site:	Epperly NWSW-23-692	North Reference:	True
Well:	Epperly 24B-23-692	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	17.52	148.30	4,400.40	-1,704.00	1,052.23	2,002.70	1.50	-1.50	0.00
5,100.00	16.02	148.30	4,496.14	-1,728.54	1,067.39	2,031.54	1.50	-1.50	0.00
5,200.00	14.52	148.30	4,592.61	-1,750.94	1,081.22	2,057.87	1.50	-1.50	0.00
5,300.00	13.02	148.30	4,689.74	-1,771.19	1,093.72	2,081.67	1.50	-1.50	0.00
5,400.00	11.52	148.30	4,787.45	-1,789.26	1,104.88	2,102.91	1.50	-1.50	0.00
5,500.00	10.02	148.30	4,885.69	-1,805.16	1,114.70	2,121.59	1.50	-1.50	0.00
5,600.00	8.52	148.30	4,984.38	-1,818.86	1,123.16	2,137.69	1.50	-1.50	0.00
5,700.00	7.02	148.30	5,083.46	-1,830.35	1,130.25	2,151.20	1.50	-1.50	0.00
5,800.00	5.52	148.30	5,182.86	-1,839.64	1,135.99	2,162.11	1.50	-1.50	0.00
5,900.00	4.02	148.30	5,282.51	-1,846.71	1,140.35	2,170.42	1.50	-1.50	0.00
6,000.00	2.52	148.30	5,382.35	-1,851.55	1,143.35	2,176.12	1.50	-1.50	0.00
6,100.00	1.02	148.30	5,482.30	-1,854.17	1,144.97	2,179.20	1.50	-1.50	0.00
6,167.71	0.00	0.00	5,550.00	-1,854.69	1,145.28	2,179.80	1.50	-1.50	0.00
6,200.00	0.00	0.00	5,582.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,300.00	0.00	0.00	5,682.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,400.00	0.00	0.00	5,782.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,500.00	0.00	0.00	5,882.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,600.00	0.00	0.00	5,982.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,700.00	0.00	0.00	6,082.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,800.00	0.00	0.00	6,182.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
6,900.00	0.00	0.00	6,282.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,000.00	0.00	0.00	6,382.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,100.00	0.00	0.00	6,482.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,200.00	0.00	0.00	6,582.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,300.00	0.00	0.00	6,682.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,400.00	0.00	0.00	6,782.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,500.00	0.00	0.00	6,882.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,600.00	0.00	0.00	6,982.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,700.00	0.00	0.00	7,082.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,800.00	0.00	0.00	7,182.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
7,900.00	0.00	0.00	7,282.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
8,000.00	0.00	0.00	7,382.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
8,100.00	0.00	0.00	7,482.29	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00
8,167.71	0.00	0.00	7,550.00	-1,854.69	1,145.28	2,179.80	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
820.00	819.99	9 5/8"	9-5/8	12-1/4

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 24B-23-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5853.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5853.00ft (Original Well Elev)
Site:	Epperly NWSW-23-692	North Reference:	True
Well:	Epperly 24B-23-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

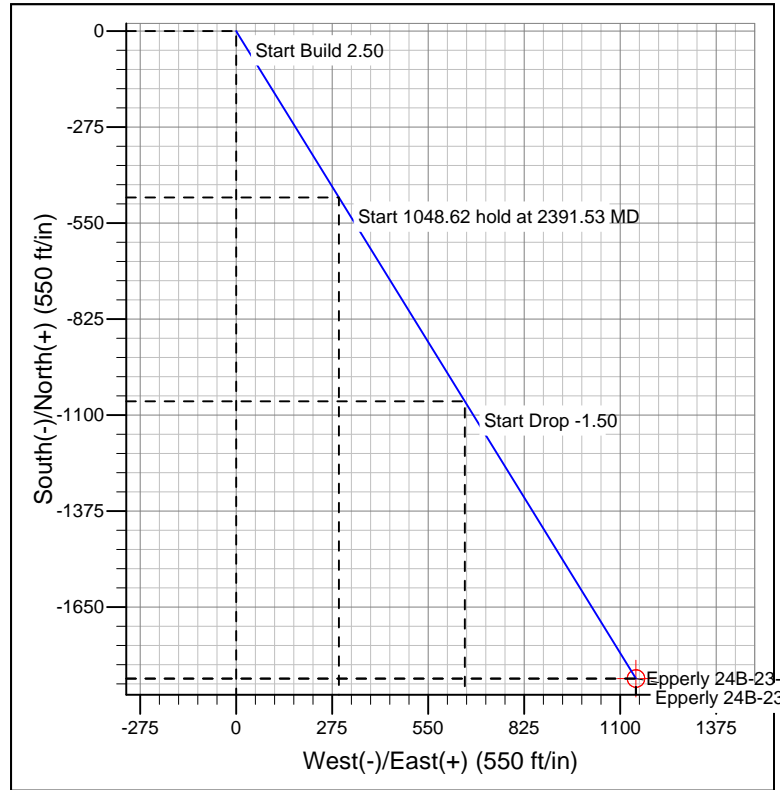
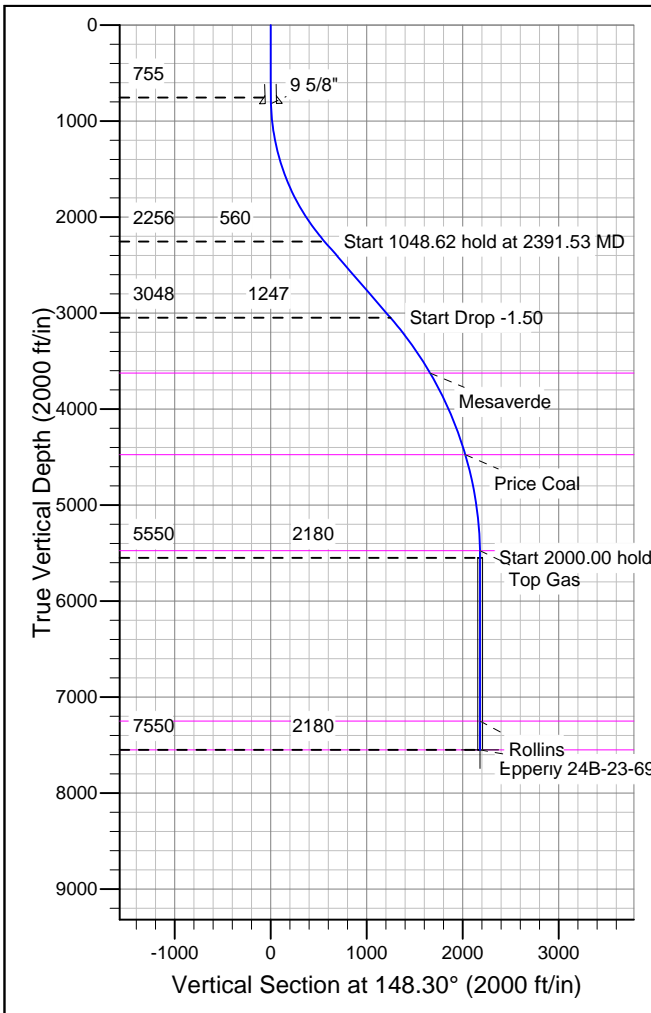
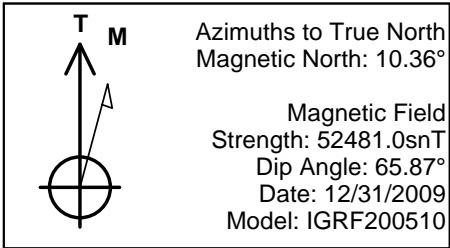
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,150.20	3,625.00	Mesaverde		0.00	
5,077.99	4,475.00	Price Coal		0.00	
6,092.70	5,475.00	Top Gas		0.00	
7,867.71	7,250.00	Rollins		0.00	
8,167.71	7,550.00	TD		0.00	

WELL DETAILS: Epperly 24B-23-692

Ground Level: 0.00							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1618397.888	2396112.432	39° 30' 42.293 N	107° 38' 26.1636 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	755.00	0.00	0.00	755.00	0.00	0.00	0.00	0.00	0.00	
3	2391.53	40.91	148.30	2255.96	-476.38	294.17	2.50	148.30	559.89	
4	3440.15	40.91	148.30	3048.40	-1060.71	655.00	0.00	0.00	1246.65	
5	6167.71	0.00	0.00	5550.00	-1854.69	1145.28	1.50	180.00	2179.80	
6	8167.71	0.00	0.00	7550.00	-1854.69	1145.28	0.00	0.00	2179.80	Epperly 24B-23-692 (TD)

WELLBORE TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
Epperly 24B-23-692 (TD)	7550.00	-1854.69	1145.28	Circle (Radius: 25.00)	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3625.00	4150.20	Mesaverde
4475.00	5077.99	Price Coal
5475.00	6092.70	Top Gas
7250.00	7867.71	Rollins
7550.00	8167.71	TD

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Epperly 24B-23-692, True North
Vertical (TVD) Reference:	WELL @ 5853.00ft (Original Well Elev)
Section (VS) Reference:	Slot - (0.00N, 0.00E)
Measured Depth Reference:	WELL @ 5853.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature