

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 14B-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 14B-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 14B-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 14B-23-692		
Well Position	+N/-S	-48.82 ft	Northing:
	+E/-W	0.56 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

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	185.29

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	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,025.03	31.63	185.29	1,961.76	-338.90	-31.40	2.50	2.50	0.00	185.29	
3,886.82	31.63	185.29	3,547.07	-1,311.00	-121.47	0.00	0.00	0.00	0.00	
5,995.20	0.00	0.00	5,550.00	-1,875.84	-173.81	1.50	-1.50	0.00	180.00	
7,995.20	0.00	0.00	7,550.00	-1,875.84	-173.81	0.00	0.00	0.00	0.00	Epperly 14B-23-692

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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 14B-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
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	1.00	185.29	800.00	-0.35	-0.03	0.35	2.50	2.50	0.00
900.00	3.50	185.29	899.91	-4.26	-0.39	4.27	2.50	2.50	0.00
1,000.00	6.00	185.29	999.56	-12.50	-1.16	12.55	2.50	2.50	0.00
1,100.00	8.50	185.29	1,098.75	-25.07	-2.32	25.17	2.50	2.50	0.00
1,200.00	11.00	185.29	1,197.30	-41.93	-3.88	42.11	2.50	2.50	0.00
1,300.00	13.50	185.29	1,295.02	-63.05	-5.84	63.32	2.50	2.50	0.00
1,400.00	16.00	185.29	1,391.71	-88.40	-8.19	88.78	2.50	2.50	0.00
1,500.00	18.50	185.29	1,487.21	-117.93	-10.93	118.43	2.50	2.50	0.00
1,600.00	21.00	185.29	1,581.32	-151.57	-14.04	152.22	2.50	2.50	0.00
1,700.00	23.50	185.29	1,673.87	-189.27	-17.54	190.08	2.50	2.50	0.00
1,800.00	26.00	185.29	1,764.67	-230.96	-21.40	231.95	2.50	2.50	0.00
1,900.00	28.50	185.29	1,853.57	-276.55	-25.62	277.73	2.50	2.50	0.00
2,000.00	31.00	185.29	1,940.38	-325.95	-30.20	327.35	2.50	2.50	0.00
2,025.03	31.63	185.29	1,961.76	-338.90	-31.40	340.35	2.50	2.50	0.00
2,100.00	31.63	185.29	2,025.60	-378.05	-35.03	379.67	0.00	0.00	0.00
2,200.00	31.63	185.29	2,110.75	-430.26	-39.87	432.10	0.00	0.00	0.00
2,300.00	31.63	185.29	2,195.90	-482.47	-44.70	484.54	0.00	0.00	0.00
2,400.00	31.63	185.29	2,281.05	-534.69	-49.54	536.98	0.00	0.00	0.00
2,500.00	31.63	185.29	2,366.20	-586.90	-54.38	589.41	0.00	0.00	0.00
2,600.00	31.63	185.29	2,451.35	-639.11	-59.22	641.85	0.00	0.00	0.00
2,700.00	31.63	185.29	2,536.50	-691.33	-64.06	694.29	0.00	0.00	0.00
2,800.00	31.63	185.29	2,621.65	-743.54	-68.89	746.72	0.00	0.00	0.00
2,900.00	31.63	185.29	2,706.80	-795.75	-73.73	799.16	0.00	0.00	0.00
3,000.00	31.63	185.29	2,791.94	-847.96	-78.57	851.60	0.00	0.00	0.00
3,100.00	31.63	185.29	2,877.09	-900.18	-83.41	904.03	0.00	0.00	0.00
3,200.00	31.63	185.29	2,962.24	-952.39	-88.25	956.47	0.00	0.00	0.00
3,300.00	31.63	185.29	3,047.39	-1,004.60	-93.08	1,008.91	0.00	0.00	0.00
3,400.00	31.63	185.29	3,132.54	-1,056.82	-97.92	1,061.34	0.00	0.00	0.00
3,500.00	31.63	185.29	3,217.69	-1,109.03	-102.76	1,113.78	0.00	0.00	0.00
3,600.00	31.63	185.29	3,302.84	-1,161.24	-107.60	1,166.22	0.00	0.00	0.00
3,700.00	31.63	185.29	3,387.99	-1,213.46	-112.44	1,218.65	0.00	0.00	0.00
3,800.00	31.63	185.29	3,473.14	-1,265.67	-117.27	1,271.09	0.00	0.00	0.00
3,886.82	31.63	185.29	3,547.07	-1,311.00	-121.47	1,316.62	0.00	0.00	0.00
3,900.00	31.43	185.29	3,558.30	-1,317.86	-122.11	1,323.51	1.50	-1.50	0.00
4,000.00	29.93	185.29	3,644.30	-1,368.66	-126.82	1,374.53	1.50	-1.50	0.00
4,100.00	28.43	185.29	3,731.61	-1,417.21	-131.31	1,423.28	1.50	-1.50	0.00
4,200.00	26.93	185.29	3,820.17	-1,463.46	-135.60	1,469.73	1.50	-1.50	0.00
4,300.00	25.43	185.29	3,909.91	-1,507.38	-139.67	1,513.84	1.50	-1.50	0.00
4,400.00	23.93	185.29	4,000.77	-1,548.96	-143.52	1,555.59	1.50	-1.50	0.00
4,500.00	22.43	185.29	4,092.70	-1,588.15	-147.15	1,594.95	1.50	-1.50	0.00
4,600.00	20.93	185.29	4,185.62	-1,624.93	-150.56	1,631.89	1.50	-1.50	0.00
4,700.00	19.43	185.29	4,279.48	-1,659.27	-153.74	1,666.38	1.50	-1.50	0.00
4,800.00	17.93	185.29	4,374.21	-1,691.16	-156.70	1,698.40	1.50	-1.50	0.00
4,900.00	16.43	185.29	4,469.75	-1,720.57	-159.42	1,727.94	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 14B-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	14.93	185.29	4,566.03	-1,747.47	-161.92	1,754.96	1.50	-1.50	0.00
5,100.00	13.43	185.29	4,662.98	-1,771.86	-164.18	1,779.45	1.50	-1.50	0.00
5,200.00	11.93	185.29	4,760.54	-1,793.71	-166.20	1,801.40	1.50	-1.50	0.00
5,300.00	10.43	185.29	4,858.64	-1,813.02	-167.99	1,820.78	1.50	-1.50	0.00
5,400.00	8.93	185.29	4,957.21	-1,829.76	-169.54	1,837.59	1.50	-1.50	0.00
5,500.00	7.43	185.29	5,056.19	-1,843.92	-170.85	1,851.82	1.50	-1.50	0.00
5,600.00	5.93	185.29	5,155.51	-1,855.50	-171.93	1,863.45	1.50	-1.50	0.00
5,700.00	4.43	185.29	5,255.10	-1,864.48	-172.76	1,872.47	1.50	-1.50	0.00
5,800.00	2.93	185.29	5,354.89	-1,870.87	-173.35	1,878.88	1.50	-1.50	0.00
5,900.00	1.43	185.29	5,454.81	-1,874.65	-173.70	1,882.69	1.50	-1.50	0.00
5,995.20	0.00	0.00	5,550.00	-1,875.84	-173.81	1,883.87	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,554.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,100.00	0.00	0.00	5,654.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,200.00	0.00	0.00	5,754.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,300.00	0.00	0.00	5,854.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,400.00	0.00	0.00	5,954.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,500.00	0.00	0.00	6,054.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,600.00	0.00	0.00	6,154.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,700.00	0.00	0.00	6,254.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,800.00	0.00	0.00	6,354.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
6,900.00	0.00	0.00	6,454.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,000.00	0.00	0.00	6,554.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,100.00	0.00	0.00	6,654.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,200.00	0.00	0.00	6,754.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,300.00	0.00	0.00	6,854.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,400.00	0.00	0.00	6,954.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,500.00	0.00	0.00	7,054.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,600.00	0.00	0.00	7,154.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,700.00	0.00	0.00	7,254.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,800.00	0.00	0.00	7,354.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,900.00	0.00	0.00	7,454.80	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00
7,995.20	0.00	0.00	7,550.00	-1,875.84	-173.81	1,883.87	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
800.00	800.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,977.69	3,625.00	Meaverde		0.00	
4,905.47	4,475.00	Price Coal		0.00	
5,920.19	5,475.00	Top Gas		0.00	
7,695.20	7,250.00	Rollins		0.00	
7,995.20	7,550.00	TD		0.00	

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 14B-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 14B-23-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

WELL DETAILS: Epperly 14B-23-692

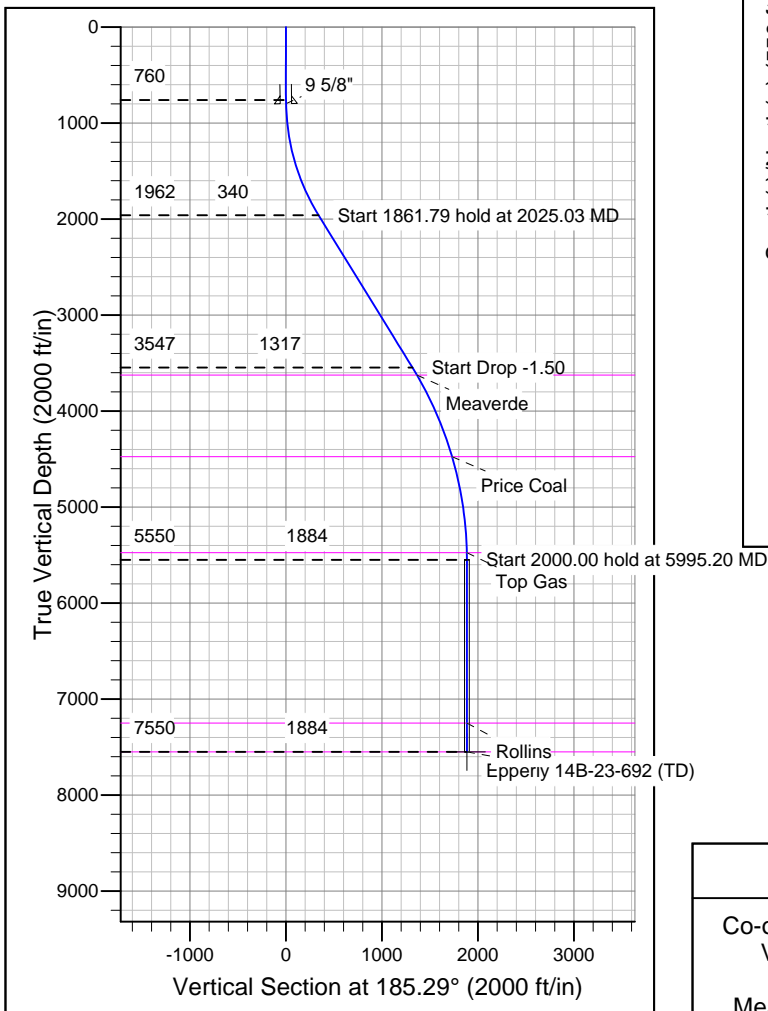
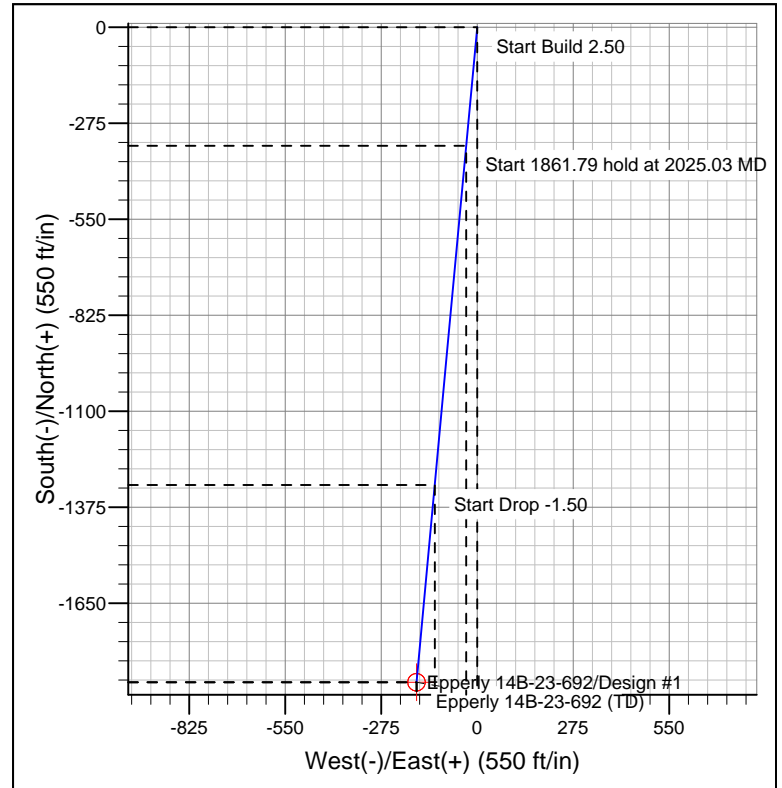
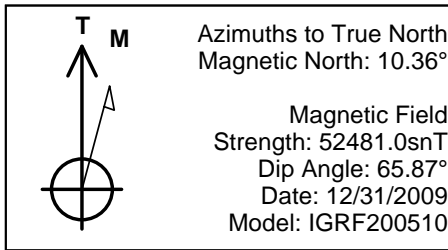
Ground Level: 0.00							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1618397.763	2396102.269	39° 30' 42.289 N	07° 38' 26.2932 W		

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	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
3	2025.03	31.63	185.29	1961.76	-338.90	-31.40	2.50	185.29	340.35	
4	3886.82	31.63	185.29	3547.07	-1311.00	-121.47	0.00	0.00	1316.62	
5	5995.20	0.00	0.00	5550.00	-1875.84	-173.81	1.50	180.00	1883.87	
6	7995.20	0.00	0.00	7550.00	-1875.84	-173.81	0.00	0.00	1883.87	Epperly 14B-23-692 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 14B-23-692 (TD)	-1875.84	-1875.84	-173.81	Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3625.00	3977.69	Meaverde
4475.00	4905.47	Price Coal
5475.00	5920.19	Top Gas
7250.00	7695.20	Rollins
7550.00	7995.20	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Epperly 14B-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