

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 24D-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 24D-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 24D-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	Latitude: 39° 30' 42.772 N
From:	Lat/Long	Easting:	2,396,102.855 ft	Longitude: 107° 38' 26.3004 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence: -1.35 "

Well	Epperly 24D-23-692			
Well Position	+N/-S	-40.44 ft	Northing:	1,618,405.906 ft
	+E/-W	10.44 ft	Easting:	2,396,112.339 ft
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft
			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	136.42

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	
1,793.47	25.84	136.42	1,758.80	-165.95	157.93	2.50	2.50	0.00	136.42	
4,183.96	25.84	136.42	3,910.34	-920.64	876.11	0.00	0.00	0.00	0.00	
5,906.41	0.00	0.00	5,575.00	-1,197.23	1,139.33	1.50	-1.50	0.00	180.00	
7,906.41	0.00	0.00	7,575.00	-1,197.23	1,139.33	0.00	0.00	0.00	0.00	Epperly 24D-23-692

Bill Barrett Corp

Planning Report

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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 24D-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	136.42	800.00	-0.25	0.24	0.35	2.50	2.50	0.00
900.00	3.50	136.42	899.91	-3.10	2.95	4.27	2.50	2.50	0.00
1,000.00	6.00	136.42	999.56	-9.09	8.65	12.55	2.50	2.50	0.00
1,100.00	8.50	136.42	1,098.75	-18.24	17.35	25.17	2.50	2.50	0.00
1,200.00	11.00	136.42	1,197.30	-30.50	29.03	42.11	2.50	2.50	0.00
1,300.00	13.50	136.42	1,295.02	-45.87	43.65	63.32	2.50	2.50	0.00
1,400.00	16.00	136.42	1,391.71	-64.31	61.20	88.78	2.50	2.50	0.00
1,500.00	18.50	136.42	1,487.21	-85.79	81.64	118.43	2.50	2.50	0.00
1,600.00	21.00	136.42	1,581.32	-110.27	104.94	152.22	2.50	2.50	0.00
1,700.00	23.50	136.42	1,673.87	-137.70	131.04	190.08	2.50	2.50	0.00
1,793.47	25.84	136.42	1,758.80	-165.95	157.93	229.09	2.50	2.50	0.00
1,800.00	25.84	136.42	1,764.68	-168.02	159.89	231.94	0.00	0.00	0.00
1,900.00	25.84	136.42	1,854.68	-199.59	189.93	275.52	0.00	0.00	0.00
2,000.00	25.84	136.42	1,944.68	-231.16	219.98	319.10	0.00	0.00	0.00
2,100.00	25.84	136.42	2,034.69	-262.73	250.02	362.68	0.00	0.00	0.00
2,200.00	25.84	136.42	2,124.69	-294.30	280.06	406.26	0.00	0.00	0.00
2,300.00	25.84	136.42	2,214.70	-325.87	310.11	449.84	0.00	0.00	0.00
2,400.00	25.84	136.42	2,304.70	-357.44	340.15	493.42	0.00	0.00	0.00
2,500.00	25.84	136.42	2,394.71	-389.01	370.19	537.00	0.00	0.00	0.00
2,600.00	25.84	136.42	2,484.71	-420.58	400.24	580.58	0.00	0.00	0.00
2,700.00	25.84	136.42	2,574.71	-452.15	430.28	624.16	0.00	0.00	0.00
2,800.00	25.84	136.42	2,664.72	-483.72	460.32	667.74	0.00	0.00	0.00
2,900.00	25.84	136.42	2,754.72	-515.29	490.37	711.32	0.00	0.00	0.00
3,000.00	25.84	136.42	2,844.73	-546.86	520.41	754.91	0.00	0.00	0.00
3,100.00	25.84	136.42	2,934.73	-578.43	550.45	798.49	0.00	0.00	0.00
3,200.00	25.84	136.42	3,024.73	-610.00	580.50	842.07	0.00	0.00	0.00
3,300.00	25.84	136.42	3,114.74	-641.57	610.54	885.65	0.00	0.00	0.00
3,400.00	25.84	136.42	3,204.74	-673.14	640.58	929.23	0.00	0.00	0.00
3,500.00	25.84	136.42	3,294.75	-704.71	670.63	972.81	0.00	0.00	0.00
3,600.00	25.84	136.42	3,384.75	-736.28	700.67	1,016.39	0.00	0.00	0.00
3,700.00	25.84	136.42	3,474.75	-767.85	730.71	1,059.97	0.00	0.00	0.00
3,800.00	25.84	136.42	3,564.76	-799.42	760.76	1,103.55	0.00	0.00	0.00
3,900.00	25.84	136.42	3,654.76	-830.99	790.80	1,147.13	0.00	0.00	0.00
4,000.00	25.84	136.42	3,744.77	-862.56	820.84	1,190.71	0.00	0.00	0.00
4,100.00	25.84	136.42	3,834.77	-894.13	850.89	1,234.29	0.00	0.00	0.00
4,183.96	25.84	136.42	3,910.34	-920.64	876.11	1,270.88	0.00	0.00	0.00
4,200.00	25.60	136.42	3,924.79	-925.68	880.91	1,277.84	1.50	-1.50	0.00
4,300.00	24.10	136.42	4,015.53	-956.12	909.87	1,319.86	1.50	-1.50	0.00
4,400.00	22.60	136.42	4,107.34	-984.82	937.19	1,359.49	1.50	-1.50	0.00
4,500.00	21.10	136.42	4,200.16	-1,011.78	962.84	1,396.70	1.50	-1.50	0.00
4,600.00	19.60	136.42	4,293.91	-1,036.96	986.81	1,431.46	1.50	-1.50	0.00
4,700.00	18.10	136.42	4,388.55	-1,060.36	1,009.08	1,463.77	1.50	-1.50	0.00
4,800.00	16.60	136.42	4,484.00	-1,081.96	1,029.63	1,493.58	1.50	-1.50	0.00
4,900.00	15.10	136.42	4,580.20	-1,101.74	1,048.45	1,520.88	1.50	-1.50	0.00

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Company: BILL BARRETT CORP
Project: GARFIELD COUNTY, COLORADO NAD 1983
Site: Epperly NWSW-23-692
Well: Epperly 24D-23-692
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Epperly 24D-23-692
TVD Reference: WELL @ 5853.00ft (Original Well Elev)
MD Reference: WELL @ 5853.00ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	13.60	136.42	4,677.08	-1,119.69	1,065.54	1,545.66	1.50	-1.50	0.00
5,100.00	12.10	136.42	4,774.57	-1,135.79	1,080.86	1,567.89	1.50	-1.50	0.00
5,200.00	10.60	136.42	4,872.61	-1,150.05	1,094.42	1,587.57	1.50	-1.50	0.00
5,300.00	9.10	136.42	4,971.14	-1,162.43	1,106.21	1,604.67	1.50	-1.50	0.00
5,400.00	7.60	136.42	5,070.08	-1,172.95	1,116.22	1,619.18	1.50	-1.50	0.00
5,500.00	6.10	136.42	5,169.36	-1,181.58	1,124.44	1,631.10	1.50	-1.50	0.00
5,600.00	4.60	136.42	5,268.92	-1,188.33	1,130.86	1,640.42	1.50	-1.50	0.00
5,700.00	3.10	136.42	5,368.69	-1,193.19	1,135.48	1,647.13	1.50	-1.50	0.00
5,800.00	1.60	136.42	5,468.61	-1,196.16	1,138.30	1,651.22	1.50	-1.50	0.00
5,900.00	0.10	136.42	5,568.59	-1,197.23	1,139.32	1,652.70	1.50	-1.50	0.00
5,906.41	0.00	0.00	5,575.00	-1,197.23	1,139.33	1,652.70	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,668.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,100.00	0.00	0.00	5,768.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,200.00	0.00	0.00	5,868.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,300.00	0.00	0.00	5,968.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,400.00	0.00	0.00	6,068.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,500.00	0.00	0.00	6,168.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,600.00	0.00	0.00	6,268.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,700.00	0.00	0.00	6,368.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,800.00	0.00	0.00	6,468.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
6,900.00	0.00	0.00	6,568.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,000.00	0.00	0.00	6,668.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,100.00	0.00	0.00	6,768.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,200.00	0.00	0.00	6,868.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,300.00	0.00	0.00	6,968.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,400.00	0.00	0.00	7,068.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,500.00	0.00	0.00	7,168.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,600.00	0.00	0.00	7,268.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,700.00	0.00	0.00	7,368.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,800.00	0.00	0.00	7,468.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,900.00	0.00	0.00	7,568.59	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00
7,906.41	0.00	0.00	7,575.00	-1,197.23	1,139.33	1,652.70	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
790.00	790.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,878.04	3,635.00	Mesaverde		0.00	
4,816.68	4,500.00	Price Coal		0.00	
5,756.37	5,425.00	Top Gas		0.00	
7,606.41	7,275.00	Rollins		0.00	
7,906.41	7,575.00	TD		0.00	

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 24D-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 24D-23-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

WELL DETAILS: Epperly 24D-23-692

+N/-S	+E/-W	Northing	Ground Level: Easting	0.00 Latitude	Longitude	Slot
0.00	0.00	1618405.906	2396112.339	39° 30' 42.372 N	107° 38' 26.1672 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	1793.47	25.84	136.42	1758.80	-165.95	157.93	2.50	136.42	229.09	
4	4183.96	25.84	136.42	3910.34	-920.64	876.11	0.00	0.00	1270.88	
5	5906.41	0.00	0.00	5575.00	-1197.23	1139.33	1.50	180.00	1652.70	
6	7906.41	0.00	0.00	7575.00	-1197.23	1139.33	0.00	0.00	1652.70	Epperly 24D-23-692 (TD)

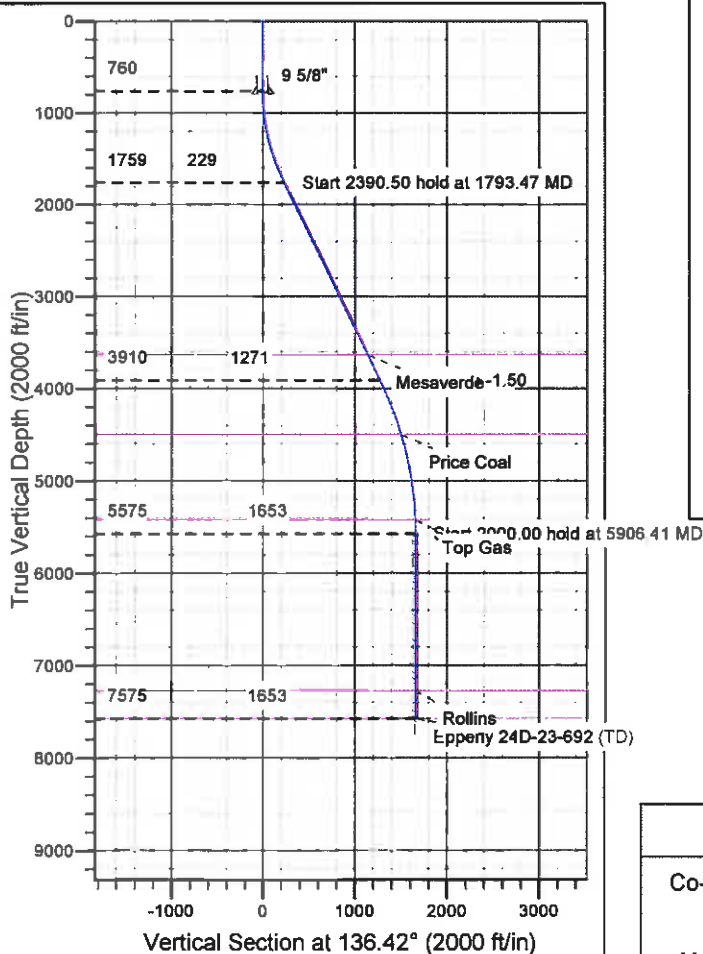
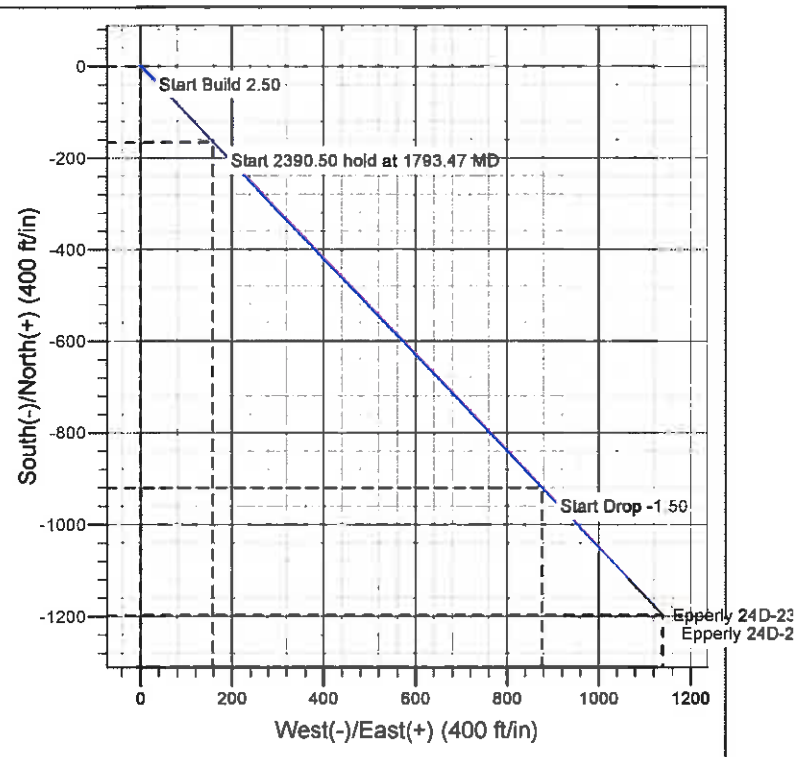
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 24D-23-692 (TD)	-1197.23	1139.33	Circle (Radius: 25.00)	



Azimuths to True North
Magnetic North: 10.36°

Magnetic Field
Strength: 52481.0snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3635.00	3878.04	Mesaverde
4500.00	4816.68	Price Coal
5425.00	5756.37	Top Gas
7275.00	7606.41	Rollins
7575.00	7906.41	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Epperly 24D-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