

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 14D-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 14D-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 14D-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 14D-23-692		
Well Position	+N/-S	-40.80 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	188.40

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	
1,463.92	17.60	188.40	1,452.90	-106.10	-15.66	2.50	2.50	0.00	188.40	
4,576.86	17.60	188.40	4,420.17	-1,037.17	-153.07	0.00	0.00	0.00	0.00	
5,750.05	0.00	0.00	5,575.00	-1,214.01	-179.17	1.50	-1.50	0.00	180.00	
7,750.05	0.00	0.00	7,575.00	-1,214.01	-179.17	0.00	0.00	0.00	0.00	Epperly 14D-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 14D-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	188.40	800.00	-0.35	-0.05	0.35	2.50	2.50	0.00	
900.00	3.50	188.40	899.91	-4.23	-0.62	4.27	2.50	2.50	0.00	
1,000.00	6.00	188.40	999.56	-12.42	-1.83	12.55	2.50	2.50	0.00	
1,100.00	8.50	188.40	1,098.75	-24.90	-3.68	25.17	2.50	2.50	0.00	
1,200.00	11.00	188.40	1,197.30	-41.66	-6.15	42.11	2.50	2.50	0.00	
1,300.00	13.50	188.40	1,295.02	-62.64	-9.25	63.32	2.50	2.50	0.00	
1,400.00	16.00	188.40	1,391.71	-87.83	-12.96	88.78	2.50	2.50	0.00	
1,463.92	17.60	188.40	1,452.90	-106.10	-15.66	107.25	2.50	2.50	0.00	
1,500.00	17.60	188.40	1,487.30	-116.90	-17.25	118.16	0.00	0.00	0.00	
1,600.00	17.60	188.40	1,582.62	-146.81	-21.67	148.40	0.00	0.00	0.00	
1,700.00	17.60	188.40	1,677.94	-176.72	-26.08	178.63	0.00	0.00	0.00	
1,800.00	17.60	188.40	1,773.26	-206.63	-30.49	208.86	0.00	0.00	0.00	
1,900.00	17.60	188.40	1,868.58	-236.53	-34.91	239.10	0.00	0.00	0.00	
2,000.00	17.60	188.40	1,963.90	-266.44	-39.32	269.33	0.00	0.00	0.00	
2,100.00	17.60	188.40	2,059.22	-296.35	-43.74	299.56	0.00	0.00	0.00	
2,200.00	17.60	188.40	2,154.54	-326.26	-48.15	329.80	0.00	0.00	0.00	
2,300.00	17.60	188.40	2,249.86	-356.17	-52.56	360.03	0.00	0.00	0.00	
2,400.00	17.60	188.40	2,345.18	-386.08	-56.98	390.26	0.00	0.00	0.00	
2,500.00	17.60	188.40	2,440.50	-415.99	-61.39	420.50	0.00	0.00	0.00	
2,600.00	17.60	188.40	2,535.82	-445.90	-65.81	450.73	0.00	0.00	0.00	
2,700.00	17.60	188.40	2,631.14	-475.81	-70.22	480.96	0.00	0.00	0.00	
2,800.00	17.60	188.40	2,726.46	-505.72	-74.64	511.20	0.00	0.00	0.00	
2,900.00	17.60	188.40	2,821.78	-535.63	-79.05	541.43	0.00	0.00	0.00	
3,000.00	17.60	188.40	2,917.10	-565.54	-83.46	571.66	0.00	0.00	0.00	
3,100.00	17.60	188.40	3,012.42	-595.45	-87.88	601.90	0.00	0.00	0.00	
3,200.00	17.60	188.40	3,107.74	-625.36	-92.29	632.13	0.00	0.00	0.00	
3,300.00	17.60	188.40	3,203.06	-655.27	-96.71	662.36	0.00	0.00	0.00	
3,400.00	17.60	188.40	3,298.38	-685.18	-101.12	692.60	0.00	0.00	0.00	
3,500.00	17.60	188.40	3,393.70	-715.09	-105.53	722.83	0.00	0.00	0.00	
3,600.00	17.60	188.40	3,489.02	-745.00	-109.95	753.06	0.00	0.00	0.00	
3,700.00	17.60	188.40	3,584.34	-774.90	-114.36	783.30	0.00	0.00	0.00	
3,800.00	17.60	188.40	3,679.66	-804.81	-118.78	813.53	0.00	0.00	0.00	
3,900.00	17.60	188.40	3,774.98	-834.72	-123.19	843.76	0.00	0.00	0.00	
4,000.00	17.60	188.40	3,870.30	-864.63	-127.60	874.00	0.00	0.00	0.00	
4,100.00	17.60	188.40	3,965.62	-894.54	-132.02	904.23	0.00	0.00	0.00	
4,200.00	17.60	188.40	4,060.94	-924.45	-136.43	934.47	0.00	0.00	0.00	
4,300.00	17.60	188.40	4,156.26	-954.36	-140.85	964.70	0.00	0.00	0.00	
4,400.00	17.60	188.40	4,251.58	-984.27	-145.26	994.93	0.00	0.00	0.00	
4,500.00	17.60	188.40	4,346.90	-1,014.18	-149.67	1,025.17	0.00	0.00	0.00	
4,576.86	17.60	188.40	4,420.17	-1,037.17	-153.07	1,048.40	0.00	0.00	0.00	
4,600.00	17.25	188.40	4,442.24	-1,044.02	-154.08	1,055.33	1.50	-1.50	0.00	
4,700.00	15.75	188.40	4,538.12	-1,072.12	-158.23	1,083.73	1.50	-1.50	0.00	
4,800.00	14.25	188.40	4,634.71	-1,097.73	-162.00	1,109.62	1.50	-1.50	0.00	
4,900.00	12.75	188.40	4,731.95	-1,120.82	-165.41	1,132.96	1.50	-1.50	0.00	

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Planning Report

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Well:	Epperly 14D-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	11.25	188.40	4,829.76	-1,141.39	-168.45	1,153.75	1.50	-1.50	0.00
5,100.00	9.75	188.40	4,928.08	-1,159.42	-171.11	1,171.98	1.50	-1.50	0.00
5,200.00	8.25	188.40	5,026.85	-1,174.90	-173.39	1,187.62	1.50	-1.50	0.00
5,300.00	6.75	188.40	5,125.99	-1,187.81	-175.30	1,200.68	1.50	-1.50	0.00
5,400.00	5.25	188.40	5,225.44	-1,198.15	-176.83	1,211.13	1.50	-1.50	0.00
5,500.00	3.75	188.40	5,325.12	-1,205.91	-177.97	1,218.98	1.50	-1.50	0.00
5,600.00	2.25	188.40	5,424.98	-1,211.09	-178.74	1,224.21	1.50	-1.50	0.00
5,700.00	0.75	188.40	5,524.95	-1,213.68	-179.12	1,226.83	1.50	-1.50	0.00
5,750.05	0.00	0.00	5,575.00	-1,214.01	-179.17	1,227.16	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,624.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
5,900.00	0.00	0.00	5,724.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,000.00	0.00	0.00	5,824.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,100.00	0.00	0.00	5,924.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,200.00	0.00	0.00	6,024.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,300.00	0.00	0.00	6,124.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,400.00	0.00	0.00	6,224.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,500.00	0.00	0.00	6,324.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,600.00	0.00	0.00	6,424.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,700.00	0.00	0.00	6,524.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,800.00	0.00	0.00	6,624.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
6,900.00	0.00	0.00	6,724.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,000.00	0.00	0.00	6,824.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,100.00	0.00	0.00	6,924.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,200.00	0.00	0.00	7,024.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,300.00	0.00	0.00	7,124.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,400.00	0.00	0.00	7,224.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,500.00	0.00	0.00	7,324.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,600.00	0.00	0.00	7,424.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,700.00	0.00	0.00	7,524.95	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00
7,750.05	0.00	0.00	7,575.00	-1,214.01	-179.17	1,227.16	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
780.00	780.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,753.15	3,635.00	Mesaverde		0.00	
4,660.33	4,500.00	Price Coal		0.00	
5,600.02	5,425.00	Top Gas		0.00	
7,450.05	7,275.00	Rollins		0.00	
7,750.05	7,575.00	TD		0.00	

WELL DETAILS: Epperly 14D-23-692

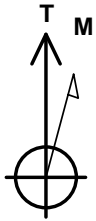
			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1618405.775	2396102.458	39° 30' 42.368 N 07° 38' 26.2932 W		

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	1463.92	17.60	188.40	1452.90	-106.10	-15.66	2.50	188.40	107.25	
4	4576.86	17.60	188.40	4420.17	-1037.17	-153.07	0.00	0.00	1048.40	
5	5750.05	0.00	0.00	5575.00	-1214.01	-179.17	1.50	180.00	1227.16	
6	7750.05	0.00	0.00	7575.00	-1214.01	-179.17	0.00	0.00	1227.16	Epperly 14D-23-692 (TD)

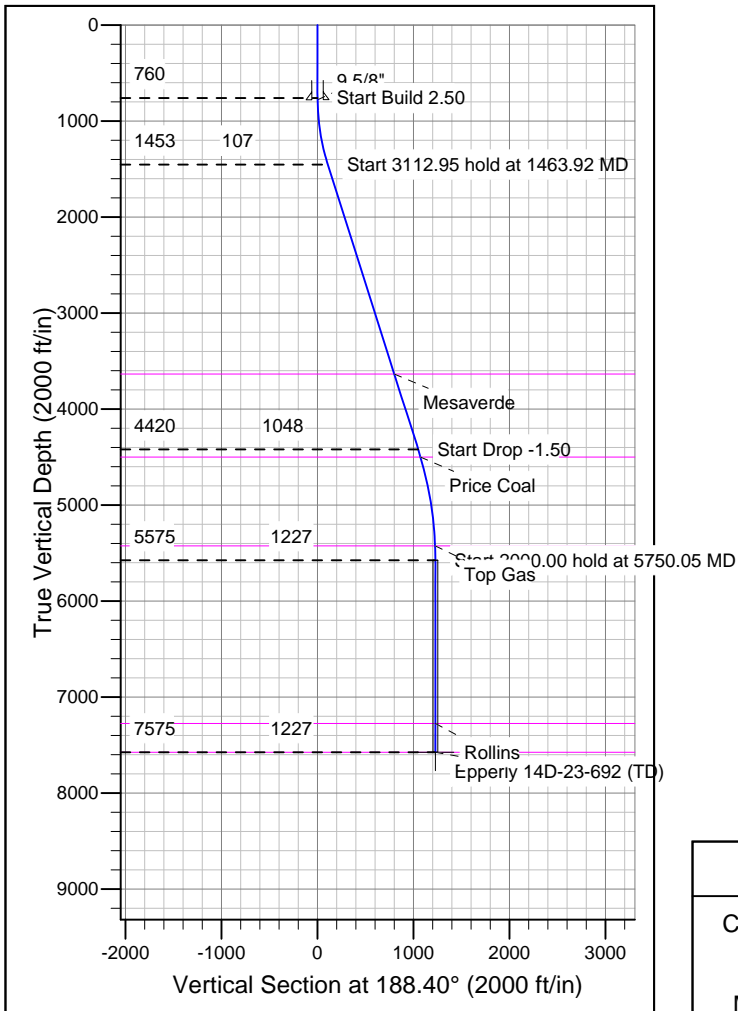
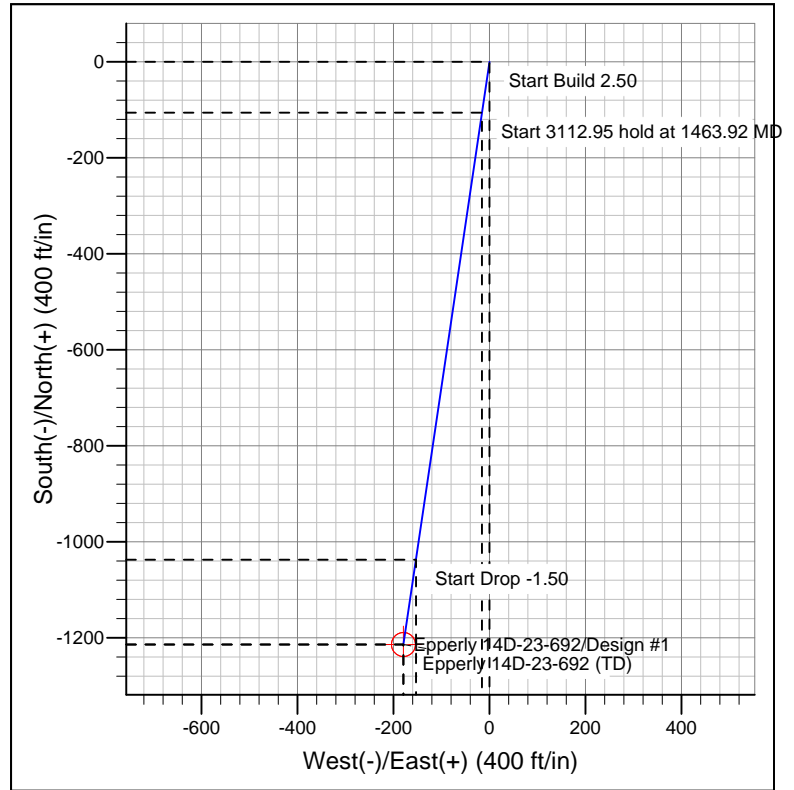
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 14D-23-692 (TD)	-1214.01	-179.17	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	3753.15	Mesaverde
4500.00	4660.33	Price Coal
5425.00	5600.02	Top Gas
7275.00	7450.05	Rollins
7575.00	7750.05	TD

REFERENCE INFORMATION

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