

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 13C-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 13C-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 13C-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 13C-23-692		
Well Position	+N/-S	-16.76 ft	Northing:
	+E/-W	0.00 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	216.91

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	
765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	0.00	
918.22	3.83	216.91	918.10	-4.09	-3.07	2.50	2.50	0.00	216.91	
5,404.96	3.83	216.91	5,394.83	-243.77	-183.06	0.00	0.00	0.00	0.00	
5,660.33	0.00	0.00	5,650.00	-250.59	-188.19	1.50	-1.50	0.00	180.00	
7,660.33	0.00	0.00	7,650.00	-250.59	-188.19	0.00	0.00	0.00	0.00	Epperly 13C-23-692

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Site:	Epperly NWSW-23-692	North Reference:	True
Well:	Epperly 13C-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	
765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.87	216.91	800.00	-0.21	-0.16	0.27	2.50	2.50	0.00	
900.00	3.37	216.91	899.92	-3.18	-2.39	3.97	2.50	2.50	0.00	
918.22	3.83	216.91	918.10	-4.09	-3.07	5.12	2.50	2.50	0.00	
1,000.00	3.83	216.91	999.70	-8.46	-6.36	10.58	0.00	0.00	0.00	
1,100.00	3.83	216.91	1,099.48	-13.80	-10.37	17.26	0.00	0.00	0.00	
1,200.00	3.83	216.91	1,199.26	-19.15	-14.38	23.94	0.00	0.00	0.00	
1,300.00	3.83	216.91	1,299.03	-24.49	-18.39	30.62	0.00	0.00	0.00	
1,400.00	3.83	216.91	1,398.81	-29.83	-22.40	37.30	0.00	0.00	0.00	
1,500.00	3.83	216.91	1,498.59	-35.17	-26.41	43.98	0.00	0.00	0.00	
1,600.00	3.83	216.91	1,598.36	-40.51	-30.42	50.67	0.00	0.00	0.00	
1,700.00	3.83	216.91	1,698.14	-45.85	-34.44	57.35	0.00	0.00	0.00	
1,800.00	3.83	216.91	1,797.92	-51.20	-38.45	64.03	0.00	0.00	0.00	
1,900.00	3.83	216.91	1,897.69	-56.54	-42.46	70.71	0.00	0.00	0.00	
2,000.00	3.83	216.91	1,997.47	-61.88	-46.47	77.39	0.00	0.00	0.00	
2,100.00	3.83	216.91	2,097.25	-67.22	-50.48	84.07	0.00	0.00	0.00	
2,200.00	3.83	216.91	2,197.02	-72.56	-54.49	90.75	0.00	0.00	0.00	
2,300.00	3.83	216.91	2,296.80	-77.91	-58.51	97.43	0.00	0.00	0.00	
2,400.00	3.83	216.91	2,396.58	-83.25	-62.52	104.11	0.00	0.00	0.00	
2,500.00	3.83	216.91	2,496.35	-88.59	-66.53	110.79	0.00	0.00	0.00	
2,600.00	3.83	216.91	2,596.13	-93.93	-70.54	117.47	0.00	0.00	0.00	
2,700.00	3.83	216.91	2,695.91	-99.27	-74.55	124.15	0.00	0.00	0.00	
2,800.00	3.83	216.91	2,795.68	-104.61	-78.56	130.83	0.00	0.00	0.00	
2,900.00	3.83	216.91	2,895.46	-109.96	-82.58	137.51	0.00	0.00	0.00	
3,000.00	3.83	216.91	2,995.24	-115.30	-86.59	144.19	0.00	0.00	0.00	
3,100.00	3.83	216.91	3,095.01	-120.64	-90.60	150.87	0.00	0.00	0.00	
3,200.00	3.83	216.91	3,194.79	-125.98	-94.61	157.55	0.00	0.00	0.00	
3,300.00	3.83	216.91	3,294.57	-131.32	-98.62	164.23	0.00	0.00	0.00	
3,400.00	3.83	216.91	3,394.34	-136.67	-102.63	170.91	0.00	0.00	0.00	
3,500.00	3.83	216.91	3,494.12	-142.01	-106.64	177.59	0.00	0.00	0.00	
3,600.00	3.83	216.91	3,593.90	-147.35	-110.66	184.27	0.00	0.00	0.00	
3,700.00	3.83	216.91	3,693.67	-152.69	-114.67	190.95	0.00	0.00	0.00	
3,800.00	3.83	216.91	3,793.45	-158.03	-118.68	197.63	0.00	0.00	0.00	
3,900.00	3.83	216.91	3,893.22	-163.37	-122.69	204.31	0.00	0.00	0.00	
4,000.00	3.83	216.91	3,993.00	-168.72	-126.70	210.99	0.00	0.00	0.00	
4,100.00	3.83	216.91	4,092.78	-174.06	-130.71	217.67	0.00	0.00	0.00	
4,200.00	3.83	216.91	4,192.55	-179.40	-134.73	224.35	0.00	0.00	0.00	
4,300.00	3.83	216.91	4,292.33	-184.74	-138.74	231.04	0.00	0.00	0.00	
4,400.00	3.83	216.91	4,392.11	-190.08	-142.75	237.72	0.00	0.00	0.00	
4,500.00	3.83	216.91	4,491.88	-195.42	-146.76	244.40	0.00	0.00	0.00	
4,600.00	3.83	216.91	4,591.66	-200.77	-150.77	251.08	0.00	0.00	0.00	
4,700.00	3.83	216.91	4,691.44	-206.11	-154.78	257.76	0.00	0.00	0.00	
4,800.00	3.83	216.91	4,791.21	-211.45	-158.80	264.44	0.00	0.00	0.00	
4,900.00	3.83	216.91	4,890.99	-216.79	-162.81	271.12	0.00	0.00	0.00	
5,000.00	3.83	216.91	4,990.77	-222.13	-166.82	277.80	0.00	0.00	0.00	

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Well:	Epperly 13C-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)
5,100.00	3.83	216.91	5,090.54	-227.48	-170.83	284.48	0.00	0.00	0.00
5,200.00	3.83	216.91	5,190.32	-232.82	-174.84	291.16	0.00	0.00	0.00
5,300.00	3.83	216.91	5,290.10	-238.16	-178.85	297.84	0.00	0.00	0.00
5,400.00	3.83	216.91	5,389.87	-243.50	-182.86	304.52	0.00	0.00	0.00
5,404.96	3.83	216.91	5,394.83	-243.77	-183.06	304.85	0.00	0.00	0.00
5,500.00	2.40	216.91	5,489.72	-247.90	-186.17	310.02	1.50	-1.50	0.00
5,600.00	0.90	216.91	5,589.68	-250.21	-187.90	312.91	1.50	-1.50	0.00
5,660.33	0.00	0.00	5,650.00	-250.59	-188.19	313.38	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,689.67	-250.59	-188.19	313.38	0.00	0.00	0.00
5,800.00	0.00	0.00	5,789.67	-250.59	-188.19	313.38	0.00	0.00	0.00
5,900.00	0.00	0.00	5,889.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,000.00	0.00	0.00	5,989.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,100.00	0.00	0.00	6,089.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,200.00	0.00	0.00	6,189.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,300.00	0.00	0.00	6,289.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,400.00	0.00	0.00	6,389.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,500.00	0.00	0.00	6,489.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,600.00	0.00	0.00	6,589.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,700.00	0.00	0.00	6,689.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,800.00	0.00	0.00	6,789.67	-250.59	-188.19	313.38	0.00	0.00	0.00
6,900.00	0.00	0.00	6,889.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,000.00	0.00	0.00	6,989.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,100.00	0.00	0.00	7,089.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,200.00	0.00	0.00	7,189.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,300.00	0.00	0.00	7,289.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,400.00	0.00	0.00	7,389.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,500.00	0.00	0.00	7,489.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,600.00	0.00	0.00	7,589.67	-250.59	-188.19	313.38	0.00	0.00	0.00
7,660.33	0.00	0.00	7,650.00	-250.59	-188.19	313.38	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
770.00	770.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,681.29	3,675.00	Mesaverde		0.00	
4,583.30	4,575.00	Price Coal		0.00	
5,385.09	5,375.00	Top Gas		0.00	
7,360.33	7,350.00	Rollins		0.00	
7,660.33	7,650.00	TD		0.00	

WELL DETAILS: Epperly 13C-23-692

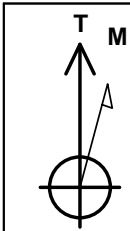
Ground Level: 0.00							Slot
+N/-S 0.00	+E/-W 0.00	Northing 1618429.821	Easting 2396102.460	Latitude 39° 30' 42.606 N	Longitude 107° 38' 26.3004 W		

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	765.00	0.00	0.00	765.00	0.00	0.00	0.00	0.00	0.00	
3	918.22	3.83	216.91	918.10	-4.09	-3.07	2.50	216.91	5.12	
4	5404.96	3.83	216.91	5394.83	-243.77	-183.06	0.00	0.00	304.85	
5	5660.33	0.00	0.00	5650.00	-250.59	-188.19	1.50	180.00	313.38	
6	7660.33	0.00	0.00	7650.00	-250.59	-188.19	0.00	0.00	313.38	Epperly 13C-23-692 (TD)

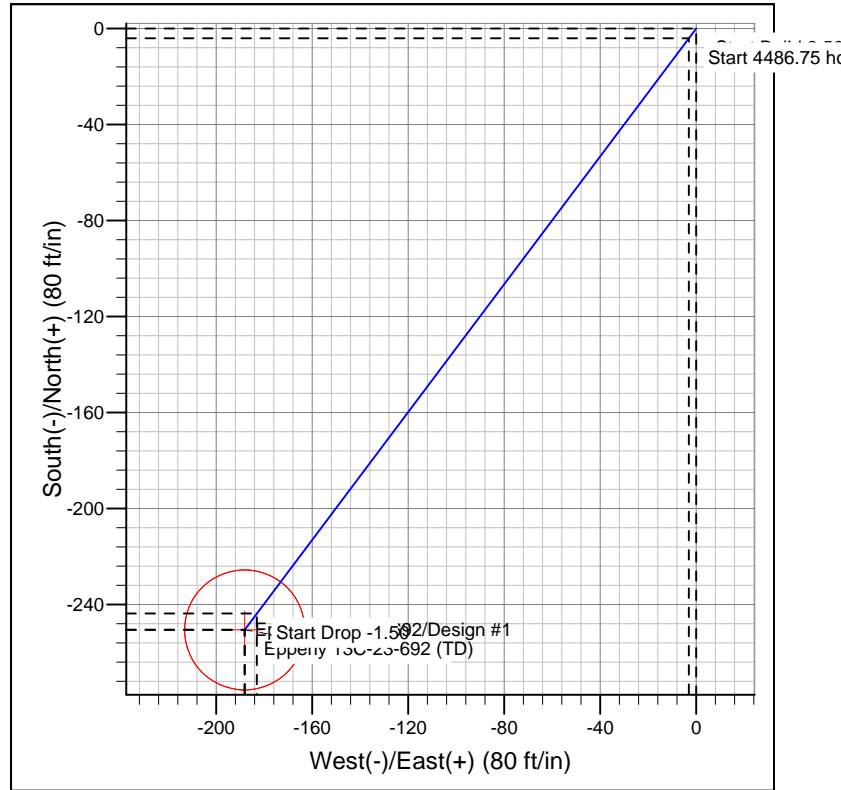
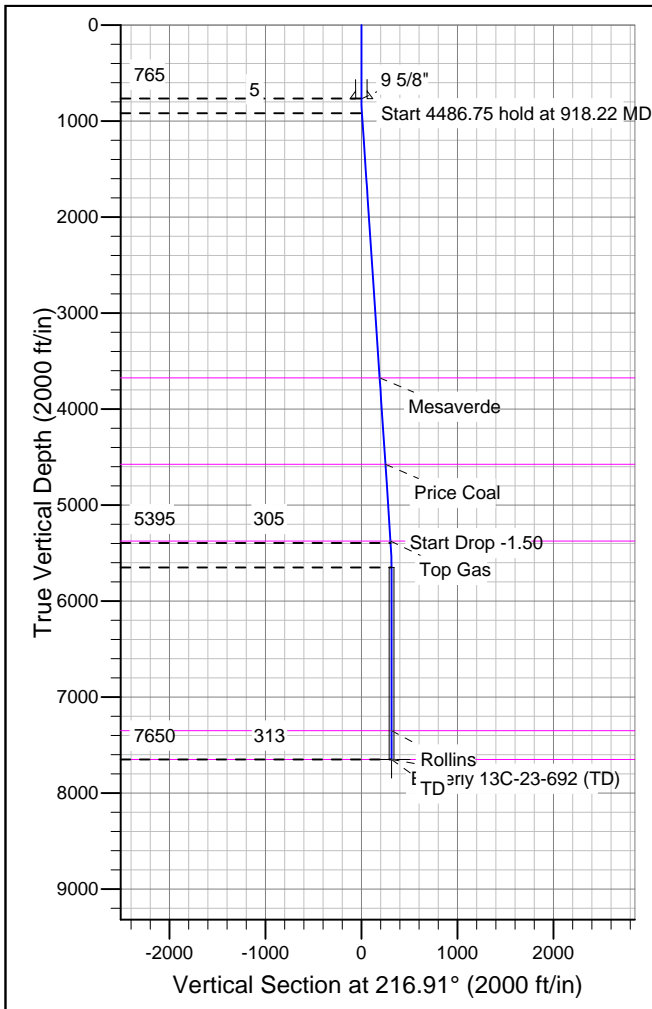
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 13C-23-692 (TD)	-250.59	-250.59	-188.19	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
3675.00	3681.29	Mesaverde
4575.00	4583.30	Price Coal
5375.00	5385.09	Top Gas
7350.00	7360.33	Rollins
7650.00	7660.33	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Epperly 13C-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