

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 23D-23-692

Wellbore #1

Plan: Design #1

Standard Planning Report

29 June, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Epperly 23D-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 23D-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 23D-23-692		
Well Position	+N/-S	-8.39 ft	Northing:
	+E/-W	9.87 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 42.689 N
			Longitude:
			107° 38' 26.1744 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	86.19

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	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,366.98	15.42	86.19	1,359.55	5.48	82.36	2.50	2.50	0.00	86.19	
4,789.79	15.42	86.19	4,659.08	65.93	990.71	0.00	0.00	0.00	0.00	
5,818.08	0.00	0.00	5,675.00	75.07	1,127.98	1.50	-1.50	0.00	180.00	
7,818.08	0.00	0.00	7,675.00	75.07	1,127.98	0.00	0.00	0.00	0.00	Epperly 23D-23-692

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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 23D-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
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	1.25	86.19	800.00	0.04	0.54	0.55	2.50	2.50	0.00
900.00	3.75	86.19	899.89	0.33	4.90	4.91	2.50	2.50	0.00
1,000.00	6.25	86.19	999.50	0.90	13.59	13.62	2.50	2.50	0.00
1,100.00	8.75	86.19	1,098.64	1.77	26.61	26.67	2.50	2.50	0.00
1,200.00	11.25	86.19	1,197.11	2.92	43.94	44.04	2.50	2.50	0.00
1,300.00	13.75	86.19	1,294.74	4.36	65.53	65.68	2.50	2.50	0.00
1,366.98	15.42	86.19	1,359.55	5.48	82.36	82.55	2.50	2.50	0.00
1,400.00	15.42	86.19	1,391.39	6.06	91.13	91.33	0.00	0.00	0.00
1,500.00	15.42	86.19	1,487.78	7.83	117.67	117.93	0.00	0.00	0.00
1,600.00	15.42	86.19	1,584.18	9.60	144.20	144.52	0.00	0.00	0.00
1,700.00	15.42	86.19	1,680.58	11.36	170.74	171.12	0.00	0.00	0.00
1,800.00	15.42	86.19	1,776.98	13.13	197.28	197.72	0.00	0.00	0.00
1,900.00	15.42	86.19	1,873.38	14.90	223.82	224.31	0.00	0.00	0.00
2,000.00	15.42	86.19	1,969.77	16.66	250.36	250.91	0.00	0.00	0.00
2,100.00	15.42	86.19	2,066.17	18.43	276.89	277.51	0.00	0.00	0.00
2,200.00	15.42	86.19	2,162.57	20.19	303.43	304.10	0.00	0.00	0.00
2,300.00	15.42	86.19	2,258.97	21.96	329.97	330.70	0.00	0.00	0.00
2,400.00	15.42	86.19	2,355.37	23.73	356.51	357.30	0.00	0.00	0.00
2,500.00	15.42	86.19	2,451.77	25.49	383.05	383.89	0.00	0.00	0.00
2,600.00	15.42	86.19	2,548.16	27.26	409.58	410.49	0.00	0.00	0.00
2,700.00	15.42	86.19	2,644.56	29.02	436.12	437.09	0.00	0.00	0.00
2,800.00	15.42	86.19	2,740.96	30.79	462.66	463.68	0.00	0.00	0.00
2,900.00	15.42	86.19	2,837.36	32.56	489.20	490.28	0.00	0.00	0.00
3,000.00	15.42	86.19	2,933.76	34.32	515.74	516.88	0.00	0.00	0.00
3,100.00	15.42	86.19	3,030.16	36.09	542.27	543.47	0.00	0.00	0.00
3,200.00	15.42	86.19	3,126.55	37.85	568.81	570.07	0.00	0.00	0.00
3,300.00	15.42	86.19	3,222.95	39.62	595.35	596.67	0.00	0.00	0.00
3,400.00	15.42	86.19	3,319.35	41.39	621.89	623.26	0.00	0.00	0.00
3,500.00	15.42	86.19	3,415.75	43.15	648.42	649.86	0.00	0.00	0.00
3,600.00	15.42	86.19	3,512.15	44.92	674.96	676.46	0.00	0.00	0.00
3,700.00	15.42	86.19	3,608.54	46.69	701.50	703.05	0.00	0.00	0.00
3,800.00	15.42	86.19	3,704.94	48.45	728.04	729.65	0.00	0.00	0.00
3,900.00	15.42	86.19	3,801.34	50.22	754.58	756.25	0.00	0.00	0.00
4,000.00	15.42	86.19	3,897.74	51.98	781.11	782.84	0.00	0.00	0.00
4,100.00	15.42	86.19	3,994.14	53.75	807.65	809.44	0.00	0.00	0.00
4,200.00	15.42	86.19	4,090.54	55.52	834.19	836.04	0.00	0.00	0.00
4,300.00	15.42	86.19	4,186.93	57.28	860.73	862.63	0.00	0.00	0.00
4,400.00	15.42	86.19	4,283.33	59.05	887.27	889.23	0.00	0.00	0.00
4,500.00	15.42	86.19	4,379.73	60.81	913.80	915.83	0.00	0.00	0.00
4,600.00	15.42	86.19	4,476.13	62.58	940.34	942.42	0.00	0.00	0.00
4,700.00	15.42	86.19	4,572.53	64.35	966.88	969.02	0.00	0.00	0.00
4,789.79	15.42	86.19	4,659.08	65.93	990.71	992.90	0.00	0.00	0.00
4,800.00	15.27	86.19	4,668.93	66.11	993.40	995.60	1.50	-1.50	0.00
4,900.00	13.77	86.19	4,765.73	67.78	1,018.42	1,020.68	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 23D-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	12.27	86.19	4,863.16	69.27	1,040.90	1,043.21	1.50	-1.50	0.00
5,100.00	10.77	86.19	4,961.14	70.60	1,060.83	1,063.18	1.50	-1.50	0.00
5,200.00	9.27	86.19	5,059.61	71.75	1,078.19	1,080.58	1.50	-1.50	0.00
5,300.00	7.77	86.19	5,158.50	72.74	1,092.98	1,095.40	1.50	-1.50	0.00
5,400.00	6.27	86.19	5,257.75	73.55	1,105.18	1,107.62	1.50	-1.50	0.00
5,500.00	4.77	86.19	5,357.28	74.19	1,114.78	1,117.24	1.50	-1.50	0.00
5,600.00	3.27	86.19	5,457.04	74.65	1,121.77	1,124.25	1.50	-1.50	0.00
5,700.00	1.77	86.19	5,556.94	74.95	1,126.16	1,128.65	1.50	-1.50	0.00
5,800.00	0.27	86.19	5,656.92	75.06	1,127.94	1,130.43	1.50	-1.50	0.00
5,818.08	0.00	0.00	5,675.00	75.07	1,127.98	1,130.48	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,756.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,000.00	0.00	0.00	5,856.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,100.00	0.00	0.00	5,956.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,200.00	0.00	0.00	6,056.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,300.00	0.00	0.00	6,156.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,400.00	0.00	0.00	6,256.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,500.00	0.00	0.00	6,356.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,600.00	0.00	0.00	6,456.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,700.00	0.00	0.00	6,556.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,800.00	0.00	0.00	6,656.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
6,900.00	0.00	0.00	6,756.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,000.00	0.00	0.00	6,856.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,100.00	0.00	0.00	6,956.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,200.00	0.00	0.00	7,056.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,300.00	0.00	0.00	7,156.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,400.00	0.00	0.00	7,256.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,500.00	0.00	0.00	7,356.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,600.00	0.00	0.00	7,456.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,700.00	0.00	0.00	7,556.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,800.00	0.00	0.00	7,656.92	75.07	1,127.98	1,130.48	0.00	0.00	0.00
7,818.08	0.00	0.00	7,675.00	75.07	1,127.98	1,130.48	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
785.00	785.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,768.94	3,675.00	Mesaverde		0.00	
4,712.94	4,585.00	Price Coal		0.00	
5,517.77	5,375.00	Top Gas		0.00	
7,518.08	7,375.00	Rollins		0.00	
7,818.08	7,675.00	TD		0.00	

Bill Barrett Corp
Planning Report

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

WELL DETAILS: Epperly 23D-23-692

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1618437.964	2396112.530	0.00	39° 30' 42.689 N	107° 38' 26.1744 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	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	
3	1366.98	15.42	86.19	1359.55	5.48	82.36	2.50	86.19	82.55	
4	4789.79	15.42	86.19	4659.08	65.93	990.71	0.00	0.00	992.90	
5	5818.08	0.00	0.00	5675.00	75.07	1127.98	1.50	180.00	1130.48	
6	7818.08	0.00	0.00	7675.00	75.07	1127.98	0.00	0.00	1130.48	Epperly 23D-23-692 (TD)

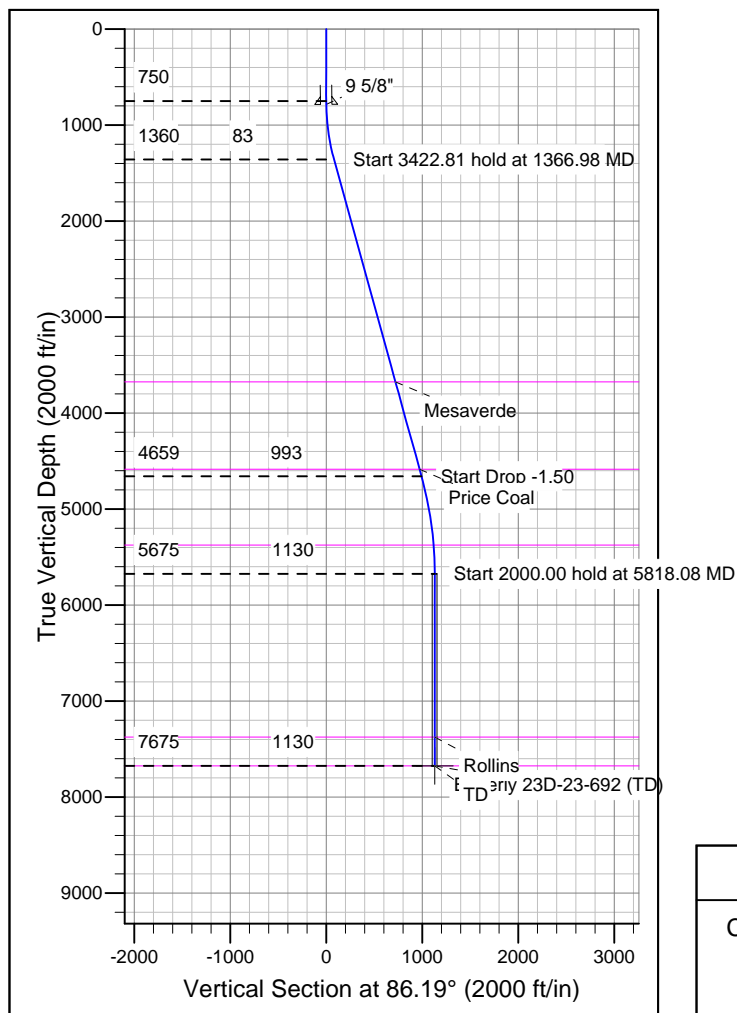
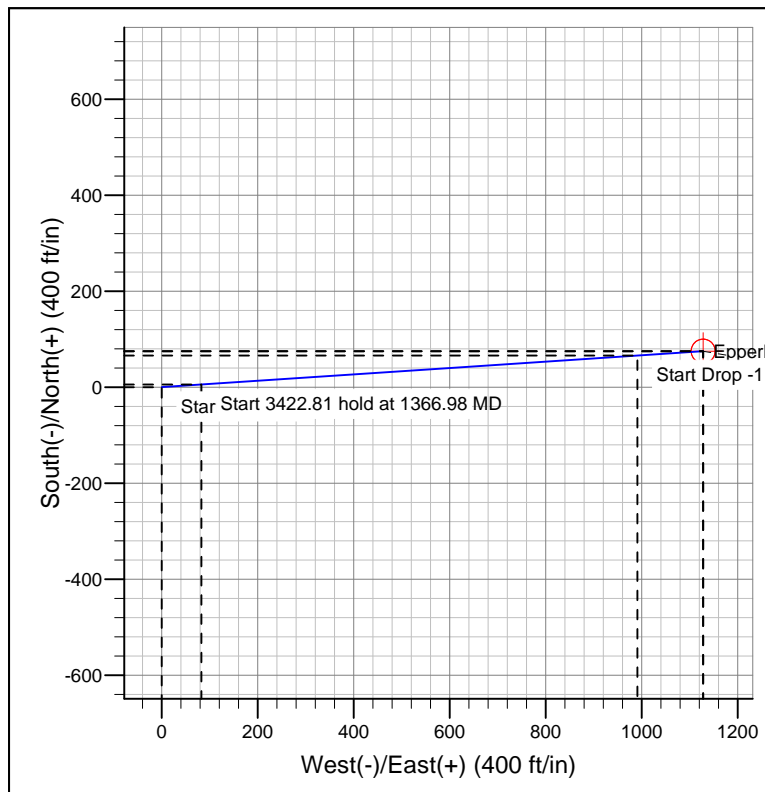
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 23D-23-692 (TD)	7675.00	75.07	1127.98	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	3768.94	Mesaverde
4585.00	4712.94	Price Coal
5375.00	5517.77	Top Gas
7375.00	7518.08	Rollins
7675.00	7818.08	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Epperly 23D-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