

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Epperly NWSW-23-692

Epperly 13B-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 13B-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 13B-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 13B-23-692		
Well Position	+N/-S	-24.78 ft	Northing:
	+E/-W	0.28 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 42.527 N
			Longitude:
			107° 38' 26.2968 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	197.92

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	
1,072.95	7.70	197.92	1,072.03	-19.66	-6.36	2.50	2.50	0.00	197.92	
5,150.97	7.70	197.92	5,113.29	-539.45	-174.49	0.00	0.00	0.00	0.00	
5,664.23	0.00	0.00	5,625.00	-572.21	-185.09	1.50	-1.50	0.00	180.00	
7,664.23	0.00	0.00	7,625.00	-572.21	-185.09	0.00	0.00	0.00	0.00	Epperly 13B-23-692

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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 13B-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	197.92	800.00	-0.25	-0.08	0.27	2.50	2.50	0.00	
900.00	3.37	197.92	899.92	-3.78	-1.22	3.97	2.50	2.50	0.00	
1,000.00	5.87	197.92	999.59	-11.45	-3.70	12.04	2.50	2.50	0.00	
1,072.95	7.70	197.92	1,072.03	-19.66	-6.36	20.66	2.50	2.50	0.00	
1,100.00	7.70	197.92	1,098.83	-23.10	-7.47	24.28	0.00	0.00	0.00	
1,200.00	7.70	197.92	1,197.93	-35.85	-11.60	37.68	0.00	0.00	0.00	
1,300.00	7.70	197.92	1,297.03	-48.60	-15.72	51.08	0.00	0.00	0.00	
1,400.00	7.70	197.92	1,396.13	-61.34	-19.84	64.47	0.00	0.00	0.00	
1,500.00	7.70	197.92	1,495.22	-74.09	-23.96	77.87	0.00	0.00	0.00	
1,600.00	7.70	197.92	1,594.32	-86.84	-28.09	91.26	0.00	0.00	0.00	
1,700.00	7.70	197.92	1,693.42	-99.58	-32.21	104.66	0.00	0.00	0.00	
1,800.00	7.70	197.92	1,792.52	-112.33	-36.33	118.06	0.00	0.00	0.00	
1,900.00	7.70	197.92	1,891.62	-125.07	-40.46	131.45	0.00	0.00	0.00	
2,000.00	7.70	197.92	1,990.72	-137.82	-44.58	144.85	0.00	0.00	0.00	
2,100.00	7.70	197.92	2,089.82	-150.57	-48.70	158.25	0.00	0.00	0.00	
2,200.00	7.70	197.92	2,188.91	-163.31	-52.82	171.64	0.00	0.00	0.00	
2,300.00	7.70	197.92	2,288.01	-176.06	-56.95	185.04	0.00	0.00	0.00	
2,400.00	7.70	197.92	2,387.11	-188.81	-61.07	198.44	0.00	0.00	0.00	
2,500.00	7.70	197.92	2,486.21	-201.55	-65.19	211.83	0.00	0.00	0.00	
2,600.00	7.70	197.92	2,585.31	-214.30	-69.32	225.23	0.00	0.00	0.00	
2,700.00	7.70	197.92	2,684.41	-227.05	-73.44	238.63	0.00	0.00	0.00	
2,800.00	7.70	197.92	2,783.51	-239.79	-77.56	252.02	0.00	0.00	0.00	
2,900.00	7.70	197.92	2,882.61	-252.54	-81.68	265.42	0.00	0.00	0.00	
3,000.00	7.70	197.92	2,981.70	-265.28	-85.81	278.82	0.00	0.00	0.00	
3,100.00	7.70	197.92	3,080.80	-278.03	-89.93	292.21	0.00	0.00	0.00	
3,200.00	7.70	197.92	3,179.90	-290.78	-94.05	305.61	0.00	0.00	0.00	
3,300.00	7.70	197.92	3,279.00	-303.52	-98.18	319.01	0.00	0.00	0.00	
3,400.00	7.70	197.92	3,378.10	-316.27	-102.30	332.40	0.00	0.00	0.00	
3,500.00	7.70	197.92	3,477.20	-329.02	-106.42	345.80	0.00	0.00	0.00	
3,600.00	7.70	197.92	3,576.30	-341.76	-110.55	359.20	0.00	0.00	0.00	
3,700.00	7.70	197.92	3,675.39	-354.51	-114.67	372.59	0.00	0.00	0.00	
3,800.00	7.70	197.92	3,774.49	-367.26	-118.79	385.99	0.00	0.00	0.00	
3,900.00	7.70	197.92	3,873.59	-380.00	-122.91	399.39	0.00	0.00	0.00	
4,000.00	7.70	197.92	3,972.69	-392.75	-127.04	412.78	0.00	0.00	0.00	
4,100.00	7.70	197.92	4,071.79	-405.49	-131.16	426.18	0.00	0.00	0.00	
4,200.00	7.70	197.92	4,170.89	-418.24	-135.28	439.58	0.00	0.00	0.00	
4,300.00	7.70	197.92	4,269.99	-430.99	-139.41	452.97	0.00	0.00	0.00	
4,400.00	7.70	197.92	4,369.08	-443.73	-143.53	466.37	0.00	0.00	0.00	
4,500.00	7.70	197.92	4,468.18	-456.48	-147.65	479.76	0.00	0.00	0.00	
4,600.00	7.70	197.92	4,567.28	-469.23	-151.77	493.16	0.00	0.00	0.00	
4,700.00	7.70	197.92	4,666.38	-481.97	-155.90	506.56	0.00	0.00	0.00	
4,800.00	7.70	197.92	4,765.48	-494.72	-160.02	519.95	0.00	0.00	0.00	
4,900.00	7.70	197.92	4,864.58	-507.46	-164.14	533.35	0.00	0.00	0.00	
5,000.00	7.70	197.92	4,963.68	-520.21	-168.27	546.75	0.00	0.00	0.00	

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Well:	Epperly 13B-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	7.70	197.92	5,062.77	-532.96	-172.39	560.14	0.00	0.00	0.00
5,150.97	7.70	197.92	5,113.29	-539.45	-174.49	566.97	0.00	0.00	0.00
5,200.00	6.96	197.92	5,161.91	-545.41	-176.42	573.23	1.50	-1.50	0.00
5,300.00	5.46	197.92	5,261.32	-555.70	-179.75	584.05	1.50	-1.50	0.00
5,400.00	3.96	197.92	5,360.98	-563.52	-182.27	592.27	1.50	-1.50	0.00
5,500.00	2.46	197.92	5,460.82	-568.86	-184.00	597.87	1.50	-1.50	0.00
5,600.00	0.96	197.92	5,560.77	-571.70	-184.92	600.86	1.50	-1.50	0.00
5,664.23	0.00	0.00	5,625.00	-572.21	-185.09	601.40	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,660.77	-572.21	-185.09	601.40	0.00	0.00	0.00
5,800.00	0.00	0.00	5,760.77	-572.21	-185.09	601.40	0.00	0.00	0.00
5,900.00	0.00	0.00	5,860.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,000.00	0.00	0.00	5,960.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,100.00	0.00	0.00	6,060.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,200.00	0.00	0.00	6,160.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,300.00	0.00	0.00	6,260.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,400.00	0.00	0.00	6,360.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,500.00	0.00	0.00	6,460.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,600.00	0.00	0.00	6,560.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,700.00	0.00	0.00	6,660.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,800.00	0.00	0.00	6,760.77	-572.21	-185.09	601.40	0.00	0.00	0.00
6,900.00	0.00	0.00	6,860.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,000.00	0.00	0.00	6,960.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,100.00	0.00	0.00	7,060.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,200.00	0.00	0.00	7,160.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,300.00	0.00	0.00	7,260.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,400.00	0.00	0.00	7,360.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,500.00	0.00	0.00	7,460.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,600.00	0.00	0.00	7,560.77	-572.21	-185.09	601.40	0.00	0.00	0.00
7,664.23	0.00	0.00	7,625.00	-572.21	-185.09	601.40	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 (°)
3,684.47	3,660.00	Mesaverde		0.00	
4,582.56	4,550.00	Price Coal		0.00	
5,439.10	5,400.00	Top Gas		0.00	
7,364.23	7,325.00	Rollins		0.00	
7,664.23	7,625.00	TD		0.00	

WELL DETAILS: Epperly 13B-23-692

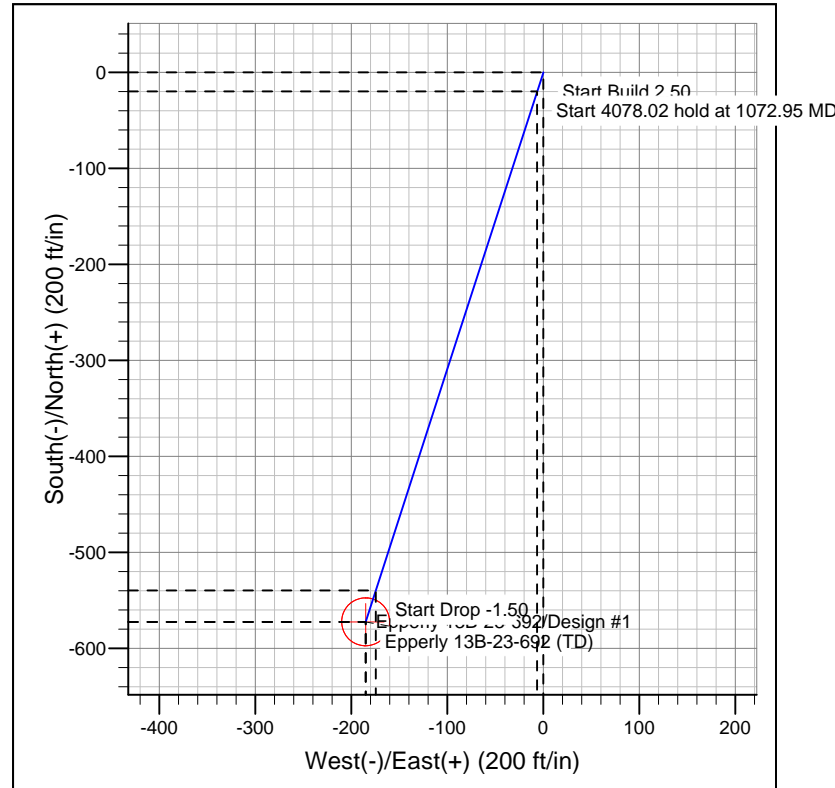
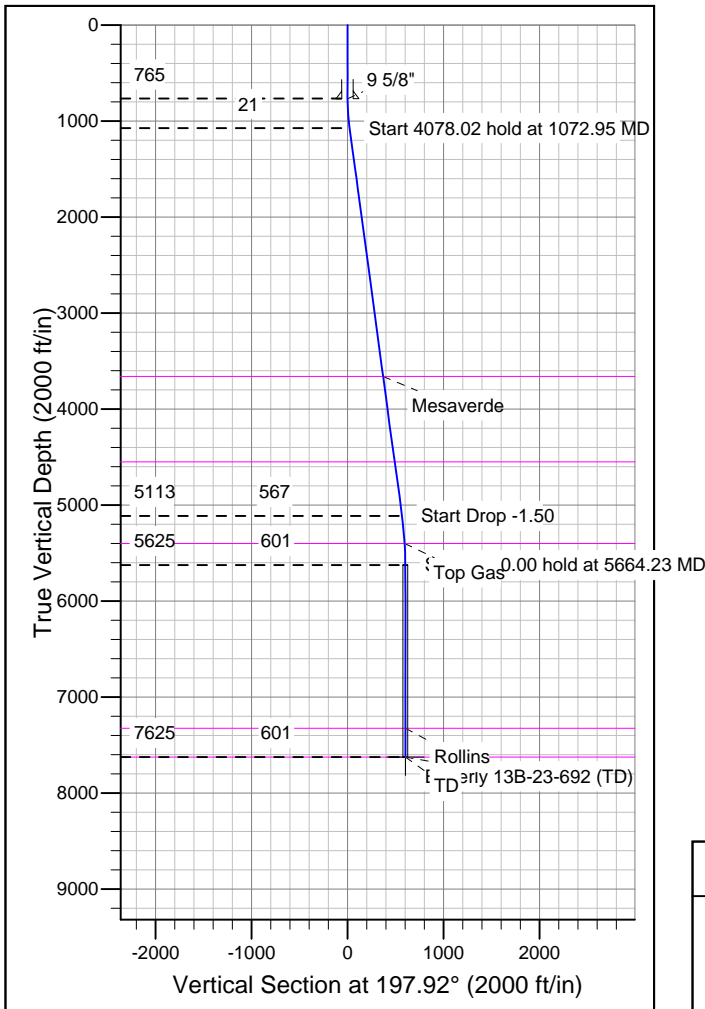
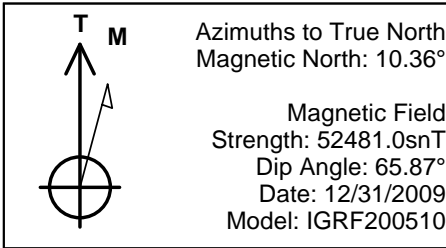
Ground Level: 0.00							Slot
+N/-S 0.00	+E/-W 0.00	Northing 1618421.803	Easting 2396102.554	Latitude 39° 30' 42.527 N	Longitude 107° 38' 26.2968 W		

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	1072.95	7.70	197.92	1072.03	-19.66	-6.36	2.50	197.92	20.66	
4	5150.97	7.70	197.92	5113.29	-539.45	-174.49	0.00	0.00	566.97	
5	5664.23	0.00	0.00	5625.00	-572.21	-185.09	1.50	180.00	601.40	
6	7664.23	0.00	0.00	7625.00	-572.21	-185.09	0.00	0.00	601.40	Epperly 13B-23-692 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Epperly 13B-23-692 (TD)	-572.21	-572.21	-185.09	Circle (Radius: 25.00)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3660.00	3684.47	Mesaverde
4550.00	4582.56	Price Coal
5400.00	5439.10	Top Gas
7325.00	7364.23	Rollins
7625.00	7664.23	TD

REFERENCE INFORMATION

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