

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #26

Federal 11D-3-791

Wellbore #1

Plan: Design #1

Standard Planning Report

08 December, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 11D-3-791
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 11D-3-791	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	MDP #26		
Site Position:		Northing:	1,605,944.154 ft
From:	Lat/Long	Easting:	2,420,639.729 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 28' 44.832 N
		Longitude:	107° 33' 9.6912 W
		Grid Convergence:	-1.29 °

Well	Federal 11D-3-791		
Well Position	+N/-S	20.39 ft	Northing:
	+E/-W	-149.60 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 45.033 N
			Longitude:
			107° 33' 11.5992 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/8/2011	10.09	65.79	52,244

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	114.04

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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,278.65	36.97	114.04	2,178.18	-187.64	420.73	2.50	2.50	0.00	114.04	
3,431.17	36.97	114.04	3,099.03	-469.94	1,053.69	0.00	0.00	0.00	0.00	
5,895.59	0.00	0.00	5,396.00	-782.68	1,754.92	1.50	-1.50	0.00	180.00	
8,395.59	0.00	0.00	7,896.00	-782.68	1,754.92	0.00	0.00	0.00	0.00	Federal 11D-3-791

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 11D-3-791	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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	2.50	114.04	899.97	-0.89	1.99	2.18	2.50	2.50	0.00	
1,000.00	5.00	114.04	999.75	-3.55	7.96	8.72	2.50	2.50	0.00	
1,100.00	7.50	114.04	1,099.14	-7.99	17.91	19.61	2.50	2.50	0.00	
1,200.00	10.00	114.04	1,197.97	-14.18	31.80	34.82	2.50	2.50	0.00	
1,300.00	12.50	114.04	1,296.04	-22.13	49.61	54.33	2.50	2.50	0.00	
1,400.00	15.00	114.04	1,393.17	-31.81	71.32	78.09	2.50	2.50	0.00	
1,500.00	17.50	114.04	1,489.17	-43.21	96.87	106.07	2.50	2.50	0.00	
1,600.00	20.00	114.04	1,583.85	-56.30	126.23	138.21	2.50	2.50	0.00	
1,700.00	22.50	114.04	1,677.05	-71.06	159.33	174.45	2.50	2.50	0.00	
1,800.00	25.00	114.04	1,768.57	-87.46	196.11	214.73	2.50	2.50	0.00	
1,900.00	27.50	114.04	1,858.25	-105.48	236.50	258.95	2.50	2.50	0.00	
2,000.00	30.00	114.04	1,945.92	-125.07	280.42	307.05	2.50	2.50	0.00	
2,100.00	32.50	114.04	2,031.40	-146.19	327.80	358.92	2.50	2.50	0.00	
2,200.00	35.00	114.04	2,114.54	-168.82	378.53	414.47	2.50	2.50	0.00	
2,278.65	36.97	114.04	2,178.18	-187.64	420.73	460.68	2.50	2.50	0.00	
2,300.00	36.97	114.04	2,195.24	-192.87	432.46	473.52	0.00	0.00	0.00	
2,400.00	36.97	114.04	2,275.14	-217.37	487.38	533.65	0.00	0.00	0.00	
2,500.00	36.97	114.04	2,355.04	-241.86	542.30	593.79	0.00	0.00	0.00	
2,600.00	36.97	114.04	2,434.94	-266.35	597.22	653.92	0.00	0.00	0.00	
2,700.00	36.97	114.04	2,514.84	-290.85	652.14	714.06	0.00	0.00	0.00	
2,800.00	36.97	114.04	2,594.73	-315.34	707.06	774.19	0.00	0.00	0.00	
2,900.00	36.97	114.04	2,674.63	-339.84	761.98	834.33	0.00	0.00	0.00	
3,000.00	36.97	114.04	2,754.53	-364.33	816.90	894.46	0.00	0.00	0.00	
3,100.00	36.97	114.04	2,834.43	-388.82	871.82	954.59	0.00	0.00	0.00	
3,200.00	36.97	114.04	2,914.33	-413.32	926.74	1,014.73	0.00	0.00	0.00	
3,300.00	36.97	114.04	2,994.23	-437.81	981.66	1,074.86	0.00	0.00	0.00	
3,400.00	36.97	114.04	3,074.13	-462.31	1,036.58	1,135.00	0.00	0.00	0.00	
3,431.17	36.97	114.04	3,099.03	-469.94	1,053.69	1,153.74	0.00	0.00	0.00	
3,500.00	35.93	114.04	3,154.40	-486.60	1,091.04	1,194.63	1.50	-1.50	0.00	
3,600.00	34.43	114.04	3,236.13	-510.07	1,143.66	1,252.25	1.50	-1.50	0.00	
3,700.00	32.93	114.04	3,319.33	-532.66	1,194.31	1,307.71	1.50	-1.50	0.00	
3,800.00	31.43	114.04	3,403.97	-554.35	1,242.96	1,360.97	1.50	-1.50	0.00	
3,900.00	29.93	114.04	3,489.96	-575.13	1,289.56	1,412.00	1.50	-1.50	0.00	
4,000.00	28.43	114.04	3,577.27	-595.00	1,334.09	1,460.76	1.50	-1.50	0.00	
4,100.00	26.93	114.04	3,665.82	-613.92	1,376.52	1,507.22	1.50	-1.50	0.00	
4,200.00	25.43	114.04	3,755.55	-631.89	1,416.82	1,551.34	1.50	-1.50	0.00	
4,300.00	23.93	114.04	3,846.41	-648.90	1,454.96	1,593.10	1.50	-1.50	0.00	
4,400.00	22.43	114.04	3,938.34	-664.94	1,490.91	1,632.47	1.50	-1.50	0.00	
4,500.00	20.93	114.04	4,031.26	-679.98	1,524.66	1,669.42	1.50	-1.50	0.00	
4,600.00	19.43	114.04	4,125.11	-694.04	1,556.17	1,703.92	1.50	-1.50	0.00	
4,700.00	17.93	114.04	4,219.84	-707.09	1,585.42	1,735.95	1.50	-1.50	0.00	
4,800.00	16.43	114.04	4,315.37	-719.12	1,612.40	1,765.50	1.50	-1.50	0.00	
4,900.00	14.93	114.04	4,411.65	-730.13	1,637.09	1,792.53	1.50	-1.50	0.00	
5,000.00	13.43	114.04	4,508.60	-740.11	1,659.47	1,817.03	1.50	-1.50	0.00	

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Well:	Federal 11D-3-791	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	11.93	114.04	4,606.15	-749.05	1,679.52	1,838.99	1.50	-1.50	0.00
5,200.00	10.43	114.04	4,704.25	-756.95	1,697.23	1,858.38	1.50	-1.50	0.00
5,300.00	8.93	114.04	4,802.82	-763.81	1,712.60	1,875.20	1.50	-1.50	0.00
5,400.00	7.43	114.04	4,901.80	-769.60	1,725.60	1,889.44	1.50	-1.50	0.00
5,500.00	5.93	114.04	5,001.12	-774.34	1,736.23	1,901.08	1.50	-1.50	0.00
5,600.00	4.43	114.04	5,100.71	-778.02	1,744.48	1,910.11	1.50	-1.50	0.00
5,700.00	2.93	114.04	5,200.50	-780.64	1,750.34	1,916.53	1.50	-1.50	0.00
5,800.00	1.43	114.04	5,300.42	-782.19	1,753.82	1,920.35	1.50	-1.50	0.00
5,895.59	0.00	0.00	5,396.00	-782.68	1,754.92	1,921.54	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,400.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,000.00	0.00	0.00	5,500.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,100.00	0.00	0.00	5,600.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,200.00	0.00	0.00	5,700.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,300.00	0.00	0.00	5,800.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,400.00	0.00	0.00	5,900.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,500.00	0.00	0.00	6,000.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,600.00	0.00	0.00	6,100.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,700.00	0.00	0.00	6,200.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,800.00	0.00	0.00	6,300.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
6,900.00	0.00	0.00	6,400.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,000.00	0.00	0.00	6,500.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,100.00	0.00	0.00	6,600.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,200.00	0.00	0.00	6,700.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,300.00	0.00	0.00	6,800.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,400.00	0.00	0.00	6,900.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,500.00	0.00	0.00	7,000.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,600.00	0.00	0.00	7,100.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,700.00	0.00	0.00	7,200.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,800.00	0.00	0.00	7,300.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
7,900.00	0.00	0.00	7,400.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
8,000.00	0.00	0.00	7,500.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
8,100.00	0.00	0.00	7,600.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
8,200.00	0.00	0.00	7,700.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
8,300.00	0.00	0.00	7,800.41	-782.68	1,754.92	1,921.54	0.00	0.00	0.00
8,395.59	0.00	0.00	7,896.00	-782.68	1,754.92	1,921.54	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
800.00	800.00	9 5/8"	9-5/8	12-1/4

Bill Barrett Corp
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 11D-3-791
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6748.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6748.00ft (Original Well Elev)
Site:	MDP #26	North Reference:	True
Well:	Federal 11D-3-791	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

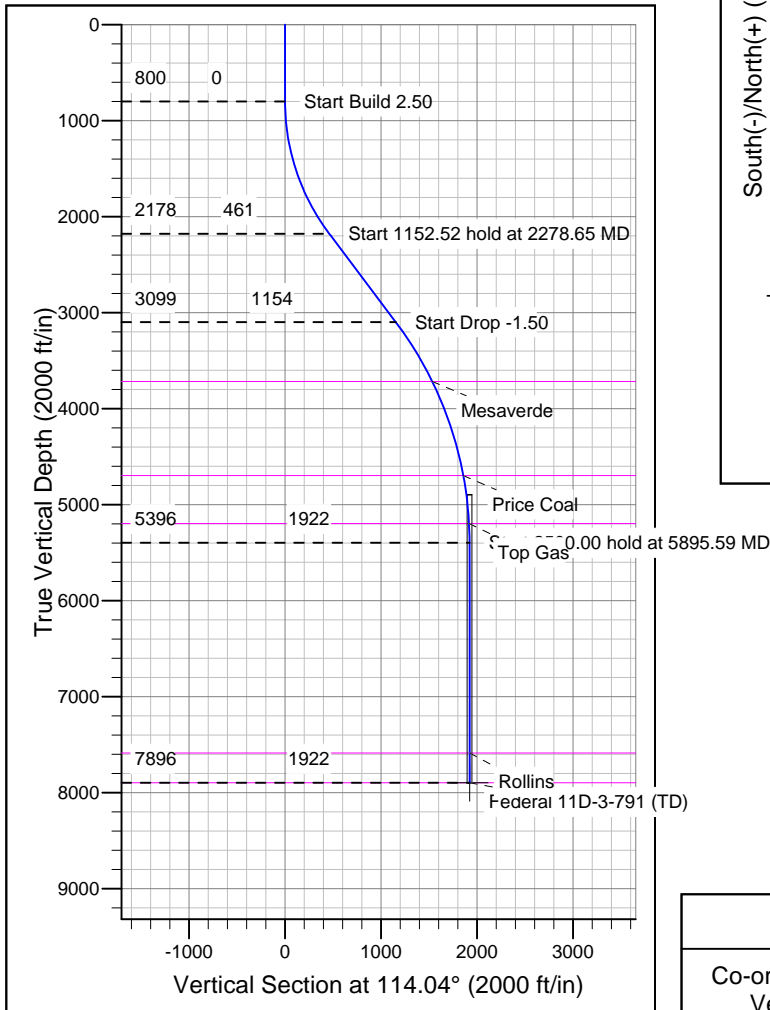
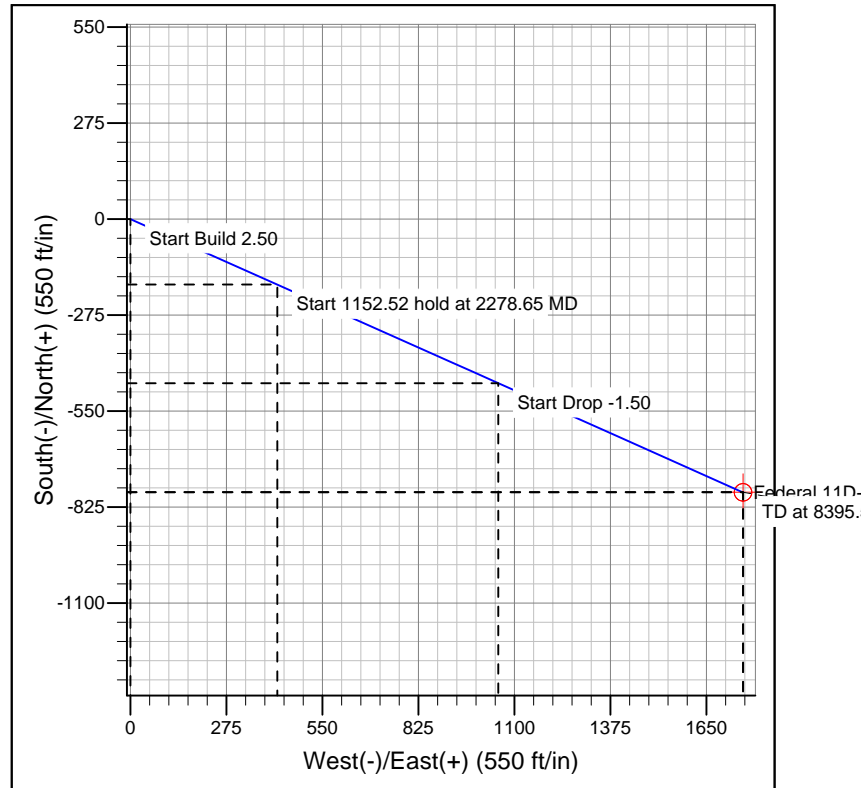
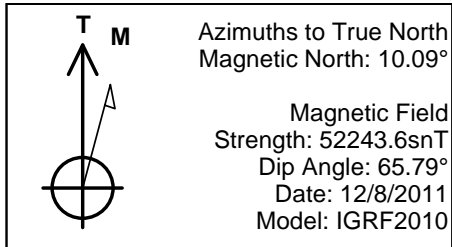
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,156.08	3,716.00	Mesaverde		0.00	
5,191.61	4,696.00	Price Coal		0.00	
5,695.49	5,196.00	Top Gas		0.00	
8,085.59	7,586.00	Rollins		0.00	
8,395.59	7,896.00	TD		0.00	

WELL DETAILS: Federal 11D-3-791

+N/-S	+E/-W	Northing	Ground Level:	0.00	Latitude	Longitude	Slot
0.00	0.00	1605967.918	Easting	2420490.626	39° 28' 45.033 N	107° 33' 11.5992 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	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	2278.65	36.97	114.04	2178.18	-187.64	420.73	2.50	114.04	460.68	
4	3431.17	36.97	114.04	3099.03	-469.94	1053.69	0.00	0.00	1153.74	
5	5895.59	0.00	0.00	5396.00	-782.68	1754.92	1.50	180.00	1921.54	
6	8395.59	0.00	0.00	7896.00	-782.68	1754.92	0.00	0.00	1921.54	Federal 11D-3-791 (TD)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3716.00	4156.08	Mesaverde
4696.00	5191.61	Price Coal
5196.00	5695.49	Top Gas
7586.00	8085.59	Rollins
7896.00	8395.59	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 11D-3-791, True North
Vertical (TVD) Reference: WELL @ 6748.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6748.00ft (Original Well Elev)
Calculation Method: Minimum Curvature