

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Federal NENW-26-692

Federal 22D-26-692

Wellbore #1

Plan: Design #1

Standard Planning Report

01 August, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 22D-26-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6057.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6057.00ft (Original Well Elev)
Site:	Federal NENW-26-692	North Reference:	True
Well:	Federal 22D-26-692	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	Federal NENW-26-692		
Site Position:		Northing:	1,614,540.080 ft
From:	Lat/Long	Easting:	2,396,753.691 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 4.324 N
		Longitude:	107° 38' 16.8252 W
		Grid Convergence:	-1.35 °

Well	Federal 22D-26-692		
Well Position	+N/-S	384.63 ft	Northing:
	+E/-W	102.43 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 8.125 N
			Longitude:
			107° 38' 15.5184 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	65.86	52,475

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	134.30

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	
1,037.48	5.94	134.30	1,037.05	-8.59	8.80	2.50	2.50	0.00	134.30	
5,237.87	5.94	134.30	5,214.91	-312.04	319.72	0.00	0.00	0.00	0.00	
5,633.66	0.00	0.00	5,610.00	-326.34	334.38	1.50	-1.50	0.00	180.00	
7,633.66	0.00	0.00	7,610.00	-326.34	334.38	0.00	0.00	0.00	0.00	Carter 22D-26-692

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Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6057.00ft (Original Well Elev)
Site:	Federal NENW-26-692	North Reference:	True
Well:	Federal 22D-26-692	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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	2.50	134.30	899.97	-1.52	1.56	2.18	2.50	2.50	0.00	
1,000.00	5.00	134.30	999.75	-6.09	6.24	8.72	2.50	2.50	0.00	
1,037.48	5.94	134.30	1,037.05	-8.59	8.80	12.29	2.50	2.50	0.00	
1,100.00	5.94	134.30	1,099.24	-13.10	13.43	18.76	0.00	0.00	0.00	
1,200.00	5.94	134.30	1,198.70	-20.33	20.83	29.10	0.00	0.00	0.00	
1,300.00	5.94	134.30	1,298.17	-27.55	28.23	39.45	0.00	0.00	0.00	
1,400.00	5.94	134.30	1,397.63	-34.78	35.63	49.79	0.00	0.00	0.00	
1,500.00	5.94	134.30	1,497.09	-42.00	43.03	60.13	0.00	0.00	0.00	
1,600.00	5.94	134.30	1,596.56	-49.22	50.44	70.48	0.00	0.00	0.00	
1,700.00	5.94	134.30	1,696.02	-56.45	57.84	80.82	0.00	0.00	0.00	
1,800.00	5.94	134.30	1,795.49	-63.67	65.24	91.16	0.00	0.00	0.00	
1,900.00	5.94	134.30	1,894.95	-70.90	72.64	101.51	0.00	0.00	0.00	
2,000.00	5.94	134.30	1,994.41	-78.12	80.05	111.85	0.00	0.00	0.00	
2,100.00	5.94	134.30	2,093.88	-85.35	87.45	122.19	0.00	0.00	0.00	
2,200.00	5.94	134.30	2,193.34	-92.57	94.85	132.54	0.00	0.00	0.00	
2,300.00	5.94	134.30	2,292.80	-99.79	102.25	142.88	0.00	0.00	0.00	
2,400.00	5.94	134.30	2,392.27	-107.02	109.65	153.22	0.00	0.00	0.00	
2,500.00	5.94	134.30	2,491.73	-114.24	117.06	163.57	0.00	0.00	0.00	
2,600.00	5.94	134.30	2,591.19	-121.47	124.46	173.91	0.00	0.00	0.00	
2,700.00	5.94	134.30	2,690.66	-128.69	131.86	184.25	0.00	0.00	0.00	
2,800.00	5.94	134.30	2,790.12	-135.92	139.26	194.60	0.00	0.00	0.00	
2,900.00	5.94	134.30	2,889.59	-143.14	146.67	204.94	0.00	0.00	0.00	
3,000.00	5.94	134.30	2,989.05	-150.36	154.07	215.28	0.00	0.00	0.00	
3,100.00	5.94	134.30	3,088.51	-157.59	161.47	225.63	0.00	0.00	0.00	
3,200.00	5.94	134.30	3,187.98	-164.81	168.87	235.97	0.00	0.00	0.00	
3,300.00	5.94	134.30	3,287.44	-172.04	176.27	246.31	0.00	0.00	0.00	
3,400.00	5.94	134.30	3,386.90	-179.26	183.68	256.66	0.00	0.00	0.00	
3,500.00	5.94	134.30	3,486.37	-186.49	191.08	267.00	0.00	0.00	0.00	
3,600.00	5.94	134.30	3,585.83	-193.71	198.48	277.34	0.00	0.00	0.00	
3,700.00	5.94	134.30	3,685.29	-200.93	205.88	287.69	0.00	0.00	0.00	
3,800.00	5.94	134.30	3,784.76	-208.16	213.29	298.03	0.00	0.00	0.00	
3,900.00	5.94	134.30	3,884.22	-215.38	220.69	308.37	0.00	0.00	0.00	
4,000.00	5.94	134.30	3,983.69	-222.61	228.09	318.72	0.00	0.00	0.00	
4,100.00	5.94	134.30	4,083.15	-229.83	235.49	329.06	0.00	0.00	0.00	
4,200.00	5.94	134.30	4,182.61	-237.06	242.90	339.40	0.00	0.00	0.00	
4,300.00	5.94	134.30	4,282.08	-244.28	250.30	349.75	0.00	0.00	0.00	
4,400.00	5.94	134.30	4,381.54	-251.50	257.70	360.09	0.00	0.00	0.00	
4,500.00	5.94	134.30	4,481.00	-258.73	265.10	370.43	0.00	0.00	0.00	
4,600.00	5.94	134.30	4,580.47	-265.95	272.50	380.78	0.00	0.00	0.00	
4,700.00	5.94	134.30	4,679.93	-273.18	279.91	391.12	0.00	0.00	0.00	
4,800.00	5.94	134.30	4,779.39	-280.40	287.31	401.46	0.00	0.00	0.00	
4,900.00	5.94	134.30	4,878.86	-287.63	294.71	411.81	0.00	0.00	0.00	
5,000.00	5.94	134.30	4,978.32	-294.85	302.11	422.15	0.00	0.00	0.00	
5,100.00	5.94	134.30	5,077.79	-302.08	309.52	432.49	0.00	0.00	0.00	

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Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6057.00ft (Original Well Elev)
Site:	Federal NENW-26-692	North Reference:	True
Well:	Federal 22D-26-692	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)
5,200.00	5.94	134.30	5,177.25	-309.30	316.92	442.84	0.00	0.00	0.00
5,237.87	5.94	134.30	5,214.91	-312.04	319.72	446.75	0.00	0.00	0.00
5,300.00	5.00	134.30	5,276.76	-316.17	323.96	452.68	1.50	-1.50	0.00
5,400.00	3.50	134.30	5,376.48	-321.35	329.27	460.09	1.50	-1.50	0.00
5,500.00	2.00	134.30	5,476.37	-324.71	332.71	464.90	1.50	-1.50	0.00
5,600.00	0.50	134.30	5,576.34	-326.24	334.28	467.09	1.50	-1.50	0.00
5,633.66	0.00	0.00	5,610.00	-326.34	334.38	467.24	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,676.34	-326.34	334.38	467.24	0.00	0.00	0.00
5,800.00	0.00	0.00	5,776.34	-326.34	334.38	467.24	0.00	0.00	0.00
5,900.00	0.00	0.00	5,876.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,000.00	0.00	0.00	5,976.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,100.00	0.00	0.00	6,076.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,200.00	0.00	0.00	6,176.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,300.00	0.00	0.00	6,276.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,400.00	0.00	0.00	6,376.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,500.00	0.00	0.00	6,476.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,600.00	0.00	0.00	6,576.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,700.00	0.00	0.00	6,676.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,800.00	0.00	0.00	6,776.34	-326.34	334.38	467.24	0.00	0.00	0.00
6,900.00	0.00	0.00	6,876.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,000.00	0.00	0.00	6,976.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,100.00	0.00	0.00	7,076.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,200.00	0.00	0.00	7,176.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,300.00	0.00	0.00	7,276.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,400.00	0.00	0.00	7,376.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,500.00	0.00	0.00	7,476.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,600.00	0.00	0.00	7,576.34	-326.34	334.38	467.24	0.00	0.00	0.00
7,633.66	0.00	0.00	7,610.00	-326.34	334.38	467.24	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

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,634.35	3,620.00	Mesaverde		0.00	
4,539.21	4,520.00	Price Coal		0.00	
5,478.62	5,455.00	Top Gas		0.00	
7,333.66	7,310.00	Rollins		0.00	
7,633.66	7,610.00	TD		0.00	

WELL DETAILS: Federal 22D-26-692

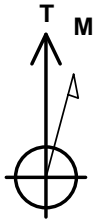
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1614922.188	2396865.144	0.00	39° 30' 8.125 N	07° 38' 15.5184 W	

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	1037.48	5.94	134.30	1037.05	-8.59	8.80	2.50	134.30	12.29	
4	5237.87	5.94	134.30	5214.91	-312.04	319.72	0.00	0.00	446.75	
5	5633.66	0.00	0.00	5610.00	-326.34	334.38	1.50	180.00	467.24	
6	7633.66	0.00	0.00	7610.00	-326.34	334.38	0.00	0.00	467.24	Carter 22D-26-692 (TD)

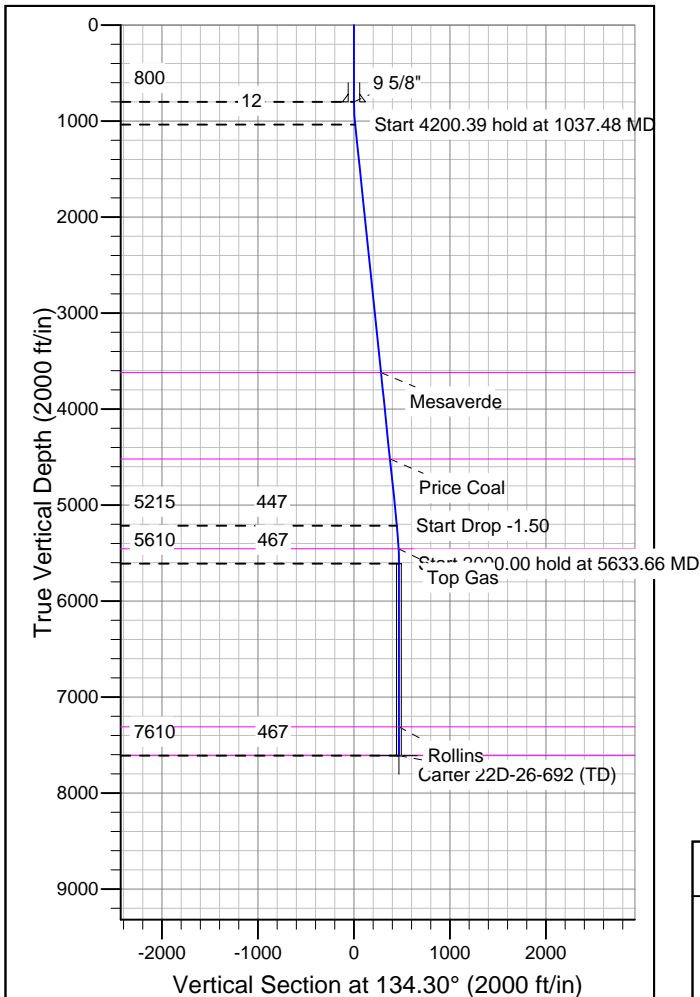
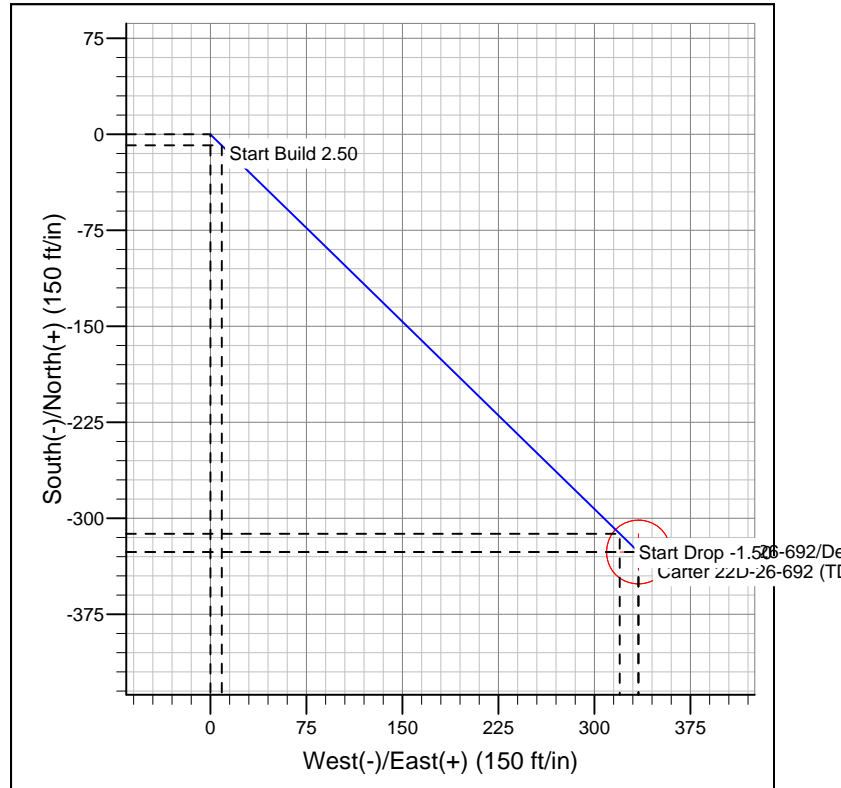
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Carter 22D-26-692 (TD)	7610.00	-326.34	334.38	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.36°

Magnetic Field
Strength: 52474.5nT
Dip Angle: 65.86°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3620.00	3634.35	Mesaverde
4520.00	4539.21	Price Coal
5455.00	5478.62	Top Gas
7310.00	7333.66	Rollins
7610.00	7633.66	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 22D-26-692, True North
Vertical (TVD) Reference: WELL @ 6057.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6057.00ft (Original Well Elev)
Calculation Method: Minimum Curvature