

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Federal NENW-26-692

Federal 21C-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 21C-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 21C-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 21C-26-692		
Well Position	+N/-S	394.46 ft	Northing:
	+E/-W	86.35 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	65.86	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	27.65

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	
1,180.96	9.52	27.65	1,179.21	27.98	14.66	2.50	2.50	0.00	27.65	
5,085.56	9.52	27.65	5,029.99	600.27	314.45	0.00	0.00	0.00	0.00	
5,720.49	0.00	0.00	5,662.00	646.91	338.88	1.50	-1.50	0.00	180.00	
7,720.49	0.00	0.00	7,662.00	646.91	338.88	0.00	0.00	0.00	0.00	Carter 21C-26-692

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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 21C-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	27.65	899.97	1.93	1.01	2.18	2.50	2.50	0.00	
1,000.00	5.00	27.65	999.75	7.73	4.05	8.72	2.50	2.50	0.00	
1,100.00	7.50	27.65	1,099.14	17.37	9.10	19.61	2.50	2.50	0.00	
1,180.96	9.52	27.65	1,179.21	27.98	14.66	31.59	2.50	2.50	0.00	
1,200.00	9.52	27.65	1,197.99	30.77	16.12	34.74	0.00	0.00	0.00	
1,300.00	9.52	27.65	1,296.61	45.43	23.80	51.29	0.00	0.00	0.00	
1,400.00	9.52	27.65	1,395.23	60.09	31.48	67.83	0.00	0.00	0.00	
1,500.00	9.52	27.65	1,493.85	74.74	39.15	84.38	0.00	0.00	0.00	
1,600.00	9.52	27.65	1,592.47	89.40	46.83	100.92	0.00	0.00	0.00	
1,700.00	9.52	27.65	1,691.09	104.06	54.51	117.47	0.00	0.00	0.00	
1,800.00	9.52	27.65	1,789.72	118.71	62.19	134.02	0.00	0.00	0.00	
1,900.00	9.52	27.65	1,888.34	133.37	69.87	150.56	0.00	0.00	0.00	
2,000.00	9.52	27.65	1,986.96	148.03	77.54	167.11	0.00	0.00	0.00	
2,100.00	9.52	27.65	2,085.58	162.68	85.22	183.65	0.00	0.00	0.00	
2,200.00	9.52	27.65	2,184.20	177.34	92.90	200.20	0.00	0.00	0.00	
2,300.00	9.52	27.65	2,282.82	192.00	100.58	216.75	0.00	0.00	0.00	
2,400.00	9.52	27.65	2,381.45	206.65	108.26	233.29	0.00	0.00	0.00	
2,500.00	9.52	27.65	2,480.07	221.31	115.93	249.84	0.00	0.00	0.00	
2,600.00	9.52	27.65	2,578.69	235.97	123.61	266.38	0.00	0.00	0.00	
2,700.00	9.52	27.65	2,677.31	250.62	131.29	282.93	0.00	0.00	0.00	
2,800.00	9.52	27.65	2,775.93	265.28	138.97	299.48	0.00	0.00	0.00	
2,900.00	9.52	27.65	2,874.55	279.94	146.65	316.02	0.00	0.00	0.00	
3,000.00	9.52	27.65	2,973.18	294.59	154.32	332.57	0.00	0.00	0.00	
3,100.00	9.52	27.65	3,071.80	309.25	162.00	349.12	0.00	0.00	0.00	
3,200.00	9.52	27.65	3,170.42	323.91	169.68	365.66	0.00	0.00	0.00	
3,300.00	9.52	27.65	3,269.04	338.57	177.36	382.21	0.00	0.00	0.00	
3,400.00	9.52	27.65	3,367.66	353.22	185.04	398.75	0.00	0.00	0.00	
3,500.00	9.52	27.65	3,466.28	367.88	192.71	415.30	0.00	0.00	0.00	
3,600.00	9.52	27.65	3,564.90	382.54	200.39	431.85	0.00	0.00	0.00	
3,700.00	9.52	27.65	3,663.53	397.19	208.07	448.39	0.00	0.00	0.00	
3,800.00	9.52	27.65	3,762.15	411.85	215.75	464.94	0.00	0.00	0.00	
3,900.00	9.52	27.65	3,860.77	426.51	223.43	481.48	0.00	0.00	0.00	
4,000.00	9.52	27.65	3,959.39	441.16	231.10	498.03	0.00	0.00	0.00	
4,100.00	9.52	27.65	4,058.01	455.82	238.78	514.58	0.00	0.00	0.00	
4,200.00	9.52	27.65	4,156.63	470.48	246.46	531.12	0.00	0.00	0.00	
4,300.00	9.52	27.65	4,255.26	485.13	254.14	547.67	0.00	0.00	0.00	
4,400.00	9.52	27.65	4,353.88	499.79	261.82	564.21	0.00	0.00	0.00	
4,500.00	9.52	27.65	4,452.50	514.45	269.49	580.76	0.00	0.00	0.00	
4,600.00	9.52	27.65	4,551.12	529.10	277.17	597.31	0.00	0.00	0.00	
4,700.00	9.52	27.65	4,649.74	543.76	284.85	613.85	0.00	0.00	0.00	
4,800.00	9.52	27.65	4,748.36	558.42	292.53	630.40	0.00	0.00	0.00	
4,900.00	9.52	27.65	4,846.99	573.07	300.21	646.94	0.00	0.00	0.00	
5,000.00	9.52	27.65	4,945.61	587.73	307.88	663.49	0.00	0.00	0.00	
5,085.56	9.52	27.65	5,029.99	600.27	314.45	677.65	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 21C-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)
5,100.00	9.31	27.65	5,044.23	602.36	315.55	680.01	1.50	-1.50	0.00
5,200.00	7.81	27.65	5,143.12	615.54	322.45	694.89	1.50	-1.50	0.00
5,300.00	6.31	27.65	5,242.36	626.43	328.16	707.17	1.50	-1.50	0.00
5,400.00	4.81	27.65	5,341.88	635.00	332.65	716.86	1.50	-1.50	0.00
5,500.00	3.31	27.65	5,441.63	641.27	335.93	723.93	1.50	-1.50	0.00
5,600.00	1.81	27.65	5,541.53	645.22	338.00	728.40	1.50	-1.50	0.00
5,700.00	0.31	27.65	5,641.51	646.86	338.86	730.24	1.50	-1.50	0.00
5,720.49	0.00	0.00	5,662.00	646.91	338.88	730.30	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,741.51	646.91	338.88	730.30	0.00	0.00	0.00
5,900.00	0.00	0.00	5,841.51	646.91	338.88	730.30	0.00	0.00	0.00
6,000.00	0.00	0.00	5,941.51	646.91	338.88	730.30	0.00	0.00	0.00
6,100.00	0.00	0.00	6,041.51	646.91	338.88	730.30	0.00	0.00	0.00
6,200.00	0.00	0.00	6,141.51	646.91	338.88	730.30	0.00	0.00	0.00
6,300.00	0.00	0.00	6,241.51	646.91	338.88	730.30	0.00	0.00	0.00
6,400.00	0.00	0.00	6,341.51	646.91	338.88	730.30	0.00	0.00	0.00
6,500.00	0.00	0.00	6,441.51	646.91	338.88	730.30	0.00	0.00	0.00
6,600.00	0.00	0.00	6,541.51	646.91	338.88	730.30	0.00	0.00	0.00
6,700.00	0.00	0.00	6,641.51	646.91	338.88	730.30	0.00	0.00	0.00
6,800.00	0.00	0.00	6,741.51	646.91	338.88	730.30	0.00	0.00	0.00
6,900.00	0.00	0.00	6,841.51	646.91	338.88	730.30	0.00	0.00	0.00
7,000.00	0.00	0.00	6,941.51	646.91	338.88	730.30	0.00	0.00	0.00
7,100.00	0.00	0.00	7,041.51	646.91	338.88	730.30	0.00	0.00	0.00
7,200.00	0.00	0.00	7,141.51	646.91	338.88	730.30	0.00	0.00	0.00
7,300.00	0.00	0.00	7,241.51	646.91	338.88	730.30	0.00	0.00	0.00
7,400.00	0.00	0.00	7,341.51	646.91	338.88	730.30	0.00	0.00	0.00
7,500.00	0.00	0.00	7,441.51	646.91	338.88	730.30	0.00	0.00	0.00
7,600.00	0.00	0.00	7,541.51	646.91	338.88	730.30	0.00	0.00	0.00
7,700.00	0.00	0.00	7,641.51	646.91	338.88	730.30	0.00	0.00	0.00
7,720.49	0.00	0.00	7,662.00	646.91	338.88	730.30	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	

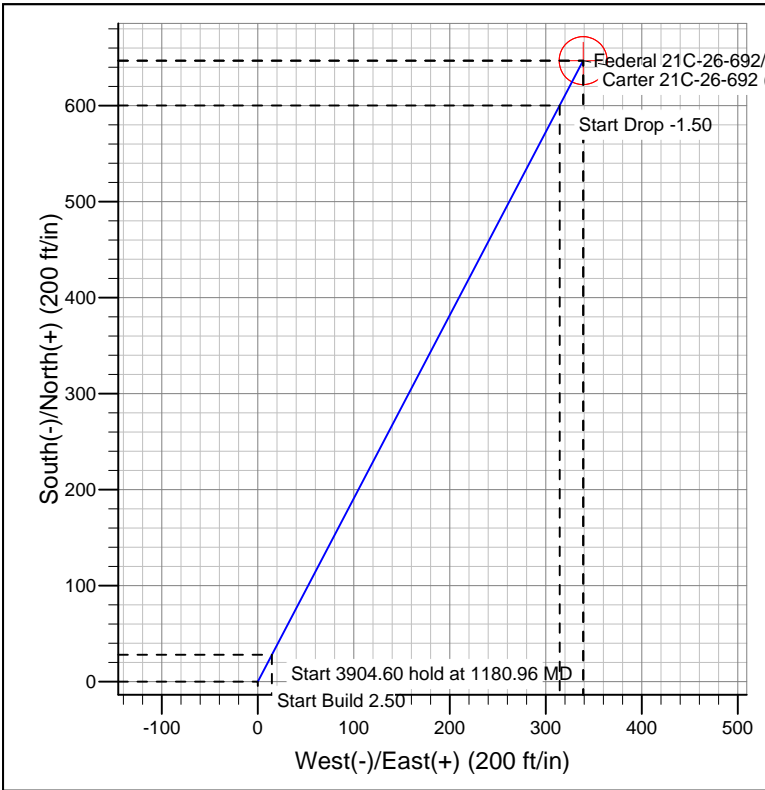
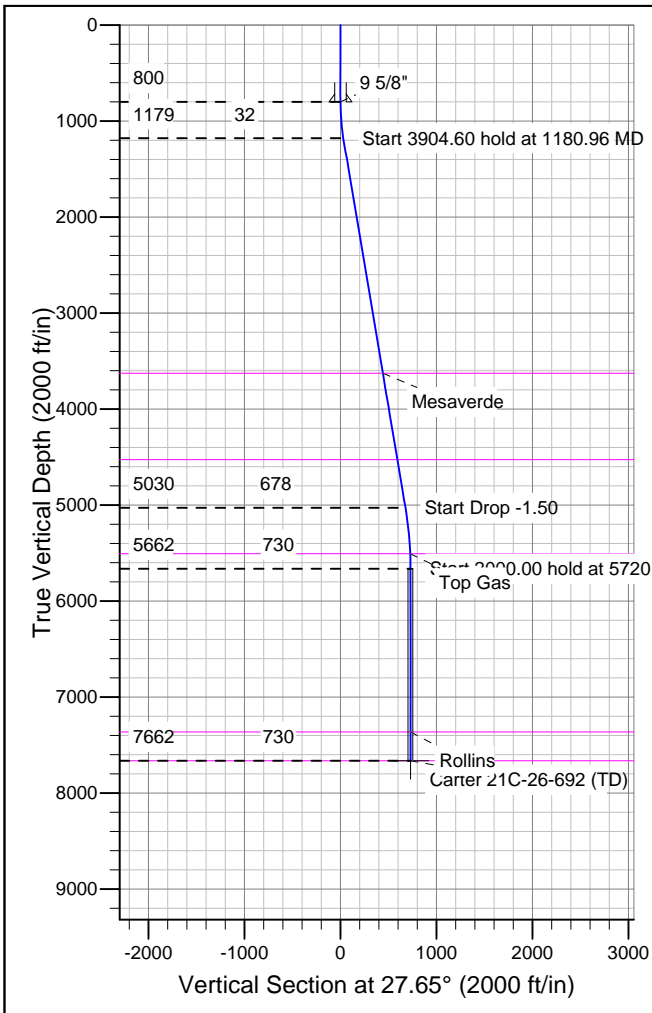
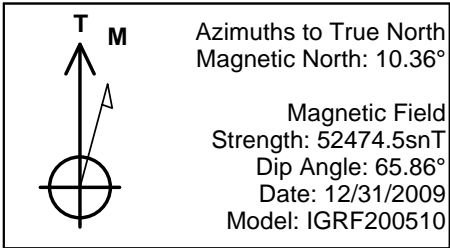
Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,662.96	3,627.00	Mesaverde		0.00	
4,575.54	4,527.00	Price Coal		0.00	
5,565.45	5,507.00	Top Gas		0.00	
7,420.49	7,362.00	Rollins		0.00	
7,720.49	7,662.00	TD		0.00	

WELL DETAILS: Federal 21C-26-692

Ground Level: 0.00								
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot		
0.00	0.00	1614932.398	2396849.296	39° 30' 8.222 N	07° 38' 15.7236 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	1180.96	9.52	27.65	1179.21	27.98	14.66	2.50	27.65	31.59	
4	5085.56	9.52	27.65	5029.99	600.27	314.45	0.00	0.00	677.65	
5	5720.49	0.00	0.00	5662.00	646.91	338.88	1.50	180.00	730.30	
6	7720.49	0.00	0.00	7662.00	646.91	338.88	0.00	0.00	730.30	Carter 21C-26-692 (TD)

WELLBORE TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
Carter 21C-26-692 (TD)	7662.00	646.91	338.88	Circle (Radius: 25.00)	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3627.00	3662.96	Mesaverde
4527.00	4575.54	Price Coal
5507.00	5565.45	Top Gas
7362.00	7420.49	Rollins
7662.00	7720.49	TD

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Federal 21C-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