

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Federal NENW-26-692

Federal 21D-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 21D-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 21D-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 21D-26-692		
Well Position	+N/-S	394.46 ft	Northing:
	+E/-W	78.45 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 8.222 N
			Longitude:
			107° 38' 15.8244 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	19.45

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	
1,355.92	13.90	19.45	1,350.48	63.27	22.34	2.50	2.50	0.00	19.45	
4,901.77	13.90	19.45	4,792.53	866.37	305.88	0.00	0.00	0.00	0.00	
5,828.30	0.00	0.00	5,710.00	971.81	343.11	1.50	-1.50	0.00	180.00	
7,828.30	0.00	0.00	7,710.00	971.81	343.11	0.00	0.00	0.00	0.00	Carter 21D-26-692

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Site:	Federal NENW-26-692	North Reference:	True
Well:	Federal 21D-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	19.45	899.97	2.06	0.73	2.18	2.50	2.50	0.00	
1,000.00	5.00	19.45	999.75	8.22	2.90	8.72	2.50	2.50	0.00	
1,100.00	7.50	19.45	1,099.14	18.49	6.53	19.61	2.50	2.50	0.00	
1,200.00	10.00	19.45	1,197.97	32.83	11.59	34.82	2.50	2.50	0.00	
1,300.00	12.50	19.45	1,296.04	51.23	18.09	54.33	2.50	2.50	0.00	
1,355.92	13.90	19.45	1,350.48	63.27	22.34	67.09	2.50	2.50	0.00	
1,400.00	13.90	19.45	1,393.27	73.25	25.86	77.68	0.00	0.00	0.00	
1,500.00	13.90	19.45	1,490.35	95.90	33.86	101.70	0.00	0.00	0.00	
1,600.00	13.90	19.45	1,587.42	118.55	41.86	125.72	0.00	0.00	0.00	
1,700.00	13.90	19.45	1,684.49	141.20	49.85	149.74	0.00	0.00	0.00	
1,800.00	13.90	19.45	1,781.56	163.85	57.85	173.76	0.00	0.00	0.00	
1,900.00	13.90	19.45	1,878.64	186.50	65.84	197.78	0.00	0.00	0.00	
2,000.00	13.90	19.45	1,975.71	209.14	73.84	221.80	0.00	0.00	0.00	
2,100.00	13.90	19.45	2,072.78	231.79	81.84	245.82	0.00	0.00	0.00	
2,200.00	13.90	19.45	2,169.85	254.44	89.83	269.84	0.00	0.00	0.00	
2,300.00	13.90	19.45	2,266.93	277.09	97.83	293.85	0.00	0.00	0.00	
2,400.00	13.90	19.45	2,364.00	299.74	105.83	317.87	0.00	0.00	0.00	
2,500.00	13.90	19.45	2,461.07	322.39	113.82	341.89	0.00	0.00	0.00	
2,600.00	13.90	19.45	2,558.14	345.04	121.82	365.91	0.00	0.00	0.00	
2,700.00	13.90	19.45	2,655.22	367.69	129.82	389.93	0.00	0.00	0.00	
2,800.00	13.90	19.45	2,752.29	390.34	137.81	413.95	0.00	0.00	0.00	
2,900.00	13.90	19.45	2,849.36	412.99	145.81	437.97	0.00	0.00	0.00	
3,000.00	13.90	19.45	2,946.43	435.64	153.81	461.99	0.00	0.00	0.00	
3,100.00	13.90	19.45	3,043.51	458.28	161.80	486.01	0.00	0.00	0.00	
3,200.00	13.90	19.45	3,140.58	480.93	169.80	510.03	0.00	0.00	0.00	
3,300.00	13.90	19.45	3,237.65	503.58	177.80	534.05	0.00	0.00	0.00	
3,400.00	13.90	19.45	3,334.72	526.23	185.79	558.07	0.00	0.00	0.00	
3,500.00	13.90	19.45	3,431.80	548.88	193.79	582.09	0.00	0.00	0.00	
3,600.00	13.90	19.45	3,528.87	571.53	201.79	606.11	0.00	0.00	0.00	
3,700.00	13.90	19.45	3,625.94	594.18	209.78	630.13	0.00	0.00	0.00	
3,800.00	13.90	19.45	3,723.01	616.83	217.78	654.14	0.00	0.00	0.00	
3,900.00	13.90	19.45	3,820.09	639.48	225.78	678.16	0.00	0.00	0.00	
4,000.00	13.90	19.45	3,917.16	662.13	233.77	702.18	0.00	0.00	0.00	
4,100.00	13.90	19.45	4,014.23	684.78	241.77	726.20	0.00	0.00	0.00	
4,200.00	13.90	19.45	4,111.30	707.42	249.77	750.22	0.00	0.00	0.00	
4,300.00	13.90	19.45	4,208.38	730.07	257.76	774.24	0.00	0.00	0.00	
4,400.00	13.90	19.45	4,305.45	752.72	265.76	798.26	0.00	0.00	0.00	
4,500.00	13.90	19.45	4,402.52	775.37	273.76	822.28	0.00	0.00	0.00	
4,600.00	13.90	19.45	4,499.59	798.02	281.75	846.30	0.00	0.00	0.00	
4,700.00	13.90	19.45	4,596.67	820.67	289.75	870.32	0.00	0.00	0.00	
4,800.00	13.90	19.45	4,693.74	843.32	297.75	894.34	0.00	0.00	0.00	
4,900.00	13.90	19.45	4,790.81	865.97	305.74	918.36	0.00	0.00	0.00	
4,901.77	13.90	19.45	4,792.53	866.37	305.88	918.78	0.00	0.00	0.00	
5,000.00	12.42	19.45	4,888.18	887.46	313.33	941.15	1.50	-1.50	0.00	

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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 21D-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	10.92	19.45	4,986.11	906.54	320.07	961.38	1.50	-1.50	0.00
5,200.00	9.42	19.45	5,084.53	923.19	325.95	979.05	1.50	-1.50	0.00
5,300.00	7.92	19.45	5,183.38	937.42	330.97	994.13	1.50	-1.50	0.00
5,400.00	6.42	19.45	5,282.60	949.19	335.13	1,006.62	1.50	-1.50	0.00
5,500.00	4.92	19.45	5,382.11	958.52	338.42	1,016.50	1.50	-1.50	0.00
5,600.00	3.42	19.45	5,481.84	965.38	340.84	1,023.78	1.50	-1.50	0.00
5,700.00	1.92	19.45	5,581.73	969.78	342.40	1,028.45	1.50	-1.50	0.00
5,800.00	0.42	19.45	5,681.70	971.71	343.08	1,030.50	1.50	-1.50	0.00
5,828.30	0.00	0.00	5,710.00	971.81	343.11	1,030.60	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,781.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,000.00	0.00	0.00	5,881.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,100.00	0.00	0.00	5,981.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,200.00	0.00	0.00	6,081.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,300.00	0.00	0.00	6,181.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,400.00	0.00	0.00	6,281.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,500.00	0.00	0.00	6,381.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,600.00	0.00	0.00	6,481.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,700.00	0.00	0.00	6,581.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,800.00	0.00	0.00	6,681.70	971.81	343.11	1,030.60	0.00	0.00	0.00
6,900.00	0.00	0.00	6,781.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,000.00	0.00	0.00	6,881.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,100.00	0.00	0.00	6,981.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,200.00	0.00	0.00	7,081.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,300.00	0.00	0.00	7,181.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,400.00	0.00	0.00	7,281.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,500.00	0.00	0.00	7,381.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,600.00	0.00	0.00	7,481.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,700.00	0.00	0.00	7,581.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,800.00	0.00	0.00	7,681.70	971.81	343.11	1,030.60	0.00	0.00	0.00
7,828.30	0.00	0.00	7,710.00	971.81	343.11	1,030.60	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 (°)
3,735.08	3,660.00	Mesaverde		0.00	
4,662.23	4,560.00	Price Coal		0.00	
5,673.26	5,555.00	Top Gas		0.00	
7,528.30	7,410.00	Rollins		0.00	
7,828.30	7,710.00	TD		0.00	

WELL DETAILS: Federal 21D-26-692

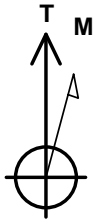
Ground Level: 0.00							Slot	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
0.00	0.00	1614932.584	2396841.397	39° 30' 8.222 N	07° 38' 15.8244 W			

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	1355.92	13.90	19.45	1350.48	63.27	22.34	2.50	19.45	67.09	
4	4901.77	13.90	19.45	4792.53	866.37	305.88	0.00	0.00	918.78	
5	5828.30	0.00	0.00	5710.00	971.81	343.11	1.50	180.00	1030.60	
6	7828.30	0.00	0.00	7710.00	971.81	343.11	0.00	0.00	1030.60	Carter 21D-26-692 (TD)

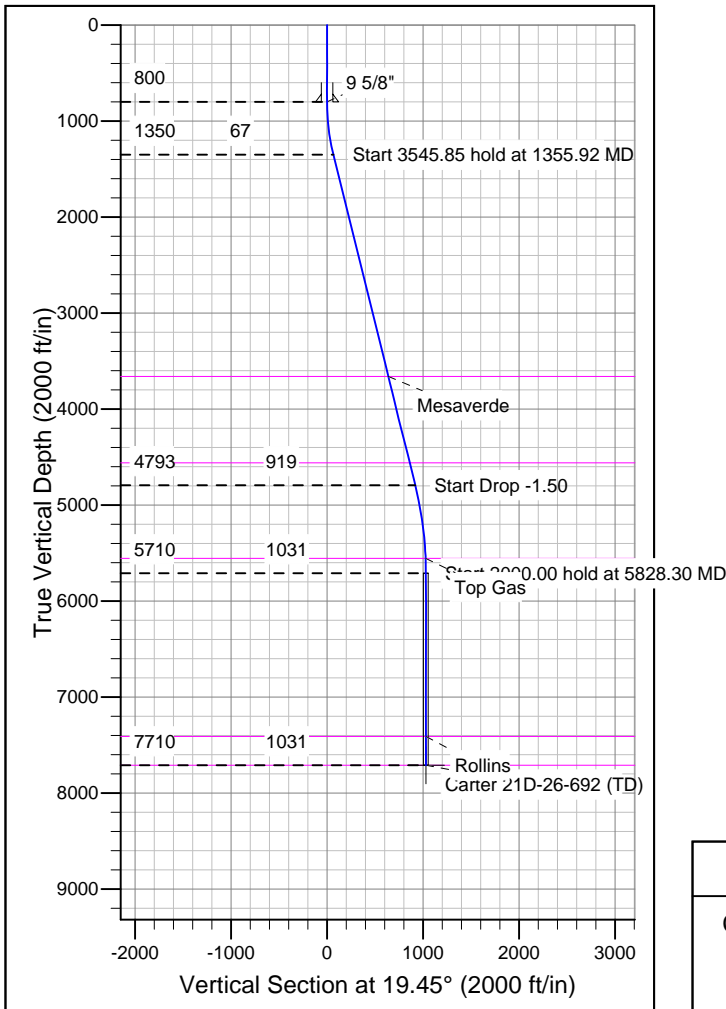
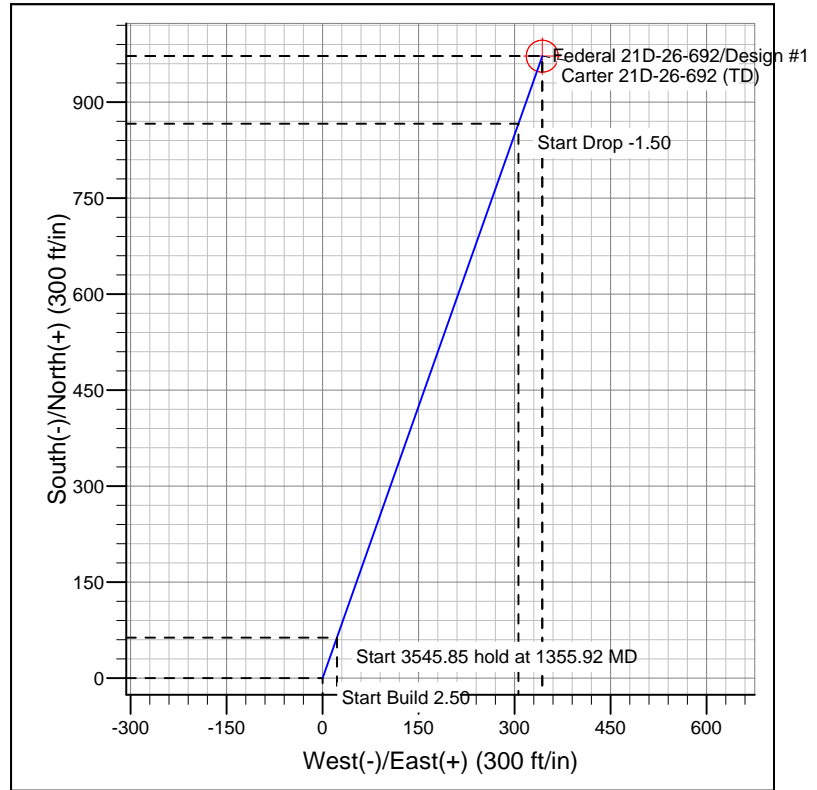
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Carter 21D-26-692 (TD)	7710.00	971.81	343.11	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
3660.00	3735.08	Mesaverde
4560.00	4662.23	Price Coal
5555.00	5673.26	Top Gas
7410.00	7528.30	Rollins
7710.00	7828.30	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 21D-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