

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**Robinson SESE-26-692**

**Robinson 44C-26-692**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**27 October, 2011**

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Robinson 44C-26-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Site:</b>	Robinson SESE-26-692	<b>North Reference:</b>	True
<b>Well:</b>	Robinson 44C-26-692	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	GARFIELD COUNTY, COLORADO NAD 1983		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	Robinson SESE-26-692		
<b>Site Position:</b>		<b>Northing:</b>	1,611,273.766 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,400,075.613 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	39° 29' 32.820 N
		<b>Longitude:</b>	107° 37' 33.4812 W
		<b>Grid Convergence:</b>	-1.34 °

<b>Well</b>	Robinson 44C-26-692		
<b>Well Position</b>	<b>+N/-S</b>	-94.35 ft	<b>Northing:</b>
	<b>+E/-W</b>	-56.44 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>
			ft
			<b>Latitude:</b>
			39° 29' 31.887 N
			<b>Longitude:</b>
			107° 37' 34.2012 W
			<b>Ground Level:</b>
			0.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	7/22/2009	10.43	65.86	52,490

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	327.63

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
998.35	6.21	327.63	997.87	11.35	-7.20	2.50	2.50	0.00	327.63	
4,858.01	6.21	327.63	4,834.89	363.90	-230.71	0.00	0.00	0.00	0.00	
5,271.93	0.00	0.00	5,248.00	382.83	-242.70	1.50	-1.50	0.00	180.00	
7,271.93	0.00	0.00	7,248.00	382.83	-242.70	0.00	0.00	0.00	0.00	Robinson 44C-26-6

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Robinson 44C-26-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Site:</b>	Robinson SESE-26-692	<b>North Reference:</b>	True
<b>Well:</b>	Robinson 44C-26-692	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.25	327.63	800.00	0.46	-0.29	0.55	2.50	2.50	0.00	
900.00	3.75	327.63	899.89	4.14	-2.63	4.91	2.50	2.50	0.00	
998.35	6.21	327.63	997.87	11.35	-7.20	13.44	2.50	2.50	0.00	
1,000.00	6.21	327.63	999.50	11.50	-7.29	13.62	0.00	0.00	0.00	
1,100.00	6.21	327.63	1,098.92	20.64	-13.08	24.44	0.00	0.00	0.00	
1,200.00	6.21	327.63	1,198.33	29.77	-18.88	35.25	0.00	0.00	0.00	
1,300.00	6.21	327.63	1,297.74	38.91	-24.67	46.07	0.00	0.00	0.00	
1,400.00	6.21	327.63	1,397.16	48.04	-30.46	56.88	0.00	0.00	0.00	
1,500.00	6.21	327.63	1,496.57	57.18	-36.25	67.70	0.00	0.00	0.00	
1,600.00	6.21	327.63	1,595.99	66.31	-42.04	78.51	0.00	0.00	0.00	
1,700.00	6.21	327.63	1,695.40	75.44	-47.83	89.33	0.00	0.00	0.00	
1,800.00	6.21	327.63	1,794.81	84.58	-53.62	100.14	0.00	0.00	0.00	
1,900.00	6.21	327.63	1,894.23	93.71	-59.41	110.96	0.00	0.00	0.00	
2,000.00	6.21	327.63	1,993.64	102.85	-65.20	121.77	0.00	0.00	0.00	
2,100.00	6.21	327.63	2,093.05	111.98	-70.99	132.59	0.00	0.00	0.00	
2,200.00	6.21	327.63	2,192.47	121.11	-76.78	143.40	0.00	0.00	0.00	
2,300.00	6.21	327.63	2,291.88	130.25	-82.57	154.22	0.00	0.00	0.00	
2,400.00	6.21	327.63	2,391.29	139.38	-88.37	165.03	0.00	0.00	0.00	
2,500.00	6.21	327.63	2,490.71	148.52	-94.16	175.85	0.00	0.00	0.00	
2,600.00	6.21	327.63	2,590.12	157.65	-99.95	186.66	0.00	0.00	0.00	
2,700.00	6.21	327.63	2,689.53	166.79	-105.74	197.48	0.00	0.00	0.00	
2,800.00	6.21	327.63	2,788.95	175.92	-111.53	208.29	0.00	0.00	0.00	
2,900.00	6.21	327.63	2,888.36	185.05	-117.32	219.11	0.00	0.00	0.00	
3,000.00	6.21	327.63	2,987.77	194.19	-123.11	229.92	0.00	0.00	0.00	
3,100.00	6.21	327.63	3,087.19	203.32	-128.90	240.74	0.00	0.00	0.00	
3,200.00	6.21	327.63	3,186.60	212.46	-134.69	251.56	0.00	0.00	0.00	
3,300.00	6.21	327.63	3,286.01	221.59	-140.48	262.37	0.00	0.00	0.00	
3,400.00	6.21	327.63	3,385.43	230.73	-146.27	273.19	0.00	0.00	0.00	
3,500.00	6.21	327.63	3,484.84	239.86	-152.07	284.00	0.00	0.00	0.00	
3,600.00	6.21	327.63	3,584.25	248.99	-157.86	294.82	0.00	0.00	0.00	
3,700.00	6.21	327.63	3,683.67	258.13	-163.65	305.63	0.00	0.00	0.00	
3,800.00	6.21	327.63	3,783.08	267.26	-169.44	316.45	0.00	0.00	0.00	
3,900.00	6.21	327.63	3,882.49	276.40	-175.23	327.26	0.00	0.00	0.00	
4,000.00	6.21	327.63	3,981.91	285.53	-181.02	338.08	0.00	0.00	0.00	
4,100.00	6.21	327.63	4,081.32	294.66	-186.81	348.89	0.00	0.00	0.00	
4,200.00	6.21	327.63	4,180.73	303.80	-192.60	359.71	0.00	0.00	0.00	
4,300.00	6.21	327.63	4,280.15	312.93	-198.39	370.52	0.00	0.00	0.00	
4,400.00	6.21	327.63	4,379.56	322.07	-204.18	381.34	0.00	0.00	0.00	
4,500.00	6.21	327.63	4,478.97	331.20	-209.97	392.15	0.00	0.00	0.00	
4,600.00	6.21	327.63	4,578.39	340.34	-215.76	402.97	0.00	0.00	0.00	
4,700.00	6.21	327.63	4,677.80	349.47	-221.56	413.78	0.00	0.00	0.00	
4,800.00	6.21	327.63	4,777.22	358.60	-227.35	424.60	0.00	0.00	0.00	
4,858.01	6.21	327.63	4,834.89	363.90	-230.71	430.87	0.00	0.00	0.00	
4,900.00	5.58	327.63	4,876.65	367.54	-233.01	435.18	1.50	-1.50	0.00	

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## Planning Report

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<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5970.00ft (Original Well Elev)
<b>Site:</b>	Robinson SESE-26-692	<b>North Reference:</b>	True
<b>Well:</b>	Robinson 44C-26-692	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
5,000.00	4.08	327.63	4,976.30	374.65	-237.52	443.60	1.50	-1.50	0.00
5,100.00	2.58	327.63	5,076.12	379.56	-240.63	449.41	1.50	-1.50	0.00
5,200.00	1.08	327.63	5,176.07	382.25	-242.34	452.60	1.50	-1.50	0.00
5,271.93	0.00	0.00	5,248.00	382.83	-242.70	453.28	1.50	-1.50	0.00
5,300.00	0.00	0.00	5,276.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,400.00	0.00	0.00	5,376.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,500.00	0.00	0.00	5,476.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,600.00	0.00	0.00	5,576.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,700.00	0.00	0.00	5,676.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,800.00	0.00	0.00	5,776.07	382.83	-242.70	453.28	0.00	0.00	0.00
5,900.00	0.00	0.00	5,876.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,000.00	0.00	0.00	5,976.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,100.00	0.00	0.00	6,076.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,200.00	0.00	0.00	6,176.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,300.00	0.00	0.00	6,276.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,400.00	0.00	0.00	6,376.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,500.00	0.00	0.00	6,476.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,600.00	0.00	0.00	6,576.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,700.00	0.00	0.00	6,676.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,800.00	0.00	0.00	6,776.07	382.83	-242.70	453.28	0.00	0.00	0.00
6,900.00	0.00	0.00	6,876.07	382.83	-242.70	453.28	0.00	0.00	0.00
7,000.00	0.00	0.00	6,976.07	382.83	-242.70	453.28	0.00	0.00	0.00
7,100.00	0.00	0.00	7,076.07	382.83	-242.70	453.28	0.00	0.00	0.00
7,200.00	0.00	0.00	7,176.07	382.83	-242.70	453.28	0.00	0.00	0.00
7,271.93	0.00	0.00	7,248.00	382.83	-242.70	453.28	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
750.00	750.00	9 5/8"	9-5/8	12-1/4

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,276.85	3,263.00	Mesaverde		0.00	
4,167.07	4,148.00	Price Coal		0.00	
4,851.08	4,828.00	Top Gas		0.00	
6,971.93	6,948.00	Rollins		0.00	
7,271.93	7,248.00	TD		0.00	

# WELL DETAILS: Robinson 44C-26-692

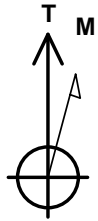
+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1611180.766	Easting	2400016.977	Latitude	Longitude
				39° 29' 31.887 N	107° 37' 34.2012 W	Slot

## 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	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	
3	998.35	6.21	327.63	997.87	11.35	-7.20	2.50	327.63	13.44	
4	4858.01	6.21	327.63	4834.89	363.90	-230.71	0.00	0.00	430.87	
5	5271.93	0.00	0.00	5248.00	382.83	-242.70	1.50	180.00	453.28	
6	7271.93	0.00	0.00	7248.00	382.83	-242.70	0.00	0.00	453.28	Robinson 44C-26-692 TD

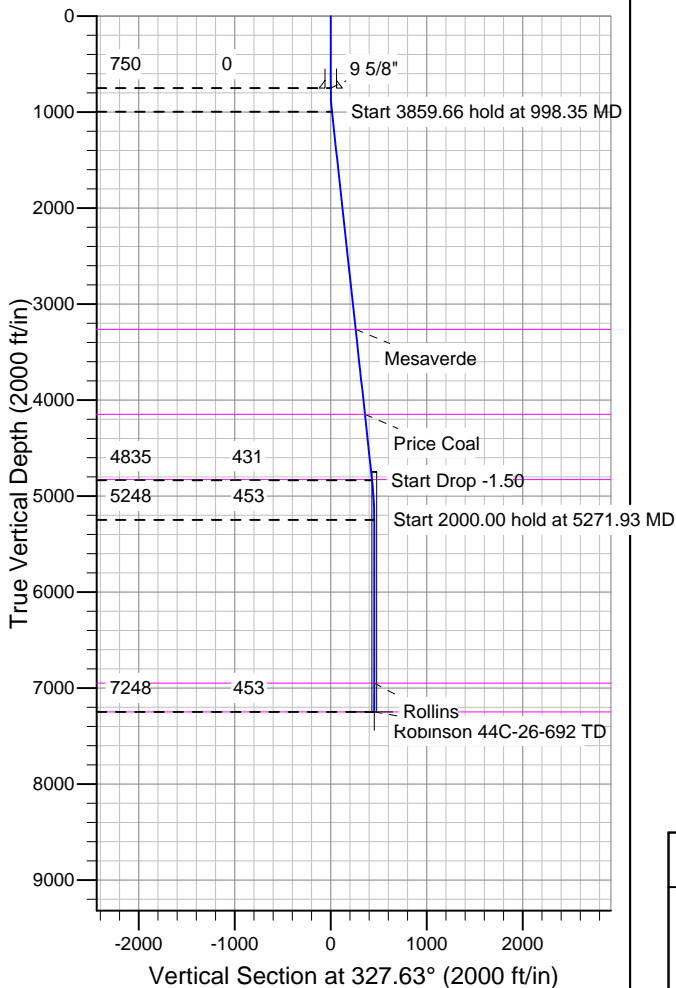
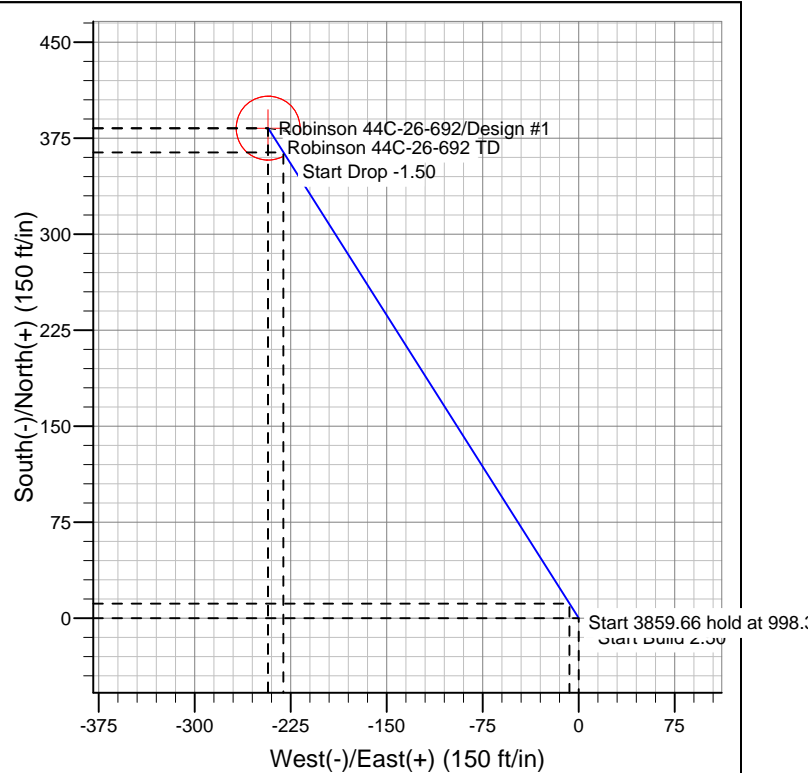
## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Robinson 44C-26-692 TD	7248.00	382.83	-242.70	Circle (Radius: 25.00)



Azimuths to True North  
Magnetic North: 10.43°

Magnetic Field  
Strength: 52489.9snT  
Dip Angle: 65.86°  
Date: 7/22/2009  
Model: IGRF2010



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3263.00	3276.85	Mesaverde
4148.00	4167.07	Price Coal
4828.00	4851.08	Top Gas
6948.00	6971.93	Rollins
7248.00	7271.93	TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Robinson 44C-26-692, True North  
Vertical (TVD) Reference: WELL @ 5970.00ft (Original Well Elev)  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: WELL @ 5970.00ft (Original Well Elev)  
Calculation Method: Minimum Curvature