

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**Dixon SENW-32D-23-692**

**Dixon Federal 22C-23-692**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**10 August, 2011**

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Dixon Federal 22C-23-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5964.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5964.00ft (Original Well Elev)
<b>Site:</b>	Dixon SENW-32D-23-692	<b>North Reference:</b>	True
<b>Well:</b>	Dixon Federal 22C-23-692	<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>	Dixon SENW-32D-23-692		
<b>Site Position:</b>		<b>Northing:</b>	1,619,432.051 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,396,972.411 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	39° 30' 52.711 N
		<b>Longitude:</b>	107° 38' 15.5040 W
		<b>Grid Convergence:</b>	-1.35 °

<b>Well</b>	Dixon Federal 22C-23-692		
<b>Well Position</b>	<b>+N/-S</b>	-19.69 ft	<b>Northing:</b>
	<b>+E/-W</b>	759.20 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>
			ft
			<b>Latitude:</b>
			39° 30' 52.517 N
			<b>Longitude:</b>
			107° 38' 5.8164 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>
	IGRF200510	12/31/2009	10.36	65.87	52,482

<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	281.24

<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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,037.72	5.94	281.24	1,037.29	2.40	-12.08	2.50	2.50	0.00	281.24	
5,415.47	5.94	281.24	5,391.51	90.72	-456.66	0.00	0.00	0.00	0.00	
5,811.66	0.00	0.00	5,787.00	94.72	-476.79	1.50	-1.50	0.00	180.00	
7,811.66	0.00	0.00	7,787.00	94.72	-476.79	0.00	0.00	0.00	0.00	Dixon Federal 22C-

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## Planning Report

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<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5964.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5964.00ft (Original Well Elev)
<b>Site:</b>	Dixon SENW-32D-23-692	<b>North Reference:</b>	True
<b>Well:</b>	Dixon Federal 22C-23-692	<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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	2.50	281.24	899.97	0.43	-2.14	2.18	2.50	2.50	0.00	
1,000.00	5.00	281.24	999.75	1.70	-8.55	8.72	2.50	2.50	0.00	
1,037.72	5.94	281.24	1,037.29	2.40	-12.08	12.32	2.50	2.50	0.00	
1,100.00	5.94	281.24	1,099.24	3.66	-18.41	18.77	0.00	0.00	0.00	
1,200.00	5.94	281.24	1,198.70	5.67	-28.56	29.12	0.00	0.00	0.00	
1,300.00	5.94	281.24	1,298.16	7.69	-38.72	39.47	0.00	0.00	0.00	
1,400.00	5.94	281.24	1,397.63	9.71	-48.87	49.83	0.00	0.00	0.00	
1,500.00	5.94	281.24	1,497.09	11.73	-59.03	60.18	0.00	0.00	0.00	
1,600.00	5.94	281.24	1,596.55	13.74	-69.18	70.53	0.00	0.00	0.00	
1,700.00	5.94	281.24	1,696.01	15.76	-79.34	80.89	0.00	0.00	0.00	
1,800.00	5.94	281.24	1,795.48	17.78	-89.49	91.24	0.00	0.00	0.00	
1,900.00	5.94	281.24	1,894.94	19.80	-99.65	101.60	0.00	0.00	0.00	
2,000.00	5.94	281.24	1,994.40	21.81	-109.80	111.95	0.00	0.00	0.00	
2,100.00	5.94	281.24	2,093.86	23.83	-119.96	122.30	0.00	0.00	0.00	
2,200.00	5.94	281.24	2,193.33	25.85	-130.11	132.66	0.00	0.00	0.00	
2,300.00	5.94	281.24	2,292.79	27.87	-140.27	143.01	0.00	0.00	0.00	
2,400.00	5.94	281.24	2,392.25	29.88	-150.43	153.37	0.00	0.00	0.00	
2,500.00	5.94	281.24	2,491.71	31.90	-160.58	163.72	0.00	0.00	0.00	
2,600.00	5.94	281.24	2,591.18	33.92	-170.74	174.07	0.00	0.00	0.00	
2,700.00	5.94	281.24	2,690.64	35.93	-180.89	184.43	0.00	0.00	0.00	
2,800.00	5.94	281.24	2,790.10	37.95	-191.05	194.78	0.00	0.00	0.00	
2,900.00	5.94	281.24	2,889.57	39.97	-201.20	205.13	0.00	0.00	0.00	
3,000.00	5.94	281.24	2,989.03	41.99	-211.36	215.49	0.00	0.00	0.00	
3,100.00	5.94	281.24	3,088.49	44.00	-221.51	225.84	0.00	0.00	0.00	
3,200.00	5.94	281.24	3,187.95	46.02	-231.67	236.20	0.00	0.00	0.00	
3,300.00	5.94	281.24	3,287.42	48.04	-241.82	246.55	0.00	0.00	0.00	
3,400.00	5.94	281.24	3,386.88	50.06	-251.98	256.90	0.00	0.00	0.00	
3,500.00	5.94	281.24	3,486.34	52.07	-262.13	267.26	0.00	0.00	0.00	
3,600.00	5.94	281.24	3,585.80	54.09	-272.29	277.61	0.00	0.00	0.00	
3,700.00	5.94	281.24	3,685.27	56.11	-282.44	287.96	0.00	0.00	0.00	
3,800.00	5.94	281.24	3,784.73	58.13	-292.60	298.32	0.00	0.00	0.00	
3,900.00	5.94	281.24	3,884.19	60.14	-302.76	308.67	0.00	0.00	0.00	
4,000.00	5.94	281.24	3,983.65	62.16	-312.91	319.03	0.00	0.00	0.00	
4,100.00	5.94	281.24	4,083.12	64.18	-323.07	329.38	0.00	0.00	0.00	
4,200.00	5.94	281.24	4,182.58	66.20	-333.22	339.73	0.00	0.00	0.00	
4,300.00	5.94	281.24	4,282.04	68.21	-343.38	350.09	0.00	0.00	0.00	
4,400.00	5.94	281.24	4,381.50	70.23	-353.53	360.44	0.00	0.00	0.00	
4,500.00	5.94	281.24	4,480.97	72.25	-363.69	370.79	0.00	0.00	0.00	
4,600.00	5.94	281.24	4,580.43	74.27	-373.84	381.15	0.00	0.00	0.00	
4,700.00	5.94	281.24	4,679.89	76.28	-384.00	391.50	0.00	0.00	0.00	
4,800.00	5.94	281.24	4,779.35	78.30	-394.15	401.86	0.00	0.00	0.00	
4,900.00	5.94	281.24	4,878.82	80.32	-404.31	412.21	0.00	0.00	0.00	
5,000.00	5.94	281.24	4,978.28	82.33	-414.46	422.56	0.00	0.00	0.00	
5,100.00	5.94	281.24	5,077.74	84.35	-424.62	432.92	0.00	0.00	0.00	

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<b>Well:</b>	Dixon Federal 22C-23-692	<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)	
5,200.00	5.94	281.24	5,177.20	86.37	-434.77	443.27	0.00	0.00	0.00	
5,300.00	5.94	281.24	5,276.67	88.39	-444.93	453.62	0.00	0.00	0.00	
5,400.00	5.94	281.24	5,376.13	90.40	-455.09	463.98	0.00	0.00	0.00	
5,415.47	5.94	281.24	5,391.51	90.72	-456.66	465.58	0.00	0.00	0.00	
5,500.00	4.67	281.24	5,475.68	92.24	-464.33	473.40	1.50	-1.50	0.00	
5,600.00	3.17	281.24	5,575.44	93.57	-471.04	480.25	1.50	-1.50	0.00	
5,700.00	1.67	281.24	5,675.35	94.40	-475.19	484.48	1.50	-1.50	0.00	
5,800.00	0.17	281.24	5,775.34	94.71	-476.77	486.09	1.50	-1.50	0.00	
5,811.66	0.00	0.00	5,787.00	94.72	-476.79	486.11	1.50	-1.50	0.00	
5,900.00	0.00	0.00	5,875.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,975.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,075.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,175.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,275.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,375.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,475.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,575.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,675.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,775.34	94.72	-476.79	486.11	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,875.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,975.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,075.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,175.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,275.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,375.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,475.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,575.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,675.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,775.34	94.72	-476.79	486.11	0.00	0.00	0.00	
7,811.66	0.00	0.00	7,787.00	94.72	-476.79	486.11	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	

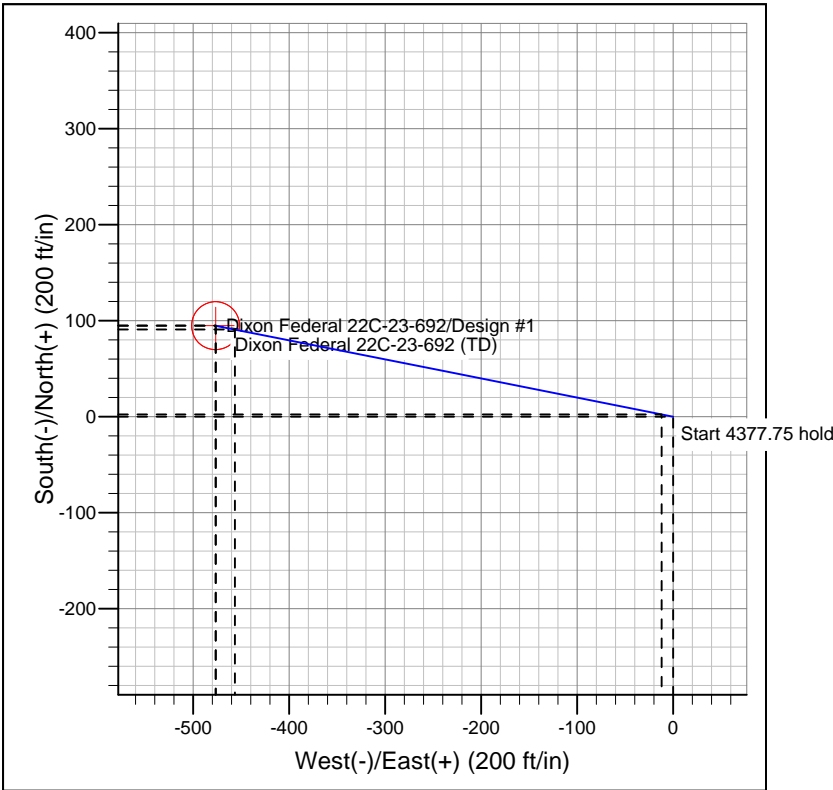
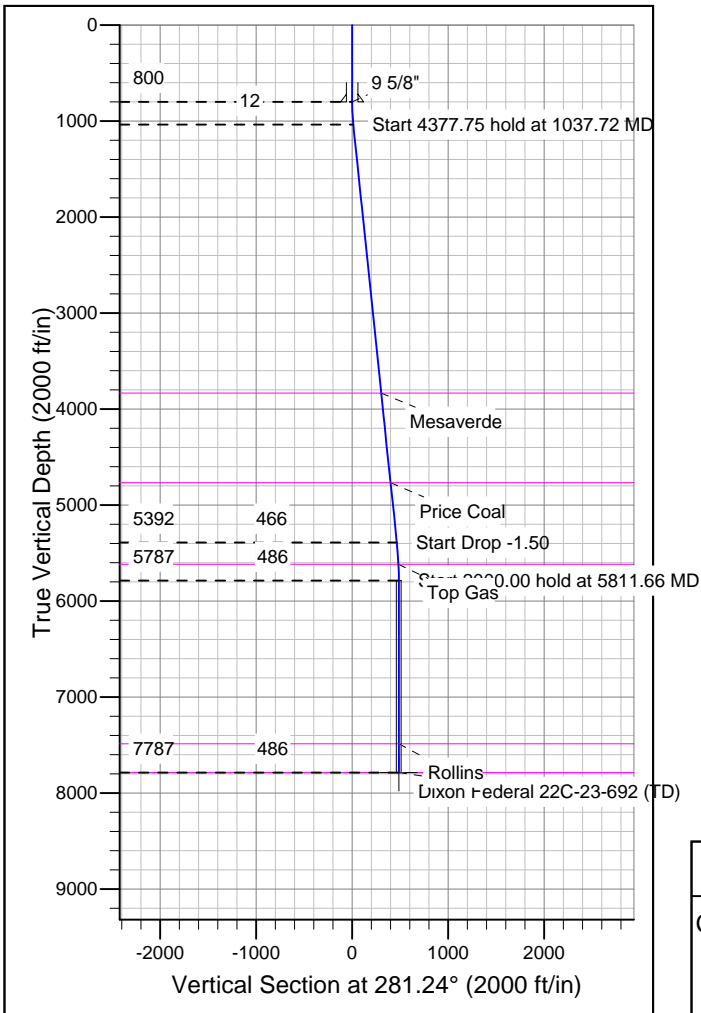
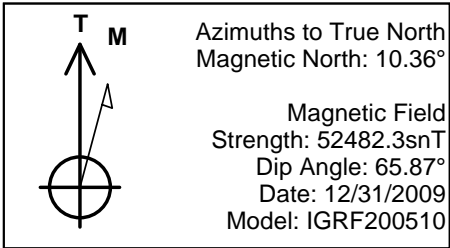
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,847.53	3,832.00	Mesaverde		0.00		
4,787.58	4,767.00	Price Coal		0.00		
5,641.61	5,617.00	Top Gas		0.00		
7,511.66	7,487.00	Rollins		0.00		
7,811.66	7,787.00	TD		0.00		

# WELL DETAILS: Dixon Federal 22C-23-692

Ground Level: 0.00							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1619394.527	2397730.939	39° 30' 52.517 N	107° 38' 5.8164 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	1037.72	5.94	281.24	1037.29	2.40	-12.08	2.50	281.24	12.32	
4	5415.47	5.94	281.24	5391.51	90.72	-456.66	0.00	0.00	465.58	
5	5811.66	0.00	0.00	5787.00	94.72	-476.79	1.50	180.00	486.11	
6	7811.66	0.00	0.00	7787.00	94.72	-476.79	0.00	0.00	486.11	Dixon Federal 22C-23-692 (TD)

WELLBORE TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
Dixon Federal 22C-23-692 (TD)	7787.00	94.72	-476.79	Circle (Radius: 25.00)	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3832.00	3847.53	Mesaverde
4767.00	4787.58	Price Coal
5617.00	5641.61	Top Gas
7487.00	7511.66	Rollins
7787.00	7811.66	TD

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Dixon Federal 22C-23-692, True North
Vertical (TVD) Reference:	WELL @ 5964.00ft (Original Well Elev)
Section (VS) Reference:	Slot - (0.00N, 0.00E)
Measured Depth Reference:	WELL @ 5964.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature