

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**Scott Pad 41C-36-692**

**Scott 44A-25-692**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**07 November, 2011**

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 44A-25-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5922.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5922.00ft (Original Well Elev)
<b>Site:</b>	Scott Pad 41C-36-692	<b>North Reference:</b>	Grid
<b>Well:</b>	Scott 44A-25-692	<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>	Scott Pad 41C-36-692		
<b>Site Position:</b>		<b>Northing:</b>	1,611,087.890 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,405,834.265 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	39° 29' 32.309 N
		<b>Longitude:</b>	107° 36' 19.9872 W
		<b>Grid Convergence:</b>	-1.33 °

<b>Well</b>	Scott 44A-25-692		
<b>Well Position</b>	<b>+N/-S</b>	8.00 ft	<b>Northing:</b>
	<b>+E/-W</b>	0.47 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>
			ft
			<b>Latitude:</b>
			39° 29' 32.388 N
			<b>Longitude:</b>
			107° 36' 19.9836 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	11/7/2011	10.12	65.80	52,259

<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	249.46

<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	
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,364.17	15.85	249.46	1,356.11	-30.59	-81.64	2.50	2.50	0.00	249.46	
3,516.42	15.85	249.46	3,426.49	-236.87	-632.24	0.00	0.00	0.00	0.00	
4,573.37	0.00	0.00	4,470.00	-287.85	-768.30	1.50	-1.50	0.00	180.00	
7,323.37	0.00	0.00	7,220.00	-287.85	-768.30	0.00	0.00	0.00	0.00	

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<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5922.00ft (Original Well Elev)
<b>Site:</b>	Scott Pad 41C-36-692	<b>North Reference:</b>	Grid
<b>Well:</b>	Scott 44A-25-692	<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	
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.75	249.46	799.99	-0.38	-1.00	1.07	2.50	2.50	0.00	
900.00	4.25	249.46	899.84	-2.21	-5.90	6.30	2.50	2.50	0.00	
1,000.00	6.75	249.46	999.38	-5.57	-14.88	15.89	2.50	2.50	0.00	
1,100.00	9.25	249.46	1,098.39	-10.46	-27.91	29.80	2.50	2.50	0.00	
1,200.00	11.75	249.46	1,196.71	-16.85	-44.97	48.02	2.50	2.50	0.00	
1,300.00	14.25	249.46	1,294.14	-24.74	-66.04	70.52	2.50	2.50	0.00	
1,364.17	15.85	249.46	1,356.11	-30.59	-81.64	87.18	2.50	2.50	0.00	
1,400.00	15.85	249.46	1,390.58	-34.02	-90.81	96.97	0.00	0.00	0.00	
1,500.00	15.85	249.46	1,486.77	-43.61	-116.39	124.29	0.00	0.00	0.00	
1,600.00	15.85	249.46	1,582.97	-53.19	-141.97	151.61	0.00	0.00	0.00	
1,700.00	15.85	249.46	1,679.16	-62.77	-167.55	178.93	0.00	0.00	0.00	
1,800.00	15.85	249.46	1,775.36	-72.36	-193.14	206.25	0.00	0.00	0.00	
1,900.00	15.85	249.46	1,871.56	-81.94	-218.72	233.56	0.00	0.00	0.00	
2,000.00	15.85	249.46	1,967.75	-91.53	-244.30	260.88	0.00	0.00	0.00	
2,100.00	15.85	249.46	2,063.95	-101.11	-269.88	288.20	0.00	0.00	0.00	
2,200.00	15.85	249.46	2,160.14	-110.70	-295.47	315.52	0.00	0.00	0.00	
2,300.00	15.85	249.46	2,256.34	-120.28	-321.05	342.84	0.00	0.00	0.00	
2,400.00	15.85	249.46	2,352.54	-129.87	-346.63	370.16	0.00	0.00	0.00	
2,500.00	15.85	249.46	2,448.73	-139.45	-372.21	397.48	0.00	0.00	0.00	
2,600.00	15.85	249.46	2,544.93	-149.04	-397.80	424.80	0.00	0.00	0.00	
2,700.00	15.85	249.46	2,641.12	-158.62	-423.38	452.12	0.00	0.00	0.00	
2,800.00	15.85	249.46	2,737.32	-168.21	-448.96	479.44	0.00	0.00	0.00	
2,900.00	15.85	249.46	2,833.52	-177.79	-474.54	506.75	0.00	0.00	0.00	
3,000.00	15.85	249.46	2,929.71	-187.37	-500.13	534.07	0.00	0.00	0.00	
3,100.00	15.85	249.46	3,025.91	-196.96	-525.71	561.39	0.00	0.00	0.00	
3,200.00	15.85	249.46	3,122.10	-206.54	-551.29	588.71	0.00	0.00	0.00	
3,300.00	15.85	249.46	3,218.30	-216.13	-576.87	616.03	0.00	0.00	0.00	
3,400.00	15.85	249.46	3,314.50	-225.71	-602.45	643.35	0.00	0.00	0.00	
3,500.00	15.85	249.46	3,410.69	-235.30	-628.04	670.67	0.00	0.00	0.00	
3,516.42	15.85	249.46	3,426.49	-236.87	-632.24	675.15	0.00	0.00	0.00	
3,600.00	14.60	249.46	3,507.13	-244.57	-652.79	697.11	1.50	-1.50	0.00	
3,700.00	13.10	249.46	3,604.22	-252.97	-675.21	721.04	1.50	-1.50	0.00	
3,800.00	11.60	249.46	3,701.90	-260.48	-695.24	742.43	1.50	-1.50	0.00	
3,900.00	10.10	249.46	3,800.11	-267.08	-712.87	761.26	1.50	-1.50	0.00	
4,000.00	8.60	249.46	3,898.78	-272.78	-728.08	777.50	1.50	-1.50	0.00	
4,100.00	7.10	249.46	3,997.84	-277.57	-740.87	791.16	1.50	-1.50	0.00	
4,200.00	5.60	249.46	4,097.22	-281.45	-751.23	802.22	1.50	-1.50	0.00	
4,300.00	4.10	249.46	4,196.86	-284.42	-759.15	810.68	1.50	-1.50	0.00	
4,400.00	2.60	249.46	4,296.69	-286.47	-764.62	816.52	1.50	-1.50	0.00	
4,500.00	1.10	249.46	4,396.64	-287.60	-767.64	819.75	1.50	-1.50	0.00	
4,573.37	0.00	0.00	4,470.00	-287.85	-768.30	820.46	1.50	-1.50	0.00	
4,600.00	0.00	0.00	4,496.63	-287.85	-768.30	820.46	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,596.63	-287.85	-768.30	820.46	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,696.63	-287.85	-768.30	820.46	0.00	0.00	0.00	

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<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5922.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5922.00ft (Original Well Elev)
<b>Site:</b>	Scott Pad 41C-36-692	<b>North Reference:</b>	Grid
<b>Well:</b>	Scott 44A-25-692	<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)
4,900.00	0.00	0.00	4,796.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,000.00	0.00	0.00	4,896.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,100.00	0.00	0.00	4,996.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,200.00	0.00	0.00	5,096.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,300.00	0.00	0.00	5,196.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,400.00	0.00	0.00	5,296.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,500.00	0.00	0.00	5,396.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,600.00	0.00	0.00	5,496.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,700.00	0.00	0.00	5,596.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,800.00	0.00	0.00	5,696.63	-287.85	-768.30	820.46	0.00	0.00	0.00
5,900.00	0.00	0.00	5,796.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,000.00	0.00	0.00	5,896.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,100.00	0.00	0.00	5,996.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,200.00	0.00	0.00	6,096.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,300.00	0.00	0.00	6,196.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,400.00	0.00	0.00	6,296.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,500.00	0.00	0.00	6,396.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,600.00	0.00	0.00	6,496.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,700.00	0.00	0.00	6,596.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,800.00	0.00	0.00	6,696.63	-287.85	-768.30	820.46	0.00	0.00	0.00
6,900.00	0.00	0.00	6,796.63	-287.85	-768.30	820.46	0.00	0.00	0.00
7,000.00	0.00	0.00	6,896.63	-287.85	-768.30	820.46	0.00	0.00	0.00
7,100.00	0.00	0.00	6,996.63	-287.85	-768.30	820.46	0.00	0.00	0.00
7,200.00	0.00	0.00	7,096.63	-287.85	-768.30	820.46	0.00	0.00	0.00
7,300.00	0.00	0.00	7,196.63	-287.85	-768.30	820.46	0.00	0.00	0.00
7,323.37	0.00	0.00	7,220.00	-287.85	-768.30	820.46	0.00	0.00	0.00

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
730.00	730.00	9 5/8"	9-5/8	12-1/4

### Formations

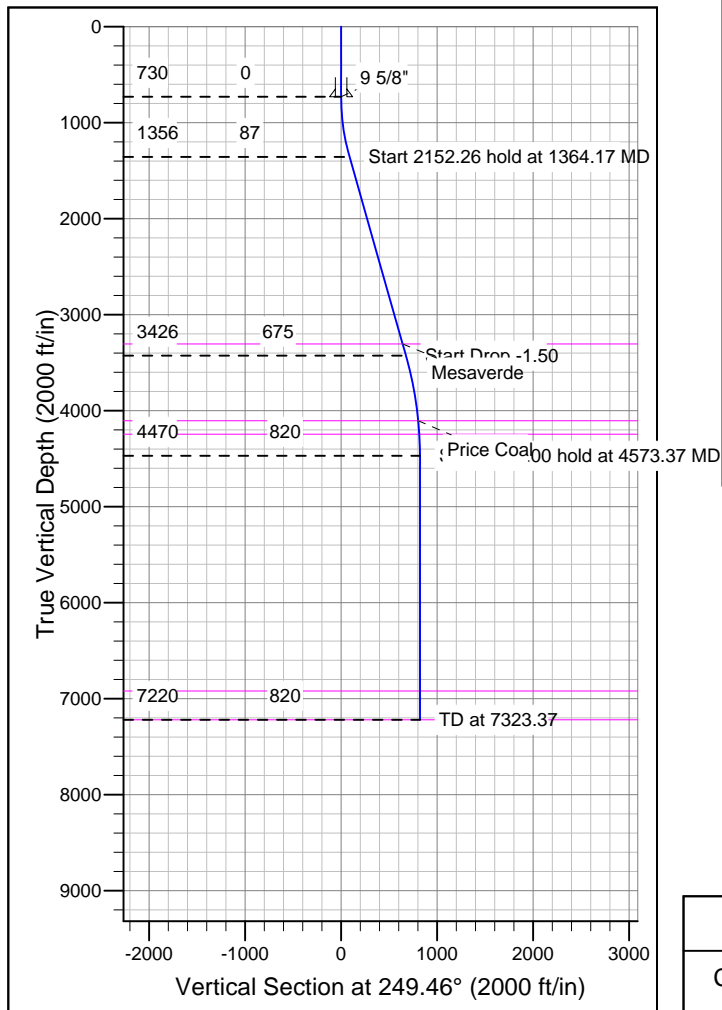
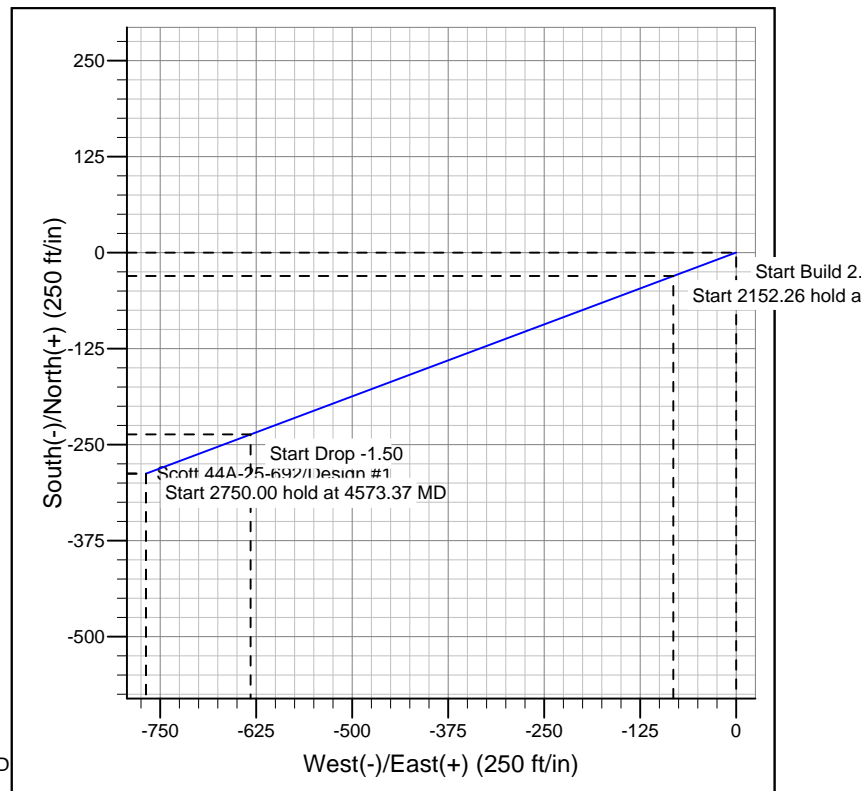
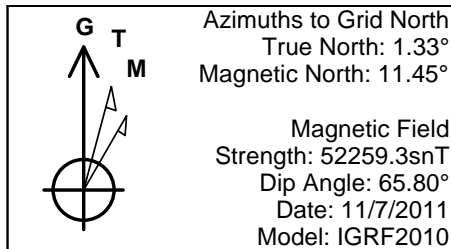
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,390.13	3,305.00	Mesaverde		0.00	
4,207.81	4,105.00	Price Coal		0.00	
4,348.24	4,245.00	Top Gas		0.00	
7,023.37	6,920.00	Rollins		0.00	
7,323.37	7,220.00	TD		0.00	

# WELL DETAILS: Scott 44A-25-692

			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1611095.886	2405834.733	39° 29' 32.388 N 107° 36' 19.9836 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	730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	
3	1364.17	15.85	249.46	1356.11	-30.59	-81.64	2.50	249.46	87.18	
4	3516.42	15.85	249.46	3426.49	-236.87	-632.24	0.00	0.00	675.15	
5	4573.37	0.00	0.00	4470.00	-287.85	-768.30	1.50	180.00	820.46	
6	7323.37	0.00	0.00	7220.00	-287.85	-768.30	0.00	0.00	820.46	Scott 44A-25-691 (TD)



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3305.00	3390.13	Mesaverde
4105.00	4207.81	Price Coal
4245.00	4348.24	Top Gas
6920.00	7023.37	Rollins
7220.00	7323.37	TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Scott 44A-25-692, Grid North  
 Vertical (TVD) Reference: WELL @ 5922.00ft (Original Well Elev)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 5922.00ft (Original Well Elev)  
 Calculation Method: Minimum Curvature