

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

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

**Scott 43C-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 43C-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 43C-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 43C-25-692		
<b>Well Position</b>	<b>+N/-S</b>	32.02 ft	<b>Northing:</b>
	<b>+E/-W</b>	1.59 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b>
			<b>Longitude:</b>
			<b>Ground Level:</b>

<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	335.79

<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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,097.01	33.93	335.79	2,019.10	355.82	-160.01	2.50	2.50	0.00	335.79	
3,505.93	33.93	335.79	3,188.17	1,072.98	-482.52	0.00	0.00	0.00	0.00	
5,767.62	0.00	0.00	5,320.00	1,666.02	-749.20	1.50	-1.50	0.00	180.00	
7,767.62	0.00	0.00	7,320.00	1,666.02	-749.20	0.00	0.00	0.00	0.00	Scott 43C-25-692 (

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 43C-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 43C-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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.50	335.79	799.99	0.72	-0.32	0.79	2.50	2.50	0.00	
900.00	4.00	335.79	899.87	5.09	-2.29	5.58	2.50	2.50	0.00	
1,000.00	6.50	335.79	999.44	13.44	-6.04	14.73	2.50	2.50	0.00	
1,100.00	9.00	335.79	1,098.52	25.73	-11.57	28.22	2.50	2.50	0.00	
1,200.00	11.50	335.79	1,196.92	41.96	-18.87	46.01	2.50	2.50	0.00	
1,300.00	14.00	335.79	1,294.44	62.09	-27.92	68.08	2.50	2.50	0.00	
1,400.00	16.50	335.79	1,390.92	86.08	-38.71	94.38	2.50	2.50	0.00	
1,500.00	19.00	335.79	1,486.15	113.88	-51.21	124.86	2.50	2.50	0.00	
1,600.00	21.50	335.79	1,579.96	145.44	-65.40	159.47	2.50	2.50	0.00	
1,700.00	24.00	335.79	1,672.17	180.71	-81.26	198.14	2.50	2.50	0.00	
1,800.00	26.50	335.79	1,762.61	219.61	-98.76	240.79	2.50	2.50	0.00	
1,900.00	29.00	335.79	1,851.10	262.07	-117.85	287.35	2.50	2.50	0.00	
2,000.00	31.50	335.79	1,937.48	308.01	-138.51	337.72	2.50	2.50	0.00	
2,097.01	33.93	335.79	2,019.10	355.82	-160.01	390.15	2.50	2.50	0.00	
2,100.00	33.93	335.79	2,021.58	357.34	-160.70	391.81	0.00	0.00	0.00	
2,200.00	33.93	335.79	2,104.55	408.25	-183.59	447.63	0.00	0.00	0.00	
2,300.00	33.93	335.79	2,187.53	459.15	-206.48	503.44	0.00	0.00	0.00	
2,400.00	33.93	335.79	2,270.51	510.05	-229.37	559.25	0.00	0.00	0.00	
2,500.00	33.93	335.79	2,353.48	560.95	-252.26	615.06	0.00	0.00	0.00	
2,600.00	33.93	335.79	2,436.46	611.85	-275.15	670.87	0.00	0.00	0.00	
2,700.00	33.93	335.79	2,519.44	662.75	-298.04	726.68	0.00	0.00	0.00	
2,800.00	33.93	335.79	2,602.41	713.65	-320.93	782.49	0.00	0.00	0.00	
2,900.00	33.93	335.79	2,685.39	764.55	-343.82	838.30	0.00	0.00	0.00	
3,000.00	33.93	335.79	2,768.37	815.45	-366.71	894.11	0.00	0.00	0.00	
3,100.00	33.93	335.79	2,851.34	866.36	-389.60	949.93	0.00	0.00	0.00	
3,200.00	33.93	335.79	2,934.32	917.26	-412.49	1,005.74	0.00	0.00	0.00	
3,300.00	33.93	335.79	3,017.30	968.16	-435.38	1,061.55	0.00	0.00	0.00	
3,400.00	33.93	335.79	3,100.27	1,019.06	-458.27	1,117.36	0.00	0.00	0.00	
3,500.00	33.93	335.79	3,183.25	1,069.96	-481.16	1,173.17	0.00	0.00	0.00	
3,505.93	33.93	335.79	3,188.17	1,072.98	-482.52	1,176.48	0.00	0.00	0.00	
3,600.00	32.51	335.79	3,266.87	1,119.98	-503.65	1,228.01	1.50	-1.50	0.00	
3,700.00	31.01	335.79	3,351.88	1,167.99	-525.24	1,280.66	1.50	-1.50	0.00	
3,800.00	29.51	335.79	3,438.25	1,213.95	-545.91	1,331.05	1.50	-1.50	0.00	
3,900.00	28.01	335.79	3,525.91	1,257.84	-565.65	1,379.17	1.50	-1.50	0.00	
4,000.00	26.51	335.79	3,614.80	1,299.62	-584.43	1,424.98	1.50	-1.50	0.00	
4,100.00	25.01	335.79	3,704.86	1,339.26	-602.26	1,468.45	1.50	-1.50	0.00	
4,200.00	23.51	335.79	3,796.02	1,376.74	-619.12	1,509.54	1.50	-1.50	0.00	
4,300.00	22.01	335.79	3,888.23	1,412.03	-634.98	1,548.23	1.50	-1.50	0.00	
4,400.00	20.51	335.79	3,981.42	1,445.10	-649.86	1,584.50	1.50	-1.50	0.00	
4,500.00	19.01	335.79	4,075.52	1,475.94	-663.73	1,618.31	1.50	-1.50	0.00	
4,600.00	17.51	335.79	4,170.48	1,504.52	-676.58	1,649.65	1.50	-1.50	0.00	
4,700.00	16.01	335.79	4,266.23	1,530.83	-688.41	1,678.49	1.50	-1.50	0.00	
4,800.00	14.51	335.79	4,362.70	1,554.84	-699.21	1,704.82	1.50	-1.50	0.00	
4,900.00	13.01	335.79	4,459.82	1,576.54	-708.96	1,728.61	1.50	-1.50	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 43C-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)
5,000.00	11.51	335.79	4,557.54	1,595.91	-717.68	1,749.85	1.50	-1.50	0.00
5,100.00	10.01	335.79	4,655.78	1,612.94	-725.34	1,768.53	1.50	-1.50	0.00
5,200.00	8.51	335.79	4,754.47	1,627.63	-731.94	1,784.63	1.50	-1.50	0.00
5,300.00	7.01	335.79	4,853.55	1,639.95	-737.48	1,798.14	1.50	-1.50	0.00
5,400.00	5.51	335.79	4,952.95	1,649.90	-741.95	1,809.05	1.50	-1.50	0.00
5,500.00	4.01	335.79	5,052.60	1,657.47	-745.36	1,817.35	1.50	-1.50	0.00
5,600.00	2.51	335.79	5,152.44	1,662.66	-747.70	1,823.05	1.50	-1.50	0.00
5,700.00	1.01	335.79	5,252.39	1,665.47	-748.96	1,826.13	1.50	-1.50	0.00
5,767.62	0.00	0.00	5,320.00	1,666.02	-749.20	1,826.72	1.50	-1.50	0.00
5,800.00	0.00	0.00	5,352.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
5,900.00	0.00	0.00	5,452.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,000.00	0.00	0.00	5,552.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,100.00	0.00	0.00	5,652.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,200.00	0.00	0.00	5,752.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,300.00	0.00	0.00	5,852.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,400.00	0.00	0.00	5,952.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,500.00	0.00	0.00	6,052.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,600.00	0.00	0.00	6,152.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,700.00	0.00	0.00	6,252.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,800.00	0.00	0.00	6,352.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
6,900.00	0.00	0.00	6,452.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,000.00	0.00	0.00	6,552.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,100.00	0.00	0.00	6,652.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,200.00	0.00	0.00	6,752.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,300.00	0.00	0.00	6,852.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,400.00	0.00	0.00	6,952.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,500.00	0.00	0.00	7,052.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,600.00	0.00	0.00	7,152.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,700.00	0.00	0.00	7,252.38	1,666.02	-749.20	1,826.72	0.00	0.00	0.00
7,767.62	0.00	0.00	7,320.00	1,666.02	-749.20	1,826.72	0.00	0.00	0.00

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
740.00	740.00	9 5/8"	9-5/8	12-1/4

### Formations

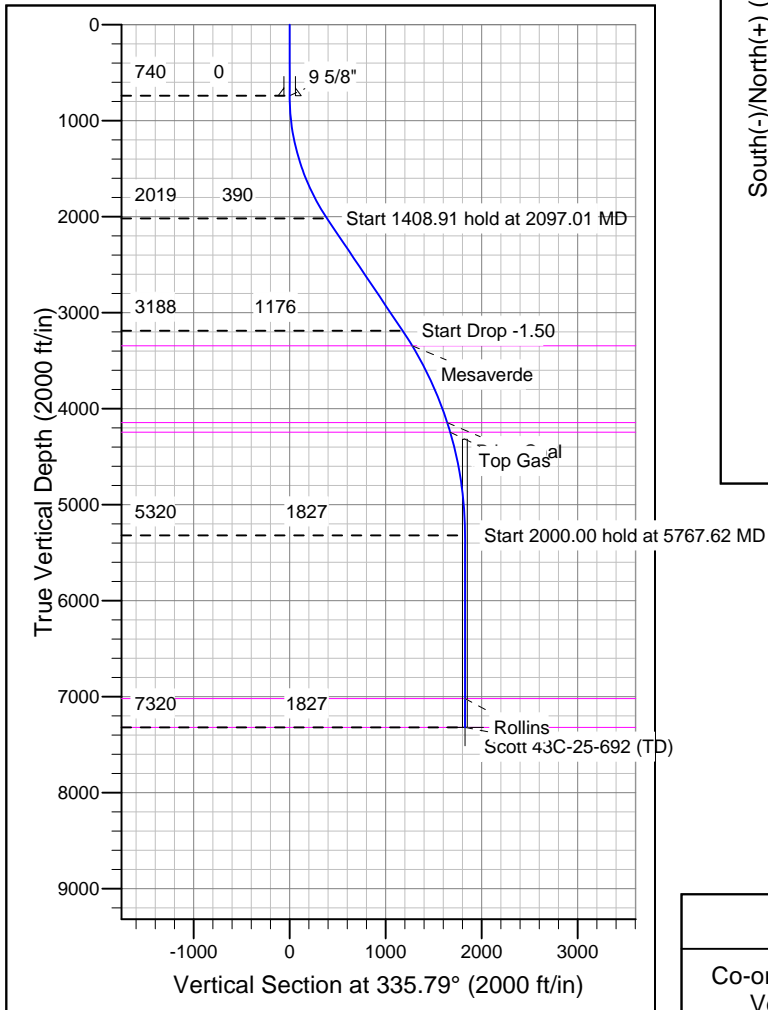
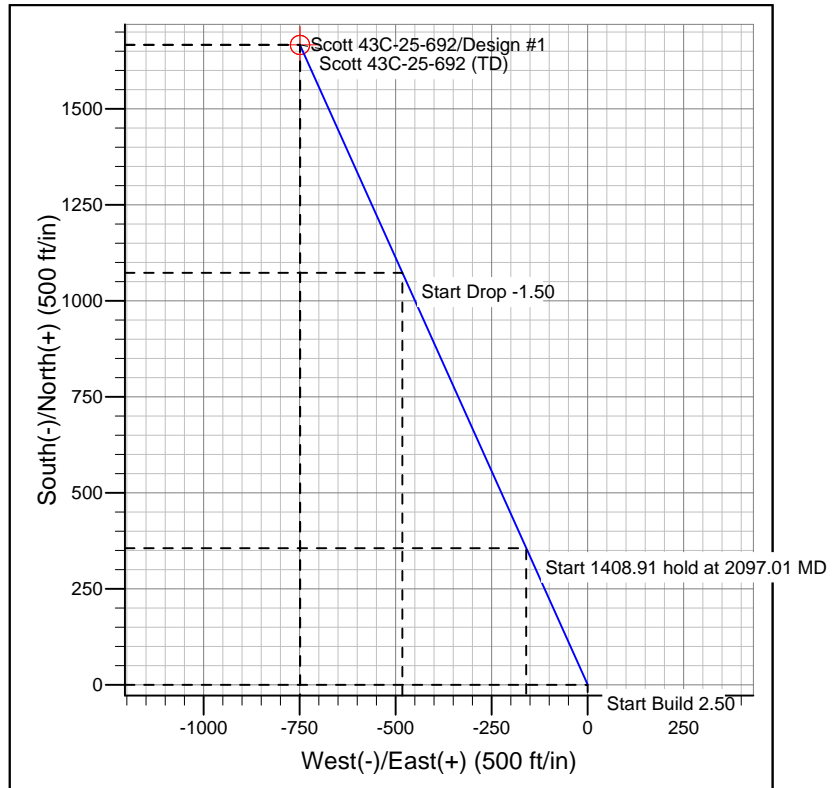
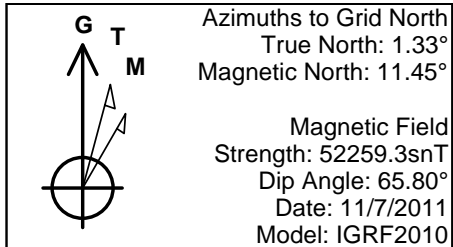
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,691.96	3,345.00	Mesaverde		0.00	
4,573.25	4,145.00	Price Coal		0.00	
4,677.89	4,245.00	Top Gas		0.00	
7,467.62	7,020.00	Rollins		0.00	
7,767.62	7,320.00	TD		0.00	

# WELL DETAILS: Scott 43C-25-692

+N/-S	+E/-W	Northing	Easting	Ground Level: 0.00	Latitude	Longitude	Slot
0.00	0.00	1611119.906	2405835.854	39° 29' 32.625 N	107° 36' 19.9764 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	740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	
3	2097.01	33.93	335.79	2019.10	355.82	-160.01	2.50	335.79	390.15	
4	3505.93	33.93	335.79	3188.17	1072.98	-482.52	0.00	0.00	1176.48	
5	5767.62	0.00	0.00	5320.00	1666.02	-749.20	1.50	180.00	1826.72	
6	7767.62	0.00	0.00	7320.00	1666.02	-749.20	0.00	0.00	1826.72	Scott 43C-25-692 (TD)



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3345.00	3691.96	Mesaverde
4145.00	4573.25	Price Coal
4245.00	4677.89	Top Gas
7020.00	7467.62	Rollins
7320.00	7767.62	TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Scott 43C-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