

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

**SCOTT 2-36 PAD - SEC 36-692**

**Scott 22C-36-692**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**05 March, 2012**

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 22C-36-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Site:</b>	SCOTT 2-36 PAD - SEC 36-692	<b>North Reference:</b>	True
<b>Well:</b>	Scott 22C-36-692	<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		

Site		SCOTT 2-36 PAD - SEC 36-692			
Site Position:		Northing:	1,609,625.779ft	Latitude:	39° 29' 17.279 N
From:	Lat/Long	Easting:	2,403,295.454ft	Longitude:	107° 36' 51.9300 W
Position Uncertainty:	0.00 ft	Slot Radius:	0"	Grid Convergence:	-1.33 °

Well	Scott 22C-36-692					
Well Position	+N-S	-39.73 ft	Northing:	1,609,587.510 ft	Latitude:	39° 29' 16.886 N
	+E-W	-62.37 ft	Easting:	2,403,232.173 ft	Longitude:	107° 36' 52.7256 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,884.50 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	3/5/2012	10.09	65.78	52,223

<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	227.93

<b>Plan Sections</b>										
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	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,877.00	28.17	227.93	1,832.13	-181.95	-201.59	2.50	2.50	0.00	227.93	
2,687.35	28.17	227.93	2,546.46	-438.32	-485.62	0.00	0.00	0.00	0.00	
4,565.68	0.00	0.00	4,350.00	-741.57	-821.60	1.50	-1.50	0.00	180.00	
7,315.68	0.00	0.00	7,100.00	-741.57	-821.60	0.00	0.00	0.00	0.00	Scott 22C-36-692 (

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 22C-36-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Site:</b>	SCOTT 2-36 PAD - SEC 36-692	<b>North Reference:</b>	True
<b>Well:</b>	Scott 22C-36-692	<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	227.93	800.00	-0.37	-0.40	0.55	2.50	2.50	0.00	
900.00	3.75	227.93	899.89	-3.29	-3.64	4.91	2.50	2.50	0.00	
1,000.00	6.25	227.93	999.50	-9.13	-10.11	13.62	2.50	2.50	0.00	
1,100.00	8.75	227.93	1,098.64	-17.87	-19.80	26.67	2.50	2.50	0.00	
1,200.00	11.25	227.93	1,197.11	-29.51	-32.69	44.04	2.50	2.50	0.00	
1,300.00	13.75	227.93	1,294.74	-44.01	-48.76	65.68	2.50	2.50	0.00	
1,400.00	16.25	227.93	1,391.32	-61.35	-67.97	91.56	2.50	2.50	0.00	
1,500.00	18.75	227.93	1,486.69	-81.49	-90.29	121.63	2.50	2.50	0.00	
1,600.00	21.25	227.93	1,580.65	-104.41	-115.68	155.83	2.50	2.50	0.00	
1,700.00	23.75	227.93	1,673.03	-130.05	-144.08	194.09	2.50	2.50	0.00	
1,800.00	26.25	227.93	1,763.65	-158.36	-175.45	236.35	2.50	2.50	0.00	
1,877.00	28.17	227.93	1,832.13	-181.95	-201.59	271.56	2.50	2.50	0.00	
1,900.00	28.17	227.93	1,852.40	-189.23	-209.65	282.42	0.00	0.00	0.00	
2,000.00	28.17	227.93	1,940.55	-220.86	-244.70	329.64	0.00	0.00	0.00	
2,100.00	28.17	227.93	2,028.70	-252.50	-279.75	376.85	0.00	0.00	0.00	
2,200.00	28.17	227.93	2,116.85	-284.14	-314.80	424.07	0.00	0.00	0.00	
2,300.00	28.17	227.93	2,205.00	-315.77	-349.85	471.29	0.00	0.00	0.00	
2,400.00	28.17	227.93	2,293.16	-347.41	-384.90	518.50	0.00	0.00	0.00	
2,500.00	28.17	227.93	2,381.31	-379.05	-419.95	565.72	0.00	0.00	0.00	
2,600.00	28.17	227.93	2,469.46	-410.68	-455.01	612.94	0.00	0.00	0.00	
2,687.35	28.17	227.93	2,546.46	-438.32	-485.62	654.18	0.00	0.00	0.00	
2,700.00	27.99	227.93	2,557.62	-442.31	-490.04	660.13	1.50	-1.50	0.00	
2,800.00	26.49	227.93	2,646.53	-472.97	-524.01	705.90	1.50	-1.50	0.00	
2,900.00	24.99	227.93	2,736.61	-502.06	-556.25	749.32	1.50	-1.50	0.00	
3,000.00	23.49	227.93	2,827.79	-529.56	-586.72	790.36	1.50	-1.50	0.00	
3,100.00	21.99	227.93	2,920.02	-555.46	-615.41	829.01	1.50	-1.50	0.00	
3,200.00	20.49	227.93	3,013.23	-579.72	-642.29	865.23	1.50	-1.50	0.00	
3,300.00	18.99	227.93	3,107.35	-602.35	-667.36	898.99	1.50	-1.50	0.00	
3,400.00	17.49	227.93	3,202.33	-623.32	-690.59	930.29	1.50	-1.50	0.00	
3,500.00	15.99	227.93	3,298.09	-642.61	-711.96	959.08	1.50	-1.50	0.00	
3,600.00	14.49	227.93	3,394.57	-660.21	-731.47	985.36	1.50	-1.50	0.00	
3,700.00	12.99	227.93	3,491.71	-676.12	-749.09	1,009.10	1.50	-1.50	0.00	
3,800.00	11.49	227.93	3,589.43	-690.32	-764.83	1,030.29	1.50	-1.50	0.00	
3,900.00	9.99	227.93	3,687.68	-702.80	-778.65	1,048.92	1.50	-1.50	0.00	
4,000.00	8.49	227.93	3,786.38	-713.56	-790.57	1,064.97	1.50	-1.50	0.00	
4,100.00	6.99	227.93	3,885.47	-722.57	-800.56	1,078.43	1.50	-1.50	0.00	
4,200.00	5.49	227.93	3,984.87	-729.85	-808.62	1,089.29	1.50	-1.50	0.00	
4,300.00	3.99	227.93	4,084.53	-735.38	-814.75	1,097.54	1.50	-1.50	0.00	
4,400.00	2.49	227.93	4,184.37	-739.16	-818.94	1,103.19	1.50	-1.50	0.00	
4,500.00	0.99	227.93	4,284.32	-741.19	-821.18	1,106.21	1.50	-1.50	0.00	
4,565.68	0.00	0.00	4,350.00	-741.57	-821.60	1,106.78	1.50	-1.50	0.00	
4,600.00	0.00	0.00	4,384.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,484.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,584.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00	

# Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 22C-36-692
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Project:</b>	GARFIELD COUNTY, COLORADO NAD 1983	<b>MD Reference:</b>	WELL @ 5900.00ft (Original Well Elev)
<b>Site:</b>	SCOTT 2-36 PAD - SEC 36-692	<b>North Reference:</b>	True
<b>Well:</b>	Scott 22C-36-692	<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	4,684.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,000.00	0.00	0.00	4,784.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,100.00	0.00	0.00	4,884.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,200.00	0.00	0.00	4,984.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,300.00	0.00	0.00	5,084.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,400.00	0.00	0.00	5,184.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,500.00	0.00	0.00	5,284.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,600.00	0.00	0.00	5,384.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,700.00	0.00	0.00	5,484.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,800.00	0.00	0.00	5,584.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
5,900.00	0.00	0.00	5,684.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,000.00	0.00	0.00	5,784.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,100.00	0.00	0.00	5,884.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,200.00	0.00	0.00	5,984.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,300.00	0.00	0.00	6,084.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,400.00	0.00	0.00	6,184.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,500.00	0.00	0.00	6,284.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,600.00	0.00	0.00	6,384.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,700.00	0.00	0.00	6,484.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,800.00	0.00	0.00	6,584.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
6,900.00	0.00	0.00	6,684.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
7,000.00	0.00	0.00	6,784.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
7,100.00	0.00	0.00	6,884.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
7,200.00	0.00	0.00	6,984.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
7,300.00	0.00	0.00	7,084.32	-741.57	-821.60	1,106.78	0.00	0.00	0.00
7,315.68	0.00	0.00	7,100.00	-741.57	-821.60	1,106.78	0.00	0.00	0.00

### Formations

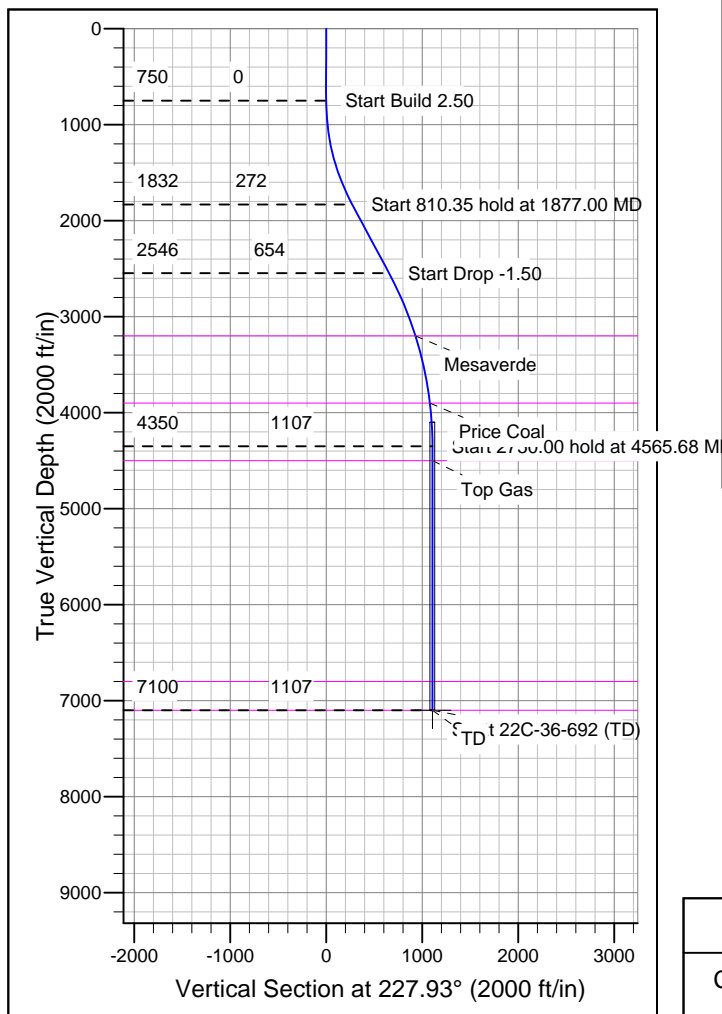
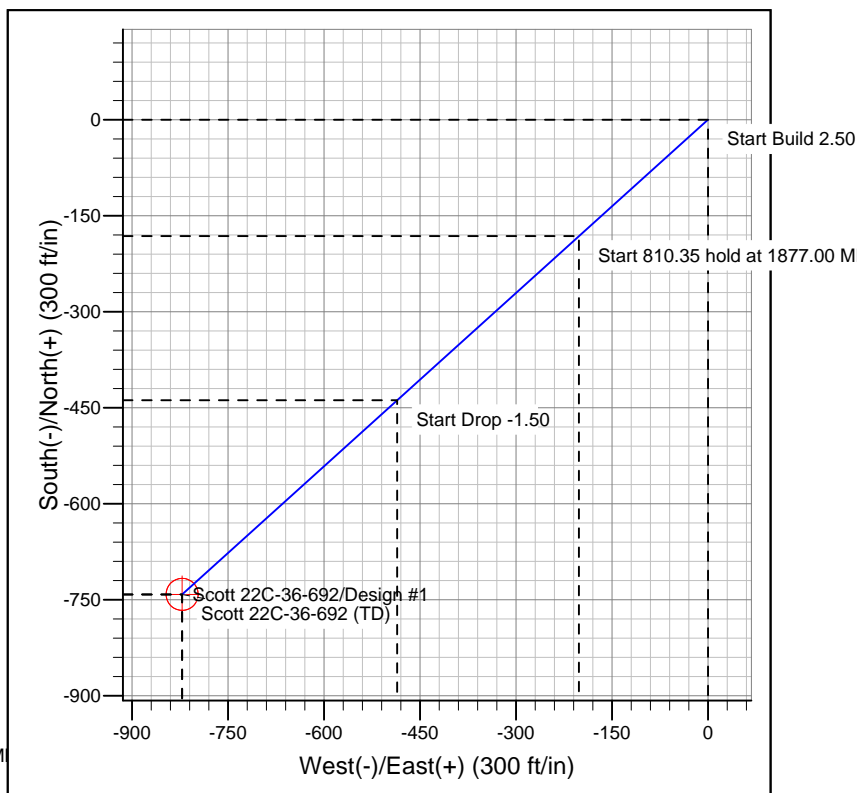
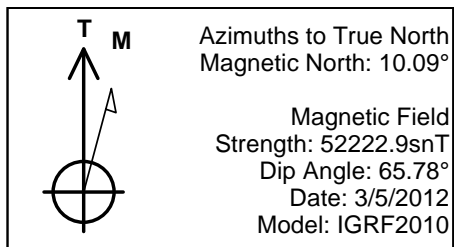
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,397.56	3,200.00	Mesaverde		0.00	
4,114.64	3,900.00	Price Coal		0.00	
4,715.68	4,500.00	Top Gas		0.00	
7,015.68	6,800.00	Rollins		0.00	
7,315.68	7,100.00	TD		0.00	

# WELL DETAILS: Scott 22C-36-692

+N/-S	+E/-W	Northing	Ground Level:	5884.50		
0.00	0.00	1609587.510	Easting	2403232.173	Latitude	Longitude
					39° 29' 16.886 N	107° 36' 52.7256 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	1877.00	28.17	227.93	1832.13	-181.95	-201.59	2.50	227.93	271.56	
4	2687.35	28.17	227.93	2546.46	-438.32	-485.62	0.00	0.00	654.18	
5	4565.68	0.00	0.00	4350.00	-741.57	-821.60	1.50	180.00	1106.78	
6	7315.68	0.00	0.00	7100.00	-741.57	-821.60	0.00	0.00	1106.78	Scott 22C-36-692 (TD)



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3200.00	3397.56	Mesaverde
3900.00	4114.64	Price Coal
4500.00	4715.68	Top Gas
6800.00	7015.68	Rollins
7100.00	7315.68	TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Scott 22C-36-692, True North  
 Vertical (TVD) Reference: WELL @ 5900.00ft (Original Well Elev)  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 5900.00ft (Original Well Elev)  
 Calculation Method: Minimum Curvature