

# **BILL BARRETT CORP**

**GARFIELD COUNTY, COLORADO NAD 1983**

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

**Scott 21C-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 21C-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 21C-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		

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

<b>Well</b>	Scott 21C-36-692		
<b>Well Position</b>	<b>+N/-S</b>	-29.53 ft	<b>Northing:</b>
	<b>+E/-W</b>	-71.97 ft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>
			ft
			<b>Latitude:</b>
			39° 29' 16.987 N
			<b>Longitude:</b>
			107° 36' 52.8480 W
			<b>Ground Level:</b>
			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	306.11

<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	
1,708.46	23.96	306.11	1,680.77	116.40	-159.57	2.50	2.50	0.00	306.11	
2,931.85	23.96	306.11	2,798.72	409.20	-560.97	0.00	0.00	0.00	0.00	
4,529.29	0.00	0.00	4,350.00	603.20	-826.92	1.50	-1.50	0.00	180.00	
7,279.29	0.00	0.00	7,100.00	603.20	-826.92	0.00	0.00	0.00	0.00	Scott 21C-36-692 (

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## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Scott 21C-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 21C-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	306.11	800.00	0.32	-0.44	0.55	2.50	2.50	0.00	
900.00	3.75	306.11	899.89	2.89	-3.96	4.91	2.50	2.50	0.00	
1,000.00	6.25	306.11	999.50	8.03	-11.01	13.62	2.50	2.50	0.00	
1,100.00	8.75	306.11	1,098.64	15.72	-21.55	26.67	2.50	2.50	0.00	
1,200.00	11.25	306.11	1,197.11	25.95	-35.58	44.04	2.50	2.50	0.00	
1,300.00	13.75	306.11	1,294.74	38.71	-53.06	65.68	2.50	2.50	0.00	
1,400.00	16.25	306.11	1,391.32	53.96	-73.97	91.56	2.50	2.50	0.00	
1,500.00	18.75	306.11	1,486.69	71.68	-98.26	121.63	2.50	2.50	0.00	
1,600.00	21.25	306.11	1,580.65	91.83	-125.89	155.83	2.50	2.50	0.00	
1,700.00	23.75	306.11	1,673.03	114.38	-156.81	194.09	2.50	2.50	0.00	
1,708.46	23.96	306.11	1,680.77	116.40	-159.57	197.51	2.50	2.50	0.00	
1,800.00	23.96	306.11	1,764.42	138.31	-189.60	234.69	0.00	0.00	0.00	
1,900.00	23.96	306.11	1,855.80	162.24	-222.42	275.30	0.00	0.00	0.00	
2,000.00	23.96	306.11	1,947.18	186.18	-255.23	315.91	0.00	0.00	0.00	
2,100.00	23.96	306.11	2,038.56	210.11	-288.04	356.53	0.00	0.00	0.00	
2,200.00	23.96	306.11	2,129.94	234.04	-320.85	397.14	0.00	0.00	0.00	
2,300.00	23.96	306.11	2,221.32	257.98	-353.66	437.75	0.00	0.00	0.00	
2,400.00	23.96	306.11	2,312.71	281.91	-386.47	478.36	0.00	0.00	0.00	
2,500.00	23.96	306.11	2,404.09	305.84	-419.28	518.98	0.00	0.00	0.00	
2,600.00	23.96	306.11	2,495.47	329.78	-452.09	559.59	0.00	0.00	0.00	
2,700.00	23.96	306.11	2,586.85	353.71	-484.90	600.20	0.00	0.00	0.00	
2,800.00	23.96	306.11	2,678.23	377.65	-517.71	640.81	0.00	0.00	0.00	
2,900.00	23.96	306.11	2,769.62	401.58	-550.52	681.43	0.00	0.00	0.00	
2,931.85	23.96	306.11	2,798.72	409.20	-560.97	694.36	0.00	0.00	0.00	
3,000.00	22.94	306.11	2,861.24	425.19	-582.88	721.48	1.50	-1.50	0.00	
3,100.00	21.44	306.11	2,953.83	447.44	-613.39	759.25	1.50	-1.50	0.00	
3,200.00	19.94	306.11	3,047.38	468.26	-641.93	794.58	1.50	-1.50	0.00	
3,300.00	18.44	306.11	3,141.82	487.63	-668.49	827.44	1.50	-1.50	0.00	
3,400.00	16.94	306.11	3,237.09	505.54	-693.04	857.83	1.50	-1.50	0.00	
3,500.00	15.44	306.11	3,333.12	521.97	-715.56	885.71	1.50	-1.50	0.00	
3,600.00	13.94	306.11	3,429.85	536.91	-736.05	911.07	1.50	-1.50	0.00	
3,700.00	12.44	306.11	3,527.21	550.36	-754.48	933.88	1.50	-1.50	0.00	
3,800.00	10.94	306.11	3,625.13	562.30	-770.85	954.14	1.50	-1.50	0.00	
3,900.00	9.44	306.11	3,723.55	572.72	-785.14	971.83	1.50	-1.50	0.00	
4,000.00	7.94	306.11	3,822.40	581.63	-797.34	986.94	1.50	-1.50	0.00	
4,100.00	6.44	306.11	3,921.61	589.00	-807.45	999.45	1.50	-1.50	0.00	
4,200.00	4.94	306.11	4,021.12	594.84	-815.46	1,009.37	1.50	-1.50	0.00	
4,300.00	3.44	306.11	4,120.85	599.15	-821.36	1,016.67	1.50	-1.50	0.00	
4,400.00	1.94	306.11	4,220.74	601.91	-825.16	1,021.36	1.50	-1.50	0.00	
4,500.00	0.44	306.11	4,320.71	603.14	-826.83	1,023.44	1.50	-1.50	0.00	
4,529.29	0.00	0.00	4,350.00	603.20	-826.92	1,023.55	1.50	-1.50	0.00	
4,600.00	0.00	0.00	4,420.71	603.20	-826.92	1,023.55	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,520.71	603.20	-826.92	1,023.55	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,620.71	603.20	-826.92	1,023.55	0.00	0.00	0.00	

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## Planning Report

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<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 21C-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	4,720.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,000.00	0.00	0.00	4,820.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,100.00	0.00	0.00	4,920.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,200.00	0.00	0.00	5,020.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,300.00	0.00	0.00	5,120.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,400.00	0.00	0.00	5,220.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,500.00	0.00	0.00	5,320.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,600.00	0.00	0.00	5,420.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,700.00	0.00	0.00	5,520.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,800.00	0.00	0.00	5,620.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
5,900.00	0.00	0.00	5,720.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,000.00	0.00	0.00	5,820.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,100.00	0.00	0.00	5,920.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,200.00	0.00	0.00	6,020.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,300.00	0.00	0.00	6,120.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,400.00	0.00	0.00	6,220.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,500.00	0.00	0.00	6,320.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,600.00	0.00	0.00	6,420.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,700.00	0.00	0.00	6,520.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,800.00	0.00	0.00	6,620.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
6,900.00	0.00	0.00	6,720.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
7,000.00	0.00	0.00	6,820.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
7,100.00	0.00	0.00	6,920.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
7,200.00	0.00	0.00	7,020.71	603.20	-826.92	1,023.55	0.00	0.00	0.00
7,279.29	0.00	0.00	7,100.00	603.20	-826.92	1,023.55	0.00	0.00	0.00

### Formations

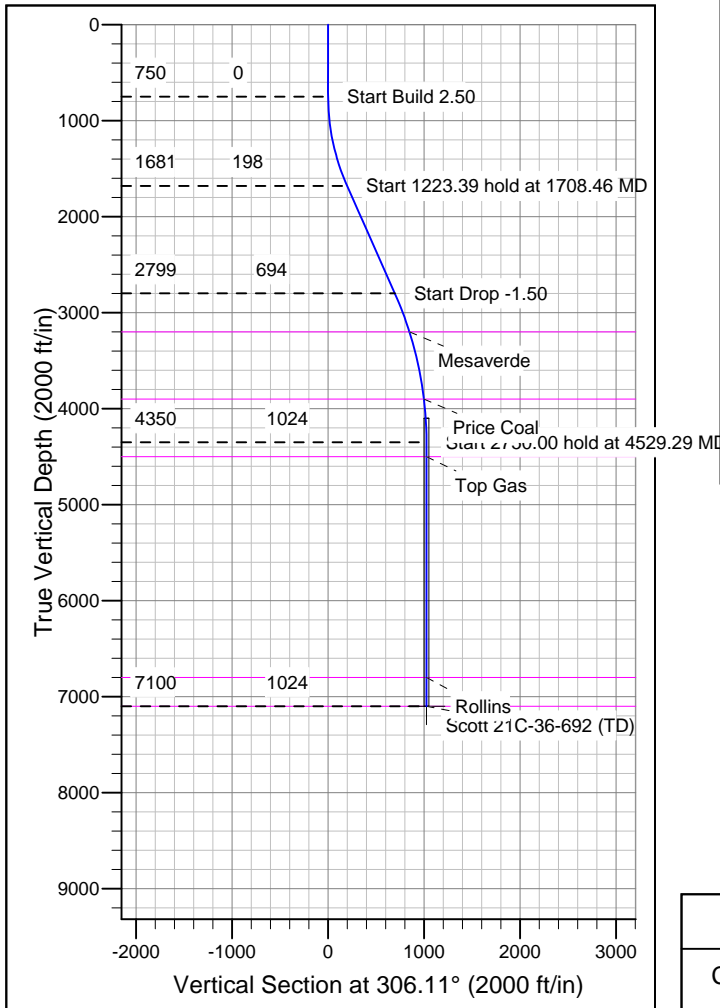
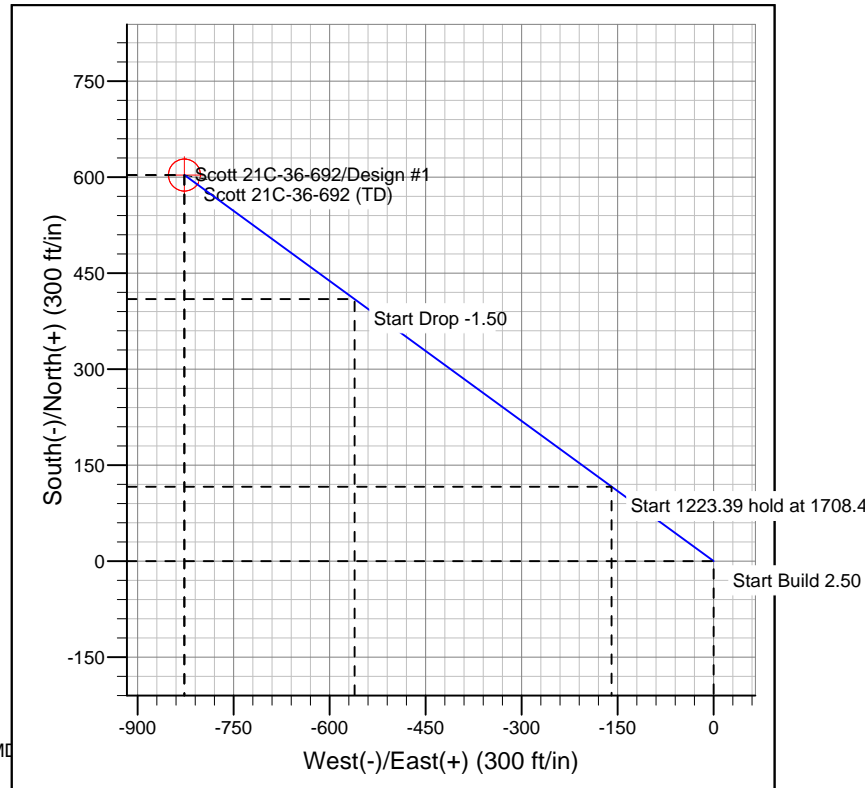
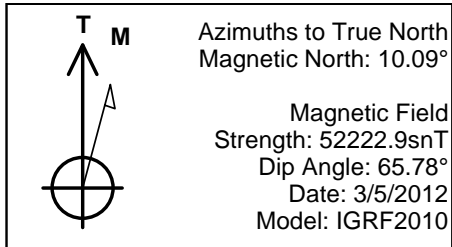
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,361.17	3,200.00	Mesaverde		0.00	
4,078.24	3,900.00	Price Coal		0.00	
4,679.29	4,500.00	Top Gas		0.00	
6,979.29	6,800.00	Rollins		0.00	
7,279.29	7,100.00	TD		0.00	

# WELL DETAILS: Scott 21C-36-692

+N/-S	+E/-W	Northing	Ground Level:	5884.50		
0.00	0.00	1609597.930	Easting	2403222.817	Latitude	Longitude
					39° 29' 16.987 N	107° 36' 52.8480 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	1708.46	23.96	306.11	1680.77	116.40	-159.57	2.50	306.11	197.51	
4	2931.85	23.96	306.11	2798.72	409.20	-560.97	0.00	0.00	694.36	
5	4529.29	0.00	0.00	4350.00	603.20	-826.92	1.50	180.00	1023.55	
6	7279.29	0.00	0.00	7100.00	603.20	-826.92	0.00	0.00	1023.55	Scott 21C-36-692 (TD)



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3200.00	3361.17	Mesaverde
3900.00	4078.24	Price Coal
4500.00	4679.29	Top Gas
6800.00	6979.29	Rollins
7100.00	7279.29	TD

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Scott 21C-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