

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #4 NWNW-30-691

Kaufman 42C-25-692

Wellbore #1

Plan: Design #1

Standard Planning Report

31 December, 2009

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42C-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5786.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5786.00ft (Original Well Elev)
Site:	Kaufman Pad #4 NWNW-30-691	North Reference:	True
Well:	Kaufman 42C-25-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	GARFIELD COUNTY, COLORADO NAD 1983		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site						Kaufman Pad #4 NWNW-30-691											
Site Position:			Northing:			1,614,920.309ft			Latitude:			39° 30' 10.271 N					
From:			Lat/Long			Easting:			2,406,245.151 ft			Longitude:			107° 36' 15.8796 W		
Position Uncertainty:			0.00 ft			Slot Radius:			"			Grid Convergence:			-1.33 °		

Well	Kaufman 42C-25-692					
Well Position	+N-S	43.70 ft	Northing:	1,614,964.461 ft	Latitude:	39° 30' 10.703 N
	+E-W	-20.03 ft	Easting:	2,406,226.134 ft	Longitude:	107° 36' 16.1352 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	12/29/2009	10.42	65.84	52,432

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	231.72

Plan Sections										
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	
1,534.48	19.61	231.72	1,519.25	-82.37	-104.37	2.50	2.50	0.00	231.72	
4,667.92	19.61	231.72	4,470.91	-733.95	-929.95	0.00	0.00	0.00	0.00	
5,975.39	0.00	0.00	5,753.00	-871.23	-1,103.90	1.50	-1.50	0.00	180.00	
7,475.39	0.00	0.00	7,253.00	-871.23	-1,103.90	0.00	0.00	0.00	0.00	Kaufman 42C-25-692

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42C-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5786.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5786.00ft (Original Well Elev)
Site:	Kaufman Pad #4 NWNW-30-691	North Reference:	True
Well:	Kaufman 42C-25-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
9 5/8"									
800.00	1.25	231.72	800.00	-0.34	-0.43	0.55	2.50	2.50	0.00
900.00	3.75	231.72	899.89	-3.04	-3.85	4.91	2.50	2.50	0.00
1,000.00	6.25	231.72	999.50	-8.44	-10.69	13.62	2.50	2.50	0.00
1,100.00	8.75	231.72	1,098.64	-16.52	-20.94	26.67	2.50	2.50	0.00
1,200.00	11.25	231.72	1,197.11	-27.28	-34.57	44.04	2.50	2.50	0.00
1,300.00	13.75	231.72	1,294.74	-40.69	-51.56	65.68	2.50	2.50	0.00
1,400.00	16.25	231.72	1,391.32	-56.72	-71.87	91.56	2.50	2.50	0.00
1,500.00	18.75	231.72	1,486.69	-75.35	-95.47	121.63	2.50	2.50	0.00
1,534.48	19.61	231.72	1,519.25	-82.37	-104.37	132.96	2.50	2.50	0.00
1,600.00	19.61	231.72	1,580.97	-95.99	-121.63	154.95	0.00	0.00	0.00
1,700.00	19.61	231.72	1,675.17	-116.79	-147.98	188.51	0.00	0.00	0.00
1,800.00	19.61	231.72	1,769.37	-137.58	-174.32	222.08	0.00	0.00	0.00
1,900.00	19.61	231.72	1,863.57	-158.38	-200.67	255.64	0.00	0.00	0.00
2,000.00	19.61	231.72	1,957.76	-179.17	-227.02	289.21	0.00	0.00	0.00
2,100.00	19.61	231.72	2,051.96	-199.97	-253.37	322.77	0.00	0.00	0.00
2,200.00	19.61	231.72	2,146.16	-220.76	-279.72	356.34	0.00	0.00	0.00
2,300.00	19.61	231.72	2,240.36	-241.55	-306.06	389.90	0.00	0.00	0.00
2,400.00	19.61	231.72	2,334.56	-262.35	-332.41	423.47	0.00	0.00	0.00
2,500.00	19.61	231.72	2,428.76	-283.14	-358.76	457.03	0.00	0.00	0.00
2,600.00	19.61	231.72	2,522.96	-303.94	-385.11	490.60	0.00	0.00	0.00
2,700.00	19.61	231.72	2,617.16	-324.73	-411.45	524.16	0.00	0.00	0.00
2,800.00	19.61	231.72	2,711.35	-345.53	-437.80	557.73	0.00	0.00	0.00
2,900.00	19.61	231.72	2,805.55	-366.32	-464.15	591.29	0.00	0.00	0.00
3,000.00	19.61	231.72	2,899.75	-387.12	-490.50	624.86	0.00	0.00	0.00
3,100.00	19.61	231.72	2,993.95	-407.91	-516.84	658.42	0.00	0.00	0.00
3,200.00	19.61	231.72	3,088.15	-428.70	-543.19	691.99	0.00	0.00	0.00
3,300.00	19.61	231.72	3,182.35	-449.50	-569.54	725.55	0.00	0.00	0.00
3,400.00	19.61	231.72	3,276.55	-470.29	-595.89	759.12	0.00	0.00	0.00
3,475.85	19.61	231.72	3,348.00	-486.07	-615.87	784.58	0.00	0.00	0.00
Mesaverde									
3,500.00	19.61	231.72	3,370.75	-491.09	-622.23	792.68	0.00	0.00	0.00
3,600.00	19.61	231.72	3,464.94	-511.88	-648.58	826.24	0.00	0.00	0.00
3,700.00	19.61	231.72	3,559.14	-532.68	-674.93	859.81	0.00	0.00	0.00
3,800.00	19.61	231.72	3,653.34	-553.47	-701.28	893.37	0.00	0.00	0.00
3,900.00	19.61	231.72	3,747.54	-574.26	-727.62	926.94	0.00	0.00	0.00
4,000.00	19.61	231.72	3,841.74	-595.06	-753.97	960.50	0.00	0.00	0.00
4,100.00	19.61	231.72	3,935.94	-615.85	-780.32	994.07	0.00	0.00	0.00
4,200.00	19.61	231.72	4,030.14	-636.65	-806.67	1,027.63	0.00	0.00	0.00
4,300.00	19.61	231.72	4,124.33	-657.44	-833.01	1,061.20	0.00	0.00	0.00
4,325.12	19.61	231.72	4,148.00	-662.67	-839.63	1,069.63	0.00	0.00	0.00
Price Coal									
4,400.00	19.61	231.72	4,218.53	-678.24	-859.36	1,094.76	0.00	0.00	0.00
4,500.00	19.61	231.72	4,312.73	-699.03	-885.71	1,128.33	0.00	0.00	0.00

BBC

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Well:	Kaufman 42C-25-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
4,600.00	19.61	231.72	4,406.93	-719.82	-912.06	1,161.89	0.00	0.00	0.00
4,664.83	19.61	231.72	4,468.00	-733.31	-929.14	1,183.65	0.00	0.00	0.00
Top Gas									
4,667.92	19.61	231.72	4,470.91	-733.95	-929.95	1,184.69	0.00	0.00	0.00
4,700.00	19.13	231.72	4,501.17	-740.54	-938.31	1,195.33	1.50	-1.50	0.00
4,800.00	17.63	231.72	4,596.07	-760.08	-963.06	1,226.86	1.50	-1.50	0.00
4,900.00	16.13	231.72	4,691.76	-778.07	-985.85	1,255.90	1.50	-1.50	0.00
5,000.00	14.63	231.72	4,788.17	-794.50	-1,006.67	1,282.42	1.50	-1.50	0.00
5,100.00	13.13	231.72	4,885.25	-809.36	-1,025.50	1,306.41	1.50	-1.50	0.00
5,200.00	11.63	231.72	4,982.92	-822.64	-1,042.33	1,327.85	1.50	-1.50	0.00
5,300.00	10.13	231.72	5,081.12	-834.34	-1,057.15	1,346.73	1.50	-1.50	0.00
5,400.00	8.63	231.72	5,179.78	-844.43	-1,069.94	1,363.03	1.50	-1.50	0.00
5,500.00	7.13	231.72	5,278.83	-852.93	-1,080.71	1,376.74	1.50	-1.50	0.00
5,600.00	5.63	231.72	5,378.21	-859.81	-1,089.43	1,387.85	1.50	-1.50	0.00
5,700.00	4.13	231.72	5,477.85	-865.08	-1,096.11	1,396.36	1.50	-1.50	0.00
5,800.00	2.63	231.72	5,577.67	-868.74	-1,100.74	1,402.26	1.50	-1.50	0.00
5,900.00	1.13	231.72	5,677.61	-870.77	-1,103.31	1,405.54	1.50	-1.50	0.00
5,975.39	0.00	0.00	5,753.00	-871.23	-1,103.90	1,406.28	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,777.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,100.00	0.00	0.00	5,877.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,200.00	0.00	0.00	5,977.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,300.00	0.00	0.00	6,077.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,400.00	0.00	0.00	6,177.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,500.00	0.00	0.00	6,277.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,600.00	0.00	0.00	6,377.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,700.00	0.00	0.00	6,477.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,800.00	0.00	0.00	6,577.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
6,900.00	0.00	0.00	6,677.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,000.00	0.00	0.00	6,777.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,100.00	0.00	0.00	6,877.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,175.39	0.00	0.00	6,953.00	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	6,977.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,300.00	0.00	0.00	7,077.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,400.00	0.00	0.00	7,177.61	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00
7,475.39	0.00	0.00	7,253.00	-871.23	-1,103.90	1,406.28	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
750.00	750.00	9 5/8"	9-5/8	12-1/4

BBC

Planning Report

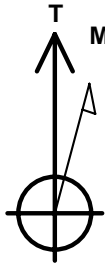
Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42C-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5786.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5786.00ft (Original Well Elev)
Site:	Kaufman Pad #4 NWNW-30-691	North Reference:	True
Well:	Kaufman 42C-25-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,475.85	3,348.00	Mesaverde		0.00		
4,325.12	4,148.00	Price Coal		0.00		
4,664.83	4,468.00	Top Gas		0.00		
7,175.39	6,953.00	Rollins		0.00		

WELL DETAILS: Kaufman 42C-25-692

Ground Level: 0.00

+N/-S+E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1614964.461 2406226.134 30° 10.703'N 96° 16.1352 W



Azimuths to True North
Magnetic North: 10.42°

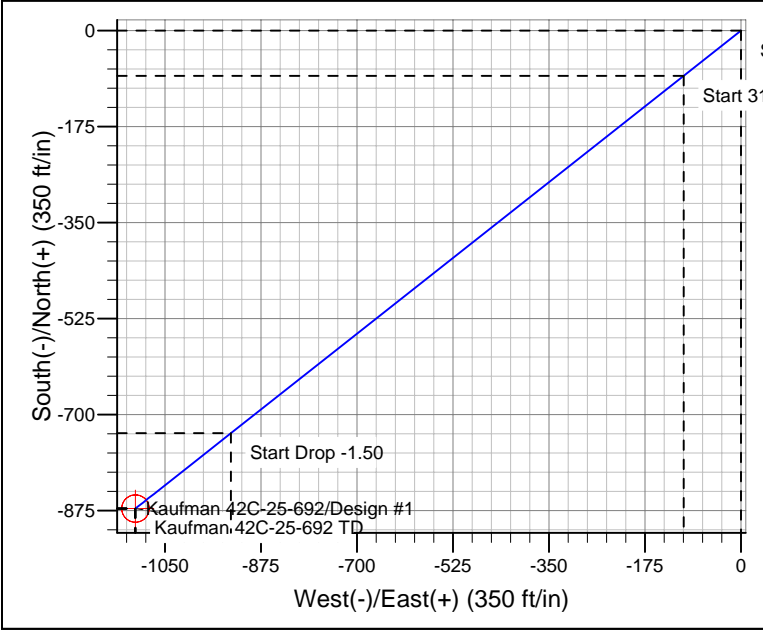
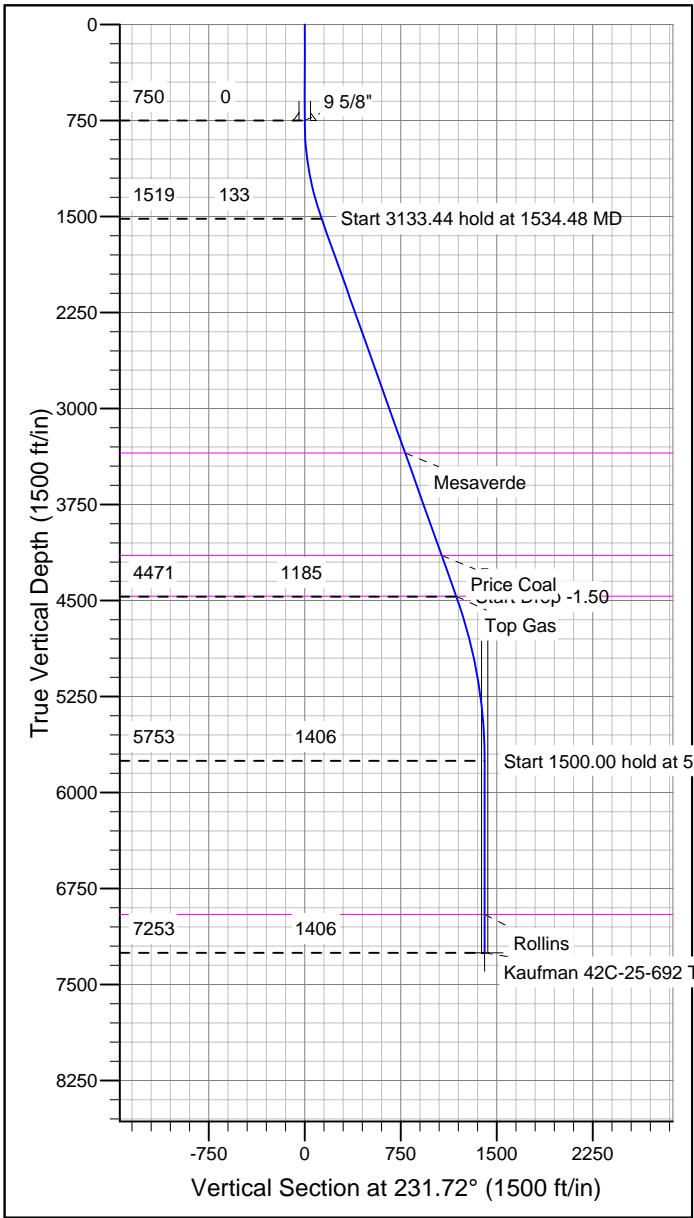
Magnetic Field
Strength: 52432.3snT
Dip Angle: 65.84°
Date: 12/29/2009
Model: BGGM2007

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	1534.48	19.61	231.72	1519.25	-82.37	-104.37	2.50	231.72	132.96	
4	4667.92	19.61	231.72	4470.91	-733.95	-929.95	0.00	0.00	184.69	
5	5975.39	0.00	0.00	5753.00	-871.23	-1103.90	1.50	180.00	406.28	
6	7475.39	0.00	0.00	7253.00	-871.23	-1103.90	0.00	0.00	406.28	Kaufman 42C-25-692 TD

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 42C-25-692 TD	7253.00	-871.23	-1103.90	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
750.00	750.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVD	MD	Formation
3348.00	3475.85	Mesaverde
4148.00	4325.12	Price Coal
4468.00	4664.83	Top Gas
6953.00	7175.39	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 42C-25-692, True North
Vertical (TVD) Reference: WELL @ 5786.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5786.00ft (Original Well Elev)
Calculation Method: Minimum Curvature