

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #5 NWSE-24-692

Kaufman 43C-24-692

Wellbore #1

Plan: Design #1

Standard Planning Report

30 September, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43C-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43C-24-692	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 #5 NWSE-24-692		
Site Position:		Northing:	1,618,121.825 ft
From:	Lat/Long	Easting:	2,404,091.811 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 41.411 N
		Longitude:	107° 36' 44.2944 W
		Grid Convergence:	-1.33 °

Well	Kaufman 43C-24-692		
Well Position	+N/-S	28.77 ft	Northing:
	+E/-W	57.27 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	9/30/2010	10.34	65.82	52,399

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	92.20

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	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,346.81	14.67	92.20	1,340.42	-2.87	74.66	2.50	2.50	0.00	92.20	
4,568.04	14.67	92.20	4,456.63	-34.17	889.86	0.00	0.00	0.00	0.00	
5,546.06	0.00	0.00	5,424.00	-38.95	1,014.29	1.50	-1.50	0.00	180.00	
7,546.06	0.00	0.00	7,424.00	-38.95	1,014.29	0.00	0.00	0.00	0.00	Kaufman 43C-24-692

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43C-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43C-24-692	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
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.00	92.20	800.00	-0.01	0.35	0.35	2.50	2.50	0.00
900.00	3.50	92.20	899.91	-0.16	4.27	4.27	2.50	2.50	0.00
1,000.00	6.00	92.20	999.56	-0.48	12.55	12.55	2.50	2.50	0.00
1,100.00	8.50	92.20	1,098.75	-0.97	25.16	25.17	2.50	2.50	0.00
1,200.00	11.00	92.20	1,197.30	-1.62	42.08	42.11	2.50	2.50	0.00
1,300.00	13.50	92.20	1,295.02	-2.43	63.28	63.32	2.50	2.50	0.00
1,346.81	14.67	92.20	1,340.42	-2.87	74.66	74.72	2.50	2.50	0.00
1,400.00	14.67	92.20	1,391.88	-3.38	88.12	88.19	0.00	0.00	0.00
1,500.00	14.67	92.20	1,488.62	-4.36	113.43	113.51	0.00	0.00	0.00
1,600.00	14.67	92.20	1,585.36	-5.33	138.73	138.84	0.00	0.00	0.00
1,700.00	14.67	92.20	1,682.09	-6.30	164.04	164.16	0.00	0.00	0.00
1,800.00	14.67	92.20	1,778.83	-7.27	189.35	189.49	0.00	0.00	0.00
1,900.00	14.67	92.20	1,875.57	-8.24	214.66	214.81	0.00	0.00	0.00
2,000.00	14.67	92.20	1,972.31	-9.21	239.96	240.14	0.00	0.00	0.00
2,100.00	14.67	92.20	2,069.05	-10.19	265.27	265.47	0.00	0.00	0.00
2,200.00	14.67	92.20	2,165.79	-11.16	290.58	290.79	0.00	0.00	0.00
2,300.00	14.67	92.20	2,262.53	-12.13	315.88	316.12	0.00	0.00	0.00
2,400.00	14.67	92.20	2,359.27	-13.10	341.19	341.44	0.00	0.00	0.00
2,500.00	14.67	92.20	2,456.01	-14.07	366.50	366.77	0.00	0.00	0.00
2,600.00	14.67	92.20	2,552.75	-15.04	391.80	392.09	0.00	0.00	0.00
2,700.00	14.67	92.20	2,649.49	-16.02	417.11	417.42	0.00	0.00	0.00
2,800.00	14.67	92.20	2,746.23	-16.99	442.42	442.74	0.00	0.00	0.00
2,900.00	14.67	92.20	2,842.97	-17.96	467.73	468.07	0.00	0.00	0.00
3,000.00	14.67	92.20	2,939.71	-18.93	493.03	493.40	0.00	0.00	0.00
3,100.00	14.67	92.20	3,036.45	-19.90	518.34	518.72	0.00	0.00	0.00
3,200.00	14.67	92.20	3,133.19	-20.87	543.65	544.05	0.00	0.00	0.00
3,300.00	14.67	92.20	3,229.93	-21.85	568.95	569.37	0.00	0.00	0.00
3,400.00	14.67	92.20	3,326.67	-22.82	594.26	594.70	0.00	0.00	0.00
3,500.00	14.67	92.20	3,423.41	-23.79	619.57	620.02	0.00	0.00	0.00
3,600.00	14.67	92.20	3,520.15	-24.76	644.87	645.35	0.00	0.00	0.00
3,660.83	14.67	92.20	3,579.00	-25.35	660.27	660.76	0.00	0.00	0.00
Mesaverde									
3,700.00	14.67	92.20	3,616.89	-25.73	670.18	670.68	0.00	0.00	0.00
3,800.00	14.67	92.20	3,713.63	-26.70	695.49	696.00	0.00	0.00	0.00
3,900.00	14.67	92.20	3,810.37	-27.68	720.80	721.33	0.00	0.00	0.00
4,000.00	14.67	92.20	3,907.11	-28.65	746.10	746.65	0.00	0.00	0.00
4,100.00	14.67	92.20	4,003.85	-29.62	771.41	771.98	0.00	0.00	0.00
4,200.00	14.67	92.20	4,100.59	-30.59	796.72	797.30	0.00	0.00	0.00
4,300.00	14.67	92.20	4,197.33	-31.56	822.02	822.63	0.00	0.00	0.00
4,400.00	14.67	92.20	4,294.07	-32.53	847.33	847.95	0.00	0.00	0.00
4,487.79	14.67	92.20	4,379.00	-33.39	869.55	870.19	0.00	0.00	0.00
Price Coal									
4,500.00	14.67	92.20	4,390.81	-33.51	872.64	873.28	0.00	0.00	0.00

BBC

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Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43C-24-692	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)
4,568.04	14.67	92.20	4,456.63	-34.17	889.86	890.51	0.00	0.00	0.00
4,600.00	14.19	92.20	4,487.59	-34.47	897.82	898.48	1.50	-1.50	0.00
4,700.00	12.69	92.20	4,584.84	-35.36	921.04	921.72	1.50	-1.50	0.00
4,800.00	11.19	92.20	4,682.68	-36.16	941.72	942.41	1.50	-1.50	0.00
4,877.65	10.03	92.20	4,759.00	-36.71	956.00	956.70	1.50	-1.50	0.00
Top Gas									
4,900.00	9.69	92.20	4,781.02	-36.85	959.82	960.53	1.50	-1.50	0.00
5,000.00	8.19	92.20	4,879.80	-37.45	975.35	976.07	1.50	-1.50	0.00
5,100.00	6.69	92.20	4,978.96	-37.95	988.29	989.02	1.50	-1.50	0.00
5,200.00	5.19	92.20	5,078.42	-38.34	998.64	999.37	1.50	-1.50	0.00
5,300.00	3.69	92.20	5,178.11	-38.64	1,006.37	1,007.11	1.50	-1.50	0.00
5,400.00	2.19	92.20	5,277.98	-38.84	1,011.50	1,012.24	1.50	-1.50	0.00
5,500.00	0.69	92.20	5,377.94	-38.93	1,014.01	1,014.76	1.50	-1.50	0.00
5,546.06	0.00	0.00	5,424.00	-38.95	1,014.29	1,015.04	1.50	-1.50	0.00
5,600.00	0.00	0.00	5,477.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
5,700.00	0.00	0.00	5,577.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
5,800.00	0.00	0.00	5,677.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
5,900.00	0.00	0.00	5,777.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,000.00	0.00	0.00	5,877.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,100.00	0.00	0.00	5,977.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,200.00	0.00	0.00	6,077.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,300.00	0.00	0.00	6,177.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,400.00	0.00	0.00	6,277.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,500.00	0.00	0.00	6,377.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,600.00	0.00	0.00	6,477.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,700.00	0.00	0.00	6,577.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,800.00	0.00	0.00	6,677.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
6,900.00	0.00	0.00	6,777.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,000.00	0.00	0.00	6,877.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,100.00	0.00	0.00	6,977.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,200.00	0.00	0.00	7,077.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,246.06	0.00	0.00	7,124.00	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
Rollins									
7,300.00	0.00	0.00	7,177.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,400.00	0.00	0.00	7,277.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,500.00	0.00	0.00	7,377.94	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
7,546.06	0.00	0.00	7,424.00	-38.95	1,014.29	1,015.04	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
760.00	760.00	9 5/8"	9-5/8	12-1/4

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43C-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43C-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,660.83	3,579.00	Mesaverde		0.00		
4,487.79	4,379.00	Price Coal		0.00		
4,877.65	4,759.00	Top Gas		0.00		
7,246.06	7,124.00	Rollins		0.00		
7,546.06	7,424.00	TD		0.00		

WELL DETAILS: Kaufman 43C-24-692

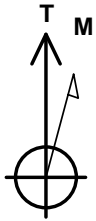
			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1618149.252	2404149.738	39° 30' 41.695 N	107° 36' 43.5636 W	

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	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
3	1346.81	14.67	92.20	1340.42	-2.87	74.66	2.50	92.20	74.72	
4	4568.04	14.67	92.20	4456.63	-34.17	889.86	0.00	0.00	890.51	
5	5546.06	0.00	0.00	5424.00	-38.95	1014.29	1.50	180.00	1015.04	
6	7546.06	0.00	0.00	7424.00	-38.95	1014.29	0.00	0.00	1015.04	Kaufman 43C-24-692 (TD)

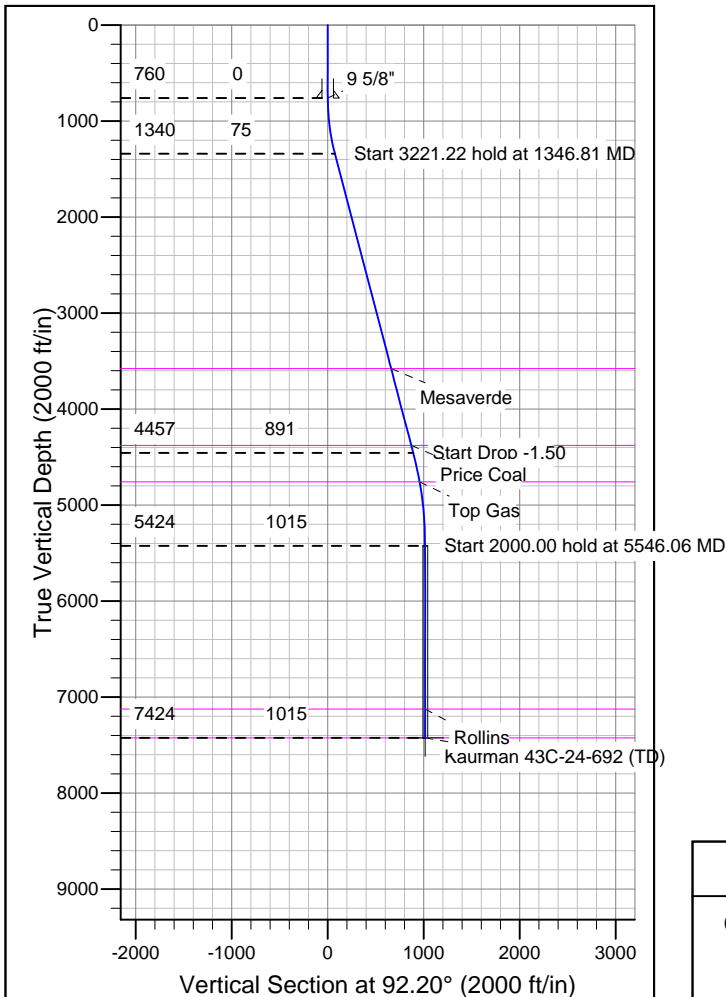
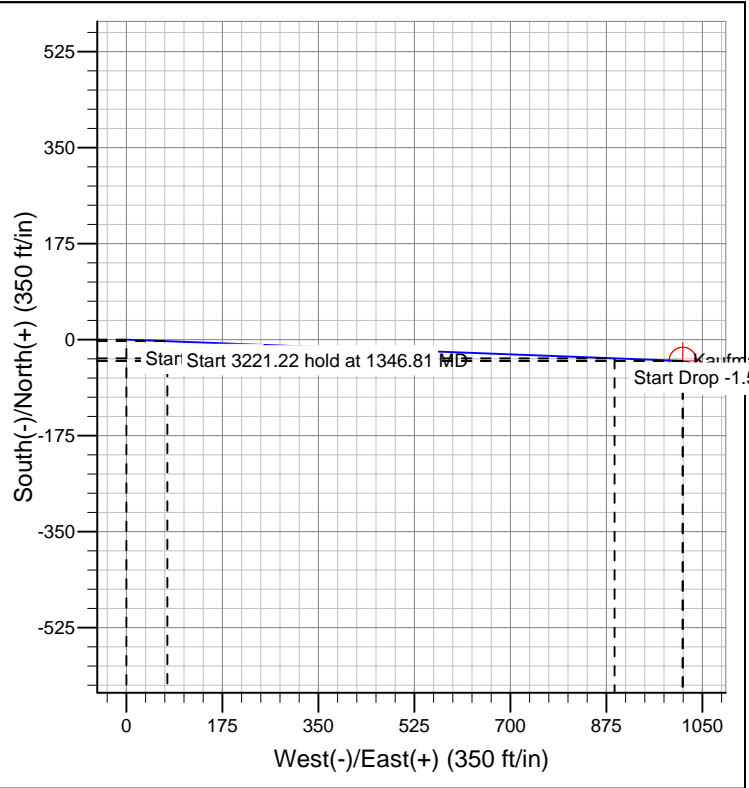
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 43C-24-692 (TD)	7424.00	-38.95	1014.29	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.35°

Magnetic Field
Strength: 52531.8snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3579.00	3660.83	Mesaverde
4379.00	4487.79	Price Coal
4759.00	4877.65	Top Gas
7124.00	7246.06	Rollins
7424.00	7546.06	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 43C-24-692, True North
Vertical (TVD) Reference: WELL @ 0.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 0.00ft (Original Well Elev)
Calculation Method: Minimum Curvature