

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #5 NWSE-24-692

Kaufman 43D-24-692

Wellbore #1

Plan: Design #1

Standard Planning Report

30 September, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43D-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 43D-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 43D-24-692		
Well Position	+N/-S	36.05 ft	Northing:
	+E/-W	71.38 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	74.25

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	
1,361.17	15.03	74.25	1,354.30	21.28	75.45	2.50	2.50	0.00	74.25	
4,554.60	15.03	74.25	4,438.50	246.11	872.44	0.00	0.00	0.00	0.00	
5,556.56	0.00	0.00	5,429.00	281.59	998.19	1.50	-1.50	0.00	180.00	
7,556.56	0.00	0.00	7,429.00	281.59	998.19	0.00	0.00	0.00	0.00	Kaufman 43D-24-692

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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 43D-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	74.25	800.00	0.09	0.34	0.35	2.50	2.50	0.00
900.00	3.50	74.25	899.91	1.16	4.11	4.27	2.50	2.50	0.00
1,000.00	6.00	74.25	999.56	3.41	12.08	12.55	2.50	2.50	0.00
1,100.00	8.50	74.25	1,098.75	6.83	24.23	25.17	2.50	2.50	0.00
1,200.00	11.00	74.25	1,197.30	11.43	40.53	42.11	2.50	2.50	0.00
1,300.00	13.50	74.25	1,295.02	17.19	60.94	63.32	2.50	2.50	0.00
1,361.17	15.03	74.25	1,354.30	21.28	75.45	78.40	2.50	2.50	0.00
1,400.00	15.03	74.25	1,391.80	24.02	85.14	88.46	0.00	0.00	0.00
1,500.00	15.03	74.25	1,488.38	31.06	110.10	114.40	0.00	0.00	0.00
1,600.00	15.03	74.25	1,584.96	38.10	135.06	140.33	0.00	0.00	0.00
1,700.00	15.03	74.25	1,681.54	45.14	160.01	166.26	0.00	0.00	0.00
1,800.00	15.03	74.25	1,778.12	52.18	184.97	192.19	0.00	0.00	0.00
1,900.00	15.03	74.25	1,874.70	59.22	209.93	218.12	0.00	0.00	0.00
2,000.00	15.03	74.25	1,971.28	66.26	234.88	244.05	0.00	0.00	0.00
2,100.00	15.03	74.25	2,067.86	73.30	259.84	269.98	0.00	0.00	0.00
2,200.00	15.03	74.25	2,164.44	80.34	284.80	295.91	0.00	0.00	0.00
2,300.00	15.03	74.25	2,261.02	87.38	309.76	321.85	0.00	0.00	0.00
2,400.00	15.03	74.25	2,357.59	94.42	334.71	347.78	0.00	0.00	0.00
2,500.00	15.03	74.25	2,454.17	101.46	359.67	373.71	0.00	0.00	0.00
2,600.00	15.03	74.25	2,550.75	108.50	384.63	399.64	0.00	0.00	0.00
2,700.00	15.03	74.25	2,647.33	115.54	409.59	425.57	0.00	0.00	0.00
2,800.00	15.03	74.25	2,743.91	122.58	434.54	451.50	0.00	0.00	0.00
2,900.00	15.03	74.25	2,840.49	129.62	459.50	477.43	0.00	0.00	0.00
3,000.00	15.03	74.25	2,937.07	136.66	484.46	503.36	0.00	0.00	0.00
3,100.00	15.03	74.25	3,033.65	143.70	509.41	529.30	0.00	0.00	0.00
3,200.00	15.03	74.25	3,130.23	150.74	534.37	555.23	0.00	0.00	0.00
3,300.00	15.03	74.25	3,226.81	157.78	559.33	581.16	0.00	0.00	0.00
3,400.00	15.03	74.25	3,323.39	164.83	584.29	607.09	0.00	0.00	0.00
3,500.00	15.03	74.25	3,419.97	171.87	609.24	633.02	0.00	0.00	0.00
3,600.00	15.03	74.25	3,516.55	178.91	634.20	658.95	0.00	0.00	0.00
3,664.66	15.03	74.25	3,579.00	183.46	650.34	675.72	0.00	0.00	0.00
Mesaverde									
3,700.00	15.03	74.25	3,613.13	185.95	659.16	684.88	0.00	0.00	0.00
3,800.00	15.03	74.25	3,709.71	192.99	684.11	710.81	0.00	0.00	0.00
3,900.00	15.03	74.25	3,806.29	200.03	709.07	736.75	0.00	0.00	0.00
4,000.00	15.03	74.25	3,902.86	207.07	734.03	762.68	0.00	0.00	0.00
4,100.00	15.03	74.25	3,999.44	214.11	758.99	788.61	0.00	0.00	0.00
4,200.00	15.03	74.25	4,096.02	221.15	783.94	814.54	0.00	0.00	0.00
4,300.00	15.03	74.25	4,192.60	228.19	808.90	840.47	0.00	0.00	0.00
4,400.00	15.03	74.25	4,289.18	235.23	833.86	866.40	0.00	0.00	0.00
4,498.18	15.03	74.25	4,384.00	242.14	858.36	891.86	0.00	0.00	0.00
Price Coal									
4,500.00	15.03	74.25	4,385.76	242.27	858.82	892.33	0.00	0.00	0.00

BBC

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Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43D-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)
4,554.60	15.03	74.25	4,438.50	246.11	872.44	906.49	0.00	0.00	0.00
4,600.00	14.35	74.25	4,482.41	249.24	883.52	918.00	1.50	-1.50	0.00
4,700.00	12.85	74.25	4,579.60	255.62	906.15	941.51	1.50	-1.50	0.00
4,800.00	11.35	74.25	4,677.38	261.31	926.32	962.47	1.50	-1.50	0.00
4,888.15	10.03	74.25	4,764.00	265.75	942.05	978.82	1.50	-1.50	0.00
Top Gas									
4,900.00	9.85	74.25	4,775.67	266.31	944.02	980.86	1.50	-1.50	0.00
5,000.00	8.35	74.25	4,874.41	270.60	959.24	996.68	1.50	-1.50	0.00
5,100.00	6.85	74.25	4,973.53	274.19	971.97	1,009.90	1.50	-1.50	0.00
5,200.00	5.35	74.25	5,072.96	277.07	982.19	1,020.52	1.50	-1.50	0.00
5,300.00	3.85	74.25	5,172.64	279.25	989.91	1,028.54	1.50	-1.50	0.00
5,400.00	2.35	74.25	5,272.49	280.72	995.11	1,033.94	1.50	-1.50	0.00
5,500.00	0.85	74.25	5,372.44	281.47	997.79	1,036.73	1.50	-1.50	0.00
5,556.56	0.00	0.00	5,429.00	281.59	998.19	1,037.15	1.50	-1.50	0.00
5,600.00	0.00	0.00	5,472.44	281.59	998.19	1,037.15	0.00	0.00	0.00
5,700.00	0.00	0.00	5,572.44	281.59	998.19	1,037.15	0.00	0.00	0.00
5,800.00	0.00	0.00	5,672.44	281.59	998.19	1,037.15	0.00	0.00	0.00
5,900.00	0.00	0.00	5,772.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,000.00	0.00	0.00	5,872.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,100.00	0.00	0.00	5,972.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,200.00	0.00	0.00	6,072.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,300.00	0.00	0.00	6,172.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,400.00	0.00	0.00	6,272.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,500.00	0.00	0.00	6,372.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,600.00	0.00	0.00	6,472.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,700.00	0.00	0.00	6,572.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,800.00	0.00	0.00	6,672.44	281.59	998.19	1,037.15	0.00	0.00	0.00
6,900.00	0.00	0.00	6,772.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,000.00	0.00	0.00	6,872.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,100.00	0.00	0.00	6,972.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,200.00	0.00	0.00	7,072.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,256.56	0.00	0.00	7,129.00	281.59	998.19	1,037.15	0.00	0.00	0.00
Rollins									
7,300.00	0.00	0.00	7,172.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,400.00	0.00	0.00	7,272.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,500.00	0.00	0.00	7,372.44	281.59	998.19	1,037.15	0.00	0.00	0.00
7,556.56	0.00	0.00	7,429.00	281.59	998.19	1,037.15	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 43D-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 43D-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 (°)	
3,664.66	3,579.00	Mesaverde		0.00		
4,498.18	4,384.00	Price Coal		0.00		
4,888.15	4,764.00	Top Gas		0.00		
7,256.56	7,129.00	Rollins		0.00		
7,556.56	7,429.00	TD		0.00		

WELL DETAILS: Kaufman 43D-24-692

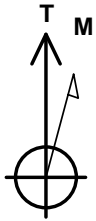
			Ground Level:	0.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1618156.207	2404164.010	39° 30' 41.767 N 107° 36' 43.3836 W		

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	1361.17	15.03	74.25	1354.30	21.28	75.45	2.50	74.25	78.40	
4	4554.60	15.03	74.25	4438.50	246.11	872.44	0.00	0.00	906.49	
5	5556.56	0.00	0.00	5429.00	281.59	998.19	1.50	180.00	1037.15	
6	7556.56	0.00	0.00	7429.00	281.59	998.19	0.00	0.00	1037.15	Kaufman 43D-24-692 (TD)

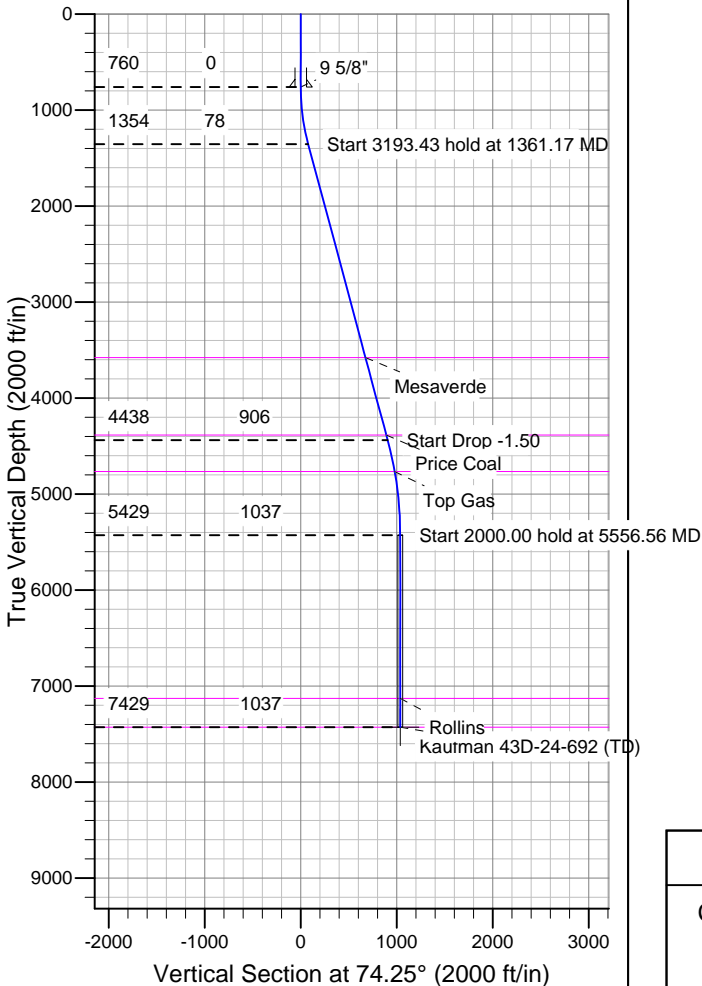
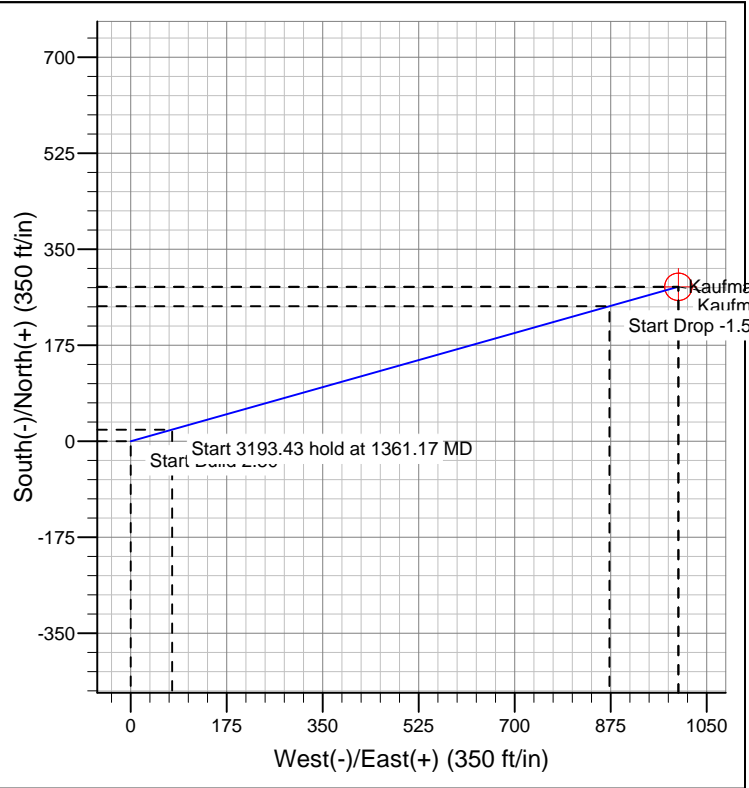
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 43D-24-692 (TD)	7429.00	281.59	998.19	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.35°

Magnetic Field
Strength: 52531.9snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3579.00	3664.66	Mesaverde
4384.00	4498.18	Price Coal
4764.00	4888.15	Top Gas
7129.00	7256.56	Rollins
7429.00	7556.56	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 43D-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