

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #4 NWNW-30-691

Kaufman 42A-25-692

Wellbore #1

Plan: Design #1

Standard Planning Report

31 December, 2009

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42A-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 42A-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 42A-25-692					
Well Position	+N-S	14.56 ft	Northing:	1,614,935.023 ft	Latitude:	39° 30' 10.415 N
	+E-W	-6.77 ft	Easting:	2,406,238.718 ft	Longitude:	107° 36' 15.9660 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	216.28	

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	
770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,933.42	29.09	216.28	1,884.09	-232.98	-171.01	2.50	2.50	0.00	216.28	
4,201.52	29.09	216.28	3,866.18	-1,121.80	-823.42	0.00	0.00	0.00	0.00	
6,140.56	0.00	0.00	5,723.00	-1,510.11	-1,108.44	1.50	-1.50	0.00	180.00	
7,640.56	0.00	0.00	7,223.00	-1,510.11	-1,108.44	0.00	0.00	0.00	0.00	Kaufman 42A-25-692

BBC

Planning Report

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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 42A-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
770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.75	216.28	800.00	-0.16	-0.12	0.20	2.50	2.50	0.00
900.00	3.25	216.28	899.93	-2.97	-2.18	3.69	2.50	2.50	0.00
1,000.00	5.75	216.28	999.61	-9.30	-6.82	11.53	2.50	2.50	0.00
1,100.00	8.25	216.28	1,098.86	-19.12	-14.03	23.72	2.50	2.50	0.00
1,200.00	10.75	216.28	1,197.48	-32.42	-23.80	40.22	2.50	2.50	0.00
1,300.00	13.25	216.28	1,295.29	-49.18	-36.10	61.01	2.50	2.50	0.00
1,400.00	15.75	216.28	1,392.10	-69.37	-50.92	86.05	2.50	2.50	0.00
1,500.00	18.25	216.28	1,487.72	-92.93	-68.21	115.28	2.50	2.50	0.00
1,600.00	20.75	216.28	1,581.98	-119.84	-87.96	148.66	2.50	2.50	0.00
1,700.00	23.25	216.28	1,674.69	-150.04	-110.13	186.12	2.50	2.50	0.00
1,800.00	25.75	216.28	1,765.68	-183.46	-134.67	227.58	2.50	2.50	0.00
1,900.00	28.25	216.28	1,854.77	-220.06	-161.53	272.98	2.50	2.50	0.00
1,933.42	29.09	216.28	1,884.09	-232.98	-171.01	289.01	2.50	2.50	0.00
2,000.00	29.09	216.28	1,942.28	-259.07	-190.16	321.38	0.00	0.00	0.00
2,100.00	29.09	216.28	2,029.67	-298.26	-218.93	369.99	0.00	0.00	0.00
2,200.00	29.09	216.28	2,117.05	-337.45	-247.69	418.60	0.00	0.00	0.00
2,300.00	29.09	216.28	2,204.44	-376.64	-276.46	467.21	0.00	0.00	0.00
2,400.00	29.09	216.28	2,291.83	-415.83	-305.22	515.82	0.00	0.00	0.00
2,500.00	29.09	216.28	2,379.22	-455.01	-333.99	564.43	0.00	0.00	0.00
2,600.00	29.09	216.28	2,466.61	-494.20	-362.75	613.04	0.00	0.00	0.00
2,700.00	29.09	216.28	2,554.00	-533.39	-391.52	661.66	0.00	0.00	0.00
2,800.00	29.09	216.28	2,641.39	-572.58	-420.28	710.27	0.00	0.00	0.00
2,900.00	29.09	216.28	2,728.78	-611.76	-449.04	758.88	0.00	0.00	0.00
3,000.00	29.09	216.28	2,816.17	-650.95	-477.81	807.49	0.00	0.00	0.00
3,100.00	29.09	216.28	2,903.56	-690.14	-506.57	856.10	0.00	0.00	0.00
3,200.00	29.09	216.28	2,990.95	-729.33	-535.34	904.71	0.00	0.00	0.00
3,300.00	29.09	216.28	3,078.34	-768.52	-564.10	953.32	0.00	0.00	0.00
3,400.00	29.09	216.28	3,165.73	-807.70	-592.87	1,001.94	0.00	0.00	0.00
3,500.00	29.09	216.28	3,253.12	-846.89	-621.63	1,050.55	0.00	0.00	0.00
3,585.69	29.09	216.28	3,328.00	-880.47	-646.28	1,092.20	0.00	0.00	0.00
Mesaverde									
3,600.00	29.09	216.28	3,340.51	-886.08	-650.39	1,099.16	0.00	0.00	0.00
3,700.00	29.09	216.28	3,427.90	-925.27	-679.16	1,147.77	0.00	0.00	0.00
3,800.00	29.09	216.28	3,515.29	-964.45	-707.92	1,196.38	0.00	0.00	0.00
3,900.00	29.09	216.28	3,602.68	-1,003.64	-736.69	1,244.99	0.00	0.00	0.00
4,000.00	29.09	216.28	3,690.07	-1,042.83	-765.45	1,293.60	0.00	0.00	0.00
4,100.00	29.09	216.28	3,777.46	-1,082.02	-794.22	1,342.22	0.00	0.00	0.00
4,200.00	29.09	216.28	3,864.85	-1,121.21	-822.98	1,390.83	0.00	0.00	0.00
4,201.52	29.09	216.28	3,866.18	-1,121.80	-823.42	1,391.57	0.00	0.00	0.00
4,300.00	27.61	216.28	3,952.84	-1,159.49	-851.09	1,438.32	1.50	-1.50	0.00
4,400.00	26.11	216.28	4,042.05	-1,195.91	-877.82	1,483.50	1.50	-1.50	0.00
4,495.14	24.68	216.28	4,128.00	-1,228.81	-901.96	1,524.30	1.50	-1.50	0.00
Price Coal									

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Well:	Kaufman 42A-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)
4,500.00	24.61	216.28	4,132.41	-1,230.44	-903.16	1,526.33	1.50	-1.50	0.00
4,600.00	23.11	216.28	4,223.87	-1,263.04	-927.09	1,566.77	1.50	-1.50	0.00
4,700.00	21.61	216.28	4,316.35	-1,293.71	-949.60	1,604.81	1.50	-1.50	0.00
4,800.00	20.11	216.28	4,409.79	-1,322.41	-970.67	1,640.42	1.50	-1.50	0.00
4,819.37	19.82	216.28	4,428.00	-1,327.74	-974.58	1,647.03	1.50	-1.50	0.00
Top Gas									
4,900.00	18.61	216.28	4,504.13	-1,349.13	-990.28	1,673.56	1.50	-1.50	0.00
5,000.00	17.11	216.28	4,599.31	-1,373.85	-1,008.43	1,704.23	1.50	-1.50	0.00
5,100.00	15.61	216.28	4,695.26	-1,396.56	-1,025.09	1,732.39	1.50	-1.50	0.00
5,200.00	14.11	216.28	4,791.92	-1,417.23	-1,040.27	1,758.04	1.50	-1.50	0.00
5,300.00	12.61	216.28	4,889.21	-1,435.85	-1,053.94	1,781.14	1.50	-1.50	0.00
5,400.00	11.11	216.28	4,987.07	-1,452.42	-1,066.10	1,801.69	1.50	-1.50	0.00
5,500.00	9.61	216.28	5,085.44	-1,466.91	-1,076.74	1,819.67	1.50	-1.50	0.00
5,600.00	8.11	216.28	5,184.24	-1,479.33	-1,085.85	1,835.07	1.50	-1.50	0.00
5,700.00	6.61	216.28	5,283.42	-1,489.65	-1,093.43	1,847.87	1.50	-1.50	0.00
5,800.00	5.11	216.28	5,382.89	-1,497.88	-1,099.46	1,858.08	1.50	-1.50	0.00
5,900.00	3.61	216.28	5,482.60	-1,504.01	-1,103.96	1,865.68	1.50	-1.50	0.00
6,000.00	2.11	216.28	5,582.47	-1,508.03	-1,106.91	1,870.67	1.50	-1.50	0.00
6,100.00	0.61	216.28	5,682.44	-1,509.94	-1,108.31	1,873.04	1.50	-1.50	0.00
6,140.56	0.00	0.00	5,723.00	-1,510.11	-1,108.44	1,873.25	1.50	-1.50	0.00
6,200.00	0.00	0.00	5,782.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,300.00	0.00	0.00	5,882.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,400.00	0.00	0.00	5,982.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,500.00	0.00	0.00	6,082.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,600.00	0.00	0.00	6,182.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,700.00	0.00	0.00	6,282.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,800.00	0.00	0.00	6,382.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
6,900.00	0.00	0.00	6,482.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,000.00	0.00	0.00	6,582.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,100.00	0.00	0.00	6,682.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,200.00	0.00	0.00	6,782.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,300.00	0.00	0.00	6,882.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,340.56	0.00	0.00	6,923.00	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
Rollins									
7,400.00	0.00	0.00	6,982.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,500.00	0.00	0.00	7,082.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,600.00	0.00	0.00	7,182.44	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00
7,640.56	0.00	0.00	7,223.00	-1,510.11	-1,108.44	1,873.25	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
770.00	770.00	9 5/8"	9-5/8	12-1/4

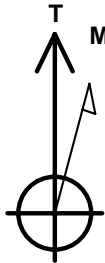
BBC
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42A-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 42A-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 (°)	
3,585.69	3,328.00	Mesaverde		0.00		
4,495.14	4,128.00	Price Coal		0.00		
4,819.37	4,428.00	Top Gas		0.00		
7,340.56	6,923.00	Rollins		0.00		

WELL DETAILS: Kaufman 42A-25-692

Ground Level: 0.00
+N/-S+E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1614935.023 2406238.738 30° 10' 40.73" N 15.9660 W



Azimuths to True North
Magnetic North: 10.42°

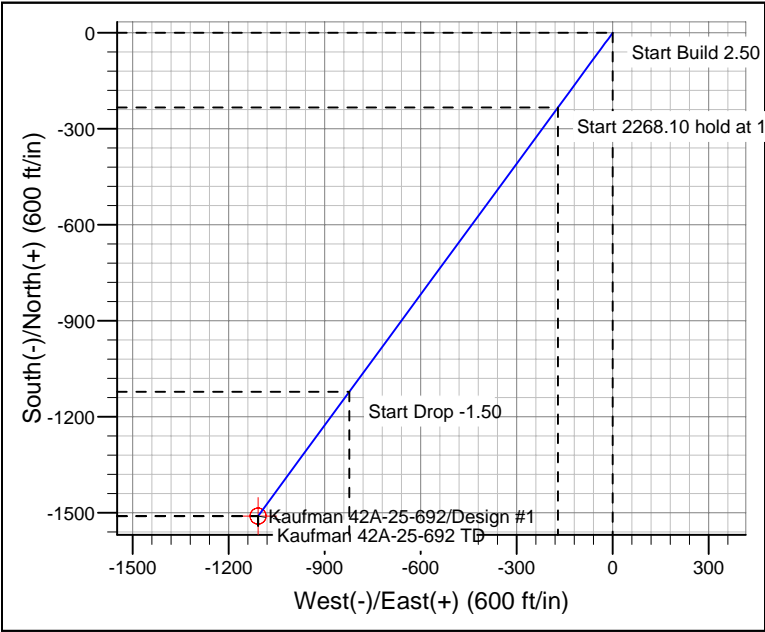
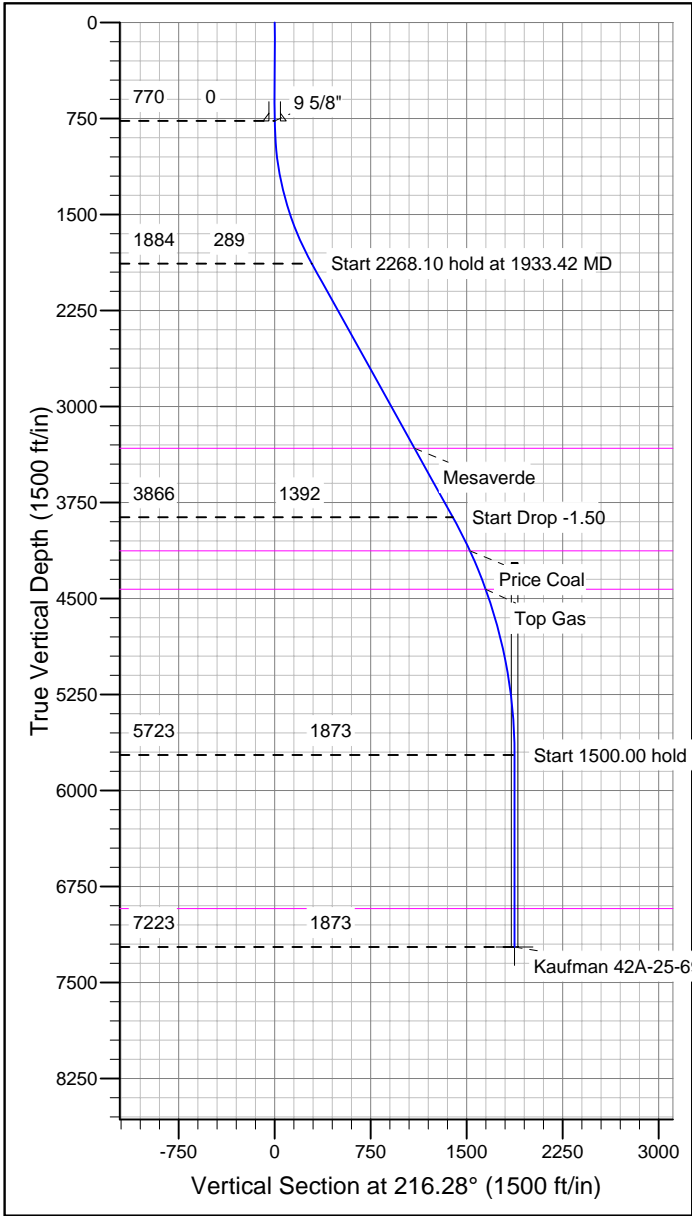
Magnetic Field
Strength: 52432.3snT
Dip Angle: 65.84°
Date: 12/29/2009
Model: BGGM2007

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	770.00	0.00	0.00	770.00	0.00	0.00	0.00	0.00	0.00	
3	1933.42	29.09	216.28	1884.09	-232.98	-171.01	2.50	216.28	289.01	
4	201.52	29.09	216.28	3866.18	1121.80	-823.42	0.00	0.00	391.57	
5	6140.56	0.00	0.00	5723.09	1510.11	1108.44	1.50	180.00	873.25	
6	6140.56	0.00	0.00	7223.09	1510.11	1108.44	0.00	0.00	873.25	Kaufman 42A-25-692 TD

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
Kaufman 42A-25-692 TD 5786.00 1510.11 -1108.44 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
770.00 770.00 9 5/8" 9-5/8

FORMATION TOP DETAILS

TVD Path MD Path Formation
3328.00 3585.69 Mesaverde
4128.00 4495.14 Price Coal
4428.00 4819.37 Top Gas
6923.00 7340.56 Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 42A-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