

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #2

Kaufman 21B-25-692

Wellbore #1

Plan: Design #1

Standard Planning Report

22 September, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 21B-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5863.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5863.00ft (Original Well Elev)
Site:	Kaufman Pad #2	North Reference:	Grid
Well:	Kaufman 21B-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 #2		
Site Position:		Northing:	1,614,867.241 ft
From:	Lat/Long	Easting:	2,402,305.683 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 8.842 N
		Longitude:	107° 37' 6.1104 W
		Grid Convergence:	-1.34 °

Well	Kaufman 21B-25-692		
Well Position	+N/-S	-0.01 ft	Northing:
	+E/-W	0.00 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)
	IGRF200510	12/31/2009	10.35	65.87	52,479

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	31.79

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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
939.75	4.99	31.79	939.50	7.39	4.58	2.50	2.50	0.00	31.79	
4,561.50	4.99	31.79	4,547.50	275.36	170.68	0.00	0.00	0.00	0.00	
4,894.42	0.00	0.00	4,880.00	287.69	178.32	1.50	-1.50	0.00	180.00	
7,394.42	0.00	0.00	7,380.00	287.69	178.32	0.00	0.00	0.00	0.00	Kaufman 21B-25-692

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Site:	Kaufman Pad #2	North Reference:	Grid
Well:	Kaufman 21B-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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.50	31.79	799.99	0.67	0.41	0.79	2.50	2.50	0.00	
900.00	4.00	31.79	899.87	4.75	2.94	5.58	2.50	2.50	0.00	
939.75	4.99	31.79	939.50	7.39	4.58	8.70	2.50	2.50	0.00	
1,000.00	4.99	31.79	999.52	11.85	7.35	13.94	0.00	0.00	0.00	
1,100.00	4.99	31.79	1,099.14	19.25	11.93	22.65	0.00	0.00	0.00	
1,200.00	4.99	31.79	1,198.76	26.65	16.52	31.35	0.00	0.00	0.00	
1,300.00	4.99	31.79	1,298.38	34.05	21.10	40.06	0.00	0.00	0.00	
1,400.00	4.99	31.79	1,398.00	41.45	25.69	48.76	0.00	0.00	0.00	
1,500.00	4.99	31.79	1,497.62	48.85	30.28	57.47	0.00	0.00	0.00	
1,600.00	4.99	31.79	1,597.24	56.25	34.86	66.17	0.00	0.00	0.00	
1,700.00	4.99	31.79	1,696.86	63.64	39.45	74.88	0.00	0.00	0.00	
1,800.00	4.99	31.79	1,796.48	71.04	44.03	83.58	0.00	0.00	0.00	
1,900.00	4.99	31.79	1,896.10	78.44	48.62	92.29	0.00	0.00	0.00	
2,000.00	4.99	31.79	1,995.72	85.84	53.21	100.99	0.00	0.00	0.00	
2,100.00	4.99	31.79	2,095.34	93.24	57.79	109.70	0.00	0.00	0.00	
2,200.00	4.99	31.79	2,194.96	100.64	62.38	118.40	0.00	0.00	0.00	
2,300.00	4.99	31.79	2,294.58	108.04	66.96	127.11	0.00	0.00	0.00	
2,400.00	4.99	31.79	2,394.20	115.44	71.55	135.81	0.00	0.00	0.00	
2,500.00	4.99	31.79	2,493.82	122.84	76.14	144.52	0.00	0.00	0.00	
2,600.00	4.99	31.79	2,593.44	130.23	80.72	153.22	0.00	0.00	0.00	
2,700.00	4.99	31.79	2,693.07	137.63	85.31	161.93	0.00	0.00	0.00	
2,800.00	4.99	31.79	2,792.69	145.03	89.89	170.63	0.00	0.00	0.00	
2,900.00	4.99	31.79	2,892.31	152.43	94.48	179.34	0.00	0.00	0.00	
3,000.00	4.99	31.79	2,991.93	159.83	99.07	188.04	0.00	0.00	0.00	
3,100.00	4.99	31.79	3,091.55	167.23	103.65	196.75	0.00	0.00	0.00	
3,200.00	4.99	31.79	3,191.17	174.63	108.24	205.45	0.00	0.00	0.00	
3,300.00	4.99	31.79	3,290.79	182.03	112.83	214.16	0.00	0.00	0.00	
3,400.00	4.99	31.79	3,390.41	189.43	117.41	222.86	0.00	0.00	0.00	
3,500.00	4.99	31.79	3,490.03	196.82	122.00	231.57	0.00	0.00	0.00	
3,600.00	4.99	31.79	3,589.65	204.22	126.58	240.27	0.00	0.00	0.00	
3,700.00	4.99	31.79	3,689.27	211.62	131.17	248.98	0.00	0.00	0.00	
3,800.00	4.99	31.79	3,788.89	219.02	135.76	257.68	0.00	0.00	0.00	
3,900.00	4.99	31.79	3,888.51	226.42	140.34	266.39	0.00	0.00	0.00	
4,000.00	4.99	31.79	3,988.13	233.82	144.93	275.09	0.00	0.00	0.00	
4,100.00	4.99	31.79	4,087.75	241.22	149.51	283.80	0.00	0.00	0.00	
4,200.00	4.99	31.79	4,187.37	248.62	154.10	292.50	0.00	0.00	0.00	
4,300.00	4.99	31.79	4,286.99	256.02	158.69	301.21	0.00	0.00	0.00	
4,400.00	4.99	31.79	4,386.61	263.41	163.27	309.91	0.00	0.00	0.00	
4,500.00	4.99	31.79	4,486.23	270.81	167.86	318.62	0.00	0.00	0.00	
4,561.50	4.99	31.79	4,547.50	275.36	170.68	323.97	0.00	0.00	0.00	
4,600.00	4.42	31.79	4,585.87	278.05	172.34	327.13	1.50	-1.50	0.00	
4,700.00	2.92	31.79	4,685.66	283.48	175.71	333.52	1.50	-1.50	0.00	
4,800.00	1.42	31.79	4,785.59	286.70	177.70	337.30	1.50	-1.50	0.00	
4,894.42	0.00	0.00	4,880.00	287.69	178.32	338.47	1.50	-1.50	0.00	

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Site:	Kaufman Pad #2	North Reference:	Grid
Well:	Kaufman 21B-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)
4,900.00	0.00	0.00	4,885.58	287.69	178.32	338.47	0.00	0.00	0.00
5,000.00	0.00	0.00	4,985.58	287.69	178.32	338.47	0.00	0.00	0.00
5,100.00	0.00	0.00	5,085.58	287.69	178.32	338.47	0.00	0.00	0.00
5,200.00	0.00	0.00	5,185.58	287.69	178.32	338.47	0.00	0.00	0.00
5,300.00	0.00	0.00	5,285.58	287.69	178.32	338.47	0.00	0.00	0.00
5,400.00	0.00	0.00	5,385.58	287.69	178.32	338.47	0.00	0.00	0.00
5,500.00	0.00	0.00	5,485.58	287.69	178.32	338.47	0.00	0.00	0.00
5,600.00	0.00	0.00	5,585.58	287.69	178.32	338.47	0.00	0.00	0.00
5,700.00	0.00	0.00	5,685.58	287.69	178.32	338.47	0.00	0.00	0.00
5,800.00	0.00	0.00	5,785.58	287.69	178.32	338.47	0.00	0.00	0.00
5,900.00	0.00	0.00	5,885.58	287.69	178.32	338.47	0.00	0.00	0.00
6,000.00	0.00	0.00	5,985.58	287.69	178.32	338.47	0.00	0.00	0.00
6,100.00	0.00	0.00	6,085.58	287.69	178.32	338.47	0.00	0.00	0.00
6,200.00	0.00	0.00	6,185.58	287.69	178.32	338.47	0.00	0.00	0.00
6,300.00	0.00	0.00	6,285.58	287.69	178.32	338.47	0.00	0.00	0.00
6,400.00	0.00	0.00	6,385.58	287.69	178.32	338.47	0.00	0.00	0.00
6,500.00	0.00	0.00	6,485.58	287.69	178.32	338.47	0.00	0.00	0.00
6,600.00	0.00	0.00	6,585.58	287.69	178.32	338.47	0.00	0.00	0.00
6,700.00	0.00	0.00	6,685.58	287.69	178.32	338.47	0.00	0.00	0.00
6,800.00	0.00	0.00	6,785.58	287.69	178.32	338.47	0.00	0.00	0.00
6,900.00	0.00	0.00	6,885.58	287.69	178.32	338.47	0.00	0.00	0.00
7,000.00	0.00	0.00	6,985.58	287.69	178.32	338.47	0.00	0.00	0.00
7,100.00	0.00	0.00	7,085.58	287.69	178.32	338.47	0.00	0.00	0.00
7,200.00	0.00	0.00	7,185.58	287.69	178.32	338.47	0.00	0.00	0.00
7,300.00	0.00	0.00	7,285.58	287.69	178.32	338.47	0.00	0.00	0.00
7,394.42	0.00	0.00	7,380.00	287.69	178.32	338.47	0.00	0.00	0.00

WELL DETAILS: Kaufman 21B-25-692

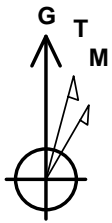
+N/-S	+E/-W	Northing	Ground Level:	5840.00	Longitude	Slot
0.00	0.00	1614867.232	Easting	2402305.683	Latitude	
					39° 30' 8.841 N 107° 37' 6.1104 W	

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	740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	
3	939.75	4.99	31.79	939.50	7.39	4.58	2.50	31.79	8.70	
4	4561.50	4.99	31.79	4547.50	275.36	170.68	0.00	0.00	323.97	
5	4894.42	0.00	0.00	4880.00	287.69	178.32	1.50	180.00	338.47	
6	7394.42	0.00	0.00	7380.00	287.69	178.32	0.00	0.00	338.47	Kaufman 21B-25-692 (TD)

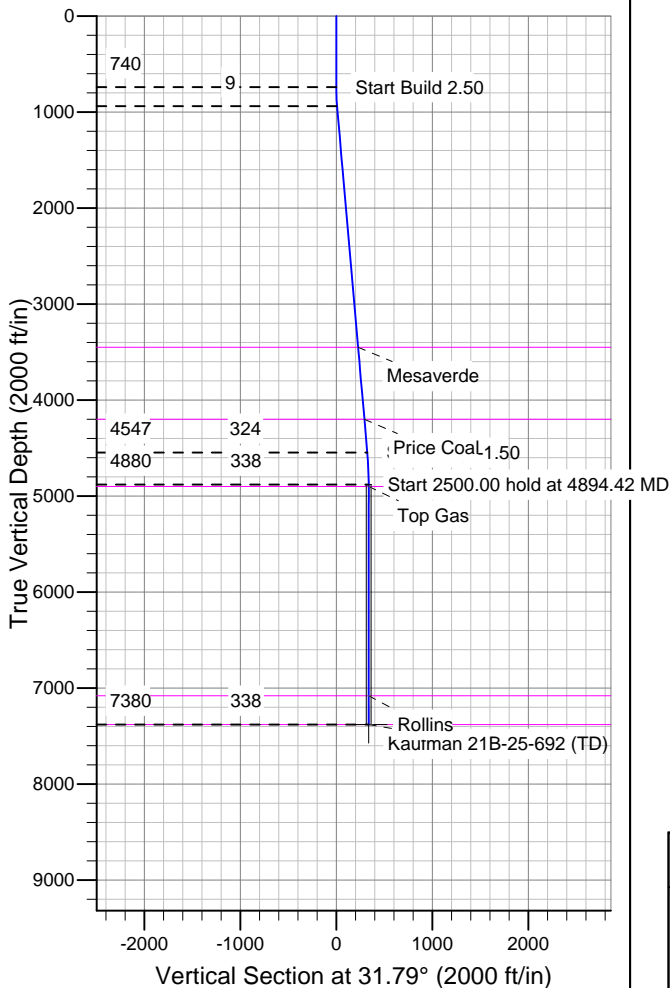
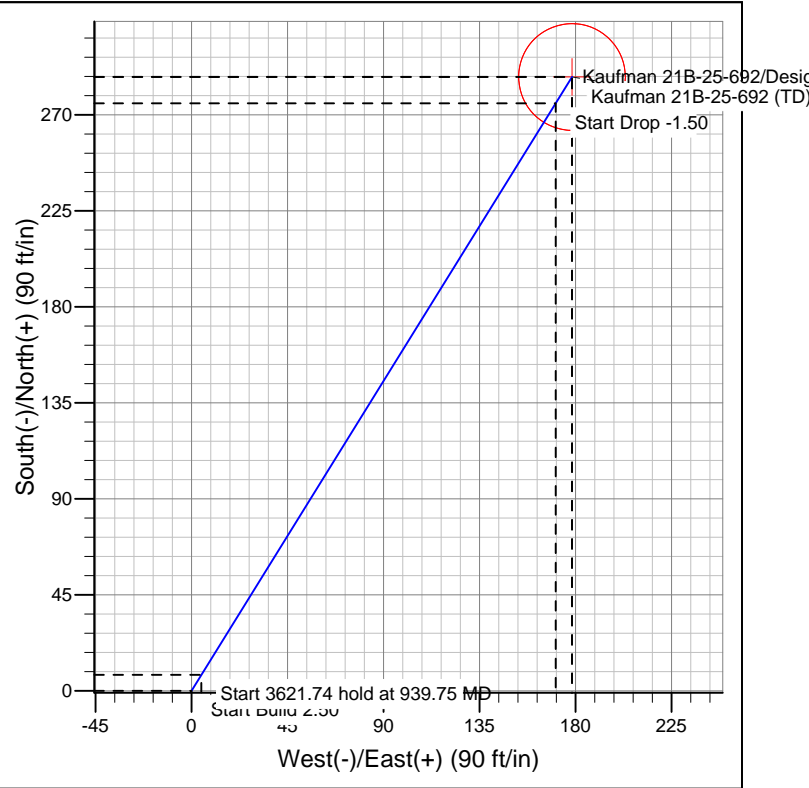
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 21B-25-692 (TD)	7380.00	287.69	178.32	Circle (Radius: 25.00)



Azimuths to Grid North
True North: 1.34°
Magnetic North: 11.68°

Magnetic Field
Strength: 52478.7snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3450.00	3459.82	Mesaverde
4200.00	4212.68	Price Coal
4900.00	4914.42	Top Gas
7080.00	7094.42	Rollins
7380.00	7394.42	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 21B-25-692, Grid North
Vertical (TVD) Reference: WELL @ 5863.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 5863.00ft (Original Well Elev)
Calculation Method: Minimum Curvature