

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #2 NENW-25-692

Kaufman 11A-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 11A-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 NENW-25-692	North Reference:	Grid
Well:	Kaufman 11A-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 NENW-25-692		
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 11A-25-692		
Well Position	+N/-S	-40.58 ft	Northing:
	+E/-W	-25.50 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 8.435 N
			Longitude:
			107° 37' 6.4236 W
			Ground Level:
			5,840.00 ft

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	270.61

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	
1,575.08	20.38	270.61	1,558.01	1.53	-143.41	2.50	2.50	0.00	270.61	
3,689.37	20.38	270.61	3,539.99	9.37	-879.55	0.00	0.00	0.00	0.00	
5,047.84	0.00	0.00	4,870.00	11.91	-1,118.57	1.50	-1.50	0.00	180.00	
7,547.84	0.00	0.00	7,370.00	11.91	-1,118.57	0.00	0.00	0.00	0.00	Kaufman 11A-25-692

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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 NENW-25-692	North Reference:	Grid
Well:	Kaufman 11A-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	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.00	270.61	800.00	0.00	-0.35	0.35	2.50	2.50	0.00	
900.00	3.50	270.61	899.91	0.05	-4.27	4.27	2.50	2.50	0.00	
1,000.00	6.00	270.61	999.56	0.13	-12.55	12.55	2.50	2.50	0.00	
1,100.00	8.50	270.61	1,098.75	0.27	-25.17	25.17	2.50	2.50	0.00	
1,200.00	11.00	270.61	1,197.30	0.45	-42.10	42.11	2.50	2.50	0.00	
1,300.00	13.50	270.61	1,295.02	0.67	-63.32	63.32	2.50	2.50	0.00	
1,400.00	16.00	270.61	1,391.71	0.95	-88.78	88.78	2.50	2.50	0.00	
1,500.00	18.50	270.61	1,487.21	1.26	-118.43	118.43	2.50	2.50	0.00	
1,575.08	20.38	270.61	1,558.01	1.53	-143.41	143.42	2.50	2.50	0.00	
1,600.00	20.38	270.61	1,581.37	1.62	-152.09	152.10	0.00	0.00	0.00	
1,700.00	20.38	270.61	1,675.11	1.99	-186.90	186.91	0.00	0.00	0.00	
1,800.00	20.38	270.61	1,768.85	2.36	-221.72	221.73	0.00	0.00	0.00	
1,900.00	20.38	270.61	1,862.59	2.73	-256.54	256.55	0.00	0.00	0.00	
2,000.00	20.38	270.61	1,956.34	3.10	-291.36	291.37	0.00	0.00	0.00	
2,100.00	20.38	270.61	2,050.08	3.47	-326.17	326.19	0.00	0.00	0.00	
2,200.00	20.38	270.61	2,143.82	3.84	-360.99	361.01	0.00	0.00	0.00	
2,300.00	20.38	270.61	2,237.56	4.22	-395.81	395.83	0.00	0.00	0.00	
2,400.00	20.38	270.61	2,331.30	4.59	-430.63	430.65	0.00	0.00	0.00	
2,500.00	20.38	270.61	2,425.05	4.96	-465.44	465.47	0.00	0.00	0.00	
2,600.00	20.38	270.61	2,518.79	5.33	-500.26	500.29	0.00	0.00	0.00	
2,700.00	20.38	270.61	2,612.53	5.70	-535.08	535.11	0.00	0.00	0.00	
2,800.00	20.38	270.61	2,706.27	6.07	-569.90	569.93	0.00	0.00	0.00	
2,900.00	20.38	270.61	2,800.02	6.44	-604.71	604.75	0.00	0.00	0.00	
3,000.00	20.38	270.61	2,893.76	6.81	-639.53	639.57	0.00	0.00	0.00	
3,100.00	20.38	270.61	2,987.50	7.18	-674.35	674.39	0.00	0.00	0.00	
3,200.00	20.38	270.61	3,081.24	7.55	-709.17	709.21	0.00	0.00	0.00	
3,300.00	20.38	270.61	3,174.98	7.92	-743.98	744.03	0.00	0.00	0.00	
3,400.00	20.38	270.61	3,268.73	8.29	-778.80	778.85	0.00	0.00	0.00	
3,500.00	20.38	270.61	3,362.47	8.66	-813.62	813.67	0.00	0.00	0.00	
3,600.00	20.38	270.61	3,456.21	9.04	-848.44	848.49	0.00	0.00	0.00	
3,689.37	20.38	270.61	3,539.99	9.37	-879.55	879.60	0.00	0.00	0.00	
3,700.00	20.22	270.61	3,549.96	9.41	-883.24	883.29	1.50	-1.50	0.00	
3,800.00	18.72	270.61	3,644.24	9.76	-916.57	916.62	1.50	-1.50	0.00	
3,900.00	17.22	270.61	3,739.36	10.09	-947.41	947.46	1.50	-1.50	0.00	
4,000.00	15.72	270.61	3,835.25	10.39	-975.76	975.81	1.50	-1.50	0.00	
4,100.00	14.22	270.61	3,931.86	10.67	-1,001.58	1,001.64	1.50	-1.50	0.00	
4,200.00	12.72	270.61	4,029.11	10.91	-1,024.87	1,024.93	1.50	-1.50	0.00	
4,300.00	11.22	270.61	4,126.93	11.14	-1,045.60	1,045.66	1.50	-1.50	0.00	
4,400.00	9.72	270.61	4,225.26	11.33	-1,063.77	1,063.83	1.50	-1.50	0.00	
4,500.00	8.22	270.61	4,324.04	11.50	-1,079.35	1,079.42	1.50	-1.50	0.00	
4,600.00	6.72	270.61	4,423.19	11.63	-1,092.35	1,092.41	1.50	-1.50	0.00	
4,700.00	5.22	270.61	4,522.64	11.74	-1,102.75	1,102.81	1.50	-1.50	0.00	
4,800.00	3.72	270.61	4,622.34	11.83	-1,110.53	1,110.60	1.50	-1.50	0.00	
4,900.00	2.22	270.61	4,722.20	11.88	-1,115.71	1,115.77	1.50	-1.50	0.00	

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Well:	Kaufman 11A-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)
5,000.00	0.72	270.61	4,822.16	11.91	-1,118.27	1,118.33	1.50	-1.50	0.00
5,047.84	0.00	0.00	4,870.00	11.91	-1,118.57	1,118.63	1.50	-1.50	0.00
5,100.00	0.00	0.00	4,922.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,200.00	0.00	0.00	5,022.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,300.00	0.00	0.00	5,122.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,400.00	0.00	0.00	5,222.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,500.00	0.00	0.00	5,322.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,600.00	0.00	0.00	5,422.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,700.00	0.00	0.00	5,522.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,800.00	0.00	0.00	5,622.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
5,900.00	0.00	0.00	5,722.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,000.00	0.00	0.00	5,822.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,100.00	0.00	0.00	5,922.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,200.00	0.00	0.00	6,022.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,300.00	0.00	0.00	6,122.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,400.00	0.00	0.00	6,222.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,500.00	0.00	0.00	6,322.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,600.00	0.00	0.00	6,422.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,700.00	0.00	0.00	6,522.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,800.00	0.00	0.00	6,622.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
6,900.00	0.00	0.00	6,722.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,000.00	0.00	0.00	6,822.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,100.00	0.00	0.00	6,922.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,200.00	0.00	0.00	7,022.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,300.00	0.00	0.00	7,122.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,400.00	0.00	0.00	7,222.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,500.00	0.00	0.00	7,322.16	11.91	-1,118.57	1,118.63	0.00	0.00	0.00
7,547.84	0.00	0.00	7,370.00	11.91	-1,118.57	1,118.63	0.00	0.00	0.00

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,572.04	3,430.00	Mesaverde		0.00	
4,384.51	4,210.00	Price Coal		0.00	
5,127.84	4,950.00	Top Gas		0.00	
7,247.84	7,070.00	Rollins		0.00	
7,547.84	7,370.00	TD		0.00	

WELL DETAILS: Kaufman 11A-25-692

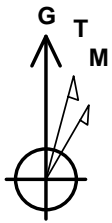
			Ground Level:	5840.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1614826.657	2402280.180	39° 30' 8.435 N	107° 37' 6.4236 W		

SECTION DETAILS

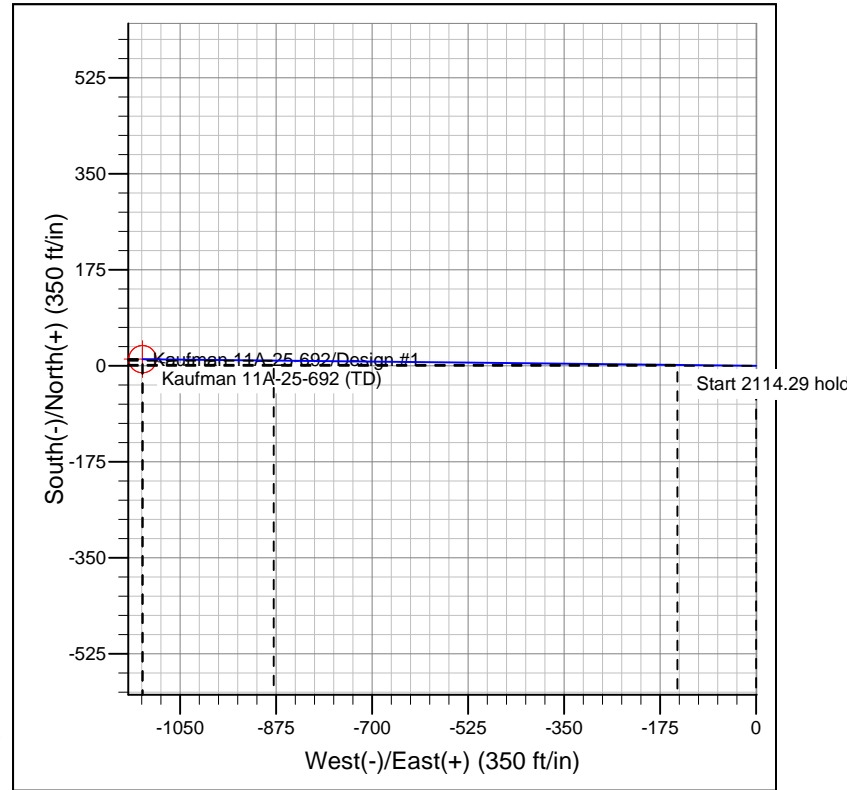
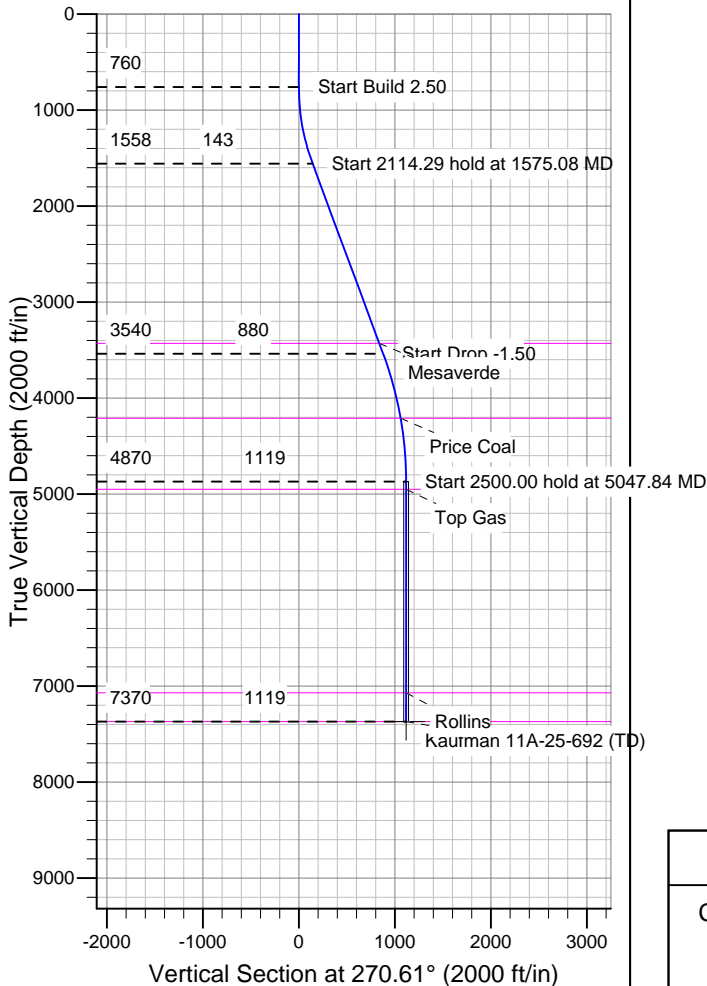
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
3	1575.08	20.38	270.61	1558.01	1.53	-143.41	2.50	270.61	143.42	
4	3689.37	20.38	270.61	3539.99	9.37	-879.55	0.00	0.00	879.60	
5	5047.84	0.00	0.00	4870.00	11.91	-1118.57	1.50	180.00	1118.63	
6	7547.84	0.00	0.00	7370.00	11.91	-1118.57	0.00	0.00	1118.63	Kaufman 11A-25-692 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 11A-25-692 (TD)	7370.00	11.91	-1118.57	Circle (Radius: 25.00)



Azimuths to Grid North
 True North: 1.34°
 Magnetic North: 11.68°
 Magnetic Field
 Strength: 52478.6snT
 Dip Angle: 65.87°
 Date: 12/31/2009
 Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3430.00	3572.04	Mesaverde
4210.00	4384.51	Price Coal
4950.00	5127.84	Top Gas
7070.00	7247.84	Rollins
7370.00	7547.84	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 11A-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