

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #1 NESW-25-692

Kaufman 13B-25-692

Wellbore #1

Plan: Design #1

Standard Planning Report

16 March, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 13B-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5936.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5936.00ft (Original Well Elev)
Site:	Kaufman Pad #1 NESW-25-692	North Reference:	True
Well:	Kaufman 13B-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 #1 NESW-25-692							
Site Position: From: Position Uncertainty:			Lat/Long 0.00 ft			Northing:		1,612,955.301 ft		Latitude:		39° 29' 49.949 N	
						Easting:		2,402,300.892 ft		Longitude:		107° 37' 5.6028 W	
						Slot Radius:		"		Grid Convergence:		-1.34 °	

Well	Kaufman 13B-25-692					
Well Position	+N/-S	-81.60 ft	Northing:	1,612,879.568 ft	Latitude:	39° 29' 49.142 N
	+E/-W	-250.59 ft	Easting:	2,402,048.468 ft	Longitude:	107° 37' 8.7996 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	3/16/2010	10.40	65.83	52,403

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	247.86	

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	
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,457.85	18.20	247.86	1,445.67	-43.20	-106.16	2.50	2.50	0.00	247.86	
3,703.69	18.20	247.86	3,579.21	-307.52	-755.75	0.00	0.00	0.00	0.00	
4,916.77	0.00	0.00	4,772.00	-379.51	-932.68	1.50	-1.50	0.00	180.00	
7,416.77	0.00	0.00	7,272.00	-379.51	-932.68	0.00	0.00	0.00	0.00	Kaufman 13B-25-692

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 13B-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5936.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5936.00ft (Original Well Elev)
Site:	Kaufman Pad #1 NESW-25-692	North Reference:	True
Well:	Kaufman 13B-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
730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.75	247.86	799.99	-0.40	-0.99	1.07	2.50	2.50	0.00
900.00	4.25	247.86	899.84	-2.38	-5.84	6.30	2.50	2.50	0.00
1,000.00	6.75	247.86	999.38	-5.99	-14.71	15.89	2.50	2.50	0.00
1,100.00	9.25	247.86	1,098.39	-11.23	-27.60	29.80	2.50	2.50	0.00
1,200.00	11.75	247.86	1,196.71	-18.10	-44.48	48.02	2.50	2.50	0.00
1,300.00	14.25	247.86	1,294.14	-26.58	-65.32	70.52	2.50	2.50	0.00
1,400.00	16.75	247.86	1,390.50	-36.65	-90.07	97.24	2.50	2.50	0.00
1,457.85	18.20	247.86	1,445.67	-43.20	-106.16	114.61	2.50	2.50	0.00
1,500.00	18.20	247.86	1,485.72	-48.16	-118.35	127.77	0.00	0.00	0.00
1,600.00	18.20	247.86	1,580.72	-59.93	-147.27	159.00	0.00	0.00	0.00
1,700.00	18.20	247.86	1,675.72	-71.70	-176.20	190.22	0.00	0.00	0.00
1,800.00	18.20	247.86	1,770.72	-83.47	-205.12	221.45	0.00	0.00	0.00
1,900.00	18.20	247.86	1,865.72	-95.23	-234.05	252.68	0.00	0.00	0.00
2,000.00	18.20	247.86	1,960.72	-107.00	-262.97	283.91	0.00	0.00	0.00
2,100.00	18.20	247.86	2,055.71	-118.77	-291.89	315.13	0.00	0.00	0.00
2,200.00	18.20	247.86	2,150.71	-130.54	-320.82	346.36	0.00	0.00	0.00
2,300.00	18.20	247.86	2,245.71	-142.31	-349.74	377.59	0.00	0.00	0.00
2,400.00	18.20	247.86	2,340.71	-154.08	-378.67	408.81	0.00	0.00	0.00
2,500.00	18.20	247.86	2,435.71	-165.85	-407.59	440.04	0.00	0.00	0.00
2,600.00	18.20	247.86	2,530.71	-177.62	-436.51	471.27	0.00	0.00	0.00
2,700.00	18.20	247.86	2,625.71	-189.39	-465.44	502.50	0.00	0.00	0.00
2,800.00	18.20	247.86	2,720.71	-201.16	-494.36	533.72	0.00	0.00	0.00
2,900.00	18.20	247.86	2,815.71	-212.93	-523.29	564.95	0.00	0.00	0.00
3,000.00	18.20	247.86	2,910.71	-224.70	-552.21	596.18	0.00	0.00	0.00
3,100.00	18.20	247.86	3,005.71	-236.47	-581.14	627.40	0.00	0.00	0.00
3,200.00	18.20	247.86	3,100.71	-248.24	-610.06	658.63	0.00	0.00	0.00
3,300.00	18.20	247.86	3,195.71	-260.01	-638.98	689.86	0.00	0.00	0.00
3,400.00	18.20	247.86	3,290.71	-271.78	-667.91	721.09	0.00	0.00	0.00
3,500.00	18.20	247.86	3,385.70	-283.55	-696.83	752.31	0.00	0.00	0.00
3,517.15	18.20	247.86	3,402.00	-285.57	-701.79	757.67	0.00	0.00	0.00
Mesaverde									
3,600.00	18.20	247.86	3,480.70	-295.32	-725.76	783.54	0.00	0.00	0.00
3,700.00	18.20	247.86	3,575.70	-307.09	-754.68	814.77	0.00	0.00	0.00
3,703.69	18.20	247.86	3,579.21	-307.52	-755.75	815.92	0.00	0.00	0.00
3,800.00	16.75	247.86	3,671.07	-318.42	-782.53	844.84	1.50	-1.50	0.00
3,900.00	15.25	247.86	3,767.19	-328.81	-808.07	872.40	1.50	-1.50	0.00
4,000.00	13.75	247.86	3,864.01	-338.25	-831.26	897.44	1.50	-1.50	0.00
4,100.00	12.25	247.86	3,961.44	-346.73	-852.10	919.94	1.50	-1.50	0.00
4,200.00	10.75	247.86	4,059.43	-354.24	-870.57	939.88	1.50	-1.50	0.00
4,300.00	9.25	247.86	4,157.91	-360.79	-886.65	957.25	1.50	-1.50	0.00
4,329.46	8.81	247.86	4,187.00	-362.53	-890.94	961.87	1.50	-1.50	0.00
Price Coal									
4,400.00	7.75	247.86	4,256.80	-366.36	-900.35	972.03	1.50	-1.50	0.00

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 13B-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5936.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5936.00ft (Original Well Elev)
Site:	Kaufman Pad #1 NESW-25-692	North Reference:	True
Well:	Kaufman 13B-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	6.25	247.86	4,356.06	-370.95	-911.64	984.22	1.50	-1.50	0.00
4,600.00	4.75	247.86	4,455.59	-374.57	-920.52	993.81	1.50	-1.50	0.00
4,700.00	3.25	247.86	4,555.35	-377.20	-926.98	1,000.78	1.50	-1.50	0.00
4,800.00	1.75	247.86	4,655.25	-378.84	-931.02	1,005.15	1.50	-1.50	0.00
4,900.00	0.25	247.86	4,755.23	-379.50	-932.64	1,006.90	1.50	-1.50	0.00
4,916.77	0.00	0.00	4,772.00	-379.51	-932.68	1,006.93	1.50	-1.50	0.00
4,966.77	0.00	0.00	4,822.00	-379.51	-932.68	1,006.93	0.00	0.00	0.00
Top Gas									
5,000.00	0.00	0.00	4,855.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,100.00	0.00	0.00	4,955.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,200.00	0.00	0.00	5,055.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,300.00	0.00	0.00	5,155.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,400.00	0.00	0.00	5,255.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,500.00	0.00	0.00	5,355.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,600.00	0.00	0.00	5,455.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,700.00	0.00	0.00	5,555.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,800.00	0.00	0.00	5,655.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
5,900.00	0.00	0.00	5,755.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,000.00	0.00	0.00	5,855.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,100.00	0.00	0.00	5,955.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,200.00	0.00	0.00	6,055.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,300.00	0.00	0.00	6,155.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,400.00	0.00	0.00	6,255.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,500.00	0.00	0.00	6,355.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,600.00	0.00	0.00	6,455.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,700.00	0.00	0.00	6,555.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,800.00	0.00	0.00	6,655.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
6,900.00	0.00	0.00	6,755.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,000.00	0.00	0.00	6,855.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,100.00	0.00	0.00	6,955.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,116.77	0.00	0.00	6,972.00	-379.51	-932.68	1,006.93	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	7,055.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,300.00	0.00	0.00	7,155.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,400.00	0.00	0.00	7,255.23	-379.51	-932.68	1,006.93	0.00	0.00	0.00
7,416.77	0.00	0.00	7,272.00	-379.51	-932.68	1,006.93	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
730.00	730.00	9 5/8"	9-5/8	12-1/4

BBC

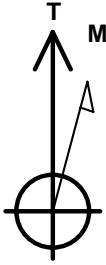
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 13B-25-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 5936.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 5936.00ft (Original Well Elev)
Site:	Kaufman Pad #1 NESW-25-692	North Reference:	True
Well:	Kaufman 13B-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 (°)	
3,517.15	3,402.00	Mesaverde		0.00		
4,329.46	4,187.00	Price Coal		0.00		
4,966.77	4,822.00	Top Gas		0.00		
7,116.77	6,972.00	Rollins		0.00		
7,416.77	7,272.00	TD		0.00		

WELL DETAILS: Kaufman 13B-25-692

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612879.568 2402048.488 29° 49.142' N 107° 8.7996 W



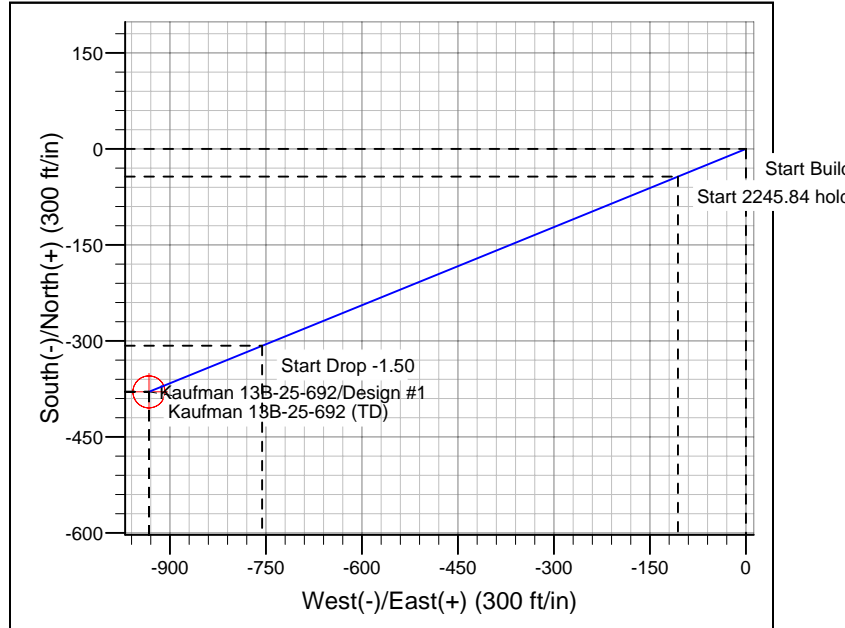
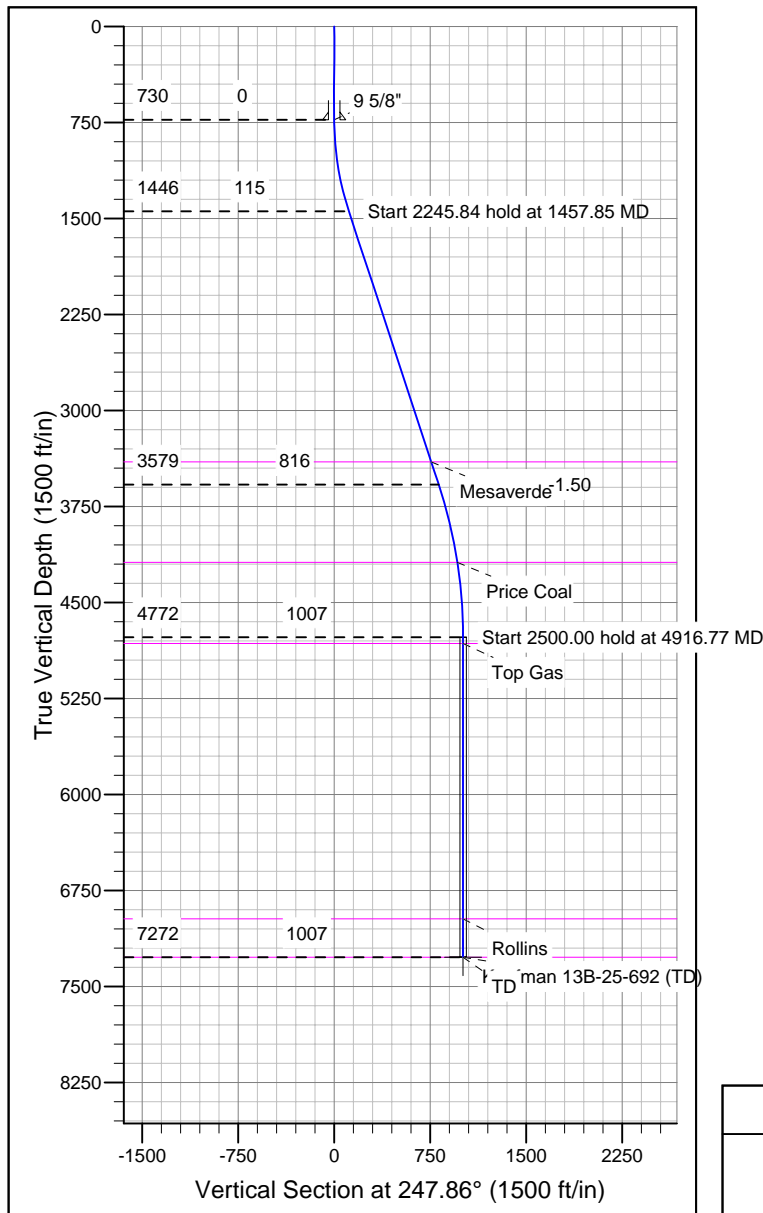
Azimuths to True North
 Magnetic North: 10.40°
 Magnetic Field
 Strength: 52402.5nT
 Dip Angle: 65.83°
 Date: 3/16/2010
 Model: BGGM2007

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	
	730.00	0.00	0.00	730.00	0.00	0.00	0.00	0.00	0.00	
	1457.85	18.20	247.86	1445.67	-43.20	-106.16	2.50	247.86	114.61	
	3703.69	18.20	247.86	3579.21	-307.52	-755.75	0.00	0.00	815.92	
	4916.77	0.00	0.00	4772.00	-379.51	-932.68	1.50	180.00	1006.93	
	7272.00	0.00	0.00	7272.00	-379.51	-932.68	0.00	0.00	1006.93	Kaufman 13B-25-692 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 Kaufman 13B-25-692 (TD) 4916.77 -379.51 -932.68 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 730.00 730.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVDPATH MD PATH FORMATION
 3402.00 3517.15 Mesaverde
 4187.00 4329.46 Price Coal
 4822.00 4966.77 Top Gas
 6972.00 7116.77 Rollins
 7272.00 7416.77 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 13B-25-692, True North
 Vertical (TVD) Reference: WELL @ 5936.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 5936.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature