

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #4 NWNW-30-691

Kaufman 42D-25-692

Wellbore #1

Plan: Design #1

Standard Planning Report

31 December, 2009

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42D-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 42D-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 42D-25-692					
Well Position	+N-S	58.27 ft	Northing:	1,614,979.184 ft	Latitude:	39° 30' 10.847 N
	+E-W	-26.81 ft	Easting:	2,406,219.701 ft	Longitude:	107° 36' 16.2216 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	243.39

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	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,415.10	16.63	243.39	1,405.80	-42.93	-85.68	2.50	2.50	0.00	243.39	
4,826.96	16.63	243.39	4,675.00	-480.25	-958.55	0.00	0.00	0.00	0.00	
5,935.45	0.00	0.00	5,768.00	-551.79	-1,101.34	1.50	-1.50	0.00	180.00	
7,435.45	0.00	0.00	7,268.00	-551.79	-1,101.34	0.00	0.00	0.00	0.00	Kaufman 42D-25-692

BBC
Planning Report

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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 42D-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
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.25	243.39	800.00	-0.24	-0.49	0.55	2.50	2.50	0.00
900.00	3.75	243.39	899.89	-2.20	-4.39	4.91	2.50	2.50	0.00
1,000.00	6.25	243.39	999.50	-6.10	-12.18	13.62	2.50	2.50	0.00
1,100.00	8.75	243.39	1,098.64	-11.95	-23.85	26.67	2.50	2.50	0.00
1,200.00	11.25	243.39	1,197.11	-19.73	-39.37	44.04	2.50	2.50	0.00
1,300.00	13.75	243.39	1,294.74	-29.42	-58.72	65.68	2.50	2.50	0.00
1,400.00	16.25	243.39	1,391.32	-41.01	-81.86	91.56	2.50	2.50	0.00
1,415.10	16.63	243.39	1,405.80	-42.93	-85.68	95.83	2.50	2.50	0.00
1,500.00	16.63	243.39	1,487.15	-53.81	-107.40	120.13	0.00	0.00	0.00
1,600.00	16.63	243.39	1,582.97	-66.63	-132.98	148.74	0.00	0.00	0.00
1,700.00	16.63	243.39	1,678.79	-79.44	-158.57	177.36	0.00	0.00	0.00
1,800.00	16.63	243.39	1,774.61	-92.26	-184.15	205.97	0.00	0.00	0.00
1,900.00	16.63	243.39	1,870.43	-105.08	-209.73	234.58	0.00	0.00	0.00
2,000.00	16.63	243.39	1,966.25	-117.90	-235.32	263.20	0.00	0.00	0.00
2,100.00	16.63	243.39	2,062.07	-130.72	-260.90	291.81	0.00	0.00	0.00
2,200.00	16.63	243.39	2,157.88	-143.53	-286.48	320.43	0.00	0.00	0.00
2,300.00	16.63	243.39	2,253.70	-156.35	-312.07	349.04	0.00	0.00	0.00
2,400.00	16.63	243.39	2,349.52	-169.17	-337.65	377.66	0.00	0.00	0.00
2,500.00	16.63	243.39	2,445.34	-181.99	-363.23	406.27	0.00	0.00	0.00
2,600.00	16.63	243.39	2,541.16	-194.80	-388.82	434.89	0.00	0.00	0.00
2,700.00	16.63	243.39	2,636.98	-207.62	-414.40	463.50	0.00	0.00	0.00
2,800.00	16.63	243.39	2,732.80	-220.44	-439.98	492.12	0.00	0.00	0.00
2,900.00	16.63	243.39	2,828.61	-233.26	-465.57	520.73	0.00	0.00	0.00
3,000.00	16.63	243.39	2,924.43	-246.07	-491.15	549.35	0.00	0.00	0.00
3,100.00	16.63	243.39	3,020.25	-258.89	-516.73	577.96	0.00	0.00	0.00
3,200.00	16.63	243.39	3,116.07	-271.71	-542.32	606.57	0.00	0.00	0.00
3,300.00	16.63	243.39	3,211.89	-284.53	-567.90	635.19	0.00	0.00	0.00
3,400.00	16.63	243.39	3,307.71	-297.35	-593.48	663.80	0.00	0.00	0.00
3,452.49	16.63	243.39	3,358.00	-304.07	-606.91	678.82	0.00	0.00	0.00
Mesaverde									
3,500.00	16.63	243.39	3,403.53	-310.16	-619.07	692.42	0.00	0.00	0.00
3,600.00	16.63	243.39	3,499.34	-322.98	-644.65	721.03	0.00	0.00	0.00
3,700.00	16.63	243.39	3,595.16	-335.80	-670.23	749.65	0.00	0.00	0.00
3,800.00	16.63	243.39	3,690.98	-348.62	-695.82	778.26	0.00	0.00	0.00
3,900.00	16.63	243.39	3,786.80	-361.43	-721.40	806.88	0.00	0.00	0.00
4,000.00	16.63	243.39	3,882.62	-374.25	-746.98	835.49	0.00	0.00	0.00
4,100.00	16.63	243.39	3,978.44	-387.07	-772.57	864.11	0.00	0.00	0.00
4,200.00	16.63	243.39	4,074.26	-399.89	-798.15	892.72	0.00	0.00	0.00
4,287.40	16.63	243.39	4,158.00	-411.09	-820.51	917.73	0.00	0.00	0.00
Price Coal									
4,300.00	16.63	243.39	4,170.07	-412.70	-823.73	921.34	0.00	0.00	0.00
4,400.00	16.63	243.39	4,265.89	-425.52	-849.32	949.95	0.00	0.00	0.00
4,500.00	16.63	243.39	4,361.71	-438.34	-874.90	978.57	0.00	0.00	0.00

BBC

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Well:	Kaufman 42D-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)
4,600.00	16.63	243.39	4,457.53	-451.16	-900.48	1,007.18	0.00	0.00	0.00
4,631.80	16.63	243.39	4,488.00	-455.23	-908.62	1,016.28	0.00	0.00	0.00
Top Gas									
4,700.00	16.63	243.39	4,553.35	-463.98	-926.07	1,035.79	0.00	0.00	0.00
4,800.00	16.63	243.39	4,649.17	-476.79	-951.65	1,064.41	0.00	0.00	0.00
4,826.96	16.63	243.39	4,675.00	-480.25	-958.55	1,072.12	0.00	0.00	0.00
4,900.00	15.53	243.39	4,745.18	-489.31	-976.63	1,092.35	1.50	-1.50	0.00
5,000.00	14.03	243.39	4,841.87	-500.74	-999.44	1,117.87	1.50	-1.50	0.00
5,100.00	12.53	243.39	4,939.19	-511.03	-1,019.98	1,140.84	1.50	-1.50	0.00
5,200.00	11.03	243.39	5,037.08	-520.18	-1,038.24	1,161.26	1.50	-1.50	0.00
5,300.00	9.53	243.39	5,135.47	-528.17	-1,054.20	1,179.11	1.50	-1.50	0.00
5,400.00	8.03	243.39	5,234.30	-535.01	-1,067.85	1,194.37	1.50	-1.50	0.00
5,500.00	6.53	243.39	5,333.49	-540.69	-1,079.18	1,207.05	1.50	-1.50	0.00
5,600.00	5.03	243.39	5,432.98	-545.20	-1,088.18	1,217.12	1.50	-1.50	0.00
5,700.00	3.53	243.39	5,532.69	-548.54	-1,094.86	1,224.59	1.50	-1.50	0.00
5,800.00	2.03	243.39	5,632.57	-550.72	-1,099.20	1,229.44	1.50	-1.50	0.00
5,900.00	0.53	243.39	5,732.55	-551.72	-1,101.20	1,231.68	1.50	-1.50	0.00
5,935.45	0.00	0.00	5,768.00	-551.79	-1,101.34	1,231.84	1.50	-1.50	0.00
6,000.00	0.00	0.00	5,832.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,100.00	0.00	0.00	5,932.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,200.00	0.00	0.00	6,032.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,300.00	0.00	0.00	6,132.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,400.00	0.00	0.00	6,232.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,500.00	0.00	0.00	6,332.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,600.00	0.00	0.00	6,432.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,700.00	0.00	0.00	6,532.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,800.00	0.00	0.00	6,632.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
6,900.00	0.00	0.00	6,732.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,000.00	0.00	0.00	6,832.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,100.00	0.00	0.00	6,932.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,135.45	0.00	0.00	6,968.00	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	7,032.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,300.00	0.00	0.00	7,132.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,400.00	0.00	0.00	7,232.55	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00
7,435.45	0.00	0.00	7,268.00	-551.79	-1,101.34	1,231.84	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
750.00	750.00	9 5/8"	9-5/8	12-1/4

BBC

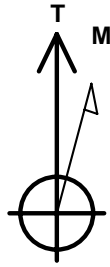
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 42D-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 42D-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 (°)	
3,452.49	3,358.00	Mesaverde		0.00		
4,287.40	4,158.00	Price Coal		0.00		
4,631.80	4,488.00	Top Gas		0.00		
7,135.45	6,968.00	Rollins		0.00		

WELL DETAILS: Kaufman 42D-25-692

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1614979.184 2406219.397 30° 10.847' N 106° 16.2216 W



Azimuths to True North
 Magnetic North: 10.42°

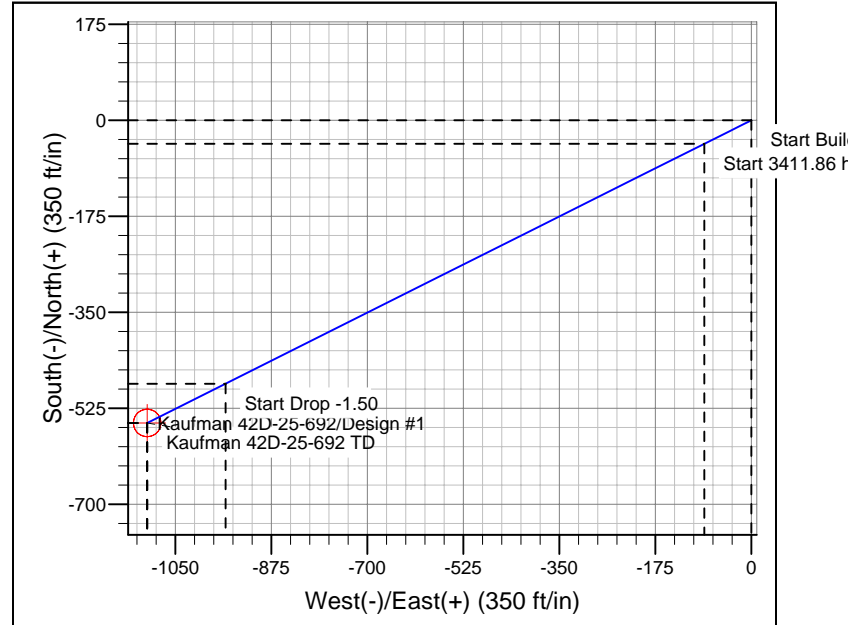
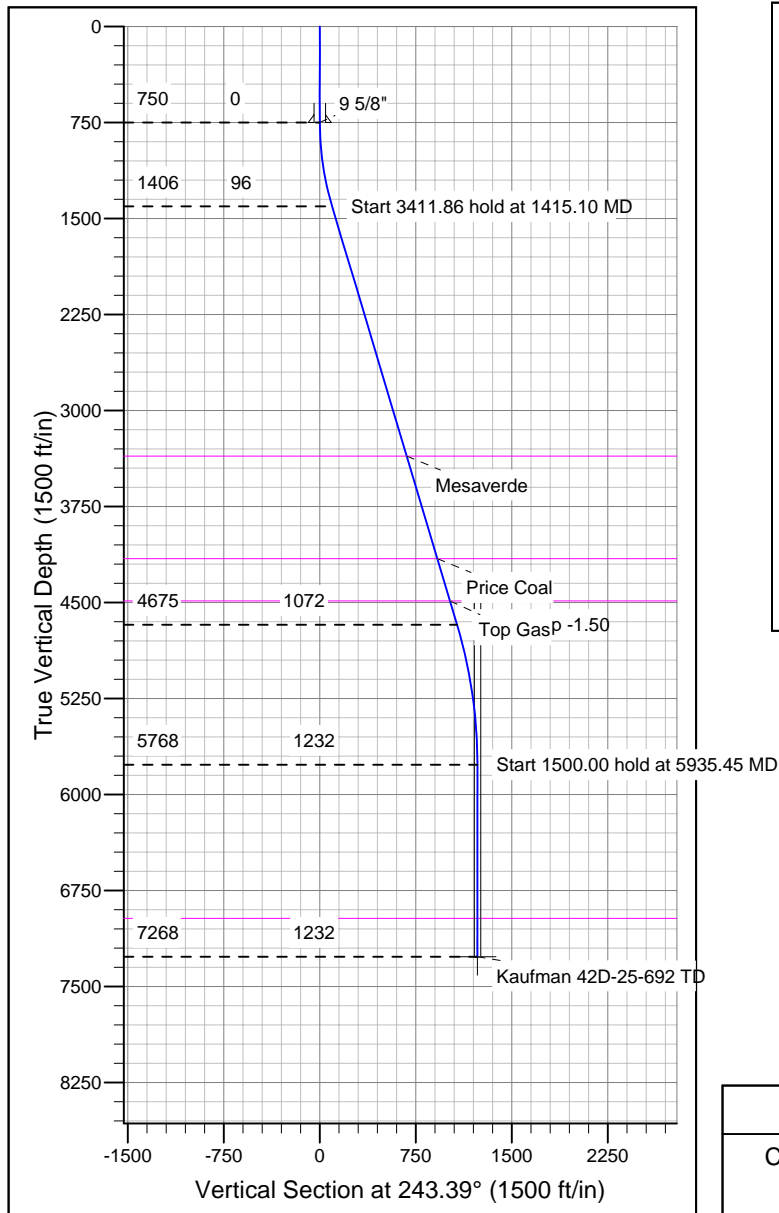
Magnetic Field
 Strength: 52432.4snT
 Dip Angle: 65.84°
 Date: 12/29/2009
 Model: BGGM2007

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	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	
3	1415.10	16.63	243.39	1405.80	-42.93	-85.68	2.50	243.39	95.83	
4	2696.96	16.63	243.39	4675.00	-480.25	-958.55	0.00	0.00	072.12	
5	5935.45	0.00	0.00	5768.00	-551.79	1101.34	1.50	180.00	231.84	
6	6968.00	0.00	0.00	7268.00	-551.79	1101.34	0.00	0.00	231.84	Kaufman 42D-25-692 TD

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 42D-25-692-551	750.00	-551.79	-1101.34	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
750.00	750.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVD	MD	Formation
3358.00	3452.49	Mesaverde
4158.00	4287.40	Price Coal
4488.00	4631.80	Top Gas
6968.00	7135.45	Rollins

REFERENCE INFORMATION

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