

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Miller Pad #9

Miller 44B-36-692

Wellbore #1

Plan: Design #1

Standard Planning Report

16 May, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Miller 44B-36-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6091.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6091.00ft (Original Well Elev)
Site:	Miller Pad #9	North Reference:	True
Well:	Miller 44B-36-692	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	Miller Pad #9		
Site Position:		Northing:	1,604,898.699 ft
From:	Lat/Long	Easting:	2,405,969.198 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 28' 31.184 N
		Longitude:	107° 36' 16.4376 W
		Grid Convergence:	-1.33 °

Well	Miller 44B-36-692		
Well Position	+N/-S	-8.02 ft	Northing:
	+E/-W	-0.85 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 31.105 N
			Longitude:
			107° 36' 16.4484 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.34	65.85	52,464

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	317.01

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	
725.00	0.00	0.00	725.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,985.98	31.52	317.01	1,923.31	247.40	-230.64	2.50	2.50	0.00	317.01	
3,151.49	31.52	317.01	2,916.82	693.15	-646.18	0.00	0.00	0.00	0.00	
5,253.12	0.00	0.00	4,914.00	1,105.49	-1,030.57	1.50	-1.50	0.00	180.00	
7,253.12	0.00	0.00	6,914.00	1,105.49	-1,030.57	0.00	0.00	0.00	0.00	Miller 44B-36-692 (

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6091.00ft (Original Well Elev)
Site:	Miller Pad #9	North Reference:	True
Well:	Miller 44B-36-692	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	
725.00	0.00	0.00	725.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.87	317.01	799.99	0.90	-0.84	1.23	2.50	2.50	0.00	
900.00	4.37	317.01	899.83	4.88	-4.55	6.68	2.50	2.50	0.00	
1,000.00	6.87	317.01	999.34	12.05	-11.24	16.48	2.50	2.50	0.00	
1,100.00	9.37	317.01	1,098.33	22.39	-20.87	30.61	2.50	2.50	0.00	
1,200.00	11.87	317.01	1,196.61	35.88	-33.44	49.05	2.50	2.50	0.00	
1,300.00	14.37	317.01	1,293.99	52.48	-48.93	71.75	2.50	2.50	0.00	
1,400.00	16.87	317.01	1,390.28	72.18	-67.29	98.69	2.50	2.50	0.00	
1,500.00	19.37	317.01	1,485.31	94.94	-88.50	129.79	2.50	2.50	0.00	
1,600.00	21.87	317.01	1,578.90	120.70	-112.52	165.01	2.50	2.50	0.00	
1,700.00	24.37	317.01	1,670.85	149.43	-139.30	204.28	2.50	2.50	0.00	
1,800.00	26.87	317.01	1,761.01	181.06	-168.79	247.53	2.50	2.50	0.00	
1,900.00	29.37	317.01	1,849.20	215.53	-200.93	294.66	2.50	2.50	0.00	
1,985.98	31.52	317.01	1,923.31	247.40	-230.64	338.23	2.50	2.50	0.00	
2,000.00	31.52	317.01	1,935.27	252.77	-235.64	345.57	0.00	0.00	0.00	
2,100.00	31.52	317.01	2,020.51	291.01	-271.29	397.85	0.00	0.00	0.00	
2,200.00	31.52	317.01	2,105.75	329.26	-306.94	450.14	0.00	0.00	0.00	
2,300.00	31.52	317.01	2,190.99	367.50	-342.60	502.42	0.00	0.00	0.00	
2,400.00	31.52	317.01	2,276.23	405.75	-378.25	554.71	0.00	0.00	0.00	
2,500.00	31.52	317.01	2,361.47	443.99	-413.90	607.00	0.00	0.00	0.00	
2,600.00	31.52	317.01	2,446.72	482.24	-449.56	659.28	0.00	0.00	0.00	
2,700.00	31.52	317.01	2,531.96	520.48	-485.21	711.57	0.00	0.00	0.00	
2,800.00	31.52	317.01	2,617.20	558.73	-520.86	763.85	0.00	0.00	0.00	
2,900.00	31.52	317.01	2,702.44	596.97	-556.52	816.14	0.00	0.00	0.00	
3,000.00	31.52	317.01	2,787.68	635.22	-592.17	868.43	0.00	0.00	0.00	
3,100.00	31.52	317.01	2,872.93	673.46	-627.82	920.71	0.00	0.00	0.00	
3,151.49	31.52	317.01	2,916.82	693.15	-646.18	947.63	0.00	0.00	0.00	
3,200.00	30.80	317.01	2,958.33	711.51	-663.30	972.74	1.50	-1.50	0.00	
3,300.00	29.30	317.01	3,044.89	748.14	-697.44	1,022.80	1.50	-1.50	0.00	
3,400.00	27.80	317.01	3,132.73	783.09	-730.02	1,070.59	1.50	-1.50	0.00	
3,500.00	26.30	317.01	3,221.79	816.35	-761.03	1,116.06	1.50	-1.50	0.00	
3,600.00	24.80	317.01	3,312.01	847.89	-790.43	1,159.18	1.50	-1.50	0.00	
3,700.00	23.30	317.01	3,403.33	877.70	-818.22	1,199.93	1.50	-1.50	0.00	
3,800.00	21.80	317.01	3,495.68	905.74	-844.36	1,238.27	1.50	-1.50	0.00	
3,900.00	20.30	317.01	3,589.01	932.01	-868.85	1,274.19	1.50	-1.50	0.00	
4,000.00	18.80	317.01	3,683.24	956.48	-891.66	1,307.64	1.50	-1.50	0.00	
4,100.00	17.30	317.01	3,778.32	979.14	-912.79	1,338.62	1.50	-1.50	0.00	
4,200.00	15.80	317.01	3,874.18	999.98	-932.21	1,367.10	1.50	-1.50	0.00	
4,300.00	14.30	317.01	3,970.74	1,018.96	-949.91	1,393.06	1.50	-1.50	0.00	
4,400.00	12.80	317.01	4,067.96	1,036.10	-965.88	1,416.48	1.50	-1.50	0.00	
4,500.00	11.30	317.01	4,165.75	1,051.36	-980.11	1,437.35	1.50	-1.50	0.00	
4,600.00	9.80	317.01	4,264.06	1,064.75	-992.59	1,455.66	1.50	-1.50	0.00	
4,700.00	8.30	317.01	4,362.82	1,076.25	-1,003.31	1,471.38	1.50	-1.50	0.00	
4,800.00	6.80	317.01	4,461.95	1,085.86	-1,012.27	1,484.51	1.50	-1.50	0.00	
4,900.00	5.30	317.01	4,561.39	1,093.56	-1,019.45	1,495.05	1.50	-1.50	0.00	

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Site:	Miller Pad #9	North Reference:	True
Well:	Miller 44B-36-692	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	3.80	317.01	4,661.07	1,099.36	-1,024.86	1,502.97	1.50	-1.50	0.00
5,100.00	2.30	317.01	4,760.93	1,103.25	-1,028.48	1,508.29	1.50	-1.50	0.00
5,200.00	0.80	317.01	4,860.89	1,105.22	-1,030.32	1,510.99	1.50	-1.50	0.00
5,253.12	0.00	0.00	4,914.00	1,105.49	-1,030.57	1,511.36	1.50	-1.50	0.00
5,300.00	0.00	0.00	4,960.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,400.00	0.00	0.00	5,060.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,500.00	0.00	0.00	5,160.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,600.00	0.00	0.00	5,260.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,700.00	0.00	0.00	5,360.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,800.00	0.00	0.00	5,460.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
5,900.00	0.00	0.00	5,560.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,000.00	0.00	0.00	5,660.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,100.00	0.00	0.00	5,760.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,200.00	0.00	0.00	5,860.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,300.00	0.00	0.00	5,960.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,400.00	0.00	0.00	6,060.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,500.00	0.00	0.00	6,160.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,600.00	0.00	0.00	6,260.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,700.00	0.00	0.00	6,360.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,800.00	0.00	0.00	6,460.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
6,900.00	0.00	0.00	6,560.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
7,000.00	0.00	0.00	6,660.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
7,100.00	0.00	0.00	6,760.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
7,200.00	0.00	0.00	6,860.88	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00
7,253.12	0.00	0.00	6,914.00	1,105.49	-1,030.57	1,511.36	0.00	0.00	0.00

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
725.00	725.00	9 5/8"	9-5/8	12-1/4

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,171.62	2,934.00	Mesaverde		0.00	
4,032.44	3,714.00	Price Coal		0.00	
4,549.14	4,214.00	Top Gas		0.00	
6,953.12	6,614.00	Rollins		0.00	
7,253.12	6,914.00	TD		0.00	

WELL DETAILS: Miller 44B-36-692							
Ground Level: 0.00							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1604890.698	2405968.165	39° 28' 31.105 N	107° 36' 16.4484 W		



Azimuths to True North

Magnetic North 10.34°

MD Inc Azi TVD

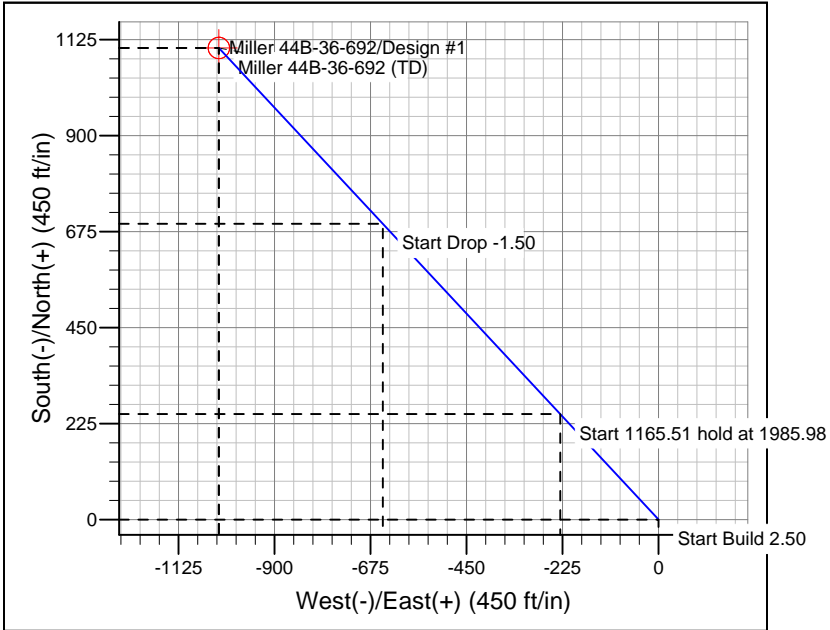
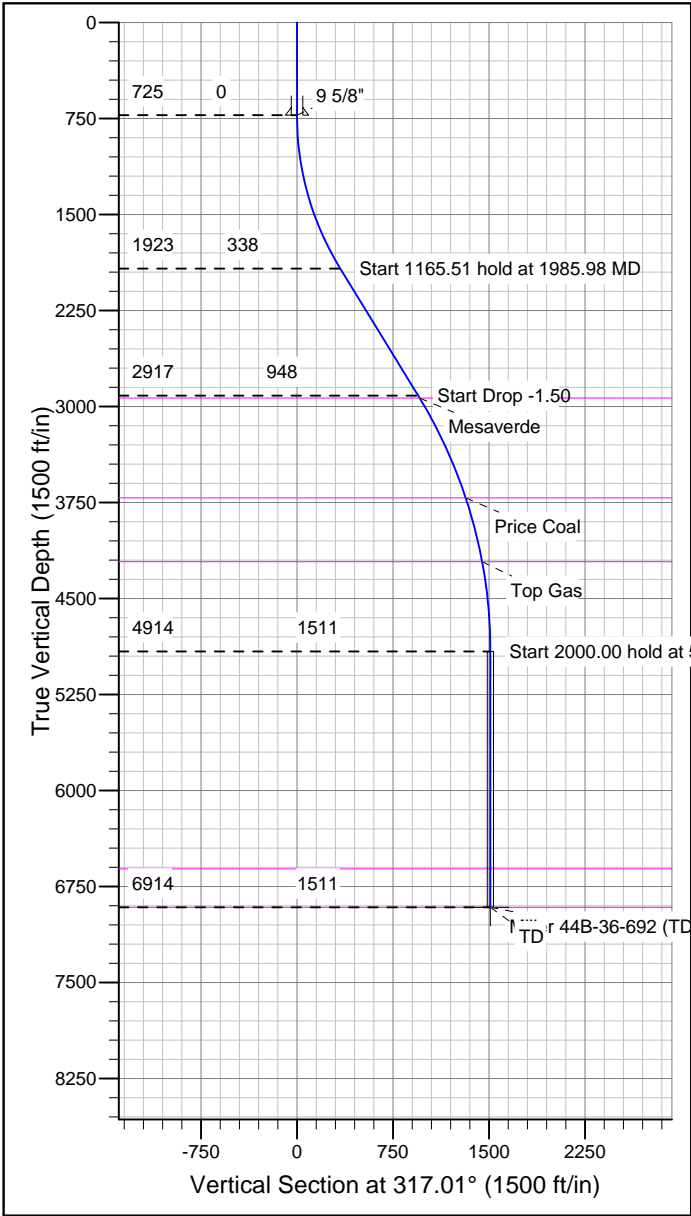
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	725.00
3	1985.98	31.52	317.01	1923.31
4	1985.98	31.52	317.01	2916.82
5	2005.12	0.00	0.00	4914.00
6	2005.12	0.00	0.00	6914.00

+N/-S +E/-W DLeg TFace VSec Target

0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	
247.40	-230.64	2.50	317.01	338.23	
693.15	-646.18	0.00	0.00	947.63	
1105.49	-1030.57	1.50	180.00	1511.36	
1105.49	-1030.57	0.00	0.00	1511.36	Miller 44B-36-692 (TD)

Strength: 52463.930E
Dip Angle: 65.85%
Date: 12/31/2003
Model: IGRF200510

WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
Miller 44B-36-692 (TD)	6914.00	1105.49	-1030.57	Circle (Radius: 25.00)



CASING DETAILS			
TVD	MD	Name	Size
725.00	725.00	9 5/8"	9-5/8

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2934.00	3171.62	Mesaverde
3714.00	4032.44	Price Coal
4214.00	4549.14	Top Gas
6614.00	6953.12	Rollins
6914.00	7253.12	TD

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Miller 44B-36-692, True North
Vertical (TVD) Reference:	WELL @ 6091.00ft (Original Well Elev)
Section (VS) Reference:	Slot - (0.00N, 0.00E)
Measured Depth Reference:	WELL @ 6091.00ft (Original Well Elev)
Calculation Method:	Minimum Curvature