

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Miller Pad #9

Miller 44C-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 44C-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 44C-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 44C-36-692		
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	10.34	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	323.85

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	
735.00	0.00	0.00	735.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,898.67	29.09	323.85	1,849.31	233.46	-170.56	2.50	2.50	0.00	323.85	
3,909.91	29.09	323.85	3,606.82	1,023.07	-747.42	0.00	0.00	0.00	0.00	
5,849.36	0.00	0.00	5,464.00	1,412.18	-1,031.69	1.50	-1.50	0.00	180.00	
7,349.36	0.00	0.00	6,964.00	1,412.18	-1,031.69	0.00	0.00	0.00	0.00	Miller 44C-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 44C-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	
735.00	0.00	0.00	735.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	1.62	323.85	799.99	0.74	-0.54	0.92	2.50	2.50	0.00	
900.00	4.12	323.85	899.86	4.79	-3.50	5.94	2.50	2.50	0.00	
1,000.00	6.62	323.85	999.41	12.36	-9.03	15.30	2.50	2.50	0.00	
1,100.00	9.12	323.85	1,098.46	23.42	-17.11	29.00	2.50	2.50	0.00	
1,200.00	11.62	323.85	1,196.82	37.96	-27.73	47.01	2.50	2.50	0.00	
1,300.00	14.12	323.85	1,294.29	55.95	-40.88	69.29	2.50	2.50	0.00	
1,400.00	16.62	323.85	1,390.71	77.36	-56.52	95.80	2.50	2.50	0.00	
1,500.00	19.12	323.85	1,485.87	102.14	-74.62	126.49	2.50	2.50	0.00	
1,600.00	21.62	323.85	1,579.61	130.25	-95.16	161.31	2.50	2.50	0.00	
1,700.00	24.12	323.85	1,671.74	161.64	-118.09	200.18	2.50	2.50	0.00	
1,800.00	26.62	323.85	1,762.08	196.24	-143.36	243.03	2.50	2.50	0.00	
1,898.67	29.09	323.85	1,849.31	233.46	-170.56	289.13	2.50	2.50	0.00	
1,900.00	29.09	323.85	1,850.47	233.99	-170.94	289.78	0.00	0.00	0.00	
2,000.00	29.09	323.85	1,937.86	273.25	-199.62	338.40	0.00	0.00	0.00	
2,100.00	29.09	323.85	2,025.24	312.51	-228.31	387.02	0.00	0.00	0.00	
2,200.00	29.09	323.85	2,112.63	351.77	-256.99	435.64	0.00	0.00	0.00	
2,300.00	29.09	323.85	2,200.01	391.03	-285.67	484.26	0.00	0.00	0.00	
2,400.00	29.09	323.85	2,287.39	430.29	-314.35	532.88	0.00	0.00	0.00	
2,500.00	29.09	323.85	2,374.78	469.55	-343.03	581.50	0.00	0.00	0.00	
2,600.00	29.09	323.85	2,462.16	508.81	-371.72	630.12	0.00	0.00	0.00	
2,700.00	29.09	323.85	2,549.55	548.07	-400.40	678.74	0.00	0.00	0.00	
2,800.00	29.09	323.85	2,636.93	587.33	-429.08	727.37	0.00	0.00	0.00	
2,900.00	29.09	323.85	2,724.32	626.59	-457.76	775.99	0.00	0.00	0.00	
3,000.00	29.09	323.85	2,811.70	665.85	-486.44	824.61	0.00	0.00	0.00	
3,100.00	29.09	323.85	2,899.08	705.11	-515.13	873.23	0.00	0.00	0.00	
3,200.00	29.09	323.85	2,986.47	744.37	-543.81	921.85	0.00	0.00	0.00	
3,300.00	29.09	323.85	3,073.85	783.62	-572.49	970.47	0.00	0.00	0.00	
3,400.00	29.09	323.85	3,161.24	822.88	-601.17	1,019.09	0.00	0.00	0.00	
3,500.00	29.09	323.85	3,248.62	862.14	-629.85	1,067.71	0.00	0.00	0.00	
3,600.00	29.09	323.85	3,336.01	901.40	-658.53	1,116.33	0.00	0.00	0.00	
3,700.00	29.09	323.85	3,423.39	940.66	-687.22	1,164.95	0.00	0.00	0.00	
3,800.00	29.09	323.85	3,510.77	979.92	-715.90	1,213.57	0.00	0.00	0.00	
3,900.00	29.09	323.85	3,598.16	1,019.18	-744.58	1,262.19	0.00	0.00	0.00	
3,909.91	29.09	323.85	3,606.82	1,023.07	-747.42	1,267.01	0.00	0.00	0.00	
4,000.00	27.74	323.85	3,686.05	1,057.69	-772.71	1,309.88	1.50	-1.50	0.00	
4,100.00	26.24	323.85	3,775.16	1,094.34	-799.48	1,355.27	1.50	-1.50	0.00	
4,200.00	24.74	323.85	3,865.42	1,129.09	-824.87	1,398.30	1.50	-1.50	0.00	
4,300.00	23.24	323.85	3,956.78	1,161.91	-848.85	1,438.96	1.50	-1.50	0.00	
4,400.00	21.74	323.85	4,049.17	1,192.80	-871.42	1,477.21	1.50	-1.50	0.00	
4,500.00	20.24	323.85	4,142.53	1,221.73	-892.55	1,513.03	1.50	-1.50	0.00	
4,600.00	18.74	323.85	4,236.80	1,248.67	-912.23	1,546.39	1.50	-1.50	0.00	
4,700.00	17.24	323.85	4,331.91	1,273.60	-930.45	1,577.28	1.50	-1.50	0.00	
4,800.00	15.74	323.85	4,427.79	1,296.52	-947.19	1,605.66	1.50	-1.50	0.00	
4,900.00	14.24	323.85	4,524.39	1,317.41	-962.45	1,631.53	1.50	-1.50	0.00	

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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 44C-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	12.74	323.85	4,621.62	1,336.24	-976.21	1,654.85	1.50	-1.50	0.00
5,100.00	11.24	323.85	4,719.44	1,353.02	-988.47	1,675.63	1.50	-1.50	0.00
5,200.00	9.74	323.85	4,817.77	1,367.72	-999.21	1,693.84	1.50	-1.50	0.00
5,300.00	8.24	323.85	4,916.53	1,380.34	-1,008.43	1,709.46	1.50	-1.50	0.00
5,400.00	6.74	323.85	5,015.68	1,390.86	-1,016.12	1,722.50	1.50	-1.50	0.00
5,500.00	5.24	323.85	5,115.13	1,399.29	-1,022.27	1,732.93	1.50	-1.50	0.00
5,600.00	3.74	323.85	5,214.82	1,405.61	-1,026.89	1,740.76	1.50	-1.50	0.00
5,700.00	2.24	323.85	5,314.68	1,409.82	-1,029.97	1,745.98	1.50	-1.50	0.00
5,800.00	0.74	323.85	5,414.64	1,411.92	-1,031.50	1,748.58	1.50	-1.50	0.00
5,849.36	0.00	0.00	5,464.00	1,412.18	-1,031.69	1,748.90	1.50	-1.50	0.00
5,900.00	0.00	0.00	5,514.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,000.00	0.00	0.00	5,614.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,100.00	0.00	0.00	5,714.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,200.00	0.00	0.00	5,814.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,300.00	0.00	0.00	5,914.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,400.00	0.00	0.00	6,014.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,500.00	0.00	0.00	6,114.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,600.00	0.00	0.00	6,214.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,700.00	0.00	0.00	6,314.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,800.00	0.00	0.00	6,414.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
6,900.00	0.00	0.00	6,514.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
7,000.00	0.00	0.00	6,614.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
7,100.00	0.00	0.00	6,714.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
7,200.00	0.00	0.00	6,814.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
7,300.00	0.00	0.00	6,914.64	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00
7,349.36	0.00	0.00	6,964.00	1,412.18	-1,031.69	1,748.90	0.00	0.00	0.00


Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
735.00	735.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,162.84	2,954.00	Mesaverde		0.00	
4,087.55	3,764.00	Price Coal		0.00	
4,575.90	4,214.00	Top Gas		0.00	
7,049.36	6,664.00	Rollins		0.00	
	6,964.00	TD		0.00	

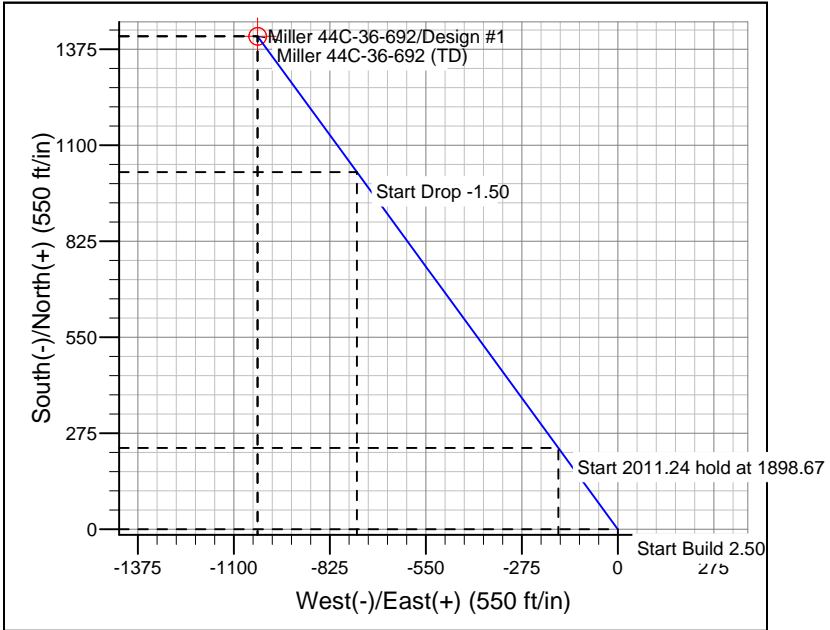
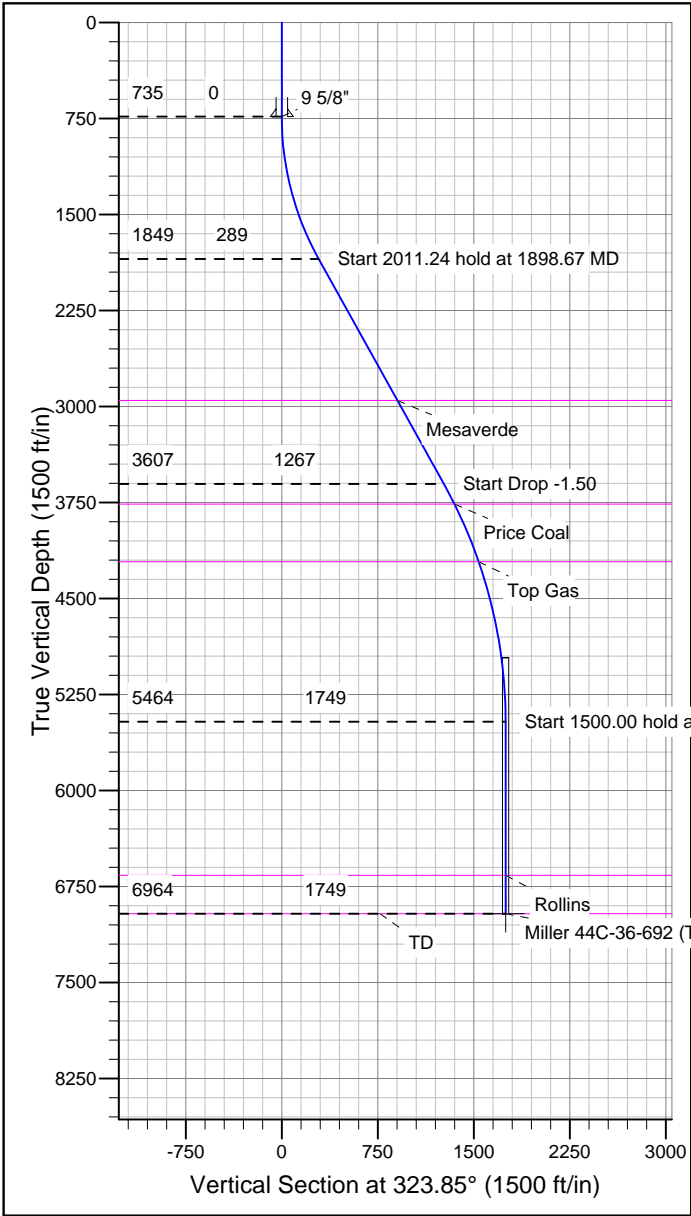
WELL DETAILS: Miller 44C-36-692							
Ground Level:		0.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1604898.690	2405969.198	39° 28' 31.184 N	107° 36' 16.4376 W		



Azimuths to True North
Magnetic North: 10.34°
Magnetic Field: 0.00
Strength: 52463.93 nT
Dip Angle: 65.85°
Date: 12/31/2009
Model: IGRF200510

SECTION DETAILS											
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			
2	0.00	0.00	735.00	0.00	0.00	0.00	0.00	0.00			
3	1898.67	29.09	323.85	1849.31	233.46	-170.56	2.50	323.85	289.13		
4	1898.91	29.09	323.85	3606.82	1023.07	-747.42	0.00	0.00	1267.01		
5	1899.36	0.00	0.00	5464.00	1412.18	-1031.69	1.50	180.00	1748.90		
6	1899.36	0.00	0.00	6964.00	1412.18	-1031.69	0.00	0.00	1748.90	Miller 44C-36-692 (TD)	

WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
Miller 44C-36-692 (TD)	6964.00	1412.18	-1031.69	Circle (Radius: 25.00)



CASING DETAILS			
TVD	MD	Name	Size
735.00	735.00	9 5/8"	9-5/8

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2954.00	3162.84	Mesaverde
3764.00	4087.55	Price Coal
4214.00	4575.90	Top Gas
6664.00	7049.36	Rollins

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference: Well Miller 44C-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	