

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Miller Pad #9

Miller 44A-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 44A-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 44A-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 44A-36-692		
Well Position	+N/-S	-16.04 ft	Northing:
	+E/-W	-1.69 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 28' 31.026 N
			Longitude:
			107° 36' 16.4592 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	307.80

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	
720.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,722.69	25.07	307.80	1,691.00	132.29	-170.57	2.50	2.50	0.00	307.80	
3,439.00	25.07	307.80	3,245.66	577.95	-745.17	0.00	0.00	0.00	0.00	
5,110.14	0.00	0.00	4,864.00	798.44	-1,029.46	1.50	-1.50	0.00	180.00	
7,110.14	0.00	0.00	6,864.00	798.44	-1,029.46	0.00	0.00	0.00	0.00	Miller 44A-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 44A-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
720.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	2.00	307.80	799.98	0.86	-1.10	1.40	2.50	2.50	0.00
900.00	4.50	307.80	899.82	4.33	-5.58	7.06	2.50	2.50	0.00
1,000.00	7.00	307.80	999.30	10.47	-13.50	17.08	2.50	2.50	0.00
1,100.00	9.50	307.80	1,098.26	19.26	-24.84	31.43	2.50	2.50	0.00
1,200.00	12.00	307.80	1,196.50	30.69	-39.57	50.08	2.50	2.50	0.00
1,300.00	14.50	307.80	1,293.83	44.74	-57.68	73.00	2.50	2.50	0.00
1,400.00	17.00	307.80	1,390.07	61.37	-79.13	100.14	2.50	2.50	0.00
1,500.00	19.50	307.80	1,485.03	80.56	-103.87	131.46	2.50	2.50	0.00
1,600.00	22.00	307.80	1,578.54	102.28	-131.87	166.88	2.50	2.50	0.00
1,700.00	24.50	307.80	1,670.41	126.47	-163.06	206.35	2.50	2.50	0.00
1,722.69	25.07	307.80	1,691.00	132.29	-170.57	215.86	2.50	2.50	0.00
1,800.00	25.07	307.80	1,761.04	152.37	-196.46	248.62	0.00	0.00	0.00
1,900.00	25.07	307.80	1,851.62	178.34	-229.93	290.99	0.00	0.00	0.00
2,000.00	25.07	307.80	1,942.20	204.30	-263.41	333.36	0.00	0.00	0.00
2,100.00	25.07	307.80	2,032.78	230.27	-296.89	375.72	0.00	0.00	0.00
2,200.00	25.07	307.80	2,123.36	256.23	-330.37	418.09	0.00	0.00	0.00
2,300.00	25.07	307.80	2,213.94	282.20	-363.85	460.46	0.00	0.00	0.00
2,400.00	25.07	307.80	2,304.52	308.16	-397.33	502.83	0.00	0.00	0.00
2,500.00	25.07	307.80	2,395.10	334.13	-430.81	545.19	0.00	0.00	0.00
2,600.00	25.07	307.80	2,485.69	360.10	-464.29	587.56	0.00	0.00	0.00
2,700.00	25.07	307.80	2,576.27	386.06	-497.76	629.93	0.00	0.00	0.00
2,800.00	25.07	307.80	2,666.85	412.03	-531.24	672.30	0.00	0.00	0.00
2,900.00	25.07	307.80	2,757.43	437.99	-564.72	714.67	0.00	0.00	0.00
3,000.00	25.07	307.80	2,848.01	463.96	-598.20	757.03	0.00	0.00	0.00
3,100.00	25.07	307.80	2,938.59	489.93	-631.68	799.40	0.00	0.00	0.00
3,200.00	25.07	307.80	3,029.17	515.89	-665.16	841.77	0.00	0.00	0.00
3,300.00	25.07	307.80	3,119.75	541.86	-698.64	884.14	0.00	0.00	0.00
3,400.00	25.07	307.80	3,210.34	567.82	-732.11	926.51	0.00	0.00	0.00
3,439.00	25.07	307.80	3,245.66	577.95	-745.17	943.03	0.00	0.00	0.00
3,500.00	24.15	307.80	3,301.12	593.52	-765.24	968.43	1.50	-1.50	0.00
3,600.00	22.65	307.80	3,392.89	617.86	-796.63	1,008.15	1.50	-1.50	0.00
3,700.00	21.15	307.80	3,485.67	640.72	-826.10	1,045.45	1.50	-1.50	0.00
3,800.00	19.65	307.80	3,579.40	662.08	-853.65	1,080.31	1.50	-1.50	0.00
3,900.00	18.15	307.80	3,674.00	681.94	-879.25	1,112.70	1.50	-1.50	0.00
4,000.00	16.65	307.80	3,769.42	700.27	-902.88	1,142.61	1.50	-1.50	0.00
4,100.00	15.15	307.80	3,865.59	717.06	-924.53	1,170.01	1.50	-1.50	0.00
4,200.00	13.65	307.80	3,962.45	732.30	-944.18	1,194.88	1.50	-1.50	0.00
4,300.00	12.15	307.80	4,059.92	745.98	-961.82	1,217.21	1.50	-1.50	0.00
4,400.00	10.65	307.80	4,157.94	758.10	-977.45	1,236.98	1.50	-1.50	0.00
4,500.00	9.15	307.80	4,256.45	768.64	-991.03	1,254.17	1.50	-1.50	0.00
4,600.00	7.65	307.80	4,355.37	777.59	-1,002.58	1,268.79	1.50	-1.50	0.00
4,700.00	6.15	307.80	4,454.65	784.96	-1,012.08	1,280.80	1.50	-1.50	0.00
4,800.00	4.65	307.80	4,554.20	790.73	-1,019.51	1,290.22	1.50	-1.50	0.00
4,900.00	3.15	307.80	4,653.96	794.90	-1,024.89	1,297.02	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 44A-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	1.65	307.80	4,753.87	797.47	-1,028.20	1,301.21	1.50	-1.50	0.00	
5,100.00	0.15	307.80	4,853.86	798.43	-1,029.45	1,302.79	1.50	-1.50	0.00	
5,110.14	0.00	0.00	4,864.00	798.44	-1,029.46	1,302.80	1.50	-1.50	0.00	
5,200.00	0.00	0.00	4,953.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,053.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,153.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,253.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,353.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,453.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,553.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,653.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,753.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,100.00	0.00	0.00	5,853.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,953.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,053.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,153.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,253.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,353.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,453.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,553.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,653.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,753.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,853.86	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	
7,110.14	0.00	0.00	6,864.00	798.44	-1,029.46	1,302.80	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
720.00	720.00	9 5/8"	9-5/8	12-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,072.85	2,914.00	Mesaverde		0.00		
3,889.47	3,664.00	Price Coal		0.00		
4,456.96	4,214.00	Top Gas		0.00		
6,810.14	6,564.00	Rollins		0.00		
7,110.14	6,864.00	TD		0.00		

WELL DETAILS: Miller 44A-36-692							
Ground Level:		0.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	1604882.707	2405967.133	39° 28' 31.026 N	107° 36' 16.4592 W		

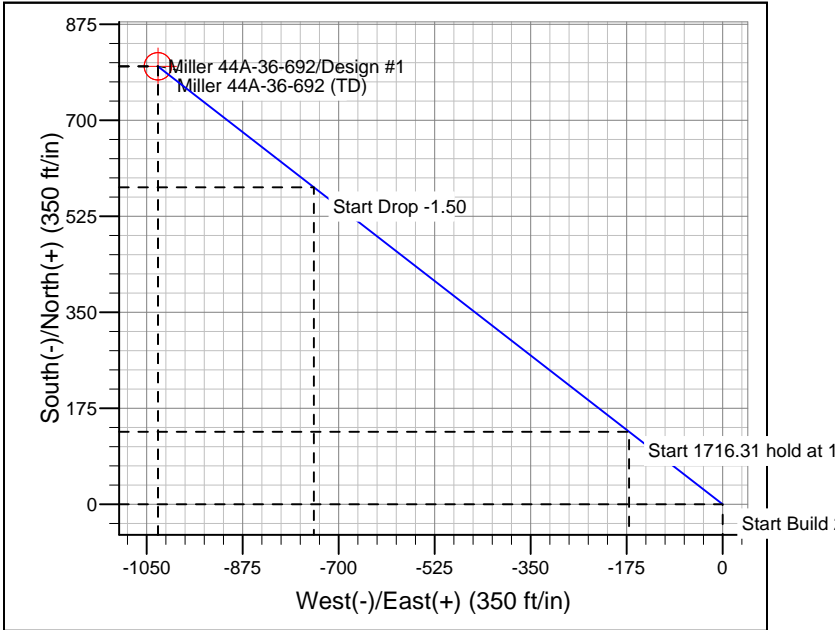
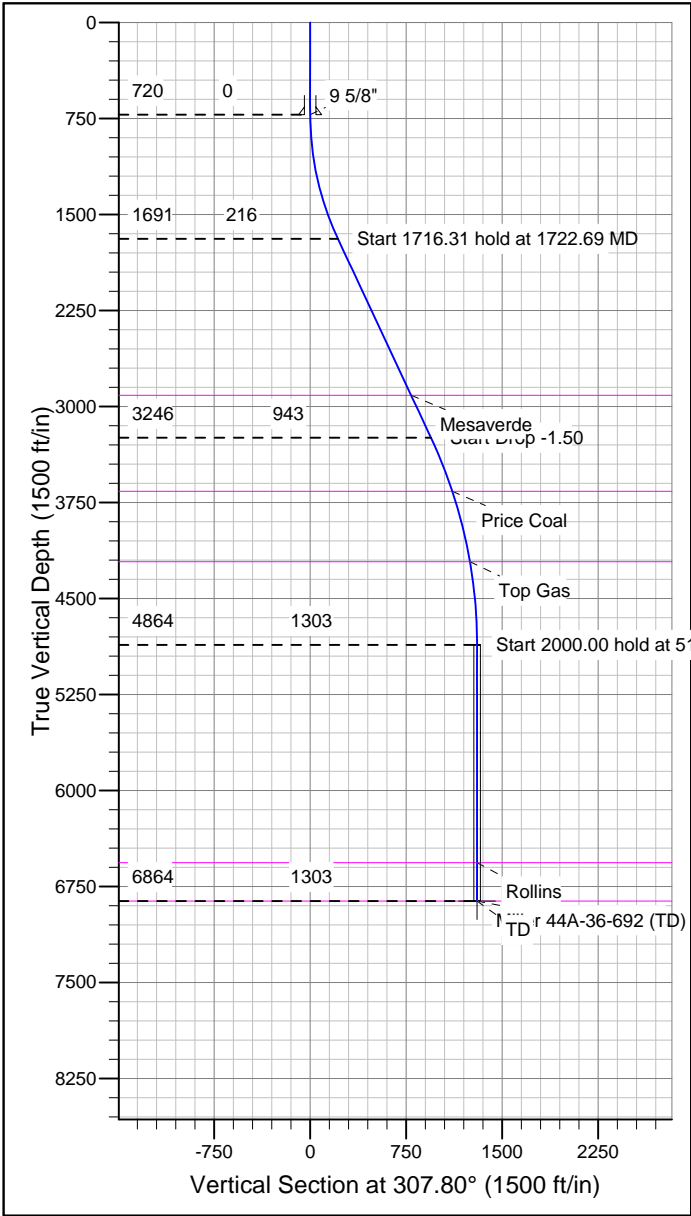


Azimuths to True North
Magnetic North 10.34°

Stc	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	0.00	0.00	0.00	720.00	0.00	0.00	0.00	0.00	0.00	
3	1722.69	25.07	307.80	1691.00	132.29	-170.57	2.50	307.80	215.86	
4	1722.69	25.07	307.80	3245.66	577.95	-745.17	0.00	0.00	943.03	
5	2000.00	0.00	0.00	4864.00	798.44	-1029.46	1.50	180.00	1302.80	
6	2005.10	0.00	0.00	6864.00	798.44	-1029.46	0.00	0.00	1302.80	Miller 44A-36-692 (TD)

Strength: 52463.8 nT
Dip Angle: 65.85°
Date: 12/31/2009
Model: IGRF2005.10

WELLBORE TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
Miller 44A-36-692 (TD)	6864.00	798.44	-1029.46	Circle (Radius: 25.00)



CASING DETAILS			
TVD	MD	Name	Size
720.00	720.00	9 5/8"	9-5/8

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2914.00	3072.85	Mesaverde
3664.00	3889.47	Price Coal
4214.00	4456.96	Top Gas
6564.00	6810.14	Rollins
6864.00	7110.14	TD

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