

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #13

Federal 32C-20-691

Wellbore #1

Plan: Design #1

Standard Planning Report

15 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 32C-20-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Federal 32C-20-691	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	MDP #13		
Site Position:		Northing:	1,618,522.157 ft
From:	Lat/Long	Easting:	2,414,645.051 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 30' 47.770 N
		Longitude:	107° 34' 29.7900 W
		Grid Convergence:	-1.31 °

Well	Federal 32C-20-691		
Well Position	+N/-S	33.38 ft	Northing:
	+E/-W	-3.92 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 30' 48.100 N
			Longitude:
			107° 34' 29.8400 W
			Ground Level:
			0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	4/15/2010	10.37	65.85	52,404

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	343.62

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	
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,446.46	16.66	343.62	1,437.11	92.32	-27.13	2.50	2.50	0.00	343.62	
3,663.25	16.66	343.62	3,560.82	702.12	-206.34	0.00	0.00	0.00	0.00	
4,774.01	0.00	0.00	4,656.00	855.98	-251.56	1.50	-1.50	0.00	180.00	
7,774.01	0.00	0.00	7,656.00	855.98	-251.56	0.00	0.00	0.00	0.00	Federal 32C-20-69'

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 32C-20-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Federal 32C-20-691	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
780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	0.50	343.62	800.00	0.08	-0.02	0.09	2.50	2.50	0.00
900.00	3.00	343.62	899.95	3.01	-0.89	3.14	2.50	2.50	0.00
1,000.00	5.50	343.62	999.66	10.12	-2.97	10.55	2.50	2.50	0.00
1,100.00	8.00	343.62	1,098.96	21.40	-6.29	22.30	2.50	2.50	0.00
1,200.00	10.50	343.62	1,197.65	36.82	-10.82	38.38	2.50	2.50	0.00
1,300.00	13.00	343.62	1,295.55	56.36	-16.56	58.74	2.50	2.50	0.00
1,400.00	15.50	343.62	1,392.47	79.97	-23.50	83.35	2.50	2.50	0.00
1,446.46	16.66	343.62	1,437.11	92.32	-27.13	96.22	2.50	2.50	0.00
1,500.00	16.66	343.62	1,488.40	107.05	-31.46	111.57	0.00	0.00	0.00
1,600.00	16.66	343.62	1,584.20	134.55	-39.54	140.24	0.00	0.00	0.00
1,700.00	16.66	343.62	1,680.00	162.06	-47.63	168.92	0.00	0.00	0.00
1,800.00	16.66	343.62	1,775.80	189.57	-55.71	197.59	0.00	0.00	0.00
1,900.00	16.66	343.62	1,871.61	217.08	-63.80	226.26	0.00	0.00	0.00
2,000.00	16.66	343.62	1,967.41	244.59	-71.88	254.93	0.00	0.00	0.00
2,100.00	16.66	343.62	2,063.21	272.10	-79.96	283.60	0.00	0.00	0.00
2,200.00	16.66	343.62	2,159.01	299.60	-88.05	312.27	0.00	0.00	0.00
2,300.00	16.66	343.62	2,254.81	327.11	-96.13	340.95	0.00	0.00	0.00
2,400.00	16.66	343.62	2,350.61	354.62	-104.22	369.62	0.00	0.00	0.00
2,500.00	16.66	343.62	2,446.41	382.13	-112.30	398.29	0.00	0.00	0.00
2,600.00	16.66	343.62	2,542.22	409.64	-120.39	426.96	0.00	0.00	0.00
2,700.00	16.66	343.62	2,638.02	437.14	-128.47	455.63	0.00	0.00	0.00
2,800.00	16.66	343.62	2,733.82	464.65	-136.55	484.30	0.00	0.00	0.00
2,900.00	16.66	343.62	2,829.62	492.16	-144.64	512.97	0.00	0.00	0.00
3,000.00	16.66	343.62	2,925.42	519.67	-152.72	541.65	0.00	0.00	0.00
3,100.00	16.66	343.62	3,021.22	547.18	-160.81	570.32	0.00	0.00	0.00
3,200.00	16.66	343.62	3,117.03	574.69	-168.89	598.99	0.00	0.00	0.00
3,300.00	16.66	343.62	3,212.83	602.19	-176.98	627.66	0.00	0.00	0.00
3,400.00	16.66	343.62	3,308.63	629.70	-185.06	656.33	0.00	0.00	0.00
3,500.00	16.66	343.62	3,404.43	657.21	-193.14	685.00	0.00	0.00	0.00
3,600.00	16.66	343.62	3,500.23	684.72	-201.23	713.68	0.00	0.00	0.00
3,663.25	16.66	343.62	3,560.82	702.12	-206.34	731.81	0.00	0.00	0.00
3,700.00	16.11	343.62	3,596.08	712.07	-209.26	742.18	1.50	-1.50	0.00
3,800.00	14.61	343.62	3,692.51	737.48	-216.73	768.67	1.50	-1.50	0.00
3,900.00	13.11	343.62	3,789.59	760.46	-223.49	792.62	1.50	-1.50	0.00
3,906.58	13.01	343.62	3,796.00	761.89	-223.91	794.11	1.50	-1.50	0.00
Mesaverde									
4,000.00	11.61	343.62	3,887.27	781.00	-229.52	814.03	1.50	-1.50	0.00
4,100.00	10.11	343.62	3,985.48	799.07	-234.84	832.87	1.50	-1.50	0.00
4,200.00	8.61	343.62	4,084.15	814.68	-239.42	849.13	1.50	-1.50	0.00
4,300.00	7.11	343.62	4,183.20	827.80	-243.28	862.81	1.50	-1.50	0.00
4,400.00	5.61	343.62	4,282.58	838.43	-246.40	873.88	1.50	-1.50	0.00
4,500.00	4.11	343.62	4,382.22	846.55	-248.79	882.35	1.50	-1.50	0.00
4,600.00	2.61	343.62	4,482.05	852.18	-250.44	888.22	1.50	-1.50	0.00

BBC

Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Federal 32C-20-691	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)
4,700.00	1.11	343.62	4,581.99	855.29	-251.36	891.46	1.50	-1.50	0.00
4,764.01	0.15	343.62	4,646.00	855.97	-251.56	892.17	1.50	-1.50	0.00
Price Coal									
4,774.01	0.00	0.00	4,656.00	855.98	-251.56	892.18	1.50	-1.50	0.00
4,794.01	0.00	0.00	4,676.00	855.98	-251.56	892.18	0.00	0.00	0.00
Top Gas									
4,800.00	0.00	0.00	4,681.99	855.98	-251.56	892.18	0.00	0.00	0.00
4,900.00	0.00	0.00	4,781.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,000.00	0.00	0.00	4,881.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,100.00	0.00	0.00	4,981.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,200.00	0.00	0.00	5,081.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,300.00	0.00	0.00	5,181.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,400.00	0.00	0.00	5,281.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,500.00	0.00	0.00	5,381.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,600.00	0.00	0.00	5,481.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,700.00	0.00	0.00	5,581.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,800.00	0.00	0.00	5,681.99	855.98	-251.56	892.18	0.00	0.00	0.00
5,900.00	0.00	0.00	5,781.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,000.00	0.00	0.00	5,881.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,100.00	0.00	0.00	5,981.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,200.00	0.00	0.00	6,081.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,300.00	0.00	0.00	6,181.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,400.00	0.00	0.00	6,281.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,500.00	0.00	0.00	6,381.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,600.00	0.00	0.00	6,481.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,700.00	0.00	0.00	6,581.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,800.00	0.00	0.00	6,681.99	855.98	-251.56	892.18	0.00	0.00	0.00
6,900.00	0.00	0.00	6,781.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,000.00	0.00	0.00	6,881.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,100.00	0.00	0.00	6,981.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,200.00	0.00	0.00	7,081.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,300.00	0.00	0.00	7,181.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,400.00	0.00	0.00	7,281.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,474.01	0.00	0.00	7,356.00	855.98	-251.56	892.18	0.00	0.00	0.00
Rollins									
7,500.00	0.00	0.00	7,381.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,600.00	0.00	0.00	7,481.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,700.00	0.00	0.00	7,581.99	855.98	-251.56	892.18	0.00	0.00	0.00
7,774.01	0.00	0.00	7,656.00	855.98	-251.56	892.18	0.00	0.00	0.00
TD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
780.00	780.00	9 5/8"	9-5/8	12-1/4

BBC

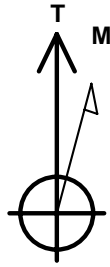
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Federal 32C-20-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6453.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6453.00ft (Original Well Elev)
Site:	MDP #13	North Reference:	True
Well:	Federal 32C-20-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,906.58	3,796.00	Mesaverde		0.00		
4,764.01	4,646.00	Price Coal		0.00		
4,794.01	4,676.00	Top Gas		0.00		
7,474.01	7,356.00	Rollins		0.00		
7,774.01	7,656.00	TD		0.00		

WELL DETAILS: Federal 32C-20-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1618555.618 2414641.898 30° 48' 10" N 104° 29' 40" W



Azimuths to True North
 Magnetic North: 10.37°

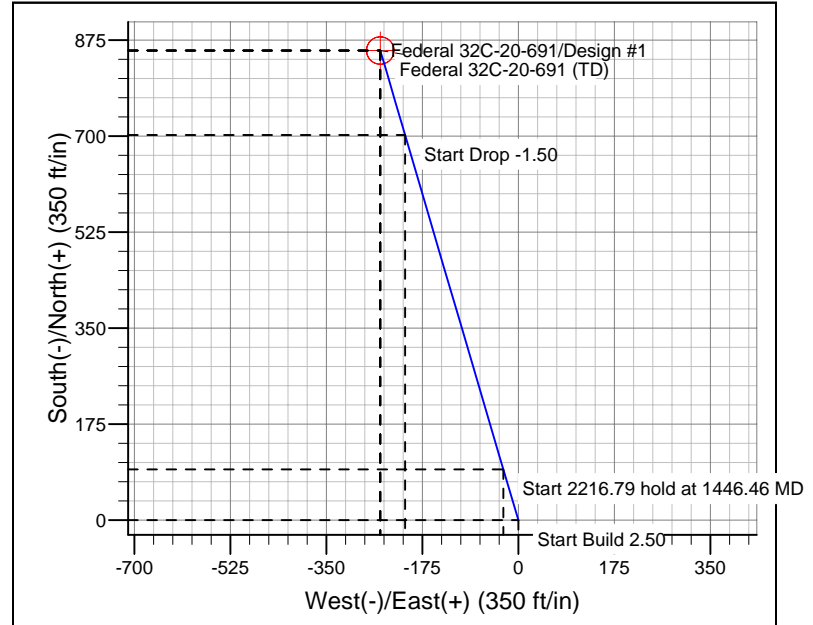
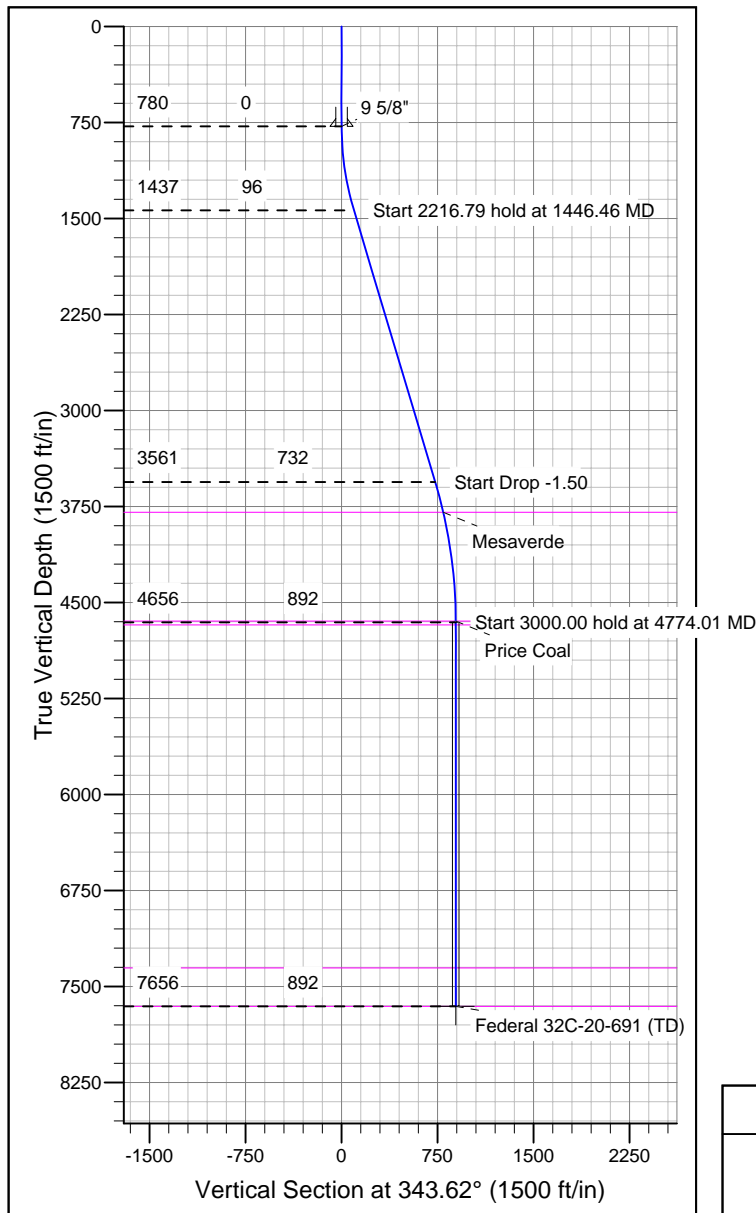
Magnetic Field
 Strength: 52404.1snT
 Dip Angle: 65.85°
 Date: 4/15/2010
 Model: BGGM2007

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	
2	780.00	0.00	0.00	780.00	0.00	0.00	0.00	0.00	0.00	
3	1446.46	16.66	343.62	1437.11	92.32	-27.13	2.50	343.62	96.22	
4	3563.25	16.66	343.62	3560.82	702.12	-206.34	0.00	0.00	731.81	
5	4774.01	0.00	0.00	4656.00	855.98	-251.56	1.50	180.00	892.18	
6	7774.01	0.00	0.00	7656.00	855.98	-251.56	0.00	0.00	892.18	Federal 32C-20-691 (TD)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Federal 32C-20-691 (TD)	7656.00	855.98	-251.56	Circle (Radius: 25.00)



CASING DETAILS

TVD	MD	Name	Size
780.00	780.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVD	MD	Formation
3796.00	3906.58	Mesaverde
4646.00	4764.01	Price Coal
4676.00	4794.01	Top Gas
7356.00	7474.01	Rollins
7656.00	7774.01	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 32C-20-691, True North
 Vertical (TVD) Reference: WELL @ 6453.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6453.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature