

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Swanson 33A-29-691

Wellbore #1

Plan: Design #1

Standard Planning Report

15 April, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Swanson 33A-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Swanson 33A-29-691	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 #15		
Site Position:		Northing:	1,612,461.747 ft
From:	Lat/Long	Easting:	2,414,303.528 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	39° 29' 47.810 N
		Longitude:	107° 34' 32.3800 W
		Grid Convergence:	-1.31 °

Well	GGU Swanson 33A-29-691		
Well Position	+N/-S	3.02 ft	Northing:
	+E/-W	-15.68 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)
	BGGM2007	4/15/2010	10.37	65.83	52,398

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	170.30

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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,031.70	7.29	170.30	1,030.91	-18.27	3.12	2.50	2.50	0.00	170.30	
4,345.74	7.29	170.30	4,318.15	-432.93	73.97	0.00	0.00	0.00	0.00	
4,831.90	0.00	0.00	4,803.00	-463.38	79.17	1.50	-1.50	0.00	180.00	
7,331.90	0.00	0.00	7,303.00	-463.38	79.17	0.00	0.00	0.00	0.00	GGU Swanson 33A

BBC

Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Swanson 33A-29-691	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	
740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	0.00	
9 5/8"										
800.00	1.50	170.30	799.99	-0.77	0.13	0.79	2.50	2.50	0.00	
900.00	4.00	170.30	899.87	-5.50	0.94	5.58	2.50	2.50	0.00	
1,000.00	6.50	170.30	999.44	-14.52	2.48	14.73	2.50	2.50	0.00	
1,031.70	7.29	170.30	1,030.91	-18.27	3.12	18.54	2.50	2.50	0.00	
1,100.00	7.29	170.30	1,098.66	-26.82	4.58	27.21	0.00	0.00	0.00	
1,200.00	7.29	170.30	1,197.85	-39.33	6.72	39.90	0.00	0.00	0.00	
1,300.00	7.29	170.30	1,297.04	-51.84	8.86	52.59	0.00	0.00	0.00	
1,400.00	7.29	170.30	1,396.23	-64.36	11.00	65.29	0.00	0.00	0.00	
1,500.00	7.29	170.30	1,495.43	-76.87	13.13	77.98	0.00	0.00	0.00	
1,600.00	7.29	170.30	1,594.62	-89.38	15.27	90.67	0.00	0.00	0.00	
1,700.00	7.29	170.30	1,693.81	-101.89	17.41	103.37	0.00	0.00	0.00	
1,800.00	7.29	170.30	1,793.00	-114.40	19.55	116.06	0.00	0.00	0.00	
1,900.00	7.29	170.30	1,892.19	-126.92	21.68	128.75	0.00	0.00	0.00	
2,000.00	7.29	170.30	1,991.38	-139.43	23.82	141.45	0.00	0.00	0.00	
2,100.00	7.29	170.30	2,090.57	-151.94	25.96	154.14	0.00	0.00	0.00	
2,200.00	7.29	170.30	2,189.76	-164.45	28.10	166.83	0.00	0.00	0.00	
2,300.00	7.29	170.30	2,288.95	-176.96	30.24	179.53	0.00	0.00	0.00	
2,400.00	7.29	170.30	2,388.15	-189.48	32.37	192.22	0.00	0.00	0.00	
2,500.00	7.29	170.30	2,487.34	-201.99	34.51	204.91	0.00	0.00	0.00	
2,600.00	7.29	170.30	2,586.53	-214.50	36.65	217.61	0.00	0.00	0.00	
2,700.00	7.29	170.30	2,685.72	-227.01	38.79	230.30	0.00	0.00	0.00	
2,800.00	7.29	170.30	2,784.91	-239.52	40.93	242.99	0.00	0.00	0.00	
2,900.00	7.29	170.30	2,884.10	-252.03	43.06	255.69	0.00	0.00	0.00	
3,000.00	7.29	170.30	2,983.29	-264.55	45.20	268.38	0.00	0.00	0.00	
3,100.00	7.29	170.30	3,082.48	-277.06	47.34	281.07	0.00	0.00	0.00	
3,200.00	7.29	170.30	3,181.67	-289.57	49.48	293.77	0.00	0.00	0.00	
3,300.00	7.29	170.30	3,280.87	-302.08	51.61	306.46	0.00	0.00	0.00	
3,400.00	7.29	170.30	3,380.06	-314.59	53.75	319.15	0.00	0.00	0.00	
3,473.54	7.29	170.30	3,453.00	-323.80	55.32	328.49	0.00	0.00	0.00	
Mesaverde										
3,500.00	7.29	170.30	3,479.25	-327.11	55.89	331.85	0.00	0.00	0.00	
3,600.00	7.29	170.30	3,578.44	-339.62	58.03	344.54	0.00	0.00	0.00	
3,700.00	7.29	170.30	3,677.63	-352.13	60.17	357.23	0.00	0.00	0.00	
3,800.00	7.29	170.30	3,776.82	-364.64	62.30	369.93	0.00	0.00	0.00	
3,900.00	7.29	170.30	3,876.01	-377.15	64.44	382.62	0.00	0.00	0.00	
4,000.00	7.29	170.30	3,975.20	-389.67	66.58	395.31	0.00	0.00	0.00	
4,100.00	7.29	170.30	4,074.39	-402.18	68.72	408.01	0.00	0.00	0.00	
4,200.00	7.29	170.30	4,173.59	-414.69	70.85	420.70	0.00	0.00	0.00	
4,214.53	7.29	170.30	4,188.00	-416.51	71.17	422.54	0.00	0.00	0.00	
Price Coal										
4,300.00	7.29	170.30	4,272.78	-427.20	72.99	433.39	0.00	0.00	0.00	
4,345.74	7.29	170.30	4,318.15	-432.93	73.97	439.20	0.00	0.00	0.00	
4,400.00	6.48	170.30	4,372.01	-439.34	75.07	445.70	1.50	-1.50	0.00	

BBC

Planning Report

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Swanson 33A-29-691	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)
4,500.00	4.98	170.30	4,471.51	-449.18	76.75	455.69	1.50	-1.50	0.00
4,600.00	3.48	170.30	4,571.24	-456.44	77.99	463.06	1.50	-1.50	0.00
4,700.00	1.98	170.30	4,671.12	-461.14	78.79	467.82	1.50	-1.50	0.00
4,800.00	0.48	170.30	4,771.10	-463.25	79.15	469.96	1.50	-1.50	0.00
4,831.90	0.00	0.00	4,803.00	-463.38	79.17	470.10	1.50	-1.50	0.00
4,900.00	0.00	0.00	4,871.10	-463.38	79.17	470.10	0.00	0.00	0.00
4,951.90	0.00	0.00	4,923.00	-463.38	79.17	470.10	0.00	0.00	0.00
Top Gas									
5,000.00	0.00	0.00	4,971.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,100.00	0.00	0.00	5,071.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,200.00	0.00	0.00	5,171.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,300.00	0.00	0.00	5,271.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,400.00	0.00	0.00	5,371.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,500.00	0.00	0.00	5,471.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,600.00	0.00	0.00	5,571.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,700.00	0.00	0.00	5,671.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,800.00	0.00	0.00	5,771.10	-463.38	79.17	470.10	0.00	0.00	0.00
5,900.00	0.00	0.00	5,871.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,000.00	0.00	0.00	5,971.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,100.00	0.00	0.00	6,071.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,200.00	0.00	0.00	6,171.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,300.00	0.00	0.00	6,271.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,400.00	0.00	0.00	6,371.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,500.00	0.00	0.00	6,471.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,600.00	0.00	0.00	6,571.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,700.00	0.00	0.00	6,671.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,800.00	0.00	0.00	6,771.10	-463.38	79.17	470.10	0.00	0.00	0.00
6,900.00	0.00	0.00	6,871.10	-463.38	79.17	470.10	0.00	0.00	0.00
7,000.00	0.00	0.00	6,971.10	-463.38	79.17	470.10	0.00	0.00	0.00
7,031.90	0.00	0.00	7,003.00	-463.38	79.17	470.10	0.00	0.00	0.00
Rollins									
7,100.00	0.00	0.00	7,071.10	-463.38	79.17	470.10	0.00	0.00	0.00
7,200.00	0.00	0.00	7,171.10	-463.38	79.17	470.10	0.00	0.00	0.00
7,300.00	0.00	0.00	7,271.10	-463.38	79.17	470.10	0.00	0.00	0.00
7,331.90	0.00	0.00	7,303.00	-463.38	79.17	470.10	0.00	0.00	0.00
TD									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
740.00	740.00	9 5/8"	9-5/8	12-1/4	

BBC

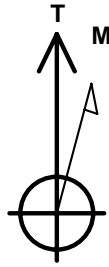
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Swanson 33A-29-691
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 6031.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 6031.00ft (Original Well Elev)
Site:	MDP #15	North Reference:	True
Well:	GGU Swanson 33A-29-691	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,473.54	3,453.00	Mesaverde		0.00		
4,214.53	4,188.00	Price Coal		0.00		
4,951.90	4,923.00	Top Gas		0.00		
7,031.90	7,003.00	Rollins		0.00		
7,331.90	7,303.00	TD		0.00		

WELL DETAILS: GGU Swanson 33A-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612465.126 2414287.923 29° 47' 00" N 104° 32' 58" W



Azimuths to True North
 Magnetic North: 10.37°

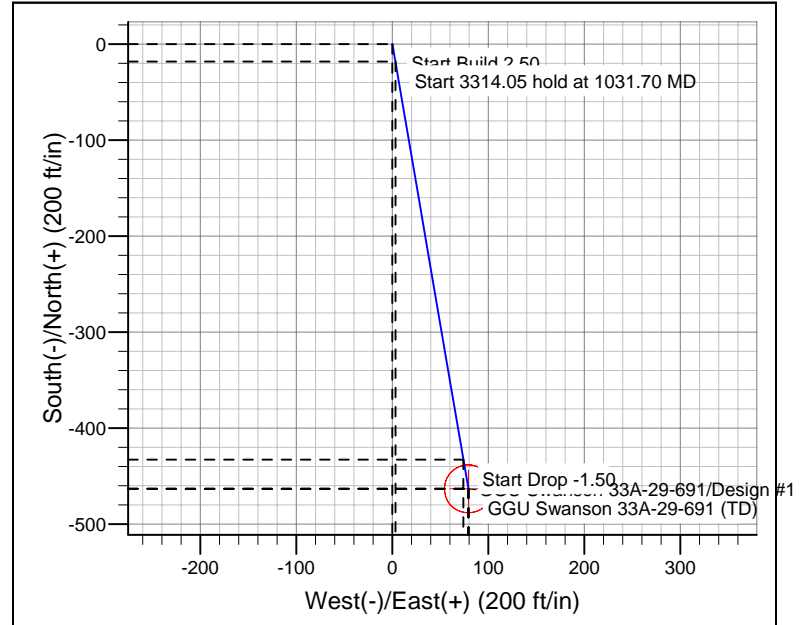
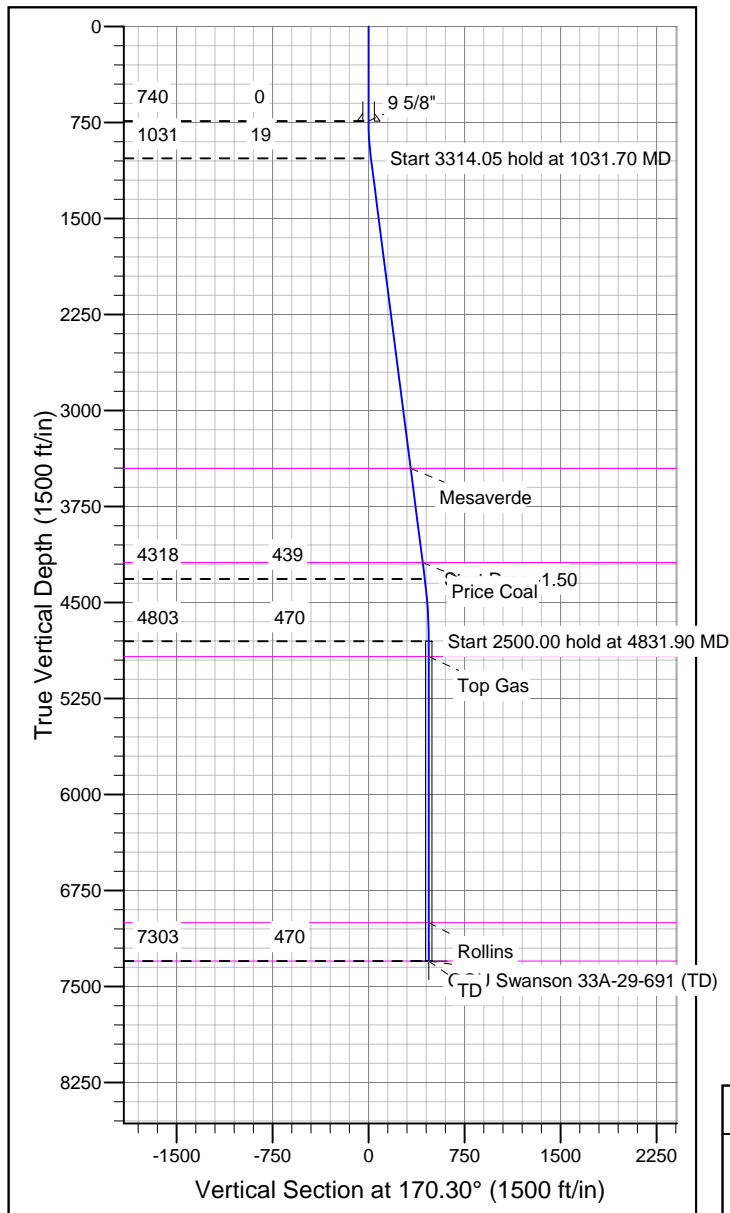
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	740.00	0.00	0.00	740.00	0.00	0.00	0.00	0.00	0.00	
3	1031.70	7.29	170.30	1030.91	-18.27	3.12	2.50	170.30	18.54	
4	445.74	7.29	170.30	4318.15	-432.93	73.97	0.00	0.00	439.20	
5	4831.90	0.00	0.00	4803.00	-463.38	79.17	1.50	180.00	470.10	
6	7303.00	0.00	0.00	7303.00	-463.38	79.17	0.00	0.00	470.10	GGU Swanson 33A-29-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Swanson 33A-29-691 (TD) 7303.00 -463.38 79.17 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 740.00 740.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD	MD	Formation
3453.00	3473.54	Mesaverde
4188.00	4214.53	Price Coal
4923.00	4951.90	Top Gas
7003.00	7031.90	Rollins
7303.00	7331.90	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Swanson 33A-29-691, True North
 Vertical (TVD) Reference: WELL @ 6031.00ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6031.00ft (Original Well Elev)
 Calculation Method: Minimum Curvature