

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

MDP #15

GGU Swanson 32A-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 32A-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 32A-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 32A-29-691		
Well Position	+N/-S	40.46 ft	Northing:
	+E/-W	-121.50 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			ft
			Latitude:
			39° 29' 48.210 N
			Longitude:
			107° 34' 33.9300 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	65.83	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	10.35

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	
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,378.58	15.71	10.35	1,370.73	84.27	15.39	2.50	2.50	0.00	10.35	
3,869.40	15.71	10.35	3,768.45	747.91	136.61	0.00	0.00	0.00	0.00	
4,917.03	0.00	0.00	4,803.00	888.36	162.26	1.50	-1.50	0.00	180.00	
7,417.03	0.00	0.00	7,303.00	888.36	162.26	0.00	0.00	0.00	0.00	GGU Swanson 32A

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 32A-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
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.25	10.35	800.00	0.54	0.10	0.55	2.50	2.50	0.00
900.00	3.75	10.35	899.89	4.83	0.88	4.91	2.50	2.50	0.00
1,000.00	6.25	10.35	999.50	13.40	2.45	13.62	2.50	2.50	0.00
1,100.00	8.75	10.35	1,098.64	26.24	4.79	26.67	2.50	2.50	0.00
1,200.00	11.25	10.35	1,197.11	43.32	7.91	44.04	2.50	2.50	0.00
1,300.00	13.75	10.35	1,294.74	64.61	11.80	65.68	2.50	2.50	0.00
1,378.58	15.71	10.35	1,370.73	84.27	15.39	85.66	2.50	2.50	0.00
1,400.00	15.71	10.35	1,391.35	89.97	16.43	91.46	0.00	0.00	0.00
1,500.00	15.71	10.35	1,487.61	116.62	21.30	118.55	0.00	0.00	0.00
1,600.00	15.71	10.35	1,583.87	143.26	26.17	145.63	0.00	0.00	0.00
1,700.00	15.71	10.35	1,680.14	169.90	31.03	172.72	0.00	0.00	0.00
1,800.00	15.71	10.35	1,776.40	196.55	35.90	199.80	0.00	0.00	0.00
1,900.00	15.71	10.35	1,872.66	223.19	40.77	226.88	0.00	0.00	0.00
2,000.00	15.71	10.35	1,968.92	249.84	45.63	253.97	0.00	0.00	0.00
2,100.00	15.71	10.35	2,065.18	276.48	50.50	281.05	0.00	0.00	0.00
2,200.00	15.71	10.35	2,161.45	303.12	55.37	308.14	0.00	0.00	0.00
2,300.00	15.71	10.35	2,257.71	329.77	60.23	335.22	0.00	0.00	0.00
2,400.00	15.71	10.35	2,353.97	356.41	65.10	362.31	0.00	0.00	0.00
2,500.00	15.71	10.35	2,450.23	383.05	69.96	389.39	0.00	0.00	0.00
2,600.00	15.71	10.35	2,546.50	409.70	74.83	416.47	0.00	0.00	0.00
2,700.00	15.71	10.35	2,642.76	436.34	79.70	443.56	0.00	0.00	0.00
2,800.00	15.71	10.35	2,739.02	462.98	84.56	470.64	0.00	0.00	0.00
2,900.00	15.71	10.35	2,835.28	489.63	89.43	497.73	0.00	0.00	0.00
3,000.00	15.71	10.35	2,931.55	516.27	94.30	524.81	0.00	0.00	0.00
3,100.00	15.71	10.35	3,027.81	542.91	99.16	551.90	0.00	0.00	0.00
3,200.00	15.71	10.35	3,124.07	569.56	104.03	578.98	0.00	0.00	0.00
3,300.00	15.71	10.35	3,220.33	596.20	108.90	606.07	0.00	0.00	0.00
3,400.00	15.71	10.35	3,316.59	622.85	113.76	633.15	0.00	0.00	0.00
3,500.00	15.71	10.35	3,412.86	649.49	118.63	660.23	0.00	0.00	0.00
3,531.31	15.71	10.35	3,443.00	657.83	120.15	668.72	0.00	0.00	0.00
Mesaverde									
3,600.00	15.71	10.35	3,509.12	676.13	123.50	687.32	0.00	0.00	0.00
3,700.00	15.71	10.35	3,605.38	702.78	128.36	714.40	0.00	0.00	0.00
3,800.00	15.71	10.35	3,701.64	729.42	133.23	741.49	0.00	0.00	0.00
3,869.40	15.71	10.35	3,768.45	747.91	136.61	760.28	0.00	0.00	0.00
3,900.00	15.26	10.35	3,797.94	755.95	138.07	768.45	1.50	-1.50	0.00
4,000.00	13.76	10.35	3,894.75	780.59	142.57	793.50	1.50	-1.50	0.00
4,100.00	12.26	10.35	3,992.18	802.72	146.62	816.00	1.50	-1.50	0.00
4,200.00	10.76	10.35	4,090.17	822.35	150.20	835.95	1.50	-1.50	0.00
4,300.00	9.26	10.35	4,188.65	839.44	153.32	853.32	1.50	-1.50	0.00
4,319.60	8.96	10.35	4,208.00	842.49	153.88	856.43	1.50	-1.50	0.00
Price Coal									
4,400.00	7.76	10.35	4,287.54	853.99	155.98	868.11	1.50	-1.50	0.00

BBC

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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 32A-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	6.26	10.35	4,386.79	865.98	158.17	880.31	1.50	-1.50	0.00
4,600.00	4.76	10.35	4,486.33	875.42	159.90	889.90	1.50	-1.50	0.00
4,700.00	3.26	10.35	4,586.08	882.29	161.15	896.89	1.50	-1.50	0.00
4,800.00	1.76	10.35	4,685.98	886.59	161.94	901.26	1.50	-1.50	0.00
4,900.00	0.26	10.35	4,785.97	888.32	162.25	903.01	1.50	-1.50	0.00
4,917.03	0.00	0.00	4,803.00	888.36	162.26	903.05	1.50	-1.50	0.00
5,000.00	0.00	0.00	4,885.97	888.36	162.26	903.05	0.00	0.00	0.00
5,007.03	0.00	0.00	4,893.00	888.36	162.26	903.05	0.00	0.00	0.00
Top Gas									
5,100.00	0.00	0.00	4,985.97	888.36	162.26	903.05	0.00	0.00	0.00
5,200.00	0.00	0.00	5,085.97	888.36	162.26	903.05	0.00	0.00	0.00
5,300.00	0.00	0.00	5,185.97	888.36	162.26	903.05	0.00	0.00	0.00
5,400.00	0.00	0.00	5,285.97	888.36	162.26	903.05	0.00	0.00	0.00
5,500.00	0.00	0.00	5,385.97	888.36	162.26	903.05	0.00	0.00	0.00
5,600.00	0.00	0.00	5,485.97	888.36	162.26	903.05	0.00	0.00	0.00
5,700.00	0.00	0.00	5,585.97	888.36	162.26	903.05	0.00	0.00	0.00
5,800.00	0.00	0.00	5,685.97	888.36	162.26	903.05	0.00	0.00	0.00
5,900.00	0.00	0.00	5,785.97	888.36	162.26	903.05	0.00	0.00	0.00
6,000.00	0.00	0.00	5,885.97	888.36	162.26	903.05	0.00	0.00	0.00
6,100.00	0.00	0.00	5,985.97	888.36	162.26	903.05	0.00	0.00	0.00
6,200.00	0.00	0.00	6,085.97	888.36	162.26	903.05	0.00	0.00	0.00
6,300.00	0.00	0.00	6,185.97	888.36	162.26	903.05	0.00	0.00	0.00
6,400.00	0.00	0.00	6,285.97	888.36	162.26	903.05	0.00	0.00	0.00
6,500.00	0.00	0.00	6,385.97	888.36	162.26	903.05	0.00	0.00	0.00
6,600.00	0.00	0.00	6,485.97	888.36	162.26	903.05	0.00	0.00	0.00
6,700.00	0.00	0.00	6,585.97	888.36	162.26	903.05	0.00	0.00	0.00
6,800.00	0.00	0.00	6,685.97	888.36	162.26	903.05	0.00	0.00	0.00
6,900.00	0.00	0.00	6,785.97	888.36	162.26	903.05	0.00	0.00	0.00
7,000.00	0.00	0.00	6,885.97	888.36	162.26	903.05	0.00	0.00	0.00
7,100.00	0.00	0.00	6,985.97	888.36	162.26	903.05	0.00	0.00	0.00
7,117.03	0.00	0.00	7,003.00	888.36	162.26	903.05	0.00	0.00	0.00
Rollins									
7,200.00	0.00	0.00	7,085.97	888.36	162.26	903.05	0.00	0.00	0.00
7,300.00	0.00	0.00	7,185.97	888.36	162.26	903.05	0.00	0.00	0.00
7,400.00	0.00	0.00	7,285.97	888.36	162.26	903.05	0.00	0.00	0.00
7,417.03	0.00	0.00	7,303.00	888.36	162.26	903.05	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
750.00	750.00	9 5/8"	9-5/8	12-1/4

BBC

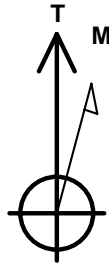
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well GGU Swanson 32A-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 32A-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 (°)	
3,531.31	3,443.00	Mesaverde		0.00		
4,319.60	4,208.00	Price Coal		0.00		
5,007.03	4,893.00	Top Gas		0.00		
7,117.03	7,003.00	Rollins		0.00		
7,417.03	7,303.00	TD		0.00		

WELL DETAILS: GGU Swanson 32A-29-691

Ground Level: 0.00
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1612504.970 2414182.992 29° 48' 20" N 104° 33.9300 W



Azimuths to True North
 Magnetic North: 10.37°

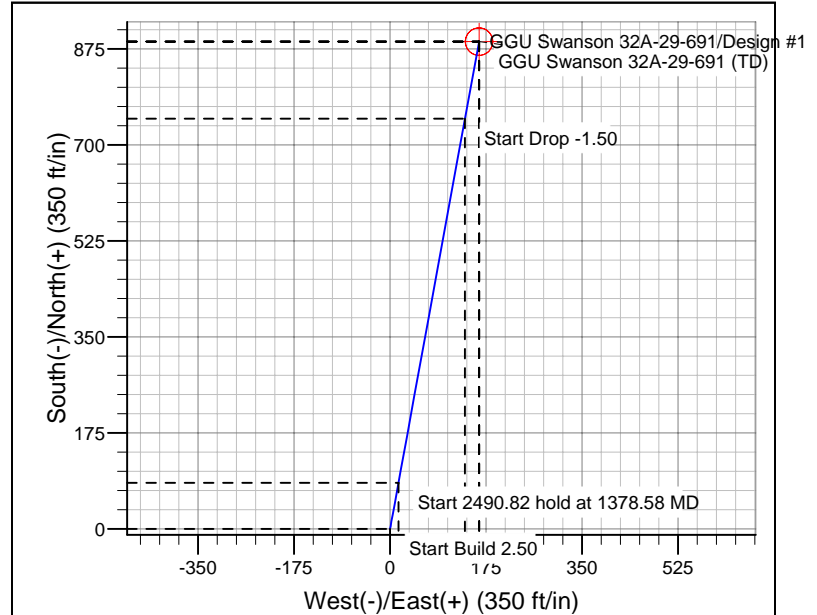
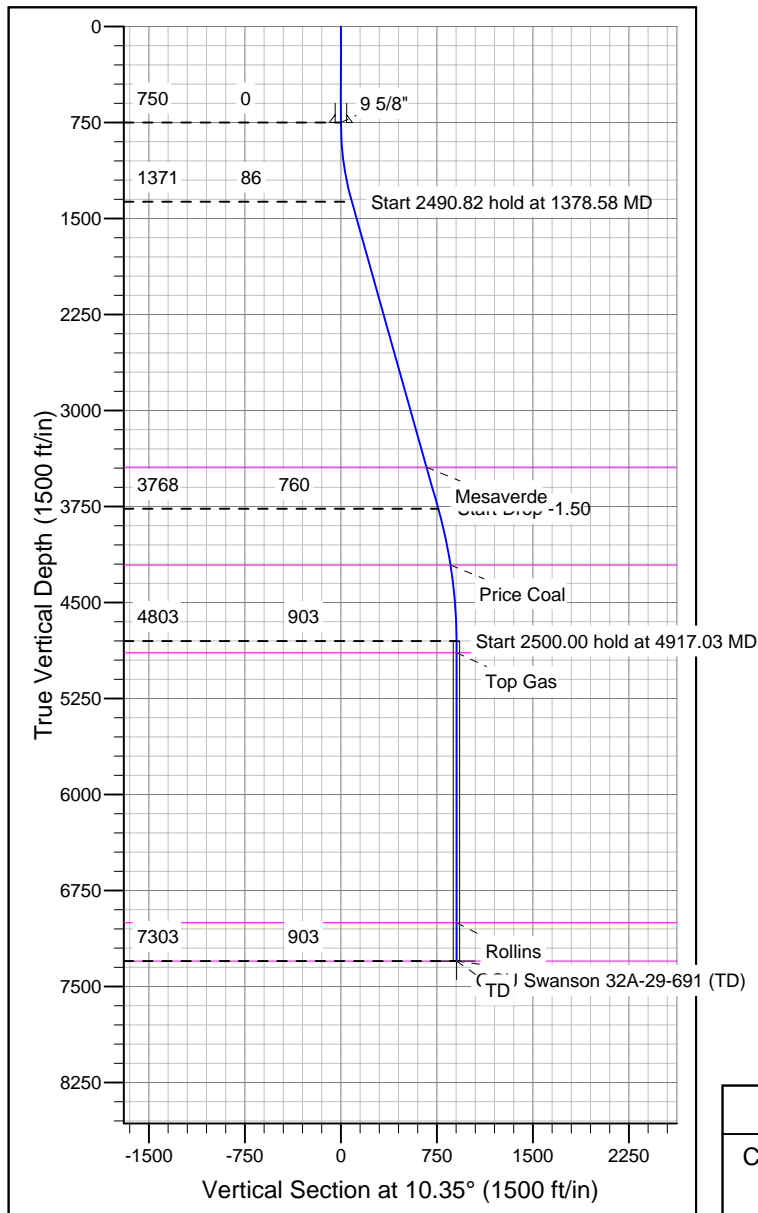
Magnetic Field
 Strength: 52398.2snT
 Dip Angle: 65.83°
 Date: 4/15/2010
 Model: BGGM2007

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	750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	
3	1378.58	15.71	10.35	1370.73	84.27	15.39	2.50	10.35	85.66	
4	3869.40	15.71	10.35	3768.45	747.91	136.61	0.00	0.00	760.28	
5	4917.03	0.00	0.00	4803.00	888.36	162.26	1.50	180.00	903.05	
6	7303.00	0.00	0.00	7303.00	888.36	162.26	0.00	0.00	903.05	GGU Swanson 32A-29-691 (TD)

WELLBORE TARGET DETAILS

Name TVD +N/-S +E/-W Shape
 GGU Swanson 32A-29-691 (TD) 6031.00 162.26 Circle (Radius: 25.00)



CASING DETAILS

TVD MD Name Size
 750.00 750.00 9 5/8" 9-5/8"

FORMATION TOP DETAILS

TVD Path MD Path Formation
 3443.00 3531.31 Mesaverde
 4208.00 4319.60 Price Coal
 4893.00 5007.03 Top Gas
 7003.00 7117.03 Rollins
 7303.00 7417.03 TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well GGU Swanson 32A-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