

Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 11 Pad

GGU Swanson 32D-29-691

Wellbore #1

Survey: Surveys

Standard Survey Report

22 February, 2011



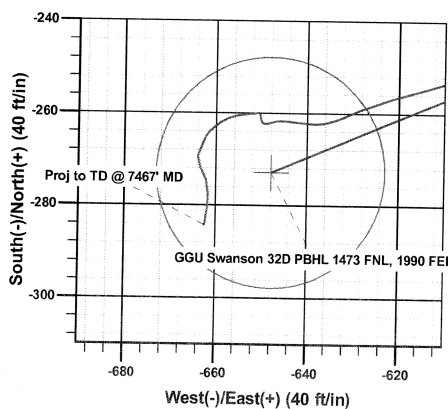
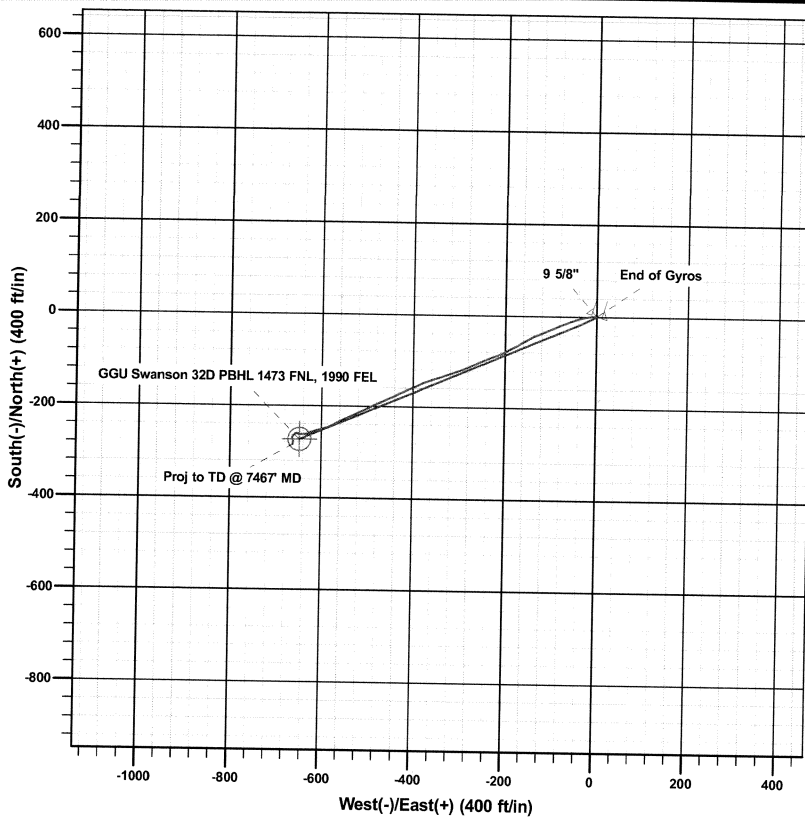
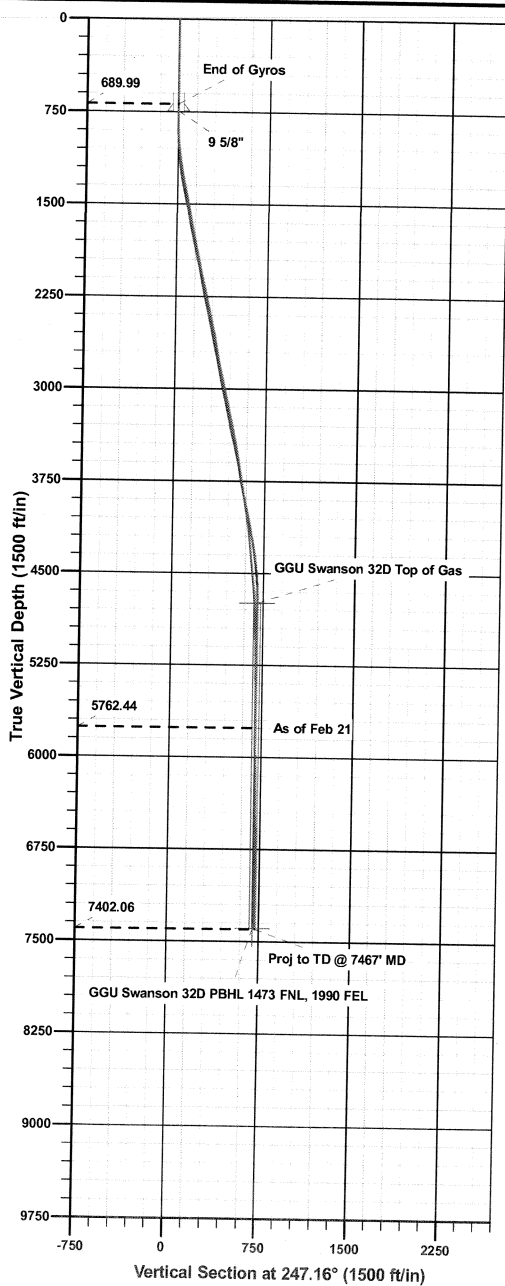


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WELL DETAILS: GGU Swanson 32D-29-691

Ground Level: 6103.90

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1614703.77 2415027.11 39° 30' 10.13 N 107° 34' 23.80 W
 MDP 11 Pad



Azimuths to True North
Magnetic North: 10.20°

Magnetic Field
Strength: 52387.1snT
Dip Angle: 65.85°
Date: 12/21/2010
Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sect	Departure	Annotation
5762.44	5827.00	0.300	244.20	-259.96	-650.62	700.51	709.02	As of Feb 21
7402.06	7467.00	1.100	188.70	-284.28	-662.35	720.77	742.70	Proj to TD @ 7467' MD



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Swanson 32D-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6126.90ft
Site:	MDP 11 Pad	MD Reference:	KB @ 6126.90ft
Well:	GGU Swanson 32D-29-691	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

Project	Garfield County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	MDP 11 Pad				
Site Position:		Northing:	1,614,688.12 usft	Latitude:	39° 30' 9.99 N
From:	Lat/Long	Easting:	2,415,090.26 usft	Longitude:	107° 34' 22.99 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well	GGU Swanson 32D-29-691					
Well Position	+N/-S	0.00 ft	Northing:	1,614,703.76 usft	Latitude:	39° 30' 10.13 N
	+E/-W	0.00 ft	Easting:	2,415,027.11 usft	Longitude:	107° 34' 23.80 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,103.90 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/21/10	10.20	65.85	52,387

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	247.16	

Survey Program	Date	02/22/11			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	690.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
789.00	7,467.00	Surveys (Wellbore #1)	MWD	MWD - Standard	

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)	
690.00	0.190	251.09	689.99	1.35	0.35	-0.85	0.00	0.00	0.00	
746.20	0.206	197.53	746.19	1.23	0.23	-0.69	0.32	0.03	-95.30	
9 5/8"										
789.00	0.300	174.70	788.99	1.04	0.22	-0.61	0.32	0.22	-53.34	
882.00	2.300	281.90	881.97	1.18	-1.58	1.00	2.59	2.15	115.27	
974.00	4.600	267.70	973.80	1.42	-7.08	5.97	2.65	2.50	-15.43	
1,066.00	7.100	262.00	1,065.31	0.48	-16.39	14.92	2.79	2.72	-6.20	
1,158.00	9.100	256.60	1,156.39	-2.00	-29.10	27.60	2.32	2.17	-5.87	
1,250.00	10.600	250.30	1,247.03	-6.54	-44.15	43.23	2.01	1.63	-6.85	
1,346.00	11.200	251.80	1,341.30	-12.43	-61.32	61.33	0.69	0.63	1.56	

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Well:	GGU Swanson 32D-29-691	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

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)	
1,441.00	11.300	245.90	1,434.48	-19.11	-78.58	79.84	1.22	0.11	-6.21	
1,536.00	11.300	246.20	1,527.64	-26.67	-95.59	98.45	0.06	0.00	0.32	
1,631.00	11.300	247.60	1,620.80	-33.97	-112.71	117.06	0.29	0.00	1.47	
1,727.00	11.500	248.30	1,714.90	-41.09	-130.30	136.03	0.25	0.21	0.73	
1,822.00	12.000	240.30	1,807.92	-49.49	-147.68	155.31	1.79	0.53	-8.42	
1,917.00	12.600	238.30	1,900.74	-59.83	-165.07	175.35	0.77	0.63	-2.11	
2,013.00	12.400	244.30	1,994.47	-69.80	-183.27	195.99	1.37	-0.21	6.25	
2,108.00	13.400	242.00	2,087.07	-79.39	-202.18	217.14	1.18	1.05	-2.42	
2,203.00	11.900	249.70	2,179.77	-87.96	-221.09	237.90	2.37	-1.58	8.11	
2,299.00	12.100	249.20	2,273.67	-94.96	-239.78	257.84	0.23	0.21	-0.52	
2,394.00	12.600	246.60	2,366.47	-102.61	-258.60	278.15	0.79	0.53	-2.74	
2,489.00	13.100	245.00	2,459.09	-111.28	-277.86	299.27	0.65	0.53	-1.68	
2,585.00	11.300	249.40	2,552.92	-119.19	-296.53	319.54	2.11	-1.88	4.58	
2,680.00	11.100	251.50	2,646.11	-125.36	-313.91	337.96	0.48	-0.21	2.21	
2,776.00	11.600	251.50	2,740.23	-131.36	-331.83	356.80	0.52	0.52	0.00	
2,871.00	11.800	250.80	2,833.26	-137.58	-350.06	376.02	0.26	0.21	-0.74	
2,966.00	12.500	250.10	2,926.13	-144.28	-368.90	395.98	0.75	0.74	-0.74	
3,062.00	12.000	244.40	3,019.95	-152.13	-387.67	416.32	1.36	-0.52	-5.94	
3,157.00	11.500	246.40	3,112.96	-160.18	-405.26	435.66	0.68	-0.53	2.11	
3,252.00	11.500	243.40	3,206.05	-168.22	-422.40	454.58	0.63	0.00	-3.16	
3,348.00	12.000	245.10	3,300.04	-176.70	-440.01	474.10	0.63	0.52	1.77	
3,443.00	12.000	246.40	3,392.97	-184.81	-458.02	493.84	0.28	0.00	1.37	
3,538.00	11.200	243.60	3,486.02	-192.87	-475.33	512.93	1.03	-0.84	-2.95	
3,634.00	10.500	245.00	3,580.31	-200.71	-491.61	530.97	0.78	-0.73	1.46	
3,729.00	9.900	244.20	3,673.81	-207.93	-506.81	547.78	0.65	-0.63	-0.84	
3,825.00	9.900	244.60	3,768.38	-215.06	-521.69	564.27	0.07	0.00	0.42	
3,920.00	9.500	245.30	3,862.02	-221.84	-536.19	580.26	0.44	-0.42	0.74	
4,015.00	8.700	244.30	3,955.82	-228.23	-549.79	595.27	0.86	-0.84	-1.05	
4,111.00	8.500	243.70	4,050.74	-234.52	-562.69	609.61	0.23	-0.21	-0.63	
4,206.00	7.200	241.70	4,144.85	-240.45	-574.23	622.54	1.40	-1.37	-2.11	
4,301.00	6.200	245.30	4,239.20	-245.42	-584.13	633.60	1.14	-1.05	3.79	
4,397.00	5.800	254.50	4,334.68	-248.88	-593.52	643.59	1.08	-0.42	9.58	
4,492.00	6.500	254.80	4,429.13	-251.58	-603.33	653.68	0.74	0.74	0.32	
4,587.00	5.600	253.70	4,523.60	-254.29	-612.97	663.61	0.96	-0.95	-1.16	
4,683.00	4.800	254.40	4,619.20	-256.68	-621.33	672.25	0.84	-0.83	0.73	
4,778.00	4.300	245.80	4,713.91	-259.21	-628.41	679.75	0.89	-0.53	-9.05	
4,874.00	2.900	250.20	4,809.71	-261.51	-633.98	685.78	1.49	-1.46	4.58	
4,969.00	2.300	271.20	4,904.62	-262.28	-638.15	689.92	1.17	-0.63	22.11	
5,064.00	2.500	277.00	4,999.53	-261.99	-642.11	693.46	0.33	0.21	6.11	
5,160.00	1.200	275.50	5,095.48	-261.64	-645.19	696.16	1.35	-1.35	-1.56	
5,255.00	0.800	253.70	5,190.47	-261.73	-646.81	697.69	0.57	-0.42	-22.95	
5,350.00	0.700	260.40	5,285.46	-262.01	-648.02	698.92	0.14	-0.11	7.05	
5,445.00	0.500	257.10	5,380.45	-262.20	-649.00	699.89	0.21	-0.21	-3.47	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Compass VM

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)
5,547.00	0.400	289.30	5,482.45	-262.18	-649.77	700.59	0.26	-0.10	31.57
5,636.00	0.900	345.90	5,571.45	-261.40	-650.23	700.72	0.85	0.56	63.60
5,731.00	0.500	1.60	5,666.44	-260.26	-650.40	700.43	0.46	-0.42	16.53
5,827.00	0.300	244.20	5,762.44	-259.96	-650.62	700.51	0.72	-0.21	-122.29
5,922.00	0.900	271.80	5,857.43	-260.04	-651.59	701.43	0.68	0.63	29.05
6,017.00	1.500	260.80	5,952.41	-260.22	-653.56	703.32	0.67	0.63	-11.58
6,113.00	1.100	258.70	6,048.39	-260.60	-655.70	705.45	0.42	-0.42	-2.19
6,208.00	1.100	244.80	6,143.37	-261.16	-657.42	707.25	0.28	0.00	-14.63
6,304.00	1.000	239.50	6,239.35	-261.98	-658.98	709.00	0.15	-0.10	-5.52
6,399.00	0.800	221.50	6,334.34	-262.90	-660.13	710.42	0.36	-0.21	-18.95
6,494.00	1.100	232.60	6,429.33	-263.95	-661.30	711.90	0.37	0.32	11.68
6,590.00	0.800	197.80	6,525.32	-265.15	-662.23	713.23	0.66	-0.31	-36.25
6,685.00	0.600	205.80	6,620.31	-266.23	-662.65	714.03	0.23	-0.21	8.42
6,781.00	1.000	198.30	6,716.30	-267.47	-663.13	714.96	0.43	0.42	-7.81
6,876.00	1.400	202.70	6,811.28	-269.33	-663.84	716.34	0.43	0.42	4.63
6,971.00	1.900	144.80	6,906.24	-271.69	-663.38	716.83	1.74	0.53	-60.95
7,067.00	1.900	166.10	7,002.19	-274.54	-662.08	716.73	0.73	0.00	22.19
7,162.00	1.900	177.40	7,097.14	-277.64	-661.63	717.52	0.39	0.00	11.89
7,258.00	1.500	188.50	7,193.10	-280.47	-661.75	718.73	0.54	-0.42	11.56
7,353.00	0.900	189.80	7,288.08	-282.43	-662.06	719.78	0.63	-0.63	1.37
7,420.00	0.900	188.70	7,355.07	-283.47	-662.23	720.34	0.03	0.00	-1.64
7,467.00	1.100	188.70	7,402.06	-284.28	-662.35	720.77	0.43	0.43	0.00

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)	
746.20	746.19	9 5/8"	0.80	1.02	

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,827.00	5,762.44	-259.96	-650.62	As of Feb 21
7,467.00	7,402.06	-284.28	-662.35	Proj to TD @ 7467' MD

Checked By: _____ Approved By: _____ Date: _____