



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 3 Pad

GGU Barge Federal 32B-32-691

Wellbore #1

Survey: Surveys

Standard Survey Report

11 October, 2010

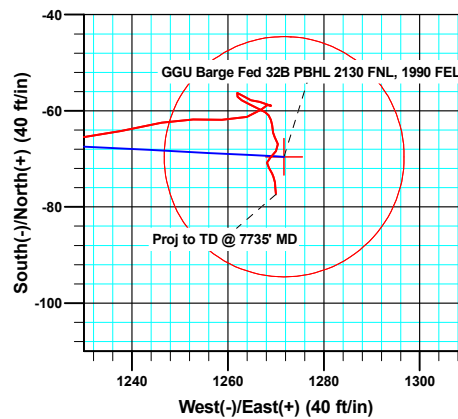
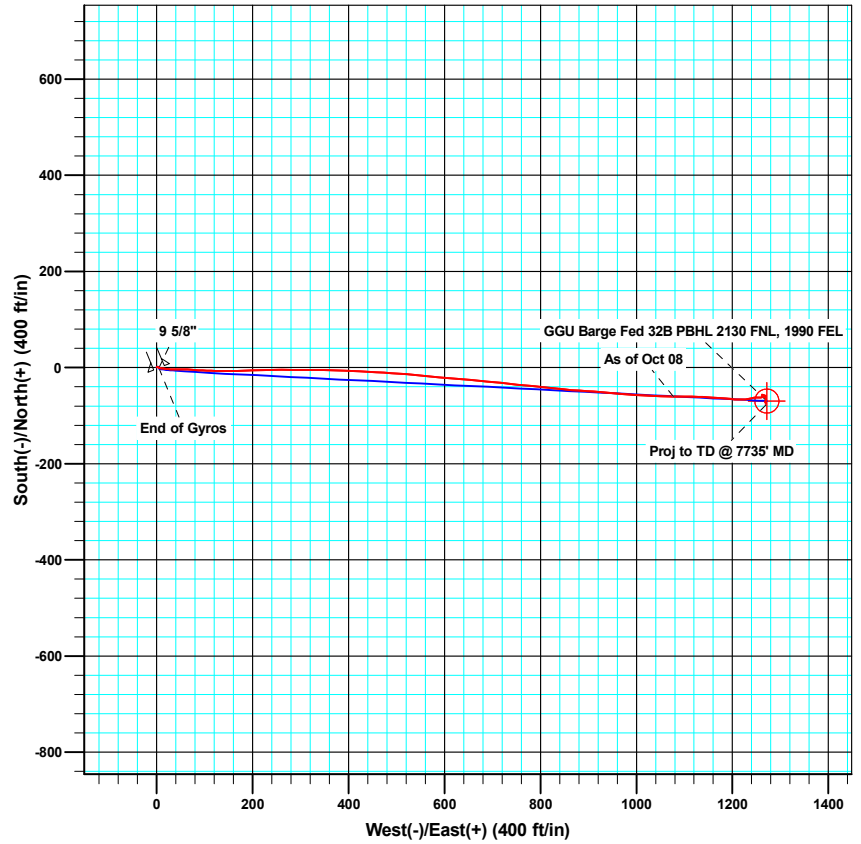
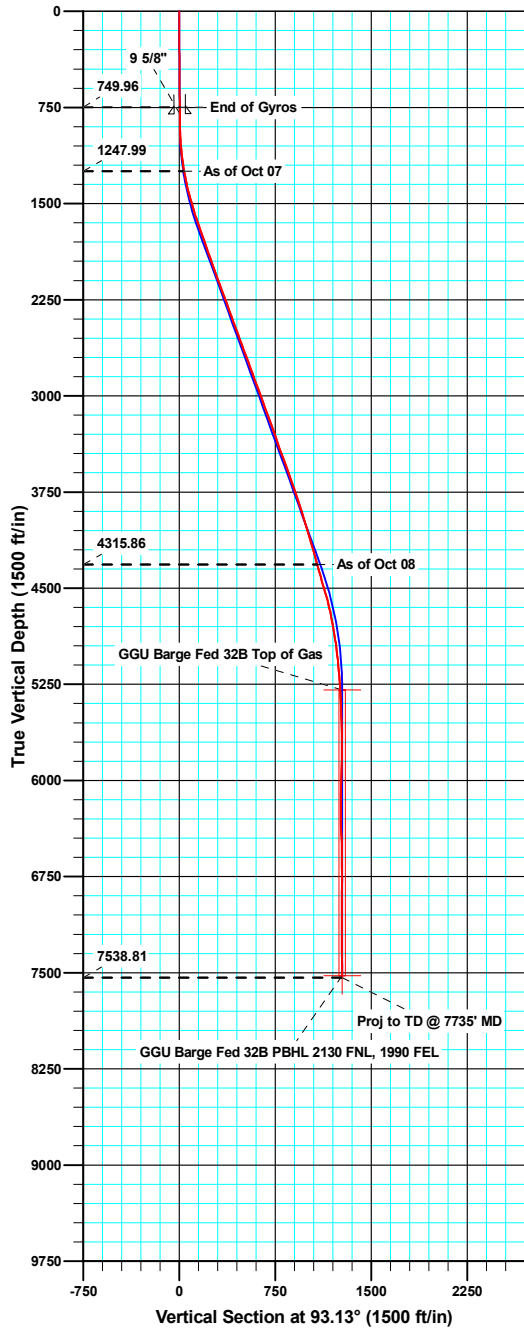




WELL DETAILS: GGU Barge Federal 32B-32-691

Ground Level: 6371.00

North American Datum 1983	US State Plane 1983		Colorado Central Zone		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1608620.14	2413049.53	39° 29' 9.57 N	107° 34' 47.25 W



Azimuths to True North
 Magnetic North: 10.24°

 Magnetic Field
 Strength: 52406.5snT
 Dip Angle: 65.84°
 Date: 08/26/2010
 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
1247.99	1250.00	10.10	90.70	-3.96	38.48	38.64	34.52	As of Oct 07
4315.86	4492.00	16.30	89.50	-60.17	1076.86	1078.53	1075.38	As of Oct 08
7538.81	7735.00	1.60	176.50	-77.35	1270.02	1272.35	1305.43	Proj to TD @ 7735' MD



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Barge Federal 32B-32-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6393.00ft
Site:	MDP 3 Pad	MD Reference:	KB @ 6393.00ft
Well:	GGU Barge Federal 32B-32-691	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 3 Pad				
Site Position:		Northing:	1,608,618.77 usft	Latitude:	39° 29' 9.55 N
From:	Lat/Long	Easting:	2,413,031.56 usft	Longitude:	107° 34' 47.48 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well	GGU Barge Federal 32B-32-691					
Well Position	+N/-S	0.00 ft	Northing:	1,608,620.13 usft	Latitude:	39° 29' 9.57 N
	+E/-W	0.00 ft	Easting:	2,413,049.53 usft	Longitude:	107° 34' 47.25 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,371.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	08/26/10	10.24	65.84	52,406

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	93.13	

Survey Program	Date	10/11/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	750.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
881.00	7,735.00	Surveys (Wellbore #1)	MWD	MWD - Standard	

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)	
750.00	0.53	185.90	749.96	-0.46	4.92	4.94	0.00	0.00	0.00	
800.00	0.28	158.25	799.96	-0.81	4.94	4.98	0.62	-0.51	-55.30	
9 5/8"										
881.00	0.40	63.20	880.96	-0.86	5.27	5.30	0.62	0.15	-117.35	
973.00	2.70	101.60	972.92	-1.15	7.68	7.73	2.61	2.50	41.74	
1,066.00	5.20	97.00	1,065.70	-2.10	14.00	14.10	2.71	2.69	-4.95	
1,158.00	7.70	95.80	1,157.11	-3.24	24.28	24.42	2.72	2.72	-1.30	
1,250.00	10.10	90.70	1,247.99	-3.96	38.48	38.64	2.74	2.61	-5.54	
1,345.00	12.40	89.90	1,341.16	-4.04	57.01	57.14	2.43	2.42	-0.84	
1,441.00	14.60	94.40	1,434.51	-4.95	79.38	79.53	2.54	2.29	4.69	

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Well:	GGU Barge Federal 32B-32-691	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)	
1,536.00	16.50	91.50	1,526.03	-6.22	104.81	104.99	2.16	2.00	-3.05	
1,632.00	18.80	90.50	1,617.50	-6.72	133.91	134.08	2.42	2.40	-1.04	
1,727.00	20.40	89.40	1,706.99	-6.68	165.78	165.89	1.73	1.68	-1.16	
1,822.00	19.60	87.80	1,796.26	-5.89	198.25	198.28	1.02	-0.84	-1.68	
1,918.00	18.10	88.20	1,887.11	-4.80	229.25	229.17	1.57	-1.56	0.42	
2,013.00	20.00	90.70	1,976.91	-4.54	260.25	260.11	2.18	2.00	2.63	
2,108.00	19.20	91.00	2,066.40	-5.01	292.11	291.95	0.85	-0.84	0.32	
2,204.00	21.20	89.40	2,156.49	-5.10	325.26	325.05	2.16	2.08	-1.67	
2,394.00	19.40	92.70	2,334.69	-6.23	391.14	390.89	1.12	-0.95	1.74	
2,489.00	20.80	93.00	2,423.90	-7.86	423.74	423.54	1.48	1.47	0.32	
2,584.00	20.30	92.80	2,512.86	-9.54	457.05	456.89	0.53	-0.53	-0.21	
2,680.00	19.20	94.10	2,603.21	-11.49	489.43	489.32	1.23	-1.15	1.35	
2,775.00	21.10	94.90	2,692.39	-14.06	522.05	522.04	2.02	2.00	0.84	
2,871.00	20.00	95.60	2,782.28	-17.14	555.61	555.71	1.17	-1.15	0.73	
2,966.00	21.20	95.10	2,871.20	-20.26	588.88	589.11	1.28	1.26	-0.53	
3,061.00	20.30	94.00	2,960.04	-22.93	622.43	622.76	1.03	-0.95	-1.16	
3,157.00	20.10	96.10	3,050.14	-25.85	655.45	655.88	0.78	-0.21	2.19	
3,252.00	19.00	95.40	3,139.66	-29.04	687.08	687.64	1.18	-1.16	-0.74	
3,347.00	20.00	95.60	3,229.21	-32.08	718.64	719.32	1.05	1.05	0.21	
3,443.00	20.20	96.10	3,319.36	-35.44	751.46	752.28	0.27	0.21	0.52	
3,538.00	19.30	94.40	3,408.78	-38.39	783.42	784.35	1.12	-0.95	-1.79	
3,634.00	19.70	96.40	3,499.27	-41.41	815.32	816.37	0.81	0.42	2.08	
3,729.00	20.60	96.20	3,588.45	-45.00	847.85	849.04	0.95	0.95	-0.21	
3,824.00	19.50	93.40	3,677.70	-47.74	880.29	881.59	1.54	-1.16	-2.95	
3,920.00	18.10	95.10	3,768.57	-50.02	911.14	912.52	1.57	-1.46	1.77	
4,015.00	18.60	94.20	3,858.74	-52.44	940.95	942.41	0.60	0.53	-0.95	
4,110.00	17.10	94.60	3,949.17	-54.67	969.99	971.52	1.58	-1.58	0.42	
4,205.00	16.30	94.40	4,040.16	-56.81	997.20	998.82	0.84	-0.84	-0.21	
4,301.00	15.80	92.50	4,132.42	-58.42	1,023.69	1,025.35	0.76	-0.52	-1.98	
4,396.00	16.30	92.80	4,223.72	-59.63	1,049.93	1,051.62	0.53	0.53	0.32	
4,492.00	16.30	89.50	4,315.86	-60.17	1,076.86	1,078.53	0.96	0.00	-3.44	
4,587.00	15.30	90.70	4,407.27	-60.21	1,102.72	1,104.36	1.11	-1.05	1.26	
4,682.00	17.00	91.90	4,498.52	-60.82	1,129.14	1,130.77	1.82	1.79	1.26	
4,778.00	14.90	94.00	4,590.82	-62.15	1,155.48	1,157.15	2.27	-2.19	2.19	
4,873.00	11.90	93.90	4,683.22	-63.67	1,177.44	1,179.16	3.16	-3.16	-0.11	
4,969.00	10.40	95.10	4,777.40	-65.11	1,195.94	1,197.72	1.58	-1.56	1.25	
5,064.00	9.50	92.40	4,870.98	-66.20	1,212.32	1,214.13	1.07	-0.95	-2.84	
5,163.00	7.30	84.70	4,968.91	-65.96	1,226.75	1,228.52	2.49	-2.22	-7.78	
5,259.00	6.10	76.20	5,064.26	-64.18	1,237.77	1,239.43	1.62	-1.25	-8.85	
5,354.00	4.30	81.80	5,158.86	-62.47	1,246.20	1,247.75	1.97	-1.89	5.89	
5,449.00	3.70	86.30	5,253.63	-61.77	1,252.79	1,254.29	0.71	-0.63	4.74	
5,545.00	3.50	94.90	5,349.44	-61.82	1,258.80	1,260.29	0.60	-0.21	8.96	
5,640.00	2.90	70.80	5,444.30	-61.27	1,263.96	1,265.42	1.54	-0.63	-25.37	

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

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)
5,735.00	1.30	42.90	5,539.23	-59.69	1,266.96	1,268.33	1.95	-1.68	-29.37
5,831.00	0.70	78.10	5,635.22	-58.78	1,268.27	1,269.59	0.87	-0.63	36.67
5,926.00	0.40	141.60	5,730.21	-58.92	1,269.05	1,270.37	0.67	-0.32	66.84
6,022.00	1.20	298.10	5,826.21	-58.70	1,268.37	1,269.68	1.64	0.83	163.02
6,114.00	1.10	278.10	5,918.19	-58.13	1,266.64	1,267.93	0.45	-0.11	-21.74
6,209.00	1.10	284.20	6,013.17	-57.77	1,264.86	1,266.13	0.12	0.00	6.42
6,305.00	1.20	311.00	6,109.15	-56.89	1,263.21	1,264.43	0.56	0.10	27.92
6,400.00	0.60	265.00	6,204.14	-56.28	1,261.96	1,263.15	0.94	-0.63	-48.42
6,495.00	1.10	143.50	6,299.14	-57.06	1,262.01	1,263.24	1.58	0.53	-127.89
6,591.00	2.50	113.40	6,395.09	-58.63	1,264.48	1,265.79	1.71	1.46	-31.35
6,686.00	1.90	120.40	6,490.02	-60.25	1,267.74	1,269.13	0.69	-0.63	7.37
6,781.00	2.30	176.60	6,584.96	-62.95	1,269.21	1,270.75	2.11	0.42	59.16
6,877.00	0.90	143.60	6,680.93	-65.48	1,269.77	1,271.45	1.69	-1.46	-34.38
6,972.00	1.00	165.50	6,775.91	-66.88	1,270.42	1,272.18	0.39	0.11	23.05
7,067.00	1.10	219.30	6,870.90	-68.39	1,270.05	1,271.89	1.00	0.11	56.63
7,163.00	1.10	225.20	6,966.88	-69.75	1,268.81	1,270.73	0.12	0.00	6.15
7,258.00	0.40	180.20	7,061.87	-70.73	1,268.16	1,270.13	0.91	-0.74	-47.37
7,353.00	1.10	151.60	7,156.86	-71.86	1,268.60	1,270.63	0.81	0.74	-30.11
7,449.00	0.50	155.50	7,252.85	-73.05	1,269.21	1,271.30	0.63	-0.63	4.06
7,544.00	0.40	150.00	7,347.85	-73.72	1,269.55	1,271.68	0.11	-0.11	-5.79
7,640.00	1.10	172.30	7,443.84	-74.92	1,269.84	1,272.03	0.78	0.73	23.23
7,688.00	1.60	176.50	7,491.83	-76.04	1,269.94	1,272.20	1.06	1.04	8.75
7,735.00	1.60	176.50	7,538.81	-77.35	1,270.02	1,272.35	0.00	0.00	0.00

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)
800.00	799.96	9 5/8"	0.80	1.02

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	Comment	
		+N/-S (ft)	+E/-W (ft)	
1,250.00	1,247.99	-3.96	38.48	As of Oct 07
4,492.00	4,315.86	-60.17	1,076.86	As of Oct 08
7,735.00	7,538.81	-77.35	1,270.02	Proj to TD @ 7735' MD

Checked By: _____ Approved By: _____ Date: _____