



Bill Barrett Corporation

Bill Barrett Corp.

Garfield County, Colorado

MDP 15 Pad

GGU Federal 43B-29-691

Wellbore #1

Survey: Surveys

Standard Survey Report

05 October, 2010

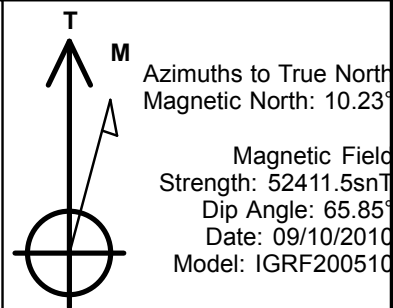
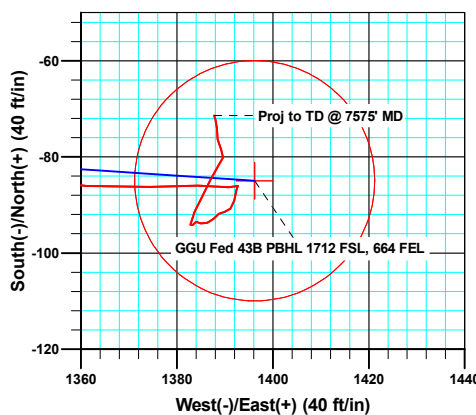
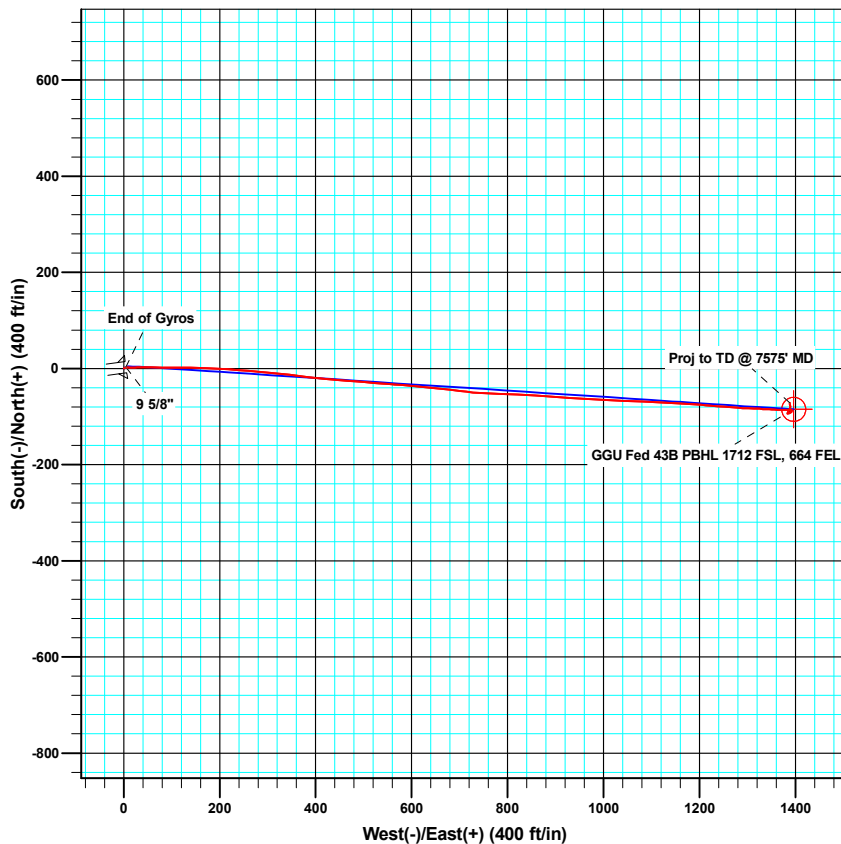
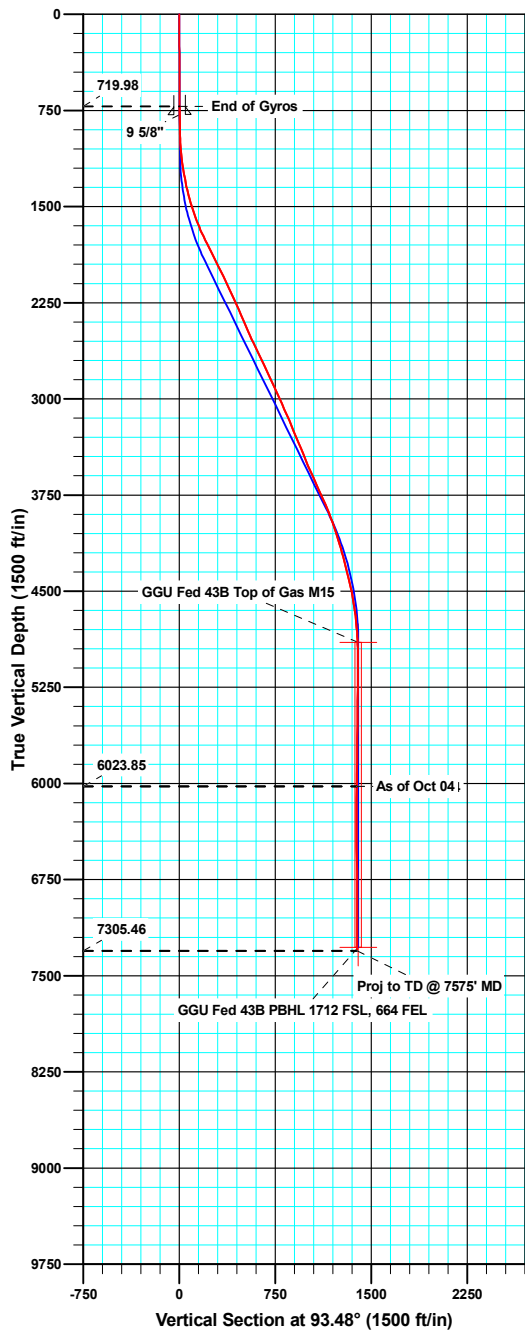




WELL DETAILS: GGU Federal 43B-29-691

Ground Level: 6030.20

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1612475.18 2414291.16 39° 29' 47.94 N 107° 34' 32.54 W



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
6023.85	6293.00	0.40	357.80	-93.69	1384.55	1387.68	1407.77	As of Oct 04
7305.46	7575.00	1.00	340.40	-71.40	1387.77	1389.55	1437.13	Proj to TD @ 7575' MD

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well GGU Federal 43B-29-691
Project:	Garfield County, Colorado	TVD Reference:	KB @ 6053.20ft
Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 43B-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 15 Pad			
Site Position:		Northing:	1,612,474.12 usft	Latitude:	39° 29' 47.92 N
From:	Lat/Long	Easting:	2,414,257.84 usft	Longitude:	107° 34' 32.97 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	-1.31 °

Well	GGU Federal 43B-29-691					
Well Position	+N/-S	0.00 ft	Northing:	1,612,475.17 usft	Latitude:	39° 29' 47.94 N
	+E/-W	0.00 ft	Easting:	2,414,291.17 usft	Longitude:	107° 34' 32.54 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,030.20 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	09/10/10	10.24	65.85	52,411

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	93.48	

Survey Program	Date	10/05/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.00	720.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
876.00	7,575.00	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)	
720.00	0.44	63.22	719.98	2.83	4.13	3.95	0.00	0.00	0.00	
784.50	0.24	81.90	784.48	2.96	4.49	4.30	0.35	-0.31	28.96	
9 5/8"										
876.00	0.20	173.80	875.98	2.83	4.70	4.52	0.35	-0.05	100.44	
968.00	2.60	95.50	967.95	2.47	6.79	6.63	2.79	2.61	-85.11	
1,063.00	4.90	94.30	1,062.74	1.96	12.98	12.84	2.42	2.42	-1.26	
1,158.00	7.80	85.50	1,157.15	2.16	23.46	23.28	3.21	3.05	-9.26	
1,253.00	10.20	89.00	1,250.97	2.81	38.30	38.06	2.59	2.53	3.68	
1,348.00	12.20	93.80	1,344.16	2.29	56.73	56.48	2.32	2.11	5.05	
1,444.00	15.60	89.50	1,437.34	1.73	79.76	79.51	3.70	3.54	-4.48	

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Site:	MDP 15 Pad	MD Reference:	KB @ 6053.20ft
Well:	GGU Federal 43B-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)	
1,539.00	18.50	90.30	1,528.15	1.76	107.61	107.31	3.06	3.05	0.84	
1,633.00	20.90	90.60	1,616.64	1.51	139.30	138.95	2.56	2.55	0.32	
1,729.00	24.40	92.50	1,705.23	0.47	176.24	175.89	3.72	3.65	1.98	
1,824.00	27.00	93.20	1,790.82	-1.59	217.38	217.08	2.76	2.74	0.74	
1,919.00	26.50	95.90	1,875.66	-4.98	260.00	259.82	1.38	-0.53	2.84	
2,014.00	26.80	94.60	1,960.57	-8.87	302.43	302.41	0.69	0.32	-1.37	
2,109.00	26.00	96.70	2,045.66	-13.02	344.46	344.61	1.29	-0.84	2.21	
2,204.00	25.20	97.60	2,131.33	-18.12	385.19	385.58	0.94	-0.84	0.95	
2,299.00	24.50	94.80	2,217.54	-22.45	424.86	425.44	1.44	-0.74	-2.95	
2,394.00	24.30	93.50	2,304.06	-25.29	464.00	464.68	0.60	-0.21	-1.37	
2,489.00	22.80	95.80	2,391.14	-28.34	501.83	502.62	1.85	-1.58	2.42	
2,584.00	23.60	93.60	2,478.46	-31.40	539.12	540.03	1.24	0.84	-2.32	
2,679.00	25.90	94.80	2,564.73	-34.33	578.78	579.80	2.48	2.42	1.26	
2,774.00	25.40	95.60	2,650.37	-38.05	619.74	620.90	0.64	-0.53	0.84	
2,870.00	25.10	95.50	2,737.20	-42.01	660.49	661.83	0.32	-0.31	-0.10	
2,965.00	25.50	98.20	2,823.09	-46.86	700.79	702.34	1.29	0.42	2.84	
3,060.00	25.00	93.30	2,909.02	-50.93	741.08	742.80	2.26	-0.53	-5.16	
3,155.00	24.80	91.90	2,995.19	-52.75	781.03	782.79	0.66	-0.21	-1.47	
3,250.00	23.70	92.60	3,081.81	-54.28	820.02	821.80	1.20	-1.16	0.74	
3,345.00	23.10	94.00	3,168.99	-56.44	857.68	859.53	0.86	-0.63	1.47	
3,440.00	22.30	93.70	3,256.63	-58.91	894.26	896.19	0.85	-0.84	-0.32	
3,535.00	23.10	93.60	3,344.27	-61.24	930.85	932.85	0.84	0.84	-0.11	
3,631.00	21.60	93.00	3,433.06	-63.35	967.29	969.35	1.58	-1.56	-0.63	
3,726.00	23.30	93.00	3,520.86	-65.24	1,003.52	1,005.63	1.79	1.79	0.00	
3,821.00	24.90	92.50	3,607.57	-67.10	1,042.26	1,044.42	1.70	1.68	-0.53	
3,916.00	24.80	92.90	3,693.78	-68.98	1,082.14	1,084.33	0.21	-0.11	0.42	
4,011.00	23.90	92.90	3,780.32	-70.96	1,121.26	1,123.50	0.95	-0.95	0.00	
4,106.00	22.30	93.30	3,867.71	-72.97	1,158.48	1,160.77	1.69	-1.68	0.42	
4,201.00	20.00	93.40	3,956.30	-74.98	1,192.69	1,195.05	2.42	-2.42	0.11	
4,296.00	17.80	95.60	4,046.17	-77.36	1,223.37	1,225.81	2.43	-2.32	2.32	
4,390.00	17.10	93.20	4,135.85	-79.53	1,251.47	1,253.99	1.07	-0.74	-2.55	
4,486.00	14.80	96.00	4,228.15	-81.60	1,277.76	1,280.35	2.53	-2.40	2.92	
4,581.00	14.40	90.20	4,320.08	-82.91	1,301.64	1,304.27	1.59	-0.42	-6.11	
4,676.00	13.50	94.20	4,412.28	-83.76	1,324.51	1,327.15	1.39	-0.95	4.21	
4,772.00	11.00	92.40	4,506.09	-84.97	1,344.84	1,347.52	2.63	-2.60	-1.88	
4,867.00	8.80	95.20	4,599.67	-86.00	1,361.13	1,363.84	2.37	-2.32	2.95	
4,962.00	7.20	85.60	4,693.75	-86.21	1,374.31	1,377.01	2.19	-1.68	-10.11	
5,057.00	5.10	93.10	4,788.20	-85.98	1,384.46	1,387.13	2.36	-2.21	7.89	
5,152.00	2.50	92.50	4,882.98	-86.30	1,390.75	1,393.42	2.74	-2.74	-0.63	
5,247.00	0.40	355.20	4,977.95	-86.06	1,392.79	1,395.45	2.72	-2.21	-102.42	
5,342.00	0.40	180.00	5,072.95	-86.06	1,392.76	1,395.42	0.84	0.00	-184.42	
5,437.00	0.20	268.10	5,167.95	-86.40	1,392.60	1,395.27	0.46	-0.21	92.74	
5,532.00	0.90	187.30	5,262.94	-87.14	1,392.34	1,395.06	0.94	0.74	-85.05	

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5,627.00	1.50	192.40	5,357.92	-89.10	1,391.97	1,394.82	0.64	0.63	5.37	
5,722.00	0.90	231.70	5,452.90	-90.77	1,391.12	1,394.07	1.04	-0.63	41.37	
5,817.00	0.70	250.20	5,547.89	-91.43	1,389.99	1,392.98	0.34	-0.21	19.47	
5,912.00	0.90	253.70	5,642.88	-91.84	1,388.73	1,391.74	0.22	0.21	3.68	
6,007.00	1.10	203.20	5,737.87	-92.88	1,387.65	1,390.73	0.92	0.21	-53.16	
6,102.00	1.10	274.20	5,832.86	-93.66	1,386.38	1,389.51	1.34	0.00	74.74	
6,198.00	0.60	244.60	5,928.85	-93.80	1,385.01	1,388.15	0.68	-0.52	-30.83	
6,293.00	0.40	357.80	6,023.85	-93.69	1,384.55	1,387.68	0.89	-0.21	119.16	
6,388.00	0.40	232.10	6,118.84	-93.56	1,384.27	1,387.40	0.75	0.00	-132.32	
6,483.00	0.30	339.90	6,213.84	-93.53	1,383.93	1,387.05	0.60	-0.11	113.47	
6,578.00	1.20	212.60	6,308.84	-94.13	1,383.31	1,386.47	1.48	0.95	-134.00	
6,673.00	1.10	4.40	6,403.83	-94.06	1,382.84	1,386.00	2.35	-0.11	159.79	
6,768.00	2.30	24.80	6,498.79	-91.42	1,383.71	1,386.71	1.40	1.26	21.47	
6,863.00	2.00	27.90	6,593.72	-88.23	1,385.29	1,388.09	0.34	-0.32	3.26	
6,959.00	2.50	24.90	6,689.65	-84.85	1,386.95	1,389.54	0.53	0.52	-3.13	
7,054.00	1.50	35.60	6,784.59	-81.96	1,388.55	1,390.96	1.12	-1.05	11.26	
7,149.00	1.10	21.80	6,879.56	-80.10	1,389.61	1,391.91	0.53	-0.42	-14.53	
7,244.00	1.30	321.30	6,974.55	-78.41	1,389.27	1,391.47	1.29	0.21	-63.68	
7,339.00	1.50	355.40	7,069.52	-76.33	1,388.50	1,390.57	0.89	0.21	35.89	
7,434.00	1.30	357.80	7,164.49	-74.01	1,388.36	1,390.29	0.22	-0.21	2.53	
7,530.00	1.00	340.40	7,260.47	-72.14	1,388.04	1,389.86	0.48	-0.31	-18.13	
7,575.00	1.00	340.40	7,305.46	-71.40	1,387.77	1,389.55	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (ft)	Hole Diameter (ft)
784.50	784.48	9 5/8"		0.80	1.02

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
6,293.00	6,023.85	-93.69	1,384.55	As of Oct 04	
7,575.00	7,305.46	-71.40	1,387.77	Proj to TD @ 7575' MD	

Checked By: _____	Approved By: _____	Date: _____
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