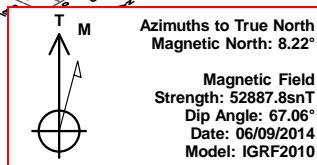
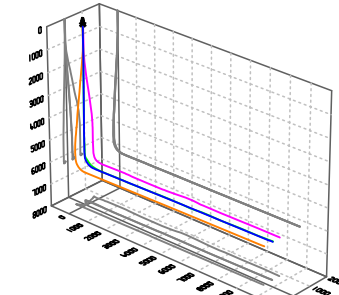




Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.34-T6N-R62W
Well: Fiducial 6-62-34-1724BH2
Wellbore: Wellbore #1
Design: Design #2
Lat: 40° 26' 44.520 N
Long: 104° 19' 2.381 W
Pad GL: 4710.00
KB: WELL @ 4732.00usft (Original Well Elev)

Archer



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeCT	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
1287.53	5.81	311.27	1286.86	12.95	-14.76	1.50	311.27	-14.63	Start 3733.01 hold at 1287.53 MD
5020.54	5.81	311.27	5000.68	262.33	-298.95	0.00	0.00	-296.18	Start Drop -1.50
5408.06	0.00	0.00	5387.54	275.28	-313.71	1.50	180.00	-310.81	Start 500.00 hold at 5408.06 MD
5908.06	0.00	0.00	5887.54	275.28	-313.71	0.00	0.00	-310.81	Start Build 12.00
6660.84	90.33	89.40	6365.00	280.31	166.51	12.00	89.40	169.44	Start 9443.95 hold at 6660.84 MD
16104.79	90.33	89.40	6310.00	379.29	9609.78	0.00	0.00	9613.22	TD at 16104.79

WELL DETAILS: Fiducial 6-62-34-1724BH2

+N/-S	+E/-W	Northing	Ground Level: Easting	4710.00 Latitude	Longitude	Slot
0.00	0.00	1407403.865	3329154.598	40° 26' 44.520 N	104° 19' 2.381 W	

PROJECT DETAILS: Weld Co., CO

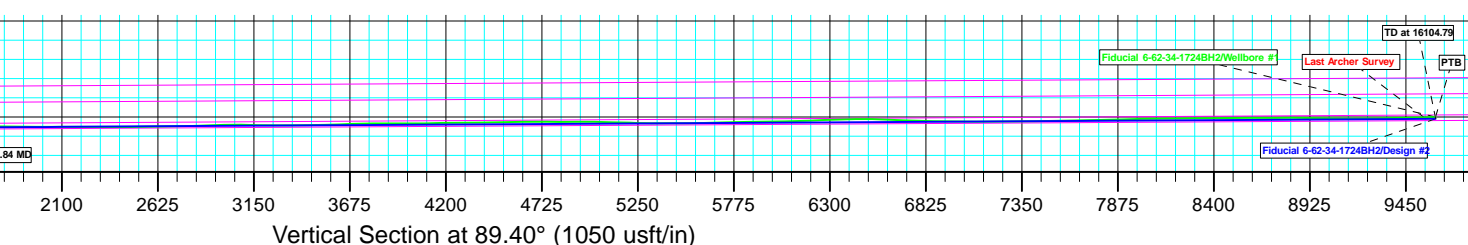
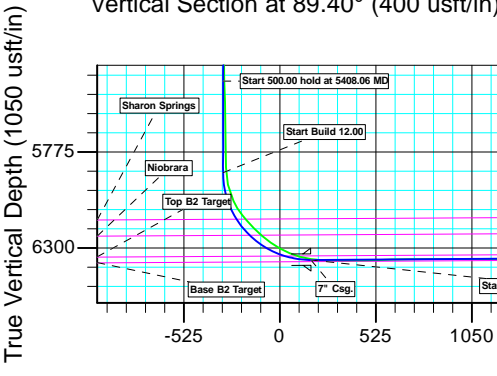
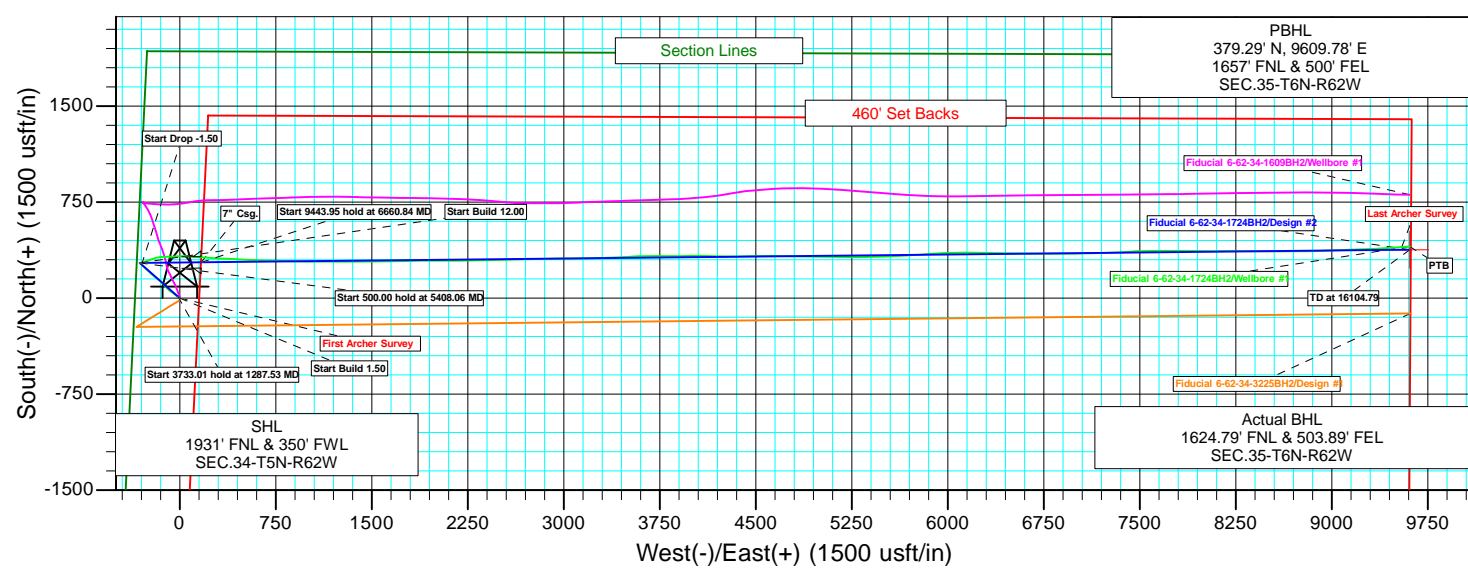
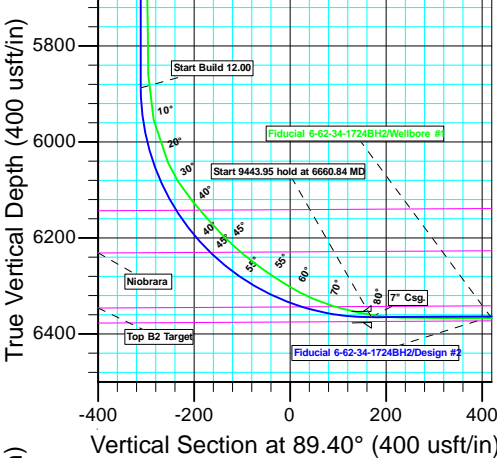
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name
6365.00	6660.84	7" Csg.

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
Fiducial 6-62-34-1724BH2 tgt	6310.00	379.29	9609.78	40° 26' 48.250 N	104° 16' 58.080 W	



Plan: Design #2 (Fiducial 6-62-34-1724BH2/Wellbore #1)

Created By: Ricky Osburn Date: 10:05, July 22 2014



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.34-T6N-R62W

Fiducial 6-62-34-1724BH2

Wellbore #1

Survey: Survey #1

Standard Survey Report

15 July, 2014

Archer

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Fiducial 6-62-34-1724BH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4732.00usft (Original Well Elev)
Site:	Sec.34-T6N-R62W	MD Reference:	WELL @ 4732.00usft (Original Well Elev)
Well:	Fiducial 6-62-34-1724BH2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Project	Weld Co., CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec.34-T6N-R62W			
Site Position:		Northing:	1,407,388.563 usft	Latitude:	40° 26' 44.369 N
From:	Lat/Long	Easting:	3,329,153.968 usft	Longitude:	104° 19' 2.392 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.76 °

Well		Fiducial 6-62-34-1724BH2				
Well Position	+N/-S	0.00 usft	Northing:	1,407,403.865 usft	Latitude:	40° 26' 44.520 N
	+E/-W	0.00 usft	Easting:	3,329,154.598 usft	Longitude:	104° 19' 2.381 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,710.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/09/14	8.22	67.06	52,888

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	89.40	

Survey Program	Date	07/15/14			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
800.00	16,070.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First Archer Survey									
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
973.00	1.40	349.90	972.98	2.08	-0.37	-0.35	0.81	0.81	0.00
1,065.00	2.30	298.50	1,064.94	4.07	-2.19	-2.15	1.95	0.98	-55.87
1,157.00	4.20	298.90	1,156.79	6.58	-6.76	-6.69	2.07	2.07	0.43
1,249.00	5.70	296.90	1,248.44	10.27	-13.79	-13.68	1.64	1.63	-2.17
1,341.00	7.00	308.60	1,339.88	15.84	-22.24	-22.08	1.99	1.41	12.72
1,433.00	7.10	310.40	1,431.18	23.02	-30.95	-30.71	0.26	0.11	1.96
1,525.00	6.80	309.20	1,522.51	30.15	-39.50	-39.19	0.36	-0.33	-1.30
1,617.00	6.60	307.60	1,613.88	36.82	-47.91	-47.53	0.30	-0.22	-1.74
1,709.00	6.40	304.30	1,705.29	42.93	-56.34	-55.89	0.46	-0.22	-3.59
1,800.00	6.40	302.60	1,795.72	48.52	-64.80	-64.29	0.21	0.00	-1.87

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Fiducial 6-62-34-1724BH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4732.00usft (Original Well Elev)
Site:	Sec.34-T6N-R62W	MD Reference:	WELL @ 4732.00usft (Original Well Elev)
Well:	Fiducial 6-62-34-1724BH2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,892.00	6.80	308.20	1,887.11	54.65	-73.40	-72.83	0.82	0.43	6.09	
1,987.00	6.90	307.20	1,981.43	61.58	-82.37	-81.72	0.16	0.11	-1.05	
2,081.00	7.20	315.70	2,074.73	69.21	-90.98	-90.25	1.15	0.32	9.04	
2,176.00	7.20	316.20	2,168.98	77.77	-99.26	-98.44	0.07	0.00	0.53	
2,271.00	7.20	317.00	2,263.23	86.42	-107.44	-106.53	0.11	0.00	0.84	
2,367.00	7.00	317.70	2,358.49	95.15	-115.48	-114.48	0.23	-0.21	0.73	
2,462.00	7.10	317.90	2,452.77	103.78	-123.31	-122.22	0.11	0.11	0.21	
2,557.00	7.10	318.40	2,547.04	112.53	-131.14	-129.96	0.07	0.00	0.53	
2,652.00	7.00	319.30	2,641.33	121.31	-138.82	-137.54	0.16	-0.11	0.95	
2,747.00	6.30	310.40	2,735.69	129.08	-146.56	-145.20	1.31	-0.74	-9.37	
2,842.00	6.20	309.20	2,830.12	135.70	-154.51	-153.08	0.17	-0.11	-1.26	
2,937.00	6.30	309.30	2,924.56	142.24	-162.52	-161.02	0.11	0.11	0.11	
3,031.00	6.10	308.80	3,018.01	148.64	-170.40	-168.83	0.22	-0.21	-0.53	
3,126.00	6.00	307.10	3,112.48	154.80	-178.29	-176.66	0.22	-0.11	-1.79	
3,221.00	5.70	307.40	3,206.99	160.66	-186.00	-184.31	0.32	-0.32	0.32	
3,316.00	5.50	308.00	3,301.53	166.32	-193.34	-191.58	0.22	-0.21	0.63	
3,411.00	5.20	307.30	3,396.12	171.74	-200.35	-198.54	0.32	-0.32	-0.74	
3,506.00	4.80	304.90	3,490.76	176.62	-207.03	-205.17	0.48	-0.42	-2.53	
3,600.00	5.50	310.60	3,584.38	181.80	-213.68	-211.76	0.92	0.74	6.06	
3,695.00	5.70	312.90	3,678.92	187.97	-220.59	-218.61	0.32	0.21	2.42	
3,790.00	5.60	313.20	3,773.46	194.36	-227.43	-225.38	0.11	-0.11	0.32	
3,884.00	5.50	312.80	3,867.02	200.56	-234.07	-231.96	0.11	-0.11	-0.43	
3,979.00	5.60	313.60	3,961.58	206.85	-240.77	-238.59	0.13	0.11	0.84	
4,074.00	5.30	313.60	4,056.15	213.07	-247.31	-245.06	0.32	-0.32	0.00	
4,169.00	5.10	314.70	4,150.76	219.07	-253.48	-251.18	0.24	-0.21	1.16	
4,264.00	5.00	312.20	4,245.39	224.82	-259.55	-257.18	0.25	-0.11	-2.63	
4,359.00	4.70	313.50	4,340.05	230.28	-265.44	-263.02	0.34	-0.32	1.37	
4,454.00	4.50	312.20	4,434.74	235.46	-271.03	-268.55	0.24	-0.21	-1.37	
4,549.00	4.40	313.60	4,529.46	240.48	-276.43	-273.89	0.16	-0.11	1.47	
4,644.00	4.20	311.90	4,624.19	245.31	-281.66	-279.07	0.25	-0.21	-1.79	
4,739.00	3.80	310.30	4,718.96	249.67	-286.65	-284.02	0.44	-0.42	-1.68	
4,833.00	3.70	313.60	4,812.76	253.78	-291.22	-288.54	0.25	-0.11	3.51	
4,929.00	3.70	315.30	4,908.56	258.12	-295.64	-292.92	0.11	0.00	1.77	
5,024.00	3.30	316.10	5,003.38	262.27	-299.69	-296.93	0.42	-0.42	0.84	
5,118.00	2.90	317.00	5,097.24	265.95	-303.19	-300.39	0.43	-0.43	0.96	
5,213.00	2.70	320.80	5,192.13	269.45	-306.24	-303.40	0.29	-0.21	4.00	
5,309.00	1.80	353.80	5,288.06	272.70	-307.83	-304.96	1.61	-0.94	34.37	
5,404.00	1.50	86.10	5,383.03	274.27	-306.75	-303.87	2.51	-0.32	97.16	
5,499.00	1.80	98.80	5,477.99	274.12	-304.04	-301.15	0.50	0.32	13.37	
5,594.00	0.90	76.70	5,572.96	274.07	-301.84	-298.95	1.08	-0.95	-23.26	
5,689.00	0.70	70.00	5,667.95	274.44	-300.57	-297.68	0.23	-0.21	-7.05	
5,783.00	0.70	63.50	5,761.95	274.89	-299.51	-296.62	0.08	0.00	-6.91	
5,881.00	1.10	55.80	5,859.93	275.68	-298.20	-295.30	0.43	0.41	-7.86	
5,976.00	13.10	74.80	5,954.04	279.03	-287.02	-284.08	12.70	12.63	20.00	
6,071.00	26.00	68.00	6,043.38	289.70	-257.19	-254.14	13.77	13.58	-7.16	
6,116.00	33.90	67.50	6,082.34	298.21	-236.42	-233.28	17.56	17.56	-1.11	
6,166.00	40.60	72.70	6,122.13	308.40	-207.96	-204.72	14.79	13.40	10.40	
6,213.00	42.20	76.70	6,157.39	316.58	-177.99	-174.67	6.58	3.40	8.51	
6,260.00	43.90	84.20	6,191.76	321.86	-146.40	-143.02	11.47	3.62	15.96	
6,307.00	49.20	88.50	6,224.08	323.98	-112.37	-108.97	13.08	11.28	9.15	
6,355.00	53.50	88.30	6,254.05	325.03	-74.90	-71.50	8.96	8.96	-0.42	
6,402.00	55.80	88.20	6,281.24	326.20	-36.59	-33.17	4.90	4.89	-0.21	
6,450.00	60.70	87.60	6,306.49	327.70	4.19	7.62	10.26	10.21	-1.25	
6,497.00	66.90	91.50	6,327.24	327.99	46.32	49.76	15.14	13.19	8.30	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Fiducial 6-62-34-1724BH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4732.00usft (Original Well Elev)
Site:	Sec.34-T6N-R62W	MD Reference:	WELL @ 4732.00usft (Original Well Elev)
Well:	Fiducial 6-62-34-1724BH2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,545.00	73.80	93.40	6,343.37	326.04	91.46	94.87	14.85	14.37	3.96
6,621.00	80.80	95.10	6,360.07	320.54	165.34	168.69	9.47	9.21	2.24
6,693.00	89.30	94.20	6,366.28	314.73	236.77	240.06	11.87	11.81	-1.25
6,786.00	89.80	92.70	6,367.01	309.14	329.60	332.82	1.70	0.54	-1.61
6,878.00	89.60	92.90	6,367.49	304.64	421.49	424.65	0.31	-0.22	0.22
6,968.00	91.80	92.50	6,366.39	300.40	511.38	514.49	2.48	2.44	-0.44
7,060.00	92.30	92.20	6,363.10	296.63	603.24	606.31	0.63	0.54	-0.33
7,152.00	90.50	91.60	6,360.85	293.58	695.16	698.19	2.06	-1.96	-0.65
7,244.00	90.10	91.40	6,360.37	291.17	787.12	790.13	0.49	-0.43	-0.22
7,336.00	90.00	91.10	6,360.29	289.17	879.10	882.08	0.34	-0.11	-0.33
7,427.00	90.00	91.10	6,360.29	287.42	970.08	973.04	0.00	0.00	0.00
7,519.00	89.80	91.00	6,360.45	285.73	1,062.07	1,065.00	0.24	-0.22	-0.11
7,611.00	91.10	90.00	6,359.73	284.93	1,154.06	1,156.98	1.78	1.41	-1.09
7,704.00	91.20	89.90	6,357.86	285.01	1,247.04	1,249.96	0.15	0.11	-0.11
7,795.00	91.00	89.60	6,356.11	285.41	1,338.02	1,340.94	0.40	-0.22	-0.33
7,887.00	91.30	89.30	6,354.27	286.29	1,430.00	1,432.92	0.46	0.33	-0.33
7,978.00	92.00	89.40	6,351.65	287.33	1,520.96	1,523.88	0.78	0.77	0.11
8,070.00	90.90	89.20	6,349.32	288.45	1,612.92	1,615.85	1.22	-1.20	-0.22
8,163.00	89.00	89.30	6,349.40	289.67	1,705.91	1,708.85	2.05	-2.04	0.11
8,254.00	89.00	89.10	6,350.99	290.94	1,796.88	1,799.83	0.22	0.00	-0.22
8,345.00	88.60	88.80	6,352.89	292.60	1,887.85	1,890.81	0.55	-0.44	-0.33
8,438.00	89.80	90.00	6,354.19	293.58	1,980.83	1,983.80	1.82	1.29	1.29
8,528.00	89.50	90.00	6,354.74	293.58	2,070.83	2,073.79	0.33	-0.33	0.00
8,620.00	89.10	90.00	6,355.87	293.58	2,162.82	2,165.78	0.43	-0.43	0.00
8,711.00	91.20	88.80	6,355.63	294.53	2,253.81	2,256.77	2.66	2.31	-1.32
8,801.00	90.60	88.90	6,354.21	296.34	2,343.78	2,346.75	0.68	-0.67	0.11
8,892.00	90.30	89.10	6,353.50	297.92	2,434.76	2,437.75	0.40	-0.33	0.22
8,983.00	90.40	89.00	6,352.94	299.43	2,525.75	2,528.75	0.16	0.11	-0.11
9,074.00	90.30	88.30	6,352.39	301.58	2,616.72	2,619.74	0.78	-0.11	-0.77
9,166.00	90.20	88.10	6,351.99	304.47	2,708.67	2,711.71	0.24	-0.11	-0.22
9,257.00	92.40	89.20	6,349.92	306.61	2,799.62	2,802.68	2.70	2.42	1.21
9,349.00	92.00	88.90	6,346.39	308.13	2,891.54	2,894.61	0.54	-0.43	-0.33
9,441.00	92.00	89.50	6,343.18	309.42	2,983.47	2,986.55	0.65	0.00	0.65
9,533.00	89.10	89.60	6,342.30	310.14	3,075.46	3,078.53	3.15	-3.15	0.11
9,624.00	88.90	89.20	6,343.88	311.09	3,166.44	3,169.52	0.49	-0.22	-0.44
9,717.00	89.80	88.60	6,344.94	312.88	3,259.41	3,262.51	1.16	0.97	-0.65
9,808.00	90.20	87.70	6,344.94	315.82	3,350.36	3,353.49	1.08	0.44	-0.99
9,900.00	90.70	86.90	6,344.22	320.15	3,442.26	3,445.42	1.03	0.54	-0.87
9,992.00	91.00	86.70	6,342.85	325.28	3,534.10	3,537.32	0.39	0.33	-0.22
10,084.00	92.50	89.50	6,340.04	328.33	3,626.00	3,629.24	3.45	1.63	3.04
10,174.00	91.80	90.00	6,336.67	328.73	3,715.93	3,719.17	0.96	-0.78	0.56
10,266.00	90.50	90.40	6,334.82	328.41	3,807.91	3,811.14	1.48	-1.41	0.43
10,358.00	90.00	89.20	6,334.42	328.73	3,899.91	3,903.14	1.41	-0.54	-1.30
10,449.00	89.80	89.10	6,334.58	330.08	3,990.90	3,994.14	0.25	-0.22	-0.11
10,540.00	90.60	90.70	6,334.26	330.24	4,081.89	4,085.13	1.97	0.88	1.76
10,632.00	91.30	91.50	6,332.73	328.47	4,173.86	4,177.07	1.16	0.76	0.87
10,725.00	90.40	90.70	6,331.35	326.68	4,266.83	4,270.02	1.29	-0.97	-0.86
10,817.00	90.70	89.20	6,330.47	326.76	4,358.83	4,362.01	1.66	0.33	-1.63
10,909.00	90.60	89.30	6,329.43	327.97	4,450.81	4,454.00	0.15	-0.11	0.11
11,001.00	91.30	88.60	6,327.90	329.65	4,542.78	4,545.99	1.08	0.76	-0.76
11,093.00	90.10	90.80	6,326.78	330.14	4,634.77	4,637.97	2.72	-1.30	2.39
11,185.00	89.80	90.70	6,326.86	328.93	4,726.76	4,729.95	0.34	-0.33	-0.11
11,277.00	90.10	91.10	6,326.94	327.49	4,818.75	4,821.91	0.54	0.33	0.43
11,372.00	90.90	91.40	6,326.11	325.41	4,913.72	4,916.86	0.90	0.84	0.32

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Fiducial 6-62-34-1724BH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4732.00usft (Original Well Elev)
Site:	Sec.34-T6N-R62W	MD Reference:	WELL @ 4732.00usft (Original Well Elev)
Well:	Fiducial 6-62-34-1724BH2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,467.00	89.00	91.20	6,326.19	323.26	5,008.69	5,011.80	2.01	-2.00	-0.21	
11,562.00	88.60	90.40	6,328.18	321.93	5,103.66	5,106.75	0.94	-0.42	-0.84	
11,658.00	88.20	90.70	6,330.86	321.01	5,199.62	5,202.70	0.52	-0.42	0.31	
11,753.00	88.90	89.50	6,333.27	320.85	5,294.59	5,297.66	1.46	0.74	-1.26	
11,848.00	90.10	88.60	6,334.09	322.42	5,389.57	5,392.65	1.58	1.26	-0.95	
11,892.00	90.50	88.80	6,333.86	323.42	5,433.56	5,436.64	1.02	0.91	0.45	
11,983.00	90.20	87.80	6,333.31	326.12	5,524.51	5,527.62	1.15	-0.33	-1.10	
12,076.00	91.20	87.40	6,332.17	330.01	5,617.42	5,620.57	1.16	1.08	-0.43	
12,168.00	91.50	86.60	6,330.01	334.83	5,709.27	5,712.46	0.93	0.33	-0.87	
12,259.00	91.30	84.90	6,327.78	341.57	5,799.99	5,803.25	1.88	-0.22	-1.87	
12,351.00	90.90	86.10	6,326.02	348.78	5,891.69	5,895.02	1.37	-0.43	1.30	
12,443.00	90.60	88.00	6,324.81	353.52	5,983.55	5,986.93	2.09	-0.33	2.07	
12,533.00	91.70	89.80	6,323.00	355.25	6,073.51	6,076.90	2.34	1.22	2.00	
12,625.00	91.60	89.50	6,320.36	355.81	6,165.47	6,168.86	0.34	-0.11	-0.33	
12,716.00	92.70	91.10	6,316.94	355.33	6,256.40	6,259.78	2.13	1.21	1.76	
12,806.00	91.40	90.10	6,313.72	354.39	6,346.34	6,349.70	1.82	-1.44	-1.11	
12,898.00	91.30	91.60	6,311.55	353.03	6,438.30	6,441.64	1.63	-0.11	1.63	
12,988.00	88.70	91.40	6,311.55	350.67	6,528.26	6,531.58	2.90	-2.89	-0.22	
13,079.00	87.50	90.20	6,314.57	349.40	6,619.20	6,622.49	1.86	-1.32	-1.32	
13,171.00	87.60	90.60	6,318.50	348.76	6,711.11	6,714.40	0.45	0.11	0.43	
13,262.00	88.80	89.50	6,321.36	348.68	6,802.06	6,805.34	1.79	1.32	-1.21	
13,354.00	89.80	90.00	6,322.49	349.08	6,894.06	6,897.33	1.22	1.09	0.54	
13,446.00	89.60	89.80	6,322.97	349.24	6,986.05	6,989.33	0.31	-0.22	-0.22	
13,538.00	88.70	89.50	6,324.33	349.80	7,078.04	7,081.32	1.03	-0.98	-0.33	
13,629.00	89.30	88.00	6,325.92	351.79	7,169.00	7,172.29	1.78	0.66	-1.65	
13,722.00	90.60	87.80	6,326.00	355.20	7,261.94	7,265.26	1.41	1.40	-0.22	
13,813.00	90.90	87.20	6,324.81	359.17	7,352.84	7,356.20	0.74	0.33	-0.66	
13,905.00	91.60	86.40	6,322.80	364.30	7,444.68	7,448.08	1.16	0.76	-0.87	
13,997.00	91.30	88.90	6,320.48	368.07	7,536.56	7,540.00	2.74	-0.33	2.72	
14,089.00	91.80	89.20	6,317.99	369.60	7,628.52	7,631.97	0.63	0.54	0.33	
14,180.00	90.90	90.60	6,315.84	369.75	7,719.49	7,722.94	1.83	-0.99	1.54	
14,272.00	91.10	90.00	6,314.24	369.27	7,811.47	7,814.91	0.69	0.22	-0.65	
14,364.00	91.20	89.60	6,312.39	369.59	7,903.45	7,906.89	0.45	0.11	-0.43	
14,455.00	90.60	91.50	6,310.96	368.72	7,994.43	7,997.85	2.19	-0.66	2.09	
14,546.00	90.70	90.10	6,309.93	367.45	8,085.41	8,088.82	1.54	0.11	-1.54	
14,638.00	90.70	88.90	6,308.81	368.25	8,177.40	8,180.81	1.30	0.00	-1.30	
14,730.00	90.70	91.50	6,307.68	367.93	8,269.39	8,272.79	2.83	0.00	2.83	
14,822.00	90.70	90.50	6,306.56	366.33	8,361.37	8,364.74	1.09	0.00	-1.09	
14,914.00	90.80	89.80	6,305.35	366.08	8,453.36	8,456.73	0.77	0.11	-0.76	
15,006.00	89.80	90.60	6,304.87	365.76	8,545.35	8,548.71	1.39	-1.09	0.87	
15,098.00	89.90	89.80	6,305.11	365.44	8,637.35	8,640.70	0.88	0.11	-0.87	
15,190.00	90.30	89.30	6,304.95	366.16	8,729.35	8,732.70	0.70	0.43	-0.54	
15,282.00	89.90	89.10	6,304.79	367.45	8,821.34	8,824.70	0.49	-0.43	-0.22	
15,473.00	88.30	87.40	6,307.79	373.28	9,012.21	9,015.63	1.22	-0.84	-0.89	
15,568.00	90.30	87.80	6,308.95	377.26	9,107.12	9,110.57	2.15	2.11	0.42	
15,663.00	90.10	87.40	6,308.62	381.24	9,202.03	9,205.52	0.47	-0.21	-0.42	
15,758.00	91.20	88.10	6,307.54	384.97	9,296.95	9,300.47	1.37	1.16	0.74	
15,853.00	91.00	86.80	6,305.72	389.19	9,391.84	9,395.40	1.38	-0.21	-1.37	
15,949.00	91.50	86.00	6,303.62	395.22	9,487.62	9,491.24	0.98	0.52	-0.83	
Last Archer Survey										
16,008.00	91.90	85.50	6,301.87	399.59	9,546.44	9,550.10	1.08	0.68	-0.85	
Fiducial 6-62-34-1724BH2 tgt										
16,069.25	91.90	85.50	6,299.84	404.39	9,607.46	9,611.17	0.00	0.00	0.00	
PTB										

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Fiducial 6-62-34-1724BH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4732.00usft (Original Well Elev)
Site:	Sec.34-T6N-R62W	MD Reference:	WELL @ 4732.00usft (Original Well Elev)
Well:	Fiducial 6-62-34-1724BH2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDMDBBW

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,070.00	91.90	85.50	6,299.82	404.45	9,608.21	9,611.92	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
800.00	800.00	0.00	0.00	First Archer Survey
16,008.00	6,301.87	399.59	9,546.44	Last Archer Survey
16,070.00	6,299.82	404.45	9,608.21	PTB

Checked By: _____ Approved By: _____ Date: _____