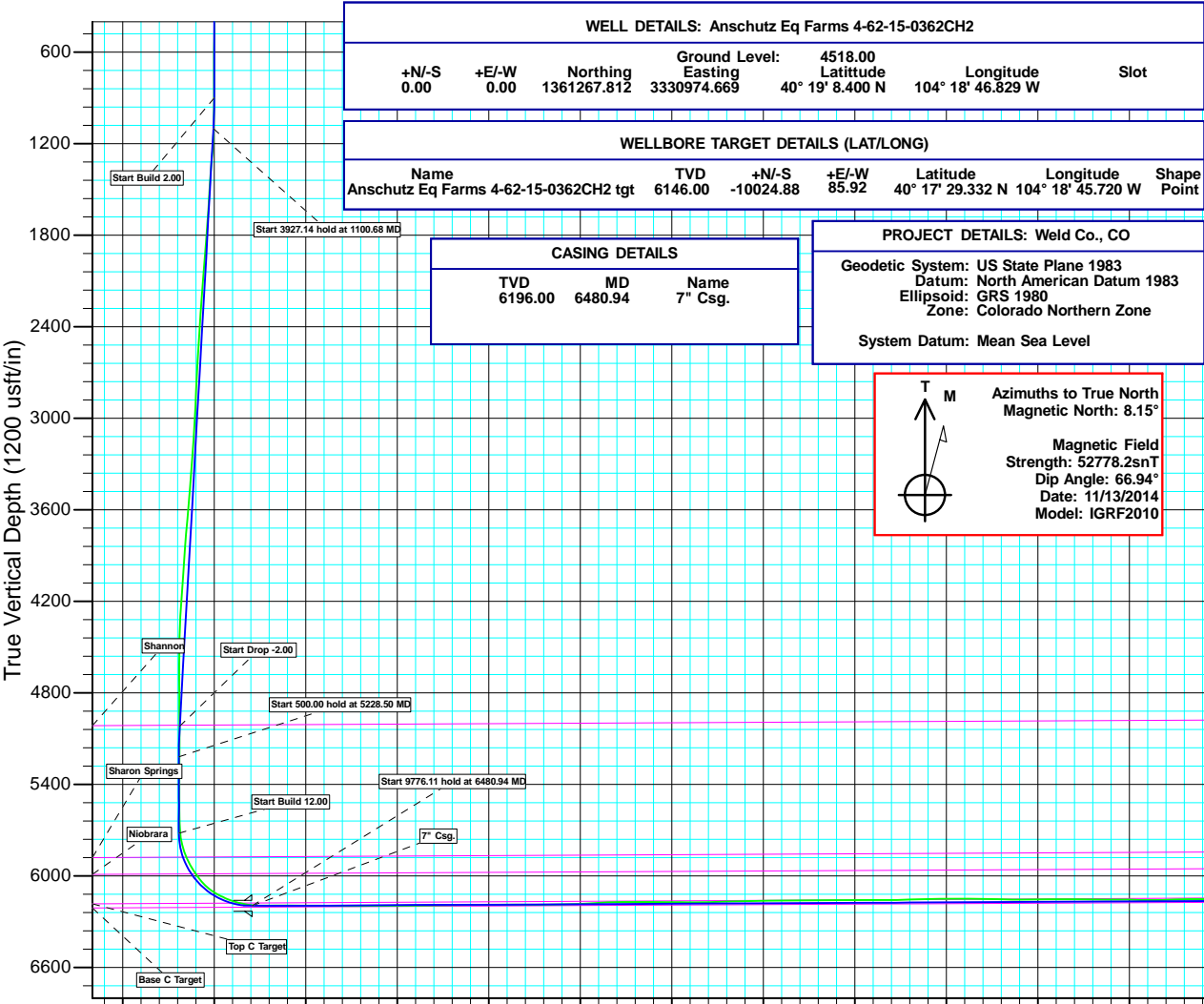
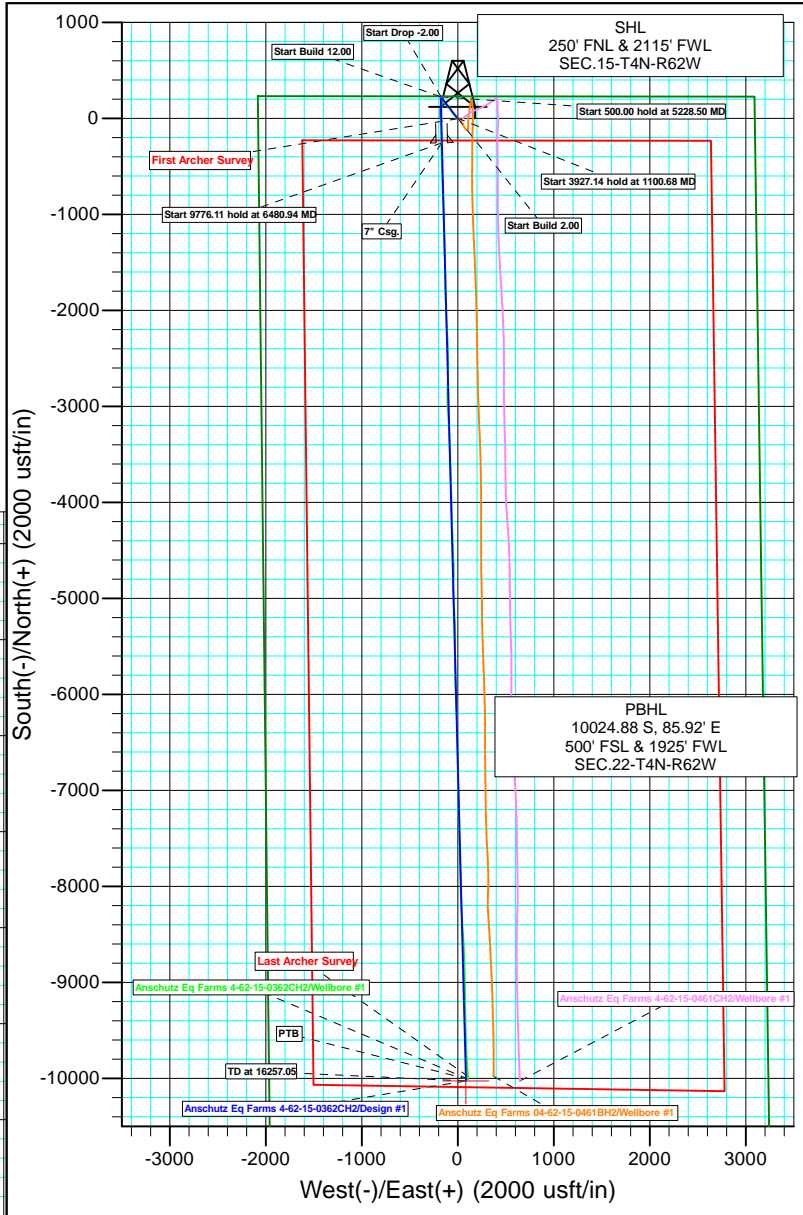




Archer

Bill Barrett Corp.
 Project: Weld Co., CO
 Site: Sec.15-T4N-R62W
 Well: Anschutz Eq Farms 4-62-15-0362CH2
 Wellbore: Wellbore #1
 Design: Design #1
 Lat: 40° 19' 8.400 N
 Long: 104° 18' 46.829 W
 Pad GL: 4518.00
 KB: WELL @ 4540.00usft (Original Well Elev)

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 2.00
1100.68	4.01	321.98	1100.52	5.54	-4.33	2.00	321.98	-5.64	Start 3927.14 hold at 1100.68 MD
5027.82	4.01	321.98	5018.02	222.07	-173.64	0.00	0.00	-226.46	Start Drop -2.00
5228.50	0.00	0.00	5218.54	227.61	-177.97	2.00	180.00	-232.10	Start 500.00 hold at 5228.50 MD
5728.50	0.00	0.00	5718.54	227.61	-177.97	0.00	0.00	-232.10	Start Build 12.00
6480.94	90.29	178.53	6196.00	-252.14	-165.62	12.00	178.53	247.81	Start 9776.11 hold at 6480.94 MD
16257.05	90.29	178.53	6146.00	-10024.88	85.92	0.00	0.00	10023.78	TD at 16257.05



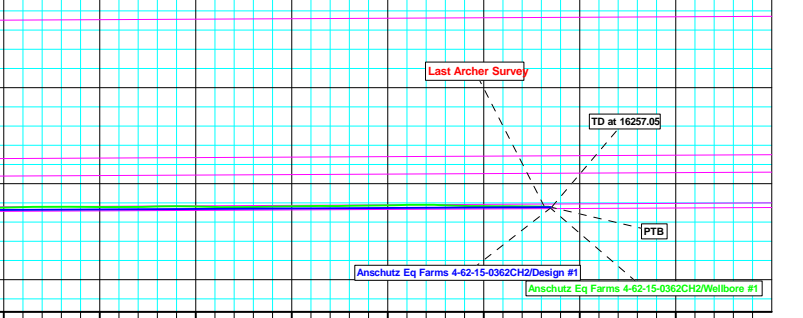
WELL DETAILS: Anschutz Eq Farms 4-62-15-0362CH2						
+N/-S	+E/-W	Northing	Ground Level: Easting	4518.00 Latitude	Longitude	Slot
0.00	0.00	1361267.812	3330974.669	40° 19' 8.400 N	104° 18' 46.829 W	

WELLBORE TARGET DETAILS (LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	Point
Anschutz Eq Farms 4-62-15-0362CH2 tgt	6146.00	-10024.88	85.92	40° 17' 29.332 N	104° 18' 45.720 W		

CASING DETAILS		
TVD	MD	Name
6196.00	6480.94	7\" Csg.

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

Azimuths to True North
 Magnetic North: 8.15°
 Magnetic Field
 Strength: 52778.2snT
 Dip Angle: 66.94°
 Date: 11/13/2014
 Model: IGRF2010



Plan: Design #1 (Anschutz Eq Farms 4-62-15-0362CH2/Wellbore #1)
 Created By: Ricky Osburn Date: 6:18, November 29 2014

Vertical Section at 178.53° (1200 usft/in)



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.15-T4N-R62W

Anschutz Eq Farms 4-62-15-0362CH2

Wellbore #1

Survey: Survey #1

Standard Survey Report

29 November, 2014

Archer

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz Eq Farms 4-62-15-0362CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4540.00usft (Original Well Elev)
Site:	Sec.15-T4N-R62W	MD Reference:	WELL @ 4540.00usft (Original Well Elev)
Well:	Anschutz Eq Farms 4-62-15-0362CH2	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.15-T4N-R62W				
Site Position:	Northing:	1,361,232.866 usft	Latitude:	40° 19' 8.231 N	
From:	Lat/Long	Easting:	3,329,639.637 usft	Longitude:	104° 19' 4.069 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.76 °

Well	Anschutz Eq Farms 4-62-15-0362CH2					
Well Position	+N/-S	0.00 usft	Northing:	1,361,267.812 usft	Latitude:	40° 19' 8.400 N
	+E/-W	0.00 usft	Easting:	3,330,974.669 usft	Longitude:	104° 18' 46.829 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,518.00 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/11/13	8.15	66.94	52,778

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	178.53	

Survey Program	Date	2014/11/29			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
141.00	16,220.00	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	0.00
First Archer Survey										
141.00	1.40	166.90	140.99	-1.68	0.39	1.69	0.99	0.99	0.00	0.00
232.00	1.00	146.80	231.97	-3.42	1.08	3.45	0.63	-0.44	-22.09	
324.00	2.00	296.20	323.95	-3.39	0.08	3.39	3.16	1.09	162.39	
415.00	2.70	308.60	414.87	-1.35	-3.02	1.27	0.95	0.77	13.63	
506.00	0.70	323.30	505.83	0.43	-5.03	-0.56	2.23	-2.20	16.15	
598.00	1.40	348.10	597.81	1.98	-5.60	-2.13	0.89	0.76	26.96	
689.00	0.50	93.10	688.81	3.05	-5.43	-3.19	1.76	-0.99	115.38	
781.00	0.70	113.80	780.80	2.80	-4.52	-2.92	0.32	0.22	22.50	
866.00	0.80	97.40	865.79	2.52	-3.45	-2.60	0.28	0.12	-19.29	
958.00	1.00	102.90	957.78	2.25	-2.03	-2.31	0.24	0.22	5.98	
1,047.00	1.50	302.10	1,046.77	2.70	-2.26	-2.76	2.77	0.56	-180.67	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz Eq Farms 4-62-15-0362CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4540.00usft (Original Well Elev)
Site:	Sec.15-T4N-R62W	MD Reference:	WELL @ 4540.00usft (Original Well Elev)
Well:	Anschutz Eq Farms 4-62-15-0362CH2	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)	
1,138.00	3.80	309.20	1,137.67	5.24	-5.61	-5.38	2.55	2.53	7.80	
1,230.00	5.80	317.30	1,229.34	10.58	-11.13	-10.86	2.29	2.17	8.80	
1,320.00	5.90	318.90	1,318.88	17.41	-17.25	-17.85	0.21	0.11	1.78	
1,412.00	5.60	316.50	1,410.41	24.23	-23.45	-24.82	0.42	-0.33	-2.61	
1,504.00	5.20	312.40	1,502.00	30.30	-29.62	-31.05	0.60	-0.43	-4.46	
1,596.00	5.40	321.30	1,593.61	36.49	-35.40	-37.38	0.92	0.22	9.67	
1,688.00	4.90	317.30	1,685.24	42.75	-40.77	-43.78	0.67	-0.54	-4.35	
1,780.00	4.70	312.30	1,776.92	48.18	-46.23	-49.35	0.50	-0.22	-5.43	
1,871.00	5.20	328.20	1,867.58	54.19	-51.16	-55.49	1.60	0.55	17.47	
1,965.00	5.20	330.60	1,961.20	61.52	-55.49	-62.93	0.23	0.00	2.55	
2,060.00	5.20	328.40	2,055.81	68.94	-59.86	-70.45	0.21	0.00	-2.32	
2,152.00	5.10	329.50	2,147.43	76.01	-64.12	-77.63	0.15	-0.11	1.20	
2,247.00	5.30	329.30	2,242.04	83.43	-68.51	-85.16	0.21	0.21	-0.21	
2,342.00	4.00	329.30	2,336.73	90.05	-72.44	-91.88	1.37	-1.37	0.00	
2,437.00	4.00	333.20	2,431.50	95.85	-75.62	-97.76	0.29	0.00	4.11	
2,532.00	3.90	332.40	2,526.27	101.67	-78.61	-103.66	0.12	-0.11	-0.84	
2,628.00	4.30	315.30	2,622.03	107.13	-82.66	-109.21	1.33	0.42	-17.81	
2,722.00	4.00	315.20	2,715.78	111.96	-87.45	-114.16	0.32	-0.32	-0.11	
2,817.00	3.60	317.30	2,810.57	116.50	-91.80	-118.82	0.45	-0.42	2.21	
2,912.00	4.00	319.70	2,905.36	121.22	-95.97	-123.64	0.45	0.42	2.53	
3,007.00	4.60	313.20	3,000.10	126.35	-100.89	-128.90	0.81	0.63	-6.84	
3,102.00	3.90	312.10	3,094.84	131.13	-106.06	-133.81	0.74	-0.74	-1.16	
3,197.00	5.40	306.40	3,189.52	135.95	-112.06	-138.78	1.65	1.58	-6.00	
3,292.00	5.60	320.20	3,284.09	142.16	-118.62	-145.16	1.40	0.21	14.53	
3,387.00	6.10	321.50	3,378.59	149.67	-124.73	-152.82	0.54	0.53	1.37	
3,482.00	6.50	321.00	3,473.02	157.80	-131.26	-161.12	0.42	0.42	-0.53	
3,577.00	5.30	332.10	3,567.52	165.86	-136.70	-169.31	1.74	-1.26	11.68	
3,672.00	5.30	332.60	3,662.11	173.63	-140.77	-177.19	0.05	0.00	0.53	
3,767.00	5.00	327.90	3,756.73	181.03	-144.99	-184.69	0.54	-0.32	-4.95	
3,863.00	4.60	329.70	3,852.39	187.90	-149.15	-191.67	0.45	-0.42	1.87	
3,958.00	4.40	334.80	3,947.10	194.49	-152.63	-198.34	0.47	-0.21	5.37	
4,053.00	4.40	336.70	4,041.82	201.13	-155.62	-205.06	0.15	0.00	2.00	
4,147.00	4.80	328.60	4,135.52	207.80	-159.10	-211.81	0.81	0.43	-8.62	
4,242.00	4.50	335.90	4,230.20	214.60	-162.69	-218.70	0.70	-0.32	7.68	
4,337.00	2.80	324.60	4,325.01	219.89	-165.56	-224.06	1.93	-1.79	-11.89	
4,432.00	1.10	7.90	4,419.95	222.68	-166.77	-226.89	2.25	-1.79	45.58	
4,527.00	1.40	17.00	4,514.93	224.70	-166.31	-228.89	0.38	0.32	9.58	
4,622.00	0.40	28.00	4,609.92	226.10	-165.81	-230.28	1.06	-1.05	11.58	
4,717.00	0.90	233.90	4,704.92	225.95	-166.26	-230.14	1.34	0.53	-162.21	
4,812.00	0.50	228.80	4,799.91	225.24	-167.18	-229.46	0.43	-0.42	-5.37	
4,907.00	0.20	172.90	4,894.91	224.80	-167.47	-229.03	0.44	-0.32	-58.84	
5,002.00	0.40	127.40	4,989.91	224.44	-167.18	-228.65	0.31	0.21	-47.89	
5,096.00	0.60	115.00	5,083.90	224.03	-166.48	-228.23	0.24	0.21	-13.19	
5,192.00	0.90	315.60	5,179.90	224.36	-166.55	-228.55	1.54	0.31	-166.04	
5,287.00	0.70	316.10	5,274.89	225.31	-167.47	-229.53	0.21	-0.21	0.53	
5,381.00	0.20	284.60	5,368.89	225.76	-168.03	-230.00	0.57	-0.53	-33.51	
5,476.00	0.10	217.20	5,463.89	225.74	-168.24	-229.98	0.20	-0.11	-70.95	
5,571.00	0.40	162.90	5,558.89	225.36	-168.19	-229.60	0.37	0.32	-57.16	
5,635.00	1.60	175.00	5,622.87	224.25	-168.05	-228.49	1.89	1.87	18.91	
5,666.00	2.60	178.00	5,653.85	223.12	-167.99	-227.35	3.24	3.23	9.68	
5,714.00	3.80	179.70	5,701.78	220.44	-167.94	-224.67	2.51	2.50	3.54	
5,761.00	9.10	179.50	5,748.46	215.16	-167.90	-219.40	11.28	11.28	-0.43	
5,809.00	14.20	182.10	5,795.46	205.48	-168.08	-209.72	10.68	10.62	5.42	
5,856.00	18.70	181.30	5,840.52	192.18	-168.47	-196.43	9.59	9.57	-1.70	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz Eq Farms 4-62-15-0362CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4540.00usft (Original Well Elev)
Site:	Sec.15-T4N-R62W	MD Reference:	WELL @ 4540.00usft (Original Well Elev)
Well:	Anschutz Eq Farms 4-62-15-0362CH2	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)	
5,904.00	23.80	178.60	5,885.25	174.79	-168.40	-179.05	10.82	10.62	-5.62	
5,951.00	29.10	180.20	5,927.31	153.86	-168.21	-158.13	11.38	11.28	3.40	
5,999.00	33.10	180.70	5,968.40	129.08	-168.41	-133.35	8.35	8.33	1.04	
6,045.00	36.30	180.20	6,006.22	102.89	-168.61	-107.19	6.98	6.96	-1.09	
6,093.00	41.40	183.20	6,043.59	72.82	-169.55	-77.14	11.32	10.62	6.25	
6,140.00	49.80	183.40	6,076.45	39.32	-171.49	-43.71	17.87	17.87	0.43	
6,188.00	58.10	182.20	6,104.67	0.59	-173.36	-5.04	17.41	17.29	-2.50	
6,235.00	63.30	180.20	6,127.66	-40.37	-174.20	35.88	11.67	11.06	-4.26	
6,283.00	66.30	179.20	6,148.10	-83.79	-173.97	79.30	6.53	6.25	-2.08	
6,329.00	71.80	178.70	6,164.54	-126.73	-173.18	122.24	12.00	11.96	-1.09	
6,377.00	77.80	178.80	6,177.12	-173.02	-172.17	168.54	12.50	12.50	0.21	
6,424.00	79.30	179.00	6,186.45	-219.07	-171.28	214.60	3.22	3.19	0.43	
6,463.00	83.90	179.20	6,192.15	-257.64	-170.68	253.17	11.81	11.79	0.51	
6,514.00	91.70	178.80	6,194.10	-308.55	-169.79	304.10	15.31	15.29	-0.78	
6,610.00	90.10	178.70	6,192.59	-404.51	-167.69	400.08	1.67	-1.67	-0.10	
6,705.00	89.30	178.50	6,193.09	-499.48	-165.37	495.08	0.87	-0.84	-0.21	
6,799.00	89.70	178.10	6,193.91	-593.44	-162.58	589.07	0.60	0.43	-0.43	
6,894.00	89.50	178.00	6,194.58	-688.38	-159.35	684.07	0.24	-0.21	-0.11	
6,989.00	89.40	177.90	6,195.49	-783.32	-155.95	779.06	0.15	-0.11	-0.11	
7,083.00	89.80	178.20	6,196.14	-877.26	-152.75	873.05	0.53	0.43	0.32	
7,178.00	90.10	177.80	6,196.23	-972.20	-149.44	968.05	0.53	0.32	-0.42	
7,272.00	90.20	177.70	6,195.98	-1,066.13	-145.75	1,062.04	0.15	0.11	-0.11	
7,367.00	89.70	177.40	6,196.06	-1,161.04	-141.69	1,157.02	0.61	-0.53	-0.32	
7,463.00	91.10	178.70	6,195.39	-1,256.98	-138.42	1,253.01	1.99	1.46	1.35	
7,557.00	91.40	178.80	6,193.34	-1,350.93	-136.37	1,346.99	0.34	0.32	0.11	
7,652.00	90.50	179.30	6,191.77	-1,445.91	-134.80	1,441.97	1.08	-0.95	0.53	
7,747.00	90.50	179.10	6,190.94	-1,540.89	-133.47	1,536.96	0.21	0.00	-0.21	
7,842.00	90.70	179.00	6,189.94	-1,635.88	-131.90	1,631.95	0.24	0.21	-0.11	
7,937.00	90.90	178.70	6,188.62	-1,730.85	-129.99	1,726.94	0.38	0.21	-0.32	
8,032.00	89.80	178.40	6,188.04	-1,825.81	-127.58	1,821.94	1.20	-1.16	-0.32	
8,127.00	89.90	178.10	6,188.29	-1,920.77	-124.68	1,916.94	0.33	0.11	-0.32	
8,222.00	89.90	178.00	6,188.45	-2,015.71	-121.45	2,011.93	0.11	0.00	-0.11	
8,316.00	90.60	177.70	6,188.04	-2,109.65	-117.92	2,105.93	0.81	0.74	-0.32	
8,411.00	90.80	176.90	6,186.88	-2,204.53	-113.45	2,200.90	0.87	0.21	-0.84	
8,507.00	90.60	176.60	6,185.71	-2,300.37	-108.01	2,296.84	0.38	-0.21	-0.31	
8,601.00	92.00	176.90	6,183.58	-2,394.19	-102.68	2,390.77	1.52	1.49	0.32	
8,695.00	94.00	179.20	6,178.66	-2,488.00	-99.48	2,484.63	3.24	2.13	2.45	
8,790.00	92.70	181.20	6,173.10	-2,582.83	-99.82	2,579.42	2.51	-1.37	2.11	
8,885.00	90.50	182.00	6,170.45	-2,677.75	-102.47	2,674.24	2.46	-2.32	0.84	
8,980.00	90.10	181.70	6,169.95	-2,772.70	-105.54	2,769.08	0.53	-0.42	-0.32	
9,076.00	88.90	179.00	6,170.79	-2,868.68	-106.12	2,865.01	3.08	-1.25	-2.81	
9,171.00	90.70	178.60	6,171.12	-2,963.65	-104.13	2,960.01	1.94	1.89	-0.42	
9,266.00	88.70	177.00	6,171.62	-3,058.58	-100.49	3,054.99	2.70	-2.11	-1.68	
9,361.00	89.70	176.80	6,172.95	-3,153.43	-95.35	3,149.94	1.07	1.05	-0.21	
9,456.00	92.20	178.00	6,171.37	-3,248.31	-91.04	3,244.90	2.92	2.63	1.26	
9,550.00	92.40	178.00	6,167.60	-3,342.17	-87.76	3,338.82	0.21	0.21	0.00	
9,645.00	91.30	177.30	6,164.53	-3,437.04	-83.87	3,433.76	1.37	-1.16	-0.74	
9,740.00	90.00	177.20	6,163.46	-3,531.92	-79.31	3,528.73	1.37	-1.37	-0.11	
9,835.00	90.50	177.00	6,163.04	-3,626.80	-74.51	3,623.70	0.57	0.53	-0.21	
9,930.00	91.50	178.80	6,161.38	-3,721.72	-71.02	3,718.67	2.17	1.05	1.89	
10,025.00	90.60	179.40	6,159.64	-3,816.69	-69.53	3,813.65	1.14	-0.95	0.63	
10,120.00	90.60	178.90	6,158.65	-3,911.67	-68.12	3,908.64	0.53	0.00	-0.53	
10,215.00	89.70	178.50	6,158.40	-4,006.65	-65.97	4,003.64	1.04	-0.95	-0.42	
10,310.00	90.30	178.40	6,158.40	-4,101.61	-63.40	4,098.64	0.64	0.63	-0.11	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz Eq Farms 4-62-15-0362CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4540.00usft (Original Well Elev)
Site:	Sec.15-T4N-R62W	MD Reference:	WELL @ 4540.00usft (Original Well Elev)
Well:	Anschutz Eq Farms 4-62-15-0362CH2	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)	
10,405.00	90.30	177.90	6,157.90	-4,196.56	-60.33	4,193.63	0.53	0.00	-0.53	
10,500.00	90.60	177.90	6,157.15	-4,291.49	-56.85	4,288.62	0.32	0.32	0.00	
10,592.00	90.00	178.00	6,156.67	-4,383.43	-53.56	4,380.62	0.66	-0.65	0.11	
10,683.00	89.60	177.60	6,156.99	-4,474.36	-50.07	4,471.61	0.62	-0.44	-0.44	
10,774.00	92.30	177.50	6,155.48	-4,565.26	-46.18	4,562.57	2.97	2.97	-0.11	
10,865.00	92.70	179.40	6,151.51	-4,656.14	-43.72	4,653.48	2.13	0.44	2.09	
10,957.00	90.30	180.50	6,149.10	-4,748.10	-43.64	4,745.41	2.87	-2.61	1.20	
11,048.00	89.50	180.00	6,149.26	-4,839.09	-44.04	4,836.37	1.04	-0.88	-0.55	
11,140.00	90.20	180.00	6,149.50	-4,931.09	-44.04	4,928.34	0.76	0.76	0.00	
11,231.00	89.20	177.60	6,149.98	-5,022.06	-42.13	5,019.33	2.86	-1.10	-2.64	
11,323.00	88.80	177.10	6,151.59	-5,113.95	-37.88	5,111.30	0.70	-0.43	-0.54	
11,412.00	88.70	176.60	6,153.53	-5,202.80	-32.99	5,200.24	0.57	-0.11	-0.56	
11,503.00	90.30	177.90	6,154.32	-5,293.68	-28.62	5,291.21	2.27	1.76	1.43	
11,595.00	91.30	180.10	6,153.04	-5,385.65	-27.02	5,383.19	2.63	1.09	2.39	
11,685.00	90.10	180.70	6,151.94	-5,475.64	-27.64	5,473.13	1.49	-1.33	0.67	
11,777.00	89.80	179.90	6,152.02	-5,567.64	-28.13	5,565.09	0.93	-0.33	-0.87	
11,869.00	89.30	179.20	6,152.74	-5,659.63	-27.40	5,657.07	0.94	-0.54	-0.76	
11,961.00	89.30	179.10	6,153.86	-5,751.62	-26.04	5,749.06	0.11	0.00	-0.11	
12,053.00	89.80	179.00	6,154.59	-5,843.60	-24.51	5,841.05	0.55	0.54	-0.11	
12,145.00	90.10	178.70	6,154.67	-5,935.58	-22.67	5,933.05	0.46	0.33	-0.33	
12,236.00	88.50	177.30	6,155.78	-6,026.51	-19.49	6,024.03	2.34	-1.76	-1.54	
12,328.00	89.70	176.60	6,157.22	-6,118.37	-14.60	6,115.98	1.51	1.30	-0.76	
12,420.00	91.20	177.40	6,156.50	-6,210.24	-9.78	6,207.94	1.85	1.63	0.87	
12,511.00	92.20	178.10	6,153.80	-6,301.13	-6.21	6,298.89	1.34	1.10	0.77	
12,604.00	90.70	179.60	6,151.45	-6,394.07	-4.35	6,391.86	2.28	-1.61	1.61	
12,696.00	89.90	178.70	6,150.97	-6,486.06	-2.98	6,483.85	1.31	-0.87	-0.98	
12,788.00	91.70	179.60	6,149.68	-6,578.04	-1.62	6,575.83	2.19	1.96	0.98	
12,879.00	91.80	179.20	6,146.90	-6,668.99	-0.66	6,666.78	0.45	0.11	-0.44	
12,970.00	90.70	179.80	6,144.92	-6,759.96	0.13	6,757.74	1.38	-1.21	0.66	
13,062.00	90.80	178.80	6,143.71	-6,851.95	1.25	6,849.72	1.09	0.11	-1.09	
13,153.00	89.80	179.60	6,143.24	-6,942.93	2.52	6,940.71	1.41	-1.10	0.88	
13,245.00	89.50	179.30	6,143.80	-7,034.93	3.41	7,032.70	0.46	-0.33	-0.33	
13,336.00	89.20	178.50	6,144.83	-7,125.90	5.15	7,123.69	0.94	-0.33	-0.88	
13,428.00	90.20	179.10	6,145.31	-7,217.88	7.08	7,215.69	1.27	1.09	0.65	
13,519.00	90.20	178.60	6,145.00	-7,308.86	8.91	7,306.68	0.55	0.00	-0.55	
13,611.00	90.50	178.50	6,144.43	-7,400.83	11.23	7,398.68	0.34	0.33	-0.11	
13,702.00	91.00	178.00	6,143.24	-7,491.78	14.01	7,489.67	0.78	0.55	-0.55	
13,794.00	91.30	178.20	6,141.40	-7,583.71	17.06	7,581.65	0.39	0.33	0.22	
13,884.00	89.60	178.60	6,140.69	-7,673.67	19.58	7,671.65	1.94	-1.89	0.44	
13,976.00	89.10	178.00	6,141.73	-7,765.62	22.30	7,763.64	0.85	-0.54	-0.65	
14,068.00	88.00	177.20	6,144.06	-7,857.51	26.16	7,855.59	1.48	-1.20	-0.87	
14,159.00	89.70	179.50	6,145.89	-7,948.44	28.77	7,946.57	3.14	1.87	2.53	
14,250.00	90.20	178.10	6,145.97	-8,039.42	30.68	8,037.56	1.63	0.55	-1.54	
14,342.00	90.80	178.00	6,145.16	-8,131.36	33.81	8,129.56	0.66	0.65	-0.11	
14,433.00	90.60	176.80	6,144.05	-8,222.26	37.94	8,220.53	1.34	-0.22	-1.32	
14,524.00	91.30	176.40	6,142.54	-8,313.09	43.33	8,311.46	0.89	0.77	-0.44	
14,615.00	90.90	175.80	6,140.80	-8,403.86	49.52	8,402.36	0.79	-0.44	-0.66	
14,707.00	90.50	177.30	6,139.67	-8,495.68	55.06	8,494.30	1.69	-0.43	1.63	
14,798.00	90.40	176.10	6,138.96	-8,586.53	60.30	8,585.25	1.32	-0.11	-1.32	
14,890.00	90.20	177.30	6,138.48	-8,678.37	65.59	8,677.20	1.32	-0.22	1.30	
14,982.00	90.60	178.80	6,137.83	-8,770.31	68.72	8,769.19	1.69	0.43	1.63	
15,072.00	91.20	178.50	6,136.42	-8,860.28	70.84	8,859.18	0.75	0.67	-0.33	
15,163.00	90.50	179.00	6,135.07	-8,951.25	72.83	8,950.17	0.95	-0.77	0.55	
15,254.00	91.30	178.80	6,133.64	-9,042.22	74.57	9,041.15	0.91	0.88	-0.22	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz Eq Farms 4-62-15-0362CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4540.00usft (Original Well Elev)
Site:	Sec.15-T4N-R62W	MD Reference:	WELL @ 4540.00usft (Original Well Elev)
Well:	Anschutz Eq Farms 4-62-15-0362CH2	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)	
15,345.00	90.60	179.60	6,132.13	-9,133.19	75.84	9,132.13	1.17	-0.77	0.88	
15,440.00	90.40	179.80	6,131.30	-9,228.19	76.34	9,227.11	0.30	-0.21	0.21	
15,535.00	87.90	179.80	6,132.71	-9,323.17	76.67	9,322.07	2.63	-2.63	0.00	
15,629.00	88.00	177.90	6,136.08	-9,417.09	78.56	9,416.00	2.02	0.11	-2.02	
15,724.00	89.00	177.90	6,138.56	-9,511.99	82.04	9,510.96	1.05	1.05	0.00	
15,789.00	89.50	177.30	6,139.41	-9,576.93	84.76	9,575.95	1.20	0.77	-0.92	
15,884.00	90.00	177.90	6,139.83	-9,671.84	88.74	9,670.93	0.82	0.53	0.63	
15,979.00	89.80	177.40	6,139.99	-9,766.76	92.63	9,765.92	0.57	-0.21	-0.53	
16,073.00	89.20	176.50	6,140.81	-9,860.62	97.63	9,859.88	1.15	-0.64	-0.96	
16,168.00	88.60	175.30	6,142.64	-9,955.36	104.43	9,954.76	1.41	-0.63	-1.26	
Last Archer Survey										
16,192.00	88.40	175.10	6,143.27	-9,979.27	106.43	9,978.71	1.18	-0.83	-0.83	
PTB - Anschutz Eq Farms 4-62-15-0362CH2 tgt										
16,220.00	88.40	175.10	6,144.05	-10,007.15	108.82	10,006.65	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
141.00	140.99	-1.68	0.39	First Archer Survey	
16,192.00	6,143.27	-9,979.27	106.43	Last Archer Survey	
16,220.00	6,144.05	-10,007.15	108.82	PTB	

Checked By: _____ Approved By: _____ Date: _____