



**Bill Barrett Corporation**

## **Bill Barrett Corp.**

**Weld Co., CO**

**Sec.26-T5N-R62W**

**Anschutz State 5-62-26-3340CH2**

**Wellbore #1**

**Plan: Design #1**

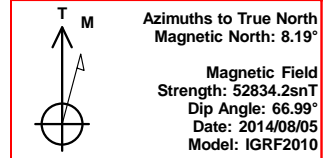
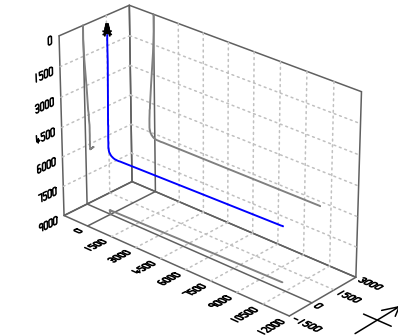
## **Standard Planning Report**

**18 May, 2015**



Bill Barrett Corp.  
Project: Weld Co., CO  
Site: Sec.26-T5N-R62W  
Well: Anschutz State 5-62-26-3340CH2  
Wellbore: Wellbore #1  
Design: Design #1  
Lat: 40° 22' 11.168 N  
Long: 104° 17' 56.119 W  
Pad GL: 4640.00  
KB: WELL @ 4656.00usft (Original Well Elev)

# Archer



## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	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
1197.69	5.95	310.13	1197.16	9.96	-11.82	2.00	310.13	-11.58	Start 3822.84 hold at 1197.69 MD
5020.54	5.95	310.13	4999.38	265.51	-315.02	0.00	0.00	-308.82	Start Drop -2.00
5318.23	0.00	0.00	5296.54	275.47	-326.84	2.00	180.00	-320.41	Start 500.00 hold at 5318.23 MD
5818.23	0.00	0.00	5796.54	275.47	-326.84	0.00	0.00	-320.41	Start Build 12.00
6570.44	90.26	88.68	6274.00	286.48	152.70	12.00	88.68	159.26	Start 9742.68 hold at 6570.44 MD
16313.12	90.26	88.68	6229.00	510.18	9892.72	0.00	0.00	9901.84	TD at 16313.12

## WELL DETAILS: Anschutz State 5-62-26-3340CH2

+N/-S	+E/-W	Northing	Ground Level:	4640.00	Latitude	Longitude	Slot
0.00	0.00	1379813.784	Easting	3334651.598	40° 22' 11.168 N	104° 17' 56.119 W	

## PROJECT DETAILS: Weld Co., CO

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

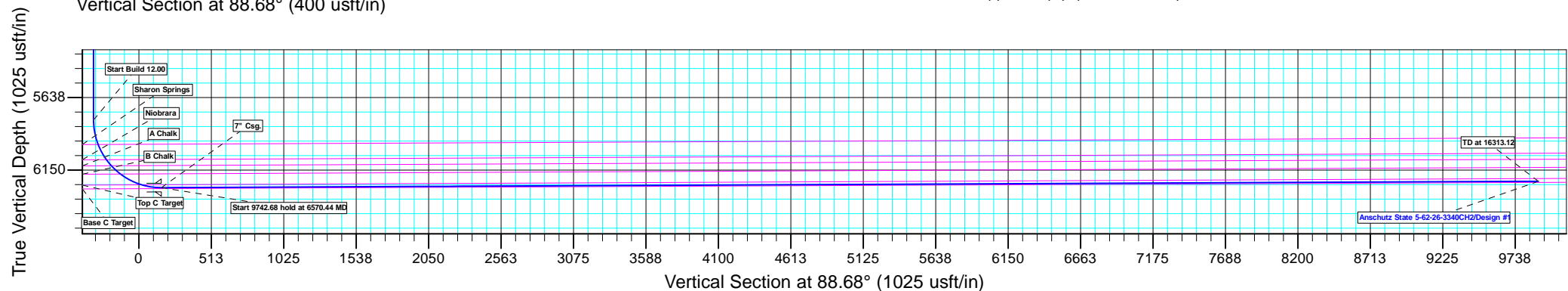
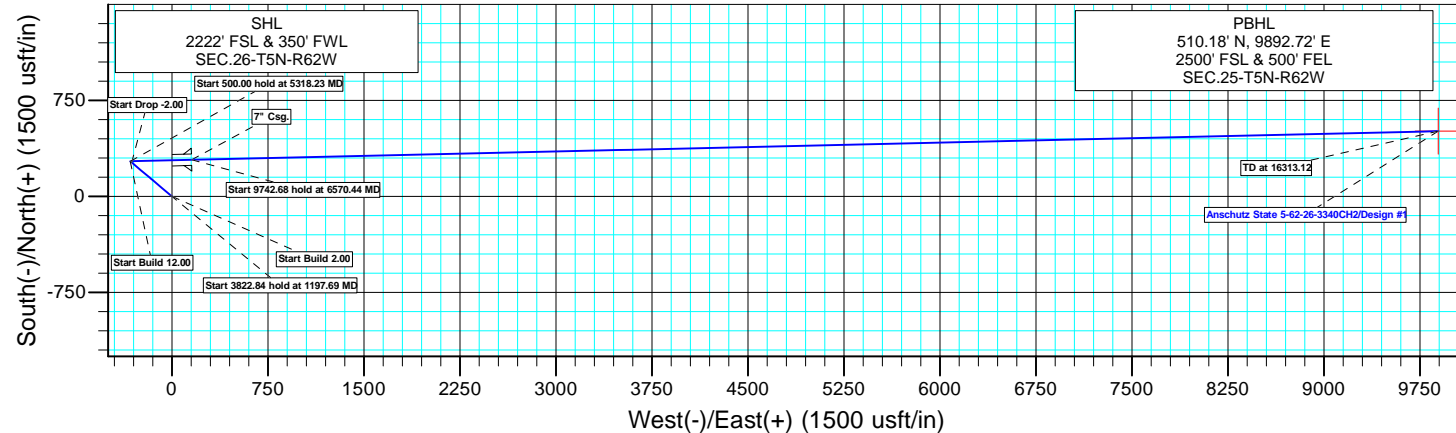
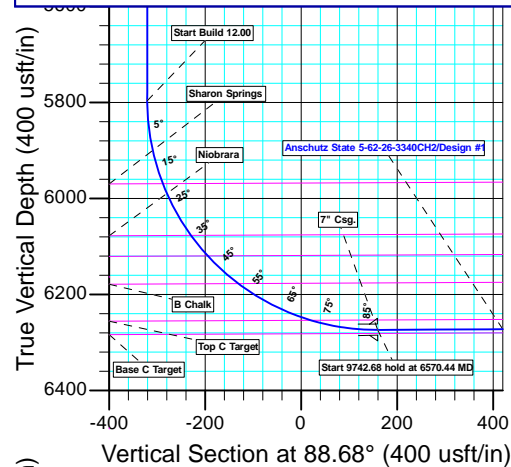
System Datum: Mean Sea Level

## CASING DETAILS

TVD	MD	Name
6274.00	6570.44	7" Csg.

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
Anschutz State 5-62-26-3340CH2 tgt	6229.00	510.18	9892.72	40° 22' 16.190 N	104° 15' 48.301 W	



Plan: Design #1 (Anschutz State 5-62-26-3340CH2/Wellbore #1)

Created By: Ricky Osburn Date: 15:06, May 18 2015

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

Site		Sec.26-T5N-R62W			
Site Position:		Northing:	1,382,286.736 usft	Latitude:	40° 22' 35.580 N
From:	Lat/Long	Easting:	3,334,831.533 usft	Longitude:	104° 17' 53.362 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.78 °

Well	Anschutz State 5-62-26-3340CH2					
Well Position	+N/-S	-2,470.29 usft	Northing:	1,379,813.784 usft	Latitude:	40° 22' 11.168 N
	+E/-W	-213.43 usft	Easting:	3,334,651.598 usft	Longitude:	104° 17' 56.119 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,640.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2014/08/05	8.19	66.99	52,834

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	88.68

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	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	0.00	
1,197.69	5.95	310.13	1,197.16	9.96	-11.82	2.00	2.00	0.00	310.13	
5,020.54	5.95	310.13	4,999.38	265.51	-315.02	0.00	0.00	0.00	0.00	
5,318.23	0.00	0.00	5,296.54	275.47	-326.84	2.00	-2.00	0.00	180.00	
5,818.23	0.00	0.00	5,796.54	275.47	-326.84	0.00	0.00	0.00	0.00	
6,570.44	90.26	88.68	6,274.00	286.48	152.70	12.00	12.00	0.00	88.68	Anschutz State 5-62-2
16,313.12	90.26	88.68	6,229.00	510.18	9,892.72	0.00	0.00	0.00	0.00	Anschutz State 5-62-2

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	2.00	310.13	999.98	1.12	-1.33	-1.31	2.00	2.00	0.00
1,100.00	4.00	310.13	1,099.84	4.50	-5.34	-5.23	2.00	2.00	0.00
<b>Start 3822.84 hold at 1197.69 MD</b>									
1,197.69	5.95	310.13	1,197.16	9.96	-11.82	-11.58	2.00	2.00	0.00
1,200.00	5.95	310.13	1,199.45	10.11	-12.00	-11.76	0.00	0.00	0.00
1,300.00	5.95	310.13	1,298.91	16.80	-19.93	-19.54	0.00	0.00	0.00
1,400.00	5.95	310.13	1,398.37	23.48	-27.86	-27.31	0.00	0.00	0.00
1,500.00	5.95	310.13	1,497.83	30.17	-35.79	-35.09	0.00	0.00	0.00
1,600.00	5.95	310.13	1,597.29	36.85	-43.73	-42.86	0.00	0.00	0.00
1,700.00	5.95	310.13	1,696.75	43.54	-51.66	-50.64	0.00	0.00	0.00
1,800.00	5.95	310.13	1,796.22	50.22	-59.59	-58.42	0.00	0.00	0.00
1,900.00	5.95	310.13	1,895.68	56.91	-67.52	-66.19	0.00	0.00	0.00
2,000.00	5.95	310.13	1,995.14	63.59	-75.45	-73.97	0.00	0.00	0.00
2,100.00	5.95	310.13	2,094.60	70.28	-83.38	-81.74	0.00	0.00	0.00
2,200.00	5.95	310.13	2,194.06	76.96	-91.31	-89.52	0.00	0.00	0.00
2,300.00	5.95	310.13	2,293.52	83.65	-99.25	-97.29	0.00	0.00	0.00
2,400.00	5.95	310.13	2,392.98	90.33	-107.18	-105.07	0.00	0.00	0.00
2,500.00	5.95	310.13	2,492.44	97.02	-115.11	-112.84	0.00	0.00	0.00
2,600.00	5.95	310.13	2,591.90	103.70	-123.04	-120.62	0.00	0.00	0.00
2,700.00	5.95	310.13	2,691.36	110.39	-130.97	-128.39	0.00	0.00	0.00
2,800.00	5.95	310.13	2,790.82	117.07	-138.90	-136.17	0.00	0.00	0.00
2,900.00	5.95	310.13	2,890.28	123.76	-146.83	-143.94	0.00	0.00	0.00
3,000.00	5.95	310.13	2,989.74	130.44	-154.77	-151.72	0.00	0.00	0.00
3,100.00	5.95	310.13	3,089.20	137.13	-162.70	-159.49	0.00	0.00	0.00
3,200.00	5.95	310.13	3,188.66	143.81	-170.63	-167.27	0.00	0.00	0.00
3,300.00	5.95	310.13	3,288.12	150.50	-178.56	-175.05	0.00	0.00	0.00
3,400.00	5.95	310.13	3,387.58	157.18	-186.49	-182.82	0.00	0.00	0.00
3,500.00	5.95	310.13	3,487.05	163.87	-194.42	-190.60	0.00	0.00	0.00
3,600.00	5.95	310.13	3,586.51	170.55	-202.35	-198.37	0.00	0.00	0.00
3,700.00	5.95	310.13	3,685.97	177.23	-210.29	-206.15	0.00	0.00	0.00
3,800.00	5.95	310.13	3,785.43	183.92	-218.22	-213.92	0.00	0.00	0.00
3,900.00	5.95	310.13	3,884.89	190.60	-226.15	-221.70	0.00	0.00	0.00
4,000.00	5.95	310.13	3,984.35	197.29	-234.08	-229.47	0.00	0.00	0.00
<b>Sussex</b>									
4,046.96	5.95	310.13	4,031.06	200.43	-237.80	-233.12	0.00	0.00	0.00
4,100.00	5.95	310.13	4,083.81	203.97	-242.01	-237.25	0.00	0.00	0.00
4,200.00	5.95	310.13	4,183.27	210.66	-249.94	-245.02	0.00	0.00	0.00
4,300.00	5.95	310.13	4,282.73	217.34	-257.87	-252.80	0.00	0.00	0.00
4,400.00	5.95	310.13	4,382.19	224.03	-265.81	-260.57	0.00	0.00	0.00
4,500.00	5.95	310.13	4,481.65	230.71	-273.74	-268.35	0.00	0.00	0.00
4,600.00	5.95	310.13	4,581.11	237.40	-281.67	-276.13	0.00	0.00	0.00
4,700.00	5.95	310.13	4,680.57	244.08	-289.60	-283.90	0.00	0.00	0.00

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)
4,800.00	5.95	310.13	4,780.03	250.77	-297.53	-291.68	0.00	0.00	0.00
<b>Shannon</b>									
4,859.63	5.95	310.13	4,839.34	254.75	-302.26	-296.31	0.00	0.00	0.00
4,900.00	5.95	310.13	4,879.49	257.45	-305.46	-299.45	0.00	0.00	0.00
5,000.00	5.95	310.13	4,978.95	264.14	-313.39	-307.23	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
5,020.54	5.95	310.13	4,999.38	265.51	-315.02	-308.82	0.00	0.00	0.00
5,100.00	4.36	310.13	5,078.52	270.12	-320.49	-314.18	2.00	-2.00	0.00
5,200.00	2.36	310.13	5,178.34	273.90	-324.97	-318.58	2.00	-2.00	0.00
5,300.00	0.36	310.13	5,278.31	275.43	-326.80	-320.36	2.00	-2.00	0.00
<b>Start 500.00 hold at 5318.23 MD</b>									
5,318.23	0.00	0.00	5,296.54	275.47	-326.84	-320.41	2.00	-2.00	0.00
5,400.00	0.00	0.00	5,378.31	275.47	-326.84	-320.41	0.00	0.00	0.00
5,500.00	0.00	0.00	5,478.31	275.47	-326.84	-320.41	0.00	0.00	0.00
5,600.00	0.00	0.00	5,578.31	275.47	-326.84	-320.41	0.00	0.00	0.00
5,700.00	0.00	0.00	5,678.31	275.47	-326.84	-320.41	0.00	0.00	0.00
5,800.00	0.00	0.00	5,778.31	275.47	-326.84	-320.41	0.00	0.00	0.00
<b>Start Build 12.00</b>									
5,818.23	0.00	0.00	5,796.54	275.47	-326.84	-320.41	0.00	0.00	0.00
5,825.00	0.81	88.68	5,803.31	275.47	-326.79	-320.36	12.00	12.00	0.00
5,850.00	3.81	88.68	5,828.28	275.49	-325.78	-319.35	12.00	12.00	0.00
5,875.00	6.81	88.68	5,853.17	275.55	-323.47	-317.04	12.00	12.00	0.00
5,900.00	9.81	88.68	5,877.91	275.63	-319.86	-313.42	12.00	12.00	0.00
5,925.00	12.81	88.68	5,902.42	275.74	-314.96	-308.52	12.00	12.00	0.00
5,950.00	15.81	88.68	5,926.64	275.88	-308.78	-302.34	12.00	12.00	0.00
5,975.00	18.81	88.68	5,950.51	276.06	-301.34	-294.90	12.00	12.00	0.00
<b>Sharon Springs</b>									
5,995.01	21.21	88.68	5,969.31	276.21	-294.50	-288.05	12.00	12.00	0.00
6,000.00	21.81	88.68	5,973.95	276.25	-292.67	-286.22	12.00	12.00	0.00
6,025.00	24.81	88.68	5,996.91	276.48	-282.78	-276.33	12.00	12.00	0.00
6,050.00	27.81	88.68	6,019.31	276.74	-271.70	-265.25	12.00	12.00	0.00
6,075.00	30.81	88.68	6,041.11	277.02	-259.46	-253.01	12.00	12.00	0.00
6,100.00	33.81	88.68	6,062.24	277.32	-246.11	-239.65	12.00	12.00	0.00
<b>Niobrara</b>									
6,118.05	35.98	88.68	6,077.04	277.56	-235.78	-229.33	12.00	12.00	0.00
6,125.00	36.81	88.68	6,082.63	277.66	-231.66	-225.20	12.00	12.00	0.00
6,150.00	39.81	88.68	6,102.25	278.01	-216.17	-209.71	12.00	12.00	0.00
<b>A Chalk</b>									
6,173.45	42.63	88.68	6,119.88	278.37	-200.72	-194.26	12.00	12.00	0.00
6,175.00	42.81	88.68	6,121.02	278.39	-199.67	-193.20	12.00	12.00	0.00
6,200.00	45.81	88.68	6,138.91	278.79	-182.21	-175.74	12.00	12.00	0.00
6,225.00	48.81	88.68	6,155.86	279.21	-163.84	-157.37	12.00	12.00	0.00
6,250.00	51.81	88.68	6,171.82	279.66	-144.61	-138.13	12.00	12.00	0.00
<b>B Chalk</b>									
6,259.46	52.95	88.68	6,177.59	279.83	-137.13	-130.64	12.00	12.00	0.00
6,275.00	54.81	88.68	6,186.76	280.12	-124.57	-118.09	12.00	12.00	0.00
6,300.00	57.81	88.68	6,200.62	280.59	-103.78	-97.29	12.00	12.00	0.00
6,325.00	60.81	88.68	6,213.38	281.09	-82.29	-75.79	12.00	12.00	0.00
6,350.00	63.81	88.68	6,224.99	281.59	-60.16	-53.66	12.00	12.00	0.00
6,375.00	66.81	88.68	6,235.43	282.12	-37.45	-30.94	12.00	12.00	0.00
6,400.00	69.81	88.68	6,244.67	282.65	-14.23	-7.72	12.00	12.00	0.00
6,425.00	72.81	88.68	6,252.68	283.19	9.44	15.96	12.00	12.00	0.00
<b>Top C Target</b>									

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)
6,429.21	73.32	88.68	6,253.91	283.29	13.47	20.00	12.00	12.00	0.00
6,450.00	75.81	88.68	6,259.44	283.75	33.50	40.03	12.00	12.00	0.00
6,475.00	78.81	88.68	6,264.93	284.31	57.88	64.42	12.00	12.00	0.00
6,500.00	81.81	88.68	6,269.14	284.87	82.52	89.06	12.00	12.00	0.00
6,525.00	84.81	88.68	6,272.05	285.44	107.34	113.88	12.00	12.00	0.00
6,550.00	87.81	88.68	6,273.66	286.01	132.28	138.83	12.00	12.00	0.00
Start 9742.68 hold at 6570.44 MD - 7" Csg.									
6,570.44	90.26	88.68	6,274.00	286.48	152.71	159.26	12.00	12.00	0.00
6,600.00	90.26	88.68	6,273.86	287.16	182.26	188.82	0.00	0.00	0.00
6,700.00	90.26	88.68	6,273.40	289.46	282.23	288.82	0.00	0.00	0.00
6,800.00	90.26	88.68	6,272.94	291.75	382.20	388.82	0.00	0.00	0.00
6,900.00	90.26	88.68	6,272.48	294.05	482.18	488.82	0.00	0.00	0.00
7,000.00	90.26	88.68	6,272.02	296.35	582.15	588.82	0.00	0.00	0.00
7,100.00	90.26	88.68	6,271.55	298.64	682.12	688.82	0.00	0.00	0.00
7,200.00	90.26	88.68	6,271.09	300.94	782.09	788.82	0.00	0.00	0.00
7,300.00	90.26	88.68	6,270.63	303.23	882.07	888.82	0.00	0.00	0.00
7,400.00	90.26	88.68	6,270.17	305.53	982.04	988.82	0.00	0.00	0.00
7,500.00	90.26	88.68	6,269.71	307.83	1,082.01	1,088.81	0.00	0.00	0.00
7,600.00	90.26	88.68	6,269.24	310.12	1,181.98	1,188.81	0.00	0.00	0.00
7,700.00	90.26	88.68	6,268.78	312.42	1,281.96	1,288.81	0.00	0.00	0.00
7,800.00	90.26	88.68	6,268.32	314.71	1,381.93	1,388.81	0.00	0.00	0.00
7,900.00	90.26	88.68	6,267.86	317.01	1,481.90	1,488.81	0.00	0.00	0.00
8,000.00	90.26	88.68	6,267.40	319.31	1,581.87	1,588.81	0.00	0.00	0.00
8,100.00	90.26	88.68	6,266.93	321.60	1,681.85	1,688.81	0.00	0.00	0.00
8,200.00	90.26	88.68	6,266.47	323.90	1,781.82	1,788.81	0.00	0.00	0.00
8,300.00	90.26	88.68	6,266.01	326.19	1,881.79	1,888.81	0.00	0.00	0.00
8,400.00	90.26	88.68	6,265.55	328.49	1,981.76	1,988.81	0.00	0.00	0.00
8,500.00	90.26	88.68	6,265.09	330.79	2,081.74	2,088.80	0.00	0.00	0.00
8,600.00	90.26	88.68	6,264.63	333.08	2,181.71	2,188.80	0.00	0.00	0.00
8,700.00	90.26	88.68	6,264.16	335.38	2,281.68	2,288.80	0.00	0.00	0.00
8,800.00	90.26	88.68	6,263.70	337.67	2,381.65	2,388.80	0.00	0.00	0.00
8,900.00	90.26	88.68	6,263.24	339.97	2,481.63	2,488.80	0.00	0.00	0.00
9,000.00	90.26	88.68	6,262.78	342.27	2,581.60	2,588.80	0.00	0.00	0.00
9,100.00	90.26	88.68	6,262.32	344.56	2,681.57	2,688.80	0.00	0.00	0.00
9,200.00	90.26	88.68	6,261.85	346.86	2,781.54	2,788.80	0.00	0.00	0.00
9,300.00	90.26	88.68	6,261.39	349.15	2,881.52	2,888.80	0.00	0.00	0.00
9,400.00	90.26	88.68	6,260.93	351.45	2,981.49	2,988.79	0.00	0.00	0.00
9,500.00	90.26	88.68	6,260.47	353.75	3,081.46	3,088.79	0.00	0.00	0.00
9,600.00	90.26	88.68	6,260.01	356.04	3,181.43	3,188.79	0.00	0.00	0.00
9,700.00	90.26	88.68	6,259.54	358.34	3,281.41	3,288.79	0.00	0.00	0.00
9,800.00	90.26	88.68	6,259.08	360.63	3,381.38	3,388.79	0.00	0.00	0.00
9,900.00	90.26	88.68	6,258.62	362.93	3,481.35	3,488.79	0.00	0.00	0.00
10,000.00	90.26	88.68	6,258.16	365.23	3,581.33	3,588.79	0.00	0.00	0.00
10,100.00	90.26	88.68	6,257.70	367.52	3,681.30	3,688.79	0.00	0.00	0.00
10,200.00	90.26	88.68	6,257.24	369.82	3,781.27	3,788.79	0.00	0.00	0.00
10,300.00	90.26	88.68	6,256.77	372.11	3,881.24	3,888.78	0.00	0.00	0.00
10,400.00	90.26	88.68	6,256.31	374.41	3,981.22	3,988.78	0.00	0.00	0.00
10,500.00	90.26	88.68	6,255.85	376.71	4,081.19	4,088.78	0.00	0.00	0.00
10,600.00	90.26	88.68	6,255.39	379.00	4,181.16	4,188.78	0.00	0.00	0.00
10,700.00	90.26	88.68	6,254.93	381.30	4,281.13	4,288.78	0.00	0.00	0.00
10,800.00	90.26	88.68	6,254.46	383.59	4,381.11	4,388.78	0.00	0.00	0.00
10,900.00	90.26	88.68	6,254.00	385.89	4,481.08	4,488.78	0.00	0.00	0.00
11,000.00	90.26	88.68	6,253.54	388.19	4,581.05	4,588.78	0.00	0.00	0.00

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)	
11,100.00	90.26	88.68	6,253.08	390.48	4,681.02	4,688.78	0.00	0.00	0.00	
11,200.00	90.26	88.68	6,252.62	392.78	4,781.00	4,788.78	0.00	0.00	0.00	
11,300.00	90.26	88.68	6,252.15	395.07	4,880.97	4,888.77	0.00	0.00	0.00	
11,400.00	90.26	88.68	6,251.69	397.37	4,980.94	4,988.77	0.00	0.00	0.00	
11,500.00	90.26	88.68	6,251.23	399.67	5,080.91	5,088.77	0.00	0.00	0.00	
11,600.00	90.26	88.68	6,250.77	401.96	5,180.89	5,188.77	0.00	0.00	0.00	
11,700.00	90.26	88.68	6,250.31	404.26	5,280.86	5,288.77	0.00	0.00	0.00	
11,800.00	90.26	88.68	6,249.85	406.55	5,380.83	5,388.77	0.00	0.00	0.00	
11,900.00	90.26	88.68	6,249.38	408.85	5,480.80	5,488.77	0.00	0.00	0.00	
12,000.00	90.26	88.68	6,248.92	411.15	5,580.78	5,588.77	0.00	0.00	0.00	
12,100.00	90.26	88.68	6,248.46	413.44	5,680.75	5,688.77	0.00	0.00	0.00	
12,200.00	90.26	88.68	6,248.00	415.74	5,780.72	5,788.76	0.00	0.00	0.00	
12,300.00	90.26	88.68	6,247.54	418.03	5,880.69	5,888.76	0.00	0.00	0.00	
12,400.00	90.26	88.68	6,247.07	420.33	5,980.67	5,988.76	0.00	0.00	0.00	
12,500.00	90.26	88.68	6,246.61	422.63	6,080.64	6,088.76	0.00	0.00	0.00	
12,600.00	90.26	88.68	6,246.15	424.92	6,180.61	6,188.76	0.00	0.00	0.00	
12,700.00	90.26	88.68	6,245.69	427.22	6,280.58	6,288.76	0.00	0.00	0.00	
12,800.00	90.26	88.68	6,245.23	429.51	6,380.56	6,388.76	0.00	0.00	0.00	
12,900.00	90.26	88.68	6,244.76	431.81	6,480.53	6,488.76	0.00	0.00	0.00	
13,000.00	90.26	88.68	6,244.30	434.11	6,580.50	6,588.76	0.00	0.00	0.00	
13,100.00	90.26	88.68	6,243.84	436.40	6,680.47	6,688.76	0.00	0.00	0.00	
13,200.00	90.26	88.68	6,243.38	438.70	6,780.45	6,788.75	0.00	0.00	0.00	
13,300.00	90.26	88.68	6,242.92	440.99	6,880.42	6,888.75	0.00	0.00	0.00	
13,400.00	90.26	88.68	6,242.46	443.29	6,980.39	6,988.75	0.00	0.00	0.00	
13,500.00	90.26	88.68	6,241.99	445.59	7,080.37	7,088.75	0.00	0.00	0.00	
13,600.00	90.26	88.68	6,241.53	447.88	7,180.34	7,188.75	0.00	0.00	0.00	
13,700.00	90.26	88.68	6,241.07	450.18	7,280.31	7,288.75	0.00	0.00	0.00	
13,800.00	90.26	88.68	6,240.61	452.47	7,380.28	7,388.75	0.00	0.00	0.00	
13,900.00	90.26	88.68	6,240.15	454.77	7,480.26	7,488.75	0.00	0.00	0.00	
14,000.00	90.26	88.68	6,239.68	457.07	7,580.23	7,588.75	0.00	0.00	0.00	
14,100.00	90.26	88.68	6,239.22	459.36	7,680.20	7,688.74	0.00	0.00	0.00	
14,200.00	90.26	88.68	6,238.76	461.66	7,780.17	7,788.74	0.00	0.00	0.00	
14,300.00	90.26	88.68	6,238.30	463.95	7,880.15	7,888.74	0.00	0.00	0.00	
14,400.00	90.26	88.68	6,237.84	466.25	7,980.12	7,988.74	0.00	0.00	0.00	
14,500.00	90.26	88.68	6,237.37	468.55	8,080.09	8,088.74	0.00	0.00	0.00	
14,600.00	90.26	88.68	6,236.91	470.84	8,180.06	8,188.74	0.00	0.00	0.00	
14,700.00	90.26	88.68	6,236.45	473.14	8,280.04	8,288.74	0.00	0.00	0.00	
14,800.00	90.26	88.68	6,235.99	475.43	8,380.01	8,388.74	0.00	0.00	0.00	
14,900.00	90.26	88.68	6,235.53	477.73	8,479.98	8,488.74	0.00	0.00	0.00	
15,000.00	90.26	88.68	6,235.07	480.03	8,579.95	8,588.73	0.00	0.00	0.00	
15,100.00	90.26	88.68	6,234.60	482.32	8,679.93	8,688.73	0.00	0.00	0.00	
15,200.00	90.26	88.68	6,234.14	484.62	8,779.90	8,788.73	0.00	0.00	0.00	
15,300.00	90.26	88.68	6,233.68	486.91	8,879.87	8,888.73	0.00	0.00	0.00	
15,400.00	90.26	88.68	6,233.22	489.21	8,979.84	8,988.73	0.00	0.00	0.00	
15,500.00	90.26	88.68	6,232.76	491.51	9,079.82	9,088.73	0.00	0.00	0.00	
15,600.00	90.26	88.68	6,232.29	493.80	9,179.79	9,188.73	0.00	0.00	0.00	
15,700.00	90.26	88.68	6,231.83	496.10	9,279.76	9,288.73	0.00	0.00	0.00	
15,800.00	90.26	88.68	6,231.37	498.39	9,379.73	9,388.73	0.00	0.00	0.00	
15,900.00	90.26	88.68	6,230.91	500.69	9,479.71	9,488.73	0.00	0.00	0.00	
16,000.00	90.26	88.68	6,230.45	502.99	9,579.68	9,588.72	0.00	0.00	0.00	
16,100.00	90.26	88.68	6,229.98	505.28	9,679.65	9,688.72	0.00	0.00	0.00	
16,200.00	90.26	88.68	6,229.52	507.58	9,779.62	9,788.72	0.00	0.00	0.00	
16,300.00	90.26	88.68	6,229.06	509.87	9,879.60	9,888.72	0.00	0.00	0.00	
TD at 16313.12										

<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Anschutz State 5-62-26-3340CH2
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Project:</b>	Weld Co., CO	<b>MD Reference:</b>	WELL @ 4656.00usft (Original Well Elev)
<b>Site:</b>	Sec.26-T5N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	Anschutz State 5-62-26-3340CH2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned 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)	
16,313.12	90.26	88.68	6,229.00	510.18	9,892.72	9,901.84	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Anschutz State 5-62-26-	0.00	0.00	6,229.00	510.18	9,892.72	1,380,457.903	3,344,536.496	40° 22' 16.190 N	104° 15' 48.301 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
6,570.44	6,274.00	7" Csg.	7	8-3/4	

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,046.96	4,030.00	Sussex		-0.26	88.68
4,859.63	4,838.00	Shannon		-0.26	88.68
5,995.01	5,968.00	Sharon Springs		-0.26	88.68
6,118.05	6,076.00	Niobrara		-0.26	88.68
6,173.45	6,119.00	A Chalk		-0.26	88.68
6,259.46	6,177.00	B Chalk		-0.26	88.68
6,429.21	6,254.00	Top C Target		-0.26	88.68

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
900.00	900.00	0.00	0.00	Start Build 2.00
1,197.69	1,197.16	9.96	-11.82	Start 3822.84 hold at 1197.69 MD
5,020.54	4,999.38	265.51	-315.02	Start Drop -2.00
5,318.23	5,296.54	275.47	-326.84	Start 500.00 hold at 5318.23 MD
5,818.23	5,796.54	275.47	-326.84	Start Build 12.00
6,570.44	6,274.00	286.48	152.70	Start 9742.68 hold at 6570.44 MD
16,313.12	6,229.00	510.18	9,892.72	TD at 16313.12