



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.35-T5N-R62W

Anschutz State 5-62-35-4956C2

Wellbore #1

Plan: Design #1

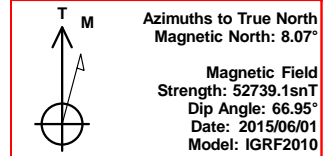
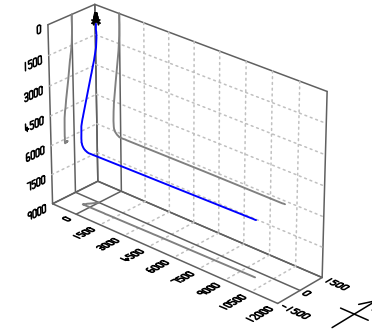
Standard Planning Report

01 June, 2015



Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.35-T5N-R62W
Well: Anschutz State 5-62-35-4956C2
Wellbore: Wellbore #1
Design: Design #1
Lat: 40° 21' 11.819 N
Long: 104° 17' 54.532 W
Pad GL: 4580.00
KB: Well @ 4596.00usft

Archer



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	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
1464.05	11.28	215.44	1460.41	-45.10	-32.09	2.00	215.44	-32.85	Start 3289.26 hold at 1464.05 MD
4753.31	11.28	215.44	4686.13	-569.34	-405.18	0.00	0.00	-414.76	Start Drop -2.00
5317.37	0.00	0.00	5246.54	-614.44	-437.27	2.00	180.00	-447.61	Start 500.01 hold at 5317.37 MD
5817.38	0.00	0.00	5746.55	-614.44	-437.27	0.00	0.00	-447.61	Start Build 12.00
6570.45	90.37	89.03	6224.00	-606.32	43.20	12.00	89.03	32.93	Start 9787.57 hold at 6570.45 MD
16358.02	90.37	89.03	6161.00	-441.02	9829.17	0.00	0.00	9820.29	TD at 16358.02

WELL DETAILS: Anschutz State 5-62-35-4956C2

+N/-S	+E/-W	Northing	Ground Level: Easting	4580.00 Latitude	Longitude	Slot
0.00	0.00	1373810.251	3334855.838	40° 21' 11.819 N	104° 17' 54.532 W	

PROJECT DETAILS: Weld Co., CO

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

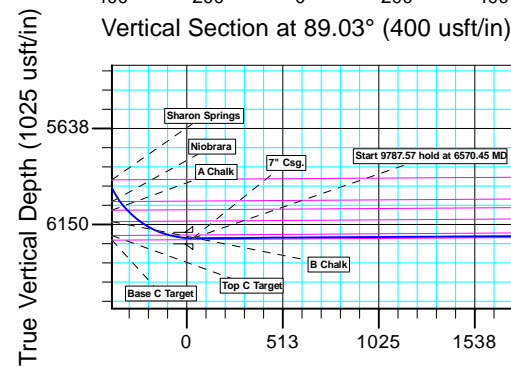
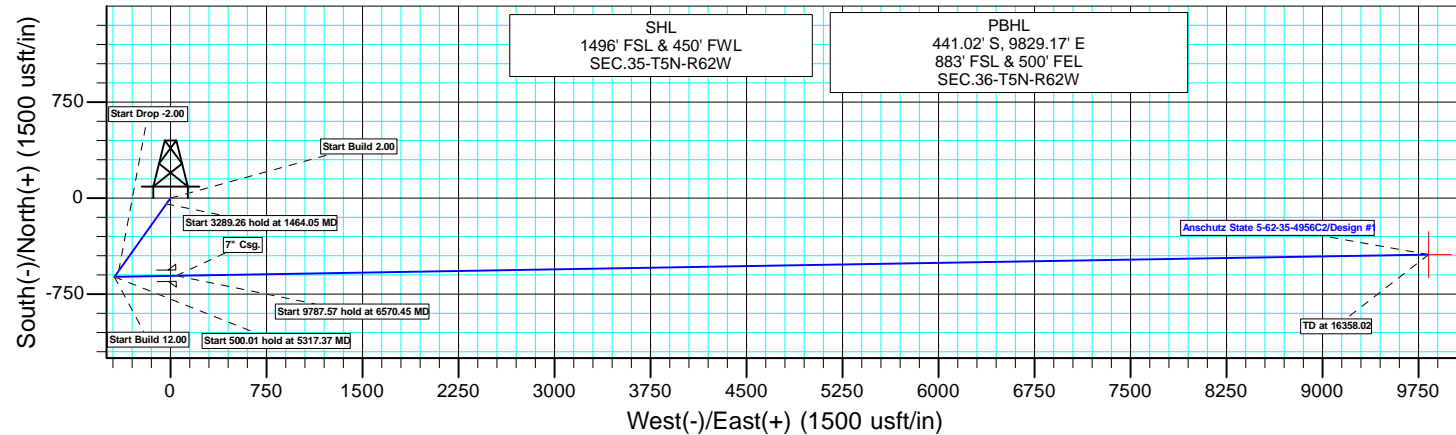
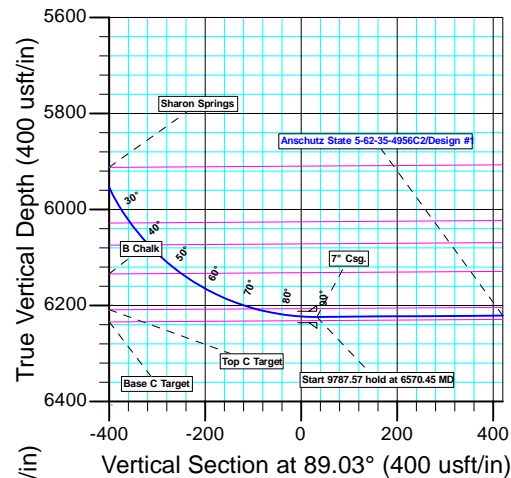
System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name
6224.00	6570.45	7" Csg.

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Anschutz State 5-62-35-4956C2 tgt	6161.00	-441.02	9829.17	40° 21' 7.441 N	104° 15' 47.570 W	Point



Vertical Section at 89.03° (1025 usft/in)

Plan: Design #1 (Anschutz State 5-62-35-4956C2/Wellbore #1)

Created By: Ricky Osburn Date: 14:31, June 01 2015

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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.35-T5N-R62W			
Site Position:		Northing:	1,375,286.395 usft	Latitude:	40° 21' 26.420 N
From:	Lat/Long	Easting:	3,334,739.959 usft	Longitude:	104° 17' 55.770 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.78 °

Well	Anschutz State 5-62-35-4956C2					
Well Position	+N/-S	-1,477.58 usft	Northing:	1,373,810.251 usft	Latitude:	40° 21' 11.819 N
	+E/-W	95.87 usft	Easting:	3,334,855.838 usft	Longitude:	104° 17' 54.532 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,580.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2015/06/01	8.07	66.95	52,739

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.03

Plan Sections										
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	
1,464.05	11.28	215.44	1,460.41	-45.10	-32.09	2.00	2.00	0.00	215.44	
4,753.31	11.28	215.44	4,686.13	-569.34	-405.18	0.00	0.00	0.00	0.00	
5,317.37	0.00	0.00	5,246.54	-614.44	-437.27	2.00	-2.00	0.00	180.00	
5,817.38	0.00	0.00	5,746.55	-614.44	-437.27	0.00	0.00	0.00	0.00	
6,570.45	90.37	89.03	6,224.00	-606.32	43.20	12.00	12.00	0.00	89.03	Anschutz State 5-62-35-4956C2
16,358.02	90.37	89.03	6,161.00	-441.02	9,829.17	0.00	0.00	0.00	0.00	Anschutz State 5-62-35-4956C2

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
Start Build 2.00									
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	215.44	999.98	-1.42	-1.01	-1.04	2.00	2.00	0.00
1,100.00	4.00	215.44	1,099.84	-5.69	-4.05	-4.14	2.00	2.00	0.00
1,200.00	6.00	215.44	1,199.45	-12.79	-9.10	-9.31	2.00	2.00	0.00
1,300.00	8.00	215.44	1,298.70	-22.72	-16.17	-16.55	2.00	2.00	0.00
1,400.00	10.00	215.44	1,397.47	-35.46	-25.24	-25.83	2.00	2.00	0.00
Start 3289.26 hold at 1464.05 MD									
1,464.05	11.28	215.44	1,460.41	-45.10	-32.09	-32.85	2.00	2.00	0.00
1,500.00	11.28	215.44	1,495.67	-50.83	-36.17	-37.03	0.00	0.00	0.00
1,600.00	11.28	215.44	1,593.74	-66.76	-47.51	-48.64	0.00	0.00	0.00
1,700.00	11.28	215.44	1,691.80	-82.70	-58.85	-60.25	0.00	0.00	0.00
1,800.00	11.28	215.44	1,789.87	-98.64	-70.20	-71.86	0.00	0.00	0.00
1,900.00	11.28	215.44	1,887.94	-114.58	-81.54	-83.47	0.00	0.00	0.00
2,000.00	11.28	215.44	1,986.01	-130.52	-92.88	-95.08	0.00	0.00	0.00
2,100.00	11.28	215.44	2,084.08	-146.45	-104.23	-106.69	0.00	0.00	0.00
2,200.00	11.28	215.44	2,182.14	-162.39	-115.57	-118.30	0.00	0.00	0.00
2,300.00	11.28	215.44	2,280.21	-178.33	-126.91	-129.91	0.00	0.00	0.00
2,400.00	11.28	215.44	2,378.28	-194.27	-138.25	-141.52	0.00	0.00	0.00
2,500.00	11.28	215.44	2,476.35	-210.21	-149.60	-153.13	0.00	0.00	0.00
2,600.00	11.28	215.44	2,574.42	-226.15	-160.94	-164.74	0.00	0.00	0.00
2,700.00	11.28	215.44	2,672.48	-242.08	-172.28	-176.35	0.00	0.00	0.00
2,800.00	11.28	215.44	2,770.55	-258.02	-183.62	-187.96	0.00	0.00	0.00
2,900.00	11.28	215.44	2,868.62	-273.96	-194.97	-199.58	0.00	0.00	0.00
3,000.00	11.28	215.44	2,966.69	-289.90	-206.31	-211.19	0.00	0.00	0.00
3,100.00	11.28	215.44	3,064.76	-305.84	-217.65	-222.80	0.00	0.00	0.00
3,200.00	11.28	215.44	3,162.82	-321.77	-228.99	-234.41	0.00	0.00	0.00
3,300.00	11.28	215.44	3,260.89	-337.71	-240.34	-246.02	0.00	0.00	0.00
3,400.00	11.28	215.44	3,358.96	-353.65	-251.68	-257.63	0.00	0.00	0.00
3,500.00	11.28	215.44	3,457.03	-369.59	-263.02	-269.24	0.00	0.00	0.00
3,600.00	11.28	215.44	3,555.09	-385.53	-274.36	-280.85	0.00	0.00	0.00
3,700.00	11.28	215.44	3,653.16	-401.47	-285.71	-292.46	0.00	0.00	0.00
3,800.00	11.28	215.44	3,751.23	-417.40	-297.05	-304.07	0.00	0.00	0.00
3,900.00	11.28	215.44	3,849.30	-433.34	-308.39	-315.68	0.00	0.00	0.00
4,000.00	11.28	215.44	3,947.37	-449.28	-319.73	-327.29	0.00	0.00	0.00
4,100.00	11.28	215.44	4,045.43	-465.22	-331.08	-338.90	0.00	0.00	0.00
4,200.00	11.28	215.44	4,143.50	-481.16	-342.42	-350.51	0.00	0.00	0.00
4,300.00	11.28	215.44	4,241.57	-497.09	-353.76	-362.12	0.00	0.00	0.00
Sussex									
4,301.80	11.28	215.44	4,243.34	-497.38	-353.96	-362.33	0.00	0.00	0.00
4,400.00	11.28	215.44	4,339.64	-513.03	-365.10	-373.74	0.00	0.00	0.00
4,500.00	11.28	215.44	4,437.71	-528.97	-376.45	-385.35	0.00	0.00	0.00
4,600.00	11.28	215.44	4,535.77	-544.91	-387.79	-396.96	0.00	0.00	0.00
4,700.00	11.28	215.44	4,633.84	-560.85	-399.13	-408.57	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
Start Drop -2.00									
4,753.31	11.28	215.44	4,686.13	-569.34	-405.18	-414.76	0.00	0.00	0.00
4,800.00	10.35	215.44	4,731.98	-576.48	-410.26	-419.96	2.00	-2.00	0.00
Shannon									
4,846.45	9.42	215.44	4,777.74	-582.98	-414.88	-424.69	2.00	-2.00	0.00
4,900.00	8.35	215.44	4,830.65	-589.71	-419.67	-429.60	2.00	-2.00	0.00
5,000.00	6.35	215.44	4,929.82	-600.13	-427.09	-437.19	2.00	-2.00	0.00
5,100.00	4.35	215.44	5,029.38	-607.72	-432.49	-442.72	2.00	-2.00	0.00
5,200.00	2.35	215.44	5,129.21	-612.48	-435.88	-446.18	2.00	-2.00	0.00
5,300.00	0.35	215.44	5,229.18	-614.40	-437.24	-447.58	2.00	-2.00	0.00
Start 500.01 hold at 5317.37 MD									
5,317.37	0.00	0.00	5,246.54	-614.44	-437.27	-447.61	2.00	-2.00	0.00
5,400.00	0.00	0.00	5,329.17	-614.44	-437.27	-447.61	0.00	0.00	0.00
5,500.00	0.00	0.00	5,429.17	-614.44	-437.27	-447.61	0.00	0.00	0.00
5,600.00	0.00	0.00	5,529.17	-614.44	-437.27	-447.61	0.00	0.00	0.00
5,700.00	0.00	0.00	5,629.17	-614.44	-437.27	-447.61	0.00	0.00	0.00
5,800.00	0.00	0.00	5,729.17	-614.44	-437.27	-447.61	0.00	0.00	0.00
Start Build 12.00									
5,817.38	0.00	0.00	5,746.55	-614.44	-437.27	-447.61	0.00	0.00	0.00
5,825.00	0.91	89.03	5,754.17	-614.44	-437.21	-447.55	12.00	12.00	0.00
5,850.00	3.91	89.03	5,779.15	-614.42	-436.16	-446.49	12.00	12.00	0.00
5,875.00	6.91	89.03	5,804.04	-614.38	-433.80	-444.14	12.00	12.00	0.00
5,900.00	9.91	89.03	5,828.76	-614.32	-430.14	-440.48	12.00	12.00	0.00
5,925.00	12.91	89.03	5,853.27	-614.24	-425.19	-435.53	12.00	12.00	0.00
5,950.00	15.91	89.03	5,877.48	-614.13	-418.97	-429.31	12.00	12.00	0.00
5,975.00	18.91	89.03	5,901.33	-614.00	-411.49	-421.83	12.00	12.00	0.00
Sharon Springs									
5,987.07	20.36	89.03	5,912.70	-613.94	-407.43	-417.77	12.00	12.00	0.00
6,000.00	21.91	89.03	5,924.75	-613.86	-402.77	-413.11	12.00	12.00	0.00
6,025.00	24.91	89.03	5,947.69	-613.69	-392.84	-403.17	12.00	12.00	0.00
6,050.00	27.91	89.03	5,970.08	-613.50	-381.72	-392.05	12.00	12.00	0.00
6,075.00	30.91	89.03	5,991.86	-613.29	-369.45	-379.78	12.00	12.00	0.00
6,100.00	33.91	89.03	6,012.96	-613.07	-356.05	-366.38	12.00	12.00	0.00
Niobrara									
6,118.74	36.16	89.03	6,028.30	-612.89	-345.29	-355.62	12.00	12.00	0.00
6,125.00	36.91	89.03	6,033.33	-612.82	-341.57	-351.89	12.00	12.00	0.00
6,150.00	39.91	89.03	6,052.92	-612.56	-326.04	-336.36	12.00	12.00	0.00
6,175.00	42.91	89.03	6,071.66	-612.28	-309.50	-319.82	12.00	12.00	0.00
A Chalk									
6,178.27	43.31	89.03	6,074.05	-612.24	-307.27	-317.59	12.00	12.00	0.00
6,200.00	45.91	89.03	6,089.52	-611.99	-292.01	-302.33	12.00	12.00	0.00
6,225.00	48.91	89.03	6,106.43	-611.68	-273.61	-283.92	12.00	12.00	0.00
6,250.00	51.91	89.03	6,122.36	-611.35	-254.35	-264.66	12.00	12.00	0.00
B Chalk									
6,268.71	54.16	89.03	6,133.61	-611.10	-239.40	-249.71	12.00	12.00	0.00
6,275.00	54.91	89.03	6,137.26	-611.01	-234.28	-244.59	12.00	12.00	0.00
6,300.00	57.91	89.03	6,151.09	-610.66	-213.46	-223.76	12.00	12.00	0.00
6,325.00	60.91	89.03	6,163.81	-610.30	-191.94	-202.24	12.00	12.00	0.00
6,350.00	63.91	89.03	6,175.38	-609.92	-169.79	-180.09	12.00	12.00	0.00
6,375.00	66.91	89.03	6,185.78	-609.54	-147.06	-157.36	12.00	12.00	0.00
6,400.00	69.91	89.03	6,194.98	-609.15	-123.82	-134.11	12.00	12.00	0.00
6,425.00	72.91	89.03	6,202.94	-608.75	-100.13	-110.42	12.00	12.00	0.00
Top C Target									

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
6,441.85	74.94	89.03	6,207.61	-608.47	-83.94	-94.23	12.00	12.00	0.00
6,450.00	75.91	89.03	6,209.66	-608.34	-76.05	-86.34	12.00	12.00	0.00
6,475.00	78.91	89.03	6,215.11	-607.93	-51.66	-61.94	12.00	12.00	0.00
6,500.00	81.91	89.03	6,219.27	-607.51	-27.02	-37.30	12.00	12.00	0.00
6,525.00	84.91	89.03	6,222.14	-607.09	-2.19	-12.46	12.00	12.00	0.00
6,550.00	87.91	89.03	6,223.70	-606.67	22.76	12.48	12.00	12.00	0.00
Start 9787.57 hold at 6570.45 MD - 7" Csg.									
6,570.45	90.37	89.03	6,224.00	-606.32	43.20	32.93	12.00	12.00	0.00
6,600.00	90.37	89.03	6,223.81	-605.82	72.75	62.48	0.00	0.00	0.00
6,700.00	90.37	89.03	6,223.17	-604.14	172.73	162.48	0.00	0.00	0.00
6,800.00	90.37	89.03	6,222.53	-602.45	272.71	262.48	0.00	0.00	0.00
6,900.00	90.37	89.03	6,221.88	-600.76	372.70	362.47	0.00	0.00	0.00
7,000.00	90.37	89.03	6,221.24	-599.07	472.68	462.47	0.00	0.00	0.00
7,100.00	90.37	89.03	6,220.60	-597.38	572.66	562.47	0.00	0.00	0.00
7,200.00	90.37	89.03	6,219.95	-595.69	672.65	662.47	0.00	0.00	0.00
7,300.00	90.37	89.03	6,219.31	-594.00	772.63	762.47	0.00	0.00	0.00
7,400.00	90.37	89.03	6,218.66	-592.31	872.62	862.46	0.00	0.00	0.00
7,500.00	90.37	89.03	6,218.02	-590.62	972.60	962.46	0.00	0.00	0.00
7,600.00	90.37	89.03	6,217.38	-588.94	1,072.58	1,062.46	0.00	0.00	0.00
7,700.00	90.37	89.03	6,216.73	-587.25	1,172.57	1,162.46	0.00	0.00	0.00
7,800.00	90.37	89.03	6,216.09	-585.56	1,272.55	1,262.46	0.00	0.00	0.00
7,900.00	90.37	89.03	6,215.45	-583.87	1,372.53	1,362.45	0.00	0.00	0.00
8,000.00	90.37	89.03	6,214.80	-582.18	1,472.52	1,462.45	0.00	0.00	0.00
8,100.00	90.37	89.03	6,214.16	-580.49	1,572.50	1,562.45	0.00	0.00	0.00
8,200.00	90.37	89.03	6,213.52	-578.80	1,672.48	1,662.45	0.00	0.00	0.00
8,300.00	90.37	89.03	6,212.87	-577.11	1,772.47	1,762.44	0.00	0.00	0.00
8,400.00	90.37	89.03	6,212.23	-575.42	1,872.45	1,862.44	0.00	0.00	0.00
8,500.00	90.37	89.03	6,211.58	-573.74	1,972.44	1,962.44	0.00	0.00	0.00
8,600.00	90.37	89.03	6,210.94	-572.05	2,072.42	2,062.44	0.00	0.00	0.00
8,700.00	90.37	89.03	6,210.30	-570.36	2,172.40	2,162.44	0.00	0.00	0.00
8,800.00	90.37	89.03	6,209.65	-568.67	2,272.39	2,262.43	0.00	0.00	0.00
8,900.00	90.37	89.03	6,209.01	-566.98	2,372.37	2,362.43	0.00	0.00	0.00
9,000.00	90.37	89.03	6,208.37	-565.29	2,472.35	2,462.43	0.00	0.00	0.00
9,100.00	90.37	89.03	6,207.72	-563.60	2,572.34	2,562.43	0.00	0.00	0.00
9,200.00	90.37	89.03	6,207.08	-561.91	2,672.32	2,662.43	0.00	0.00	0.00
9,300.00	90.37	89.03	6,206.43	-560.22	2,772.31	2,762.42	0.00	0.00	0.00
9,400.00	90.37	89.03	6,205.79	-558.54	2,872.29	2,862.42	0.00	0.00	0.00
9,500.00	90.37	89.03	6,205.15	-556.85	2,972.27	2,962.42	0.00	0.00	0.00
9,600.00	90.37	89.03	6,204.50	-555.16	3,072.26	3,062.42	0.00	0.00	0.00
9,700.00	90.37	89.03	6,203.86	-553.47	3,172.24	3,162.42	0.00	0.00	0.00
9,800.00	90.37	89.03	6,203.22	-551.78	3,272.22	3,262.41	0.00	0.00	0.00
9,900.00	90.37	89.03	6,202.57	-550.09	3,372.21	3,362.41	0.00	0.00	0.00
10,000.00	90.37	89.03	6,201.93	-548.40	3,472.19	3,462.41	0.00	0.00	0.00
10,100.00	90.37	89.03	6,201.28	-546.71	3,572.17	3,562.41	0.00	0.00	0.00
10,200.00	90.37	89.03	6,200.64	-545.02	3,672.16	3,662.41	0.00	0.00	0.00
10,300.00	90.37	89.03	6,200.00	-543.34	3,772.14	3,762.40	0.00	0.00	0.00
10,400.00	90.37	89.03	6,199.35	-541.65	3,872.13	3,862.40	0.00	0.00	0.00
10,500.00	90.37	89.03	6,198.71	-539.96	3,972.11	3,962.40	0.00	0.00	0.00
10,600.00	90.37	89.03	6,198.07	-538.27	4,072.09	4,062.40	0.00	0.00	0.00
10,700.00	90.37	89.03	6,197.42	-536.58	4,172.08	4,162.40	0.00	0.00	0.00
10,800.00	90.37	89.03	6,196.78	-534.89	4,272.06	4,262.39	0.00	0.00	0.00
10,900.00	90.37	89.03	6,196.13	-533.20	4,372.04	4,362.39	0.00	0.00	0.00
11,000.00	90.37	89.03	6,195.49	-531.51	4,472.03	4,462.39	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	90.37	89.03	6,194.85	-529.82	4,572.01	4,562.39	0.00	0.00	0.00
11,200.00	90.37	89.03	6,194.20	-528.14	4,671.99	4,662.38	0.00	0.00	0.00
11,300.00	90.37	89.03	6,193.56	-526.45	4,771.98	4,762.38	0.00	0.00	0.00
11,400.00	90.37	89.03	6,192.92	-524.76	4,871.96	4,862.38	0.00	0.00	0.00
11,500.00	90.37	89.03	6,192.27	-523.07	4,971.95	4,962.38	0.00	0.00	0.00
11,600.00	90.37	89.03	6,191.63	-521.38	5,071.93	5,062.38	0.00	0.00	0.00
11,700.00	90.37	89.03	6,190.98	-519.69	5,171.91	5,162.37	0.00	0.00	0.00
11,800.00	90.37	89.03	6,190.34	-518.00	5,271.90	5,262.37	0.00	0.00	0.00
11,900.00	90.37	89.03	6,189.70	-516.31	5,371.88	5,362.37	0.00	0.00	0.00
12,000.00	90.37	89.03	6,189.05	-514.62	5,471.86	5,462.37	0.00	0.00	0.00
12,100.00	90.37	89.03	6,188.41	-512.94	5,571.85	5,562.37	0.00	0.00	0.00
12,200.00	90.37	89.03	6,187.77	-511.25	5,671.83	5,662.36	0.00	0.00	0.00
12,300.00	90.37	89.03	6,187.12	-509.56	5,771.82	5,762.36	0.00	0.00	0.00
12,400.00	90.37	89.03	6,186.48	-507.87	5,871.80	5,862.36	0.00	0.00	0.00
12,500.00	90.37	89.03	6,185.83	-506.18	5,971.78	5,962.36	0.00	0.00	0.00
12,600.00	90.37	89.03	6,185.19	-504.49	6,071.77	6,062.36	0.00	0.00	0.00
12,700.00	90.37	89.03	6,184.55	-502.80	6,171.75	6,162.35	0.00	0.00	0.00
12,800.00	90.37	89.03	6,183.90	-501.11	6,271.73	6,262.35	0.00	0.00	0.00
12,900.00	90.37	89.03	6,183.26	-499.42	6,371.72	6,362.35	0.00	0.00	0.00
13,000.00	90.37	89.03	6,182.62	-497.74	6,471.70	6,462.35	0.00	0.00	0.00
13,100.00	90.37	89.03	6,181.97	-496.05	6,571.68	6,562.35	0.00	0.00	0.00
13,200.00	90.37	89.03	6,181.33	-494.36	6,671.67	6,662.34	0.00	0.00	0.00
13,300.00	90.37	89.03	6,180.69	-492.67	6,771.65	6,762.34	0.00	0.00	0.00
13,400.00	90.37	89.03	6,180.04	-490.98	6,871.64	6,862.34	0.00	0.00	0.00
13,500.00	90.37	89.03	6,179.40	-489.29	6,971.62	6,962.34	0.00	0.00	0.00
13,600.00	90.37	89.03	6,178.75	-487.60	7,071.60	7,062.33	0.00	0.00	0.00
13,700.00	90.37	89.03	6,178.11	-485.91	7,171.59	7,162.33	0.00	0.00	0.00
13,800.00	90.37	89.03	6,177.47	-484.22	7,271.57	7,262.33	0.00	0.00	0.00
13,900.00	90.37	89.03	6,176.82	-482.54	7,371.55	7,362.33	0.00	0.00	0.00
14,000.00	90.37	89.03	6,176.18	-480.85	7,471.54	7,462.33	0.00	0.00	0.00
14,100.00	90.37	89.03	6,175.54	-479.16	7,571.52	7,562.32	0.00	0.00	0.00
14,200.00	90.37	89.03	6,174.89	-477.47	7,671.50	7,662.32	0.00	0.00	0.00
14,300.00	90.37	89.03	6,174.25	-475.78	7,771.49	7,762.32	0.00	0.00	0.00
14,400.00	90.37	89.03	6,173.60	-474.09	7,871.47	7,862.32	0.00	0.00	0.00
14,500.00	90.37	89.03	6,172.96	-472.40	7,971.46	7,962.32	0.00	0.00	0.00
14,600.00	90.37	89.03	6,172.32	-470.71	8,071.44	8,062.31	0.00	0.00	0.00
14,700.00	90.37	89.03	6,171.67	-469.02	8,171.42	8,162.31	0.00	0.00	0.00
14,800.00	90.37	89.03	6,171.03	-467.34	8,271.41	8,262.31	0.00	0.00	0.00
14,900.00	90.37	89.03	6,170.39	-465.65	8,371.39	8,362.31	0.00	0.00	0.00
15,000.00	90.37	89.03	6,169.74	-463.96	8,471.37	8,462.31	0.00	0.00	0.00
15,100.00	90.37	89.03	6,169.10	-462.27	8,571.36	8,562.30	0.00	0.00	0.00
15,200.00	90.37	89.03	6,168.45	-460.58	8,671.34	8,662.30	0.00	0.00	0.00
15,300.00	90.37	89.03	6,167.81	-458.89	8,771.33	8,762.30	0.00	0.00	0.00
15,400.00	90.37	89.03	6,167.17	-457.20	8,871.31	8,862.30	0.00	0.00	0.00
15,500.00	90.37	89.03	6,166.52	-455.51	8,971.29	8,962.30	0.00	0.00	0.00
15,600.00	90.37	89.03	6,165.88	-453.82	9,071.28	9,062.29	0.00	0.00	0.00
15,700.00	90.37	89.03	6,165.24	-452.14	9,171.26	9,162.29	0.00	0.00	0.00
15,800.00	90.37	89.03	6,164.59	-450.45	9,271.24	9,262.29	0.00	0.00	0.00
15,900.00	90.37	89.03	6,163.95	-448.76	9,371.23	9,362.29	0.00	0.00	0.00
16,000.00	90.37	89.03	6,163.30	-447.07	9,471.21	9,462.29	0.00	0.00	0.00
16,100.00	90.37	89.03	6,162.66	-445.38	9,571.19	9,562.28	0.00	0.00	0.00
16,200.00	90.37	89.03	6,162.02	-443.69	9,671.18	9,662.28	0.00	0.00	0.00
16,300.00	90.37	89.03	6,161.37	-442.00	9,771.16	9,762.28	0.00	0.00	0.00
TD at 16358.02									

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-4956C2
Company:	Bill Barrett Corp.	TVD Reference:	Well @ 4596.00usft
Project:	Weld Co., CO	MD Reference:	Well @ 4596.00usft
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-4956C2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)	
16,358.02	90.37	89.03	6,161.00	-441.02	9,829.17	9,820.29	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 5-62-35-	0.00	0.00	6,161.00	-441.02	9,829.17	1,373,502.448	3,344,690.080	40° 21' 7.441 N		104° 15' 47.570 W
- plan hits target center										
- Point										

Casing Points							
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")		
6,570.45	6,224.00	7" Csg.		7	8-3/4		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,301.80	4,241.00	Sussex		-0.37	89.03	
4,846.45	4,775.00	Shannon		-0.37	89.03	
5,987.07	5,910.00	Sharon Springs		-0.37	89.03	
6,118.74	6,026.00	Niobrara		-0.37	89.03	
6,178.27	6,072.00	A Chalk		-0.37	89.03	
6,268.71	6,132.00	B Chalk		-0.37	89.03	
6,441.85	6,207.00	Top C Target		-0.37	89.03	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
900.00	900.00	0.00	0.00	Start Build 2.00	
1,464.05	1,460.41	-45.10	-32.09	Start 3289.26 hold at 1464.05 MD	
4,753.31	4,686.13	-569.34	-405.18	Start Drop -2.00	
5,317.37	5,246.54	-614.44	-437.27	Start 500.01 hold at 5317.37 MD	
5,817.38	5,746.55	-614.44	-437.27	Start Build 12.00	
6,570.45	6,224.00	-606.32	43.20	Start 9787.57 hold at 6570.45 MD	
16,358.02	6,161.00	-441.02	9,829.17	TD at 16358.02	