

PROJECT DETAILS: Weld County, CO NAD 83

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

Project: Weld County, CO NAD 83
 Site: Anschutz State 5-62-26_25 SE27
 Well: Anschutz State 5-62-26-3340C
 Wellbore: OH
 Design: Plan 1



Azimuths to True North
 Magnetic North: 8.20°



Magnetic Field
 Strength: 52306.2nT
 Dip Angle: 67.02°
 Date: 9/18/2017
 Model: HDGM

Plan: Plan 1 (Anschutz State 5-62-26-3340C/OH)

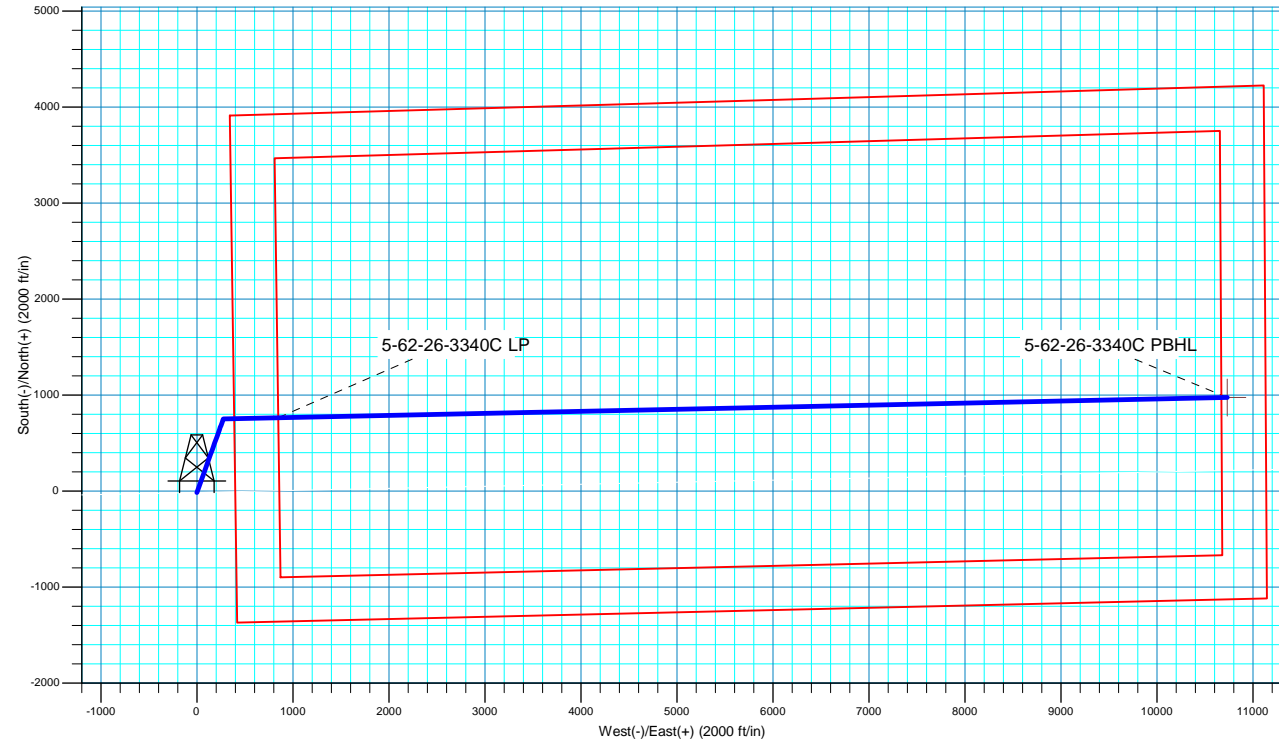
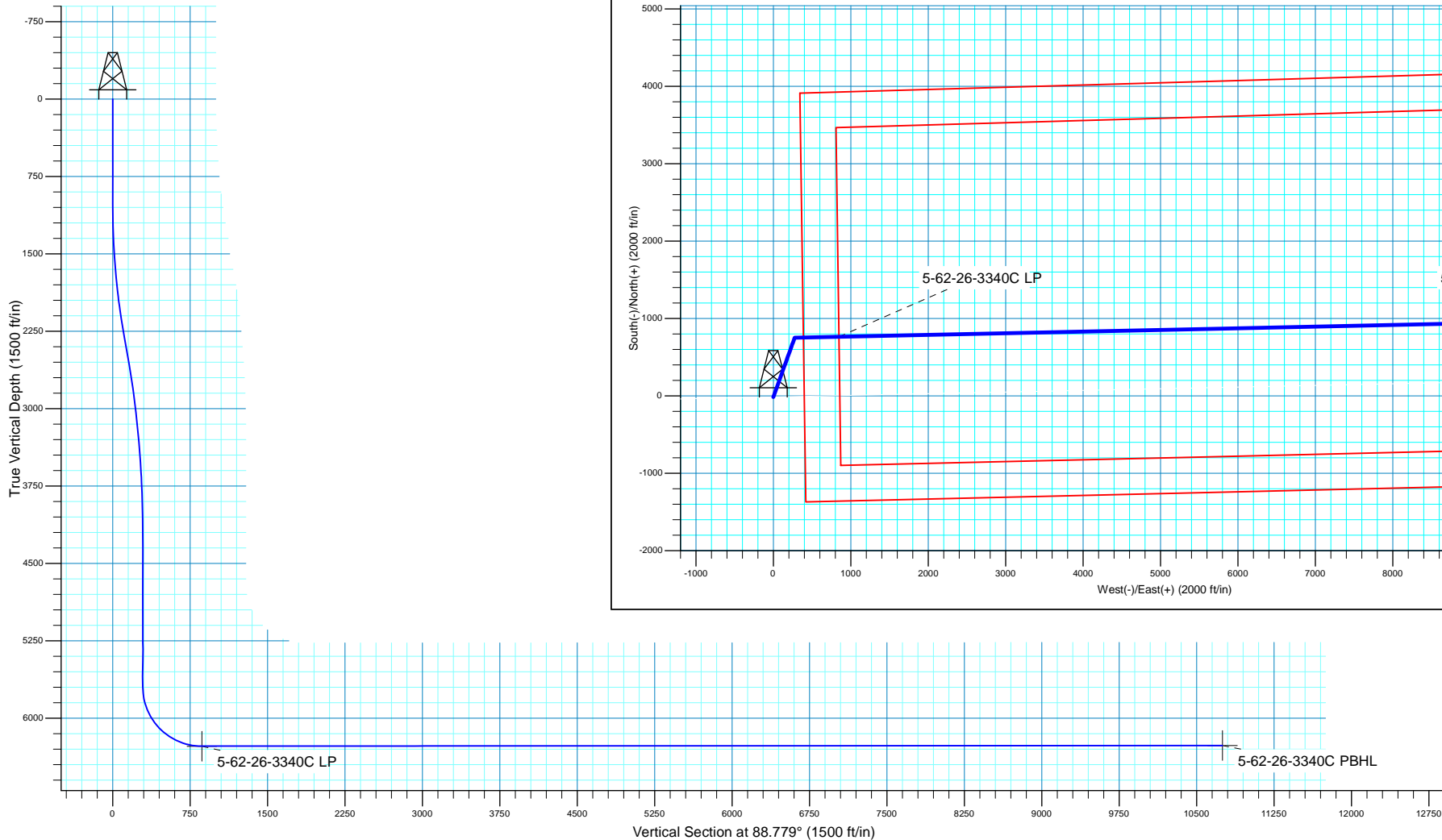
Created By: Seth Burstad Date: 9-18-2017

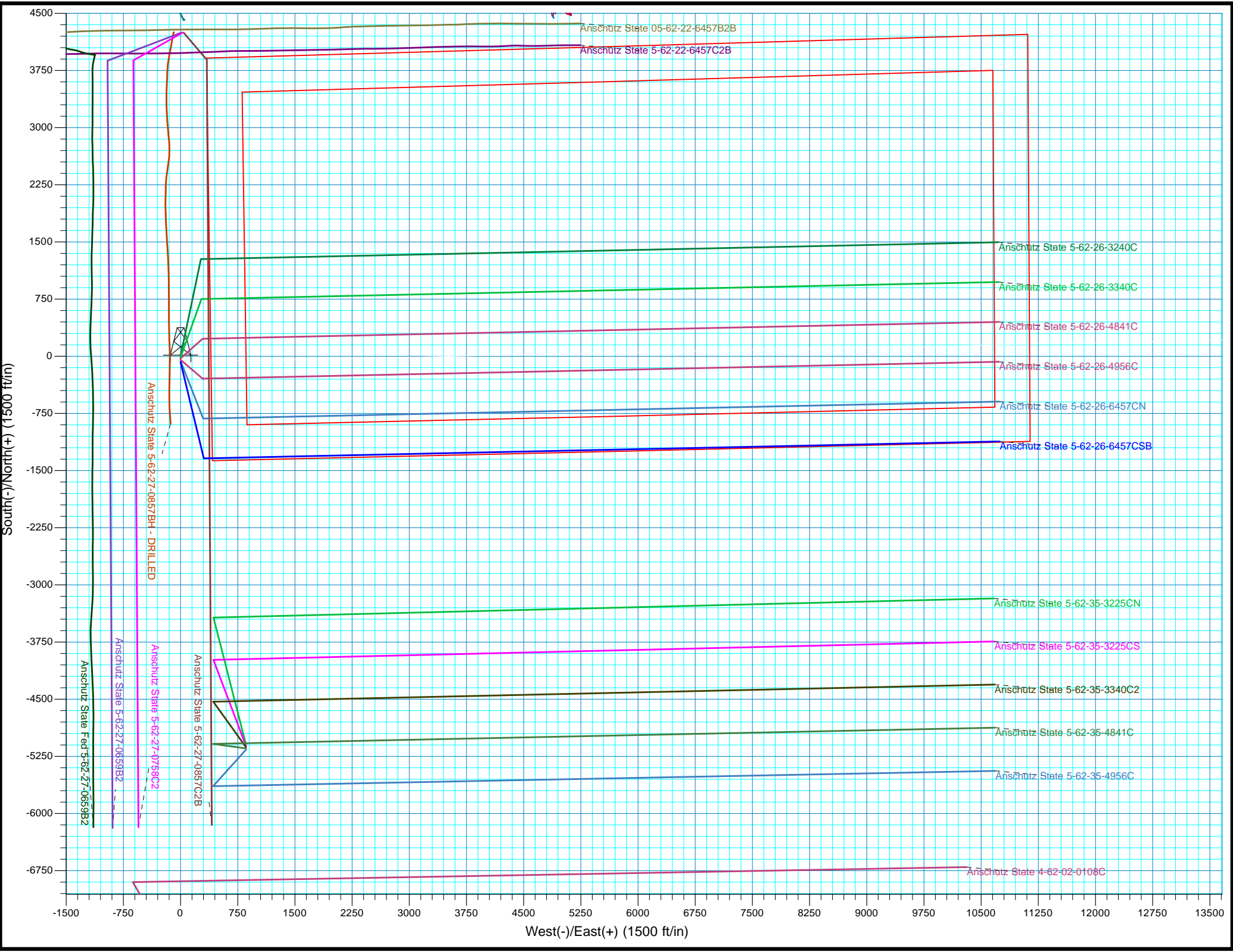
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.000	0.00	-14.22	0.00	0.00	0.00	0.00
1000.00	0.00	0.000	1000.00	-14.22	0.00	0.00	0.00	0.00
2305.54	26.11	19.756	2260.81	260.94	98.82	2.00	19.76	104.66
2605.55	26.11	19.756	2530.21	385.21	143.46	0.00	0.00	151.93
4346.27	0.00	0.000	4211.30	752.08	275.22	1.50	180.00	291.49
5833.01	0.00	0.000	5698.04	752.08	275.22	0.00	0.00	291.49
6733.41	90.04	88.779	6271.00	764.30	848.45	10.00	88.78	864.85
16619.35	90.04	88.779	6264.00	975.00	10732.14	0.00	0.00	10750.78

WELL DETAILS: Anschutz State 5-62-26-3340C

		GL 4656.1' & KB 20' @ 4676.10ft 4656.10			Longitude
+N/-S	+E/-W	Northing	Easting	Latitude	
-14.22	0.00	1378929.58	3333926.49	40° 22' 2.528 N	104° 18' 5.641 W







Bill Barrett Corporation

Bill Barrett Corp.

Weld County, CO NAD 83

Anschutz State 5-62-26_25 SE27

Anschutz State 5-62-26-3340C

OH

Plan: Plan 1

Standard Planning Report

18 September, 2017



Scientific Drilling

www.scientificdrilling.com



Database:	Casper District	Local Co-ordinate Reference:	Site Anschutz State 5-62-26_25 SE27
Company:	Bill Barrett Corp.	TVD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Project:	Weld County, CO NAD 83	MD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Site:	Anschutz State 5-62-26_25 SE27	North Reference:	True
Well:	Anschutz State 5-62-26-3340C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	Weld County, CO NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Anschutz State 5-62-26_25 SE27, Site Center : Anschutz State 5-62-26-3240C			
Site Position:		Northing:	1,378,943.80 usft	Latitude: 40° 22' 2.669 N
From:	Lat/Long	Easting:	3,333,926.31 usft	Longitude: 104° 18' 5.641 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.77 °

Well	Anschutz State 5-62-26-3340C, 1360' FSL 400' FEL Sec 27 T5N R62W			
Well Position	+N/-S	-14.22 ft	Northing:	1,378,929.58 usft
	+E/-W	0.00 ft	Easting:	3,333,926.50 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft
			Ground Level:	4,656.10 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/18/2017	8.20	67.02	52,306

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	-14.22	0.00	88.779

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	-14.22	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.000	1,000.00	-14.22	0.00	0.00	0.00	0.00	0.00	
2,305.54	26.11	19.756	2,260.81	260.94	98.82	2.00	2.00	0.00	19.76	
2,605.55	26.11	19.756	2,530.21	385.21	143.46	0.00	0.00	0.00	0.00	
4,346.27	0.00	0.000	4,211.30	752.08	275.22	1.50	-1.50	0.00	180.00	
5,833.01	0.00	0.000	5,698.04	752.08	275.22	0.00	0.00	0.00	0.00	
6,733.42	90.04	88.779	6,271.00	764.30	848.45	10.00	10.00	9.86	88.78	
16,619.35	90.04	88.779	6,264.00	975.00	10,732.14	0.00	0.00	0.00	0.00	5-62-26-3340C PBHL

Database:	Casper District	Local Co-ordinate Reference:	Site Anschutz State 5-62-26_25 SE27
Company:	Bill Barrett Corp.	TVD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Project:	Weld County, CO NAD 83	MD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Site:	Anschutz State 5-62-26_25 SE27	North Reference:	True
Well:	Anschutz State 5-62-26-3340C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
0.00	0.00	0.000	0.00	-14.22	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	-14.22	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	-14.22	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	-14.22	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	-14.22	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	-14.22	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	-14.22	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	-14.22	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	-14.22	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	-14.22	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	-14.22	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,100.00	2.00	19.756	1,099.98	-12.58	0.59	0.62	2.00	2.00	0.00
1,200.00	4.00	19.756	1,199.84	-7.65	2.36	2.50	2.00	2.00	0.00
1,300.00	6.00	19.756	1,299.45	0.55	5.30	5.62	2.00	2.00	0.00
1,400.00	8.00	19.756	1,398.70	12.02	9.42	9.98	2.00	2.00	0.00
1,500.00	10.00	19.756	1,497.47	26.74	14.71	15.58	2.00	2.00	0.00
1,600.00	12.00	19.756	1,595.62	44.70	21.16	22.41	2.00	2.00	0.00
1,700.00	14.00	19.756	1,693.06	65.87	28.76	30.46	2.00	2.00	0.00
1,800.00	16.00	19.756	1,789.64	90.23	37.51	39.73	2.00	2.00	0.00
1,900.00	18.00	19.756	1,885.27	117.74	47.39	50.20	2.00	2.00	0.00
2,000.00	20.00	19.756	1,979.82	148.38	58.40	61.85	2.00	2.00	0.00
2,100.00	22.00	19.756	2,073.17	182.10	70.51	74.68	2.00	2.00	0.00
2,200.00	24.00	19.756	2,165.21	218.88	83.72	88.67	2.00	2.00	0.00
2,300.00	26.00	19.756	2,255.84	258.65	98.00	103.79	2.00	2.00	0.00
2,305.54	26.11	19.756	2,260.81	260.94	98.82	104.66	2.00	2.00	0.00
Start 300.02 hold at 2305.54 MD									
2,400.00	26.11	19.756	2,345.64	300.06	112.88	119.55	0.00	0.00	0.00
2,500.00	26.11	19.756	2,435.43	341.48	127.75	135.30	0.00	0.00	0.00
2,600.00	26.11	19.756	2,525.23	382.91	142.63	151.06	0.00	0.00	0.00
2,605.55	26.11	19.756	2,530.21	385.21	143.46	151.93	0.00	0.00	0.00
Start Drop -1.50									
2,700.00	24.69	19.756	2,615.53	423.33	157.15	166.44	1.50	-1.50	0.00
2,800.00	23.19	19.756	2,706.92	461.53	170.87	180.97	1.50	-1.50	0.00
2,900.00	21.69	19.756	2,799.34	497.46	183.77	194.63	1.50	-1.50	0.00
3,000.00	20.19	19.756	2,892.73	531.10	195.85	207.43	1.50	-1.50	0.00
3,100.00	18.69	19.756	2,987.03	562.43	207.11	219.35	1.50	-1.50	0.00
3,200.00	17.19	19.756	3,082.16	591.42	217.52	230.37	1.50	-1.50	0.00
3,300.00	15.69	19.756	3,178.07	618.06	227.09	240.51	1.50	-1.50	0.00
3,400.00	14.19	19.756	3,274.68	642.33	235.80	249.74	1.50	-1.50	0.00
3,500.00	12.69	19.756	3,371.94	664.21	243.66	258.06	1.50	-1.50	0.00
3,600.00	11.19	19.756	3,469.77	683.69	250.66	265.47	1.50	-1.50	0.00
3,700.00	9.69	19.756	3,568.11	700.75	256.78	271.96	1.50	-1.50	0.00
3,800.00	8.19	19.756	3,666.89	715.38	262.04	277.53	1.50	-1.50	0.00
3,900.00	6.69	19.756	3,766.05	727.57	266.42	282.16	1.50	-1.50	0.00
4,000.00	5.19	19.756	3,865.50	737.32	269.92	285.87	1.50	-1.50	0.00
4,100.00	3.69	19.756	3,965.20	744.61	272.54	288.65	1.50	-1.50	0.00
4,200.00	2.19	19.756	4,065.07	749.45	274.27	290.48	1.50	-1.50	0.00
4,300.00	0.69	19.756	4,165.03	751.82	275.13	291.39	1.50	-1.50	0.00
4,346.27	0.00	0.000	4,211.30	752.08	275.22	291.49	1.50	-1.50	0.00
Start 1486.74 hold at 4346.27 MD									
4,400.00	0.00	0.000	4,265.03	752.08	275.22	291.49	0.00	0.00	0.00
4,500.00	0.00	0.000	4,365.03	752.08	275.22	291.49	0.00	0.00	0.00
4,600.00	0.00	0.000	4,465.03	752.08	275.22	291.49	0.00	0.00	0.00

Database:	Casper District	Local Co-ordinate Reference:	Site Anschutz State 5-62-26_25 SE27
Company:	Bill Barrett Corp.	TVD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Project:	Weld County, CO NAD 83	MD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Site:	Anschutz State 5-62-26_25 SE27	North Reference:	True
Well:	Anschutz State 5-62-26-3340C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
4,700.00	0.00	0.000	4,565.03	752.08	275.22	291.49	0.00	0.00	0.00
4,800.00	0.00	0.000	4,665.03	752.08	275.22	291.49	0.00	0.00	0.00
4,900.00	0.00	0.000	4,765.03	752.08	275.22	291.49	0.00	0.00	0.00
5,000.00	0.00	0.000	4,865.03	752.08	275.22	291.49	0.00	0.00	0.00
5,100.00	0.00	0.000	4,965.03	752.08	275.22	291.49	0.00	0.00	0.00
5,200.00	0.00	0.000	5,065.03	752.08	275.22	291.49	0.00	0.00	0.00
5,300.00	0.00	0.000	5,165.03	752.08	275.22	291.49	0.00	0.00	0.00
5,400.00	0.00	0.000	5,265.03	752.08	275.22	291.49	0.00	0.00	0.00
5,500.00	0.00	0.000	5,365.03	752.08	275.22	291.49	0.00	0.00	0.00
5,600.00	0.00	0.000	5,465.03	752.08	275.22	291.49	0.00	0.00	0.00
5,700.00	0.00	0.000	5,565.03	752.08	275.22	291.49	0.00	0.00	0.00
5,800.00	0.00	0.000	5,665.03	752.08	275.22	291.49	0.00	0.00	0.00
5,833.01	0.00	0.000	5,698.04	752.08	275.22	291.49	0.00	0.00	0.00
Start DLS 10.00 TFO 88.78									
5,900.00	6.70	88.779	5,764.88	752.17	279.13	295.40	10.00	10.00	0.00
6,000.00	16.70	88.779	5,862.68	752.60	299.38	315.65	10.00	10.00	0.00
6,100.00	26.70	88.779	5,955.47	753.38	336.30	352.58	10.00	10.00	0.00
6,200.00	36.70	88.779	6,040.45	754.50	388.76	405.06	10.00	10.00	0.00
6,300.00	46.70	88.779	6,115.02	755.92	455.19	471.49	10.00	10.00	0.00
6,400.00	56.70	88.779	6,176.92	757.59	533.54	549.87	10.00	10.00	0.00
6,500.00	66.70	88.779	6,224.27	759.46	621.46	637.80	10.00	10.00	0.00
6,600.00	76.70	88.779	6,255.63	761.48	716.26	732.63	10.00	10.00	0.00
6,700.00	86.70	88.779	6,270.05	763.59	815.06	831.45	10.00	10.00	0.00
6,733.42	90.04	88.779	6,271.00	764.30	848.45	864.85	10.00	10.00	0.00
Start 9885.93 hold at 6733.41 MD									
6,800.00	90.04	88.779	6,270.95	765.72	915.02	931.44	0.00	0.00	0.00
6,900.00	90.04	88.779	6,270.88	767.85	1,015.00	1,031.44	0.00	0.00	0.00
7,000.00	90.04	88.779	6,270.81	769.98	1,114.98	1,131.43	0.00	0.00	0.00
7,100.00	90.04	88.779	6,270.74	772.11	1,214.95	1,231.43	0.00	0.00	0.00
7,200.00	90.04	88.779	6,270.67	774.25	1,314.93	1,331.43	0.00	0.00	0.00
7,300.00	90.04	88.779	6,270.60	776.38	1,414.91	1,431.43	0.00	0.00	0.00
7,400.00	90.04	88.779	6,270.53	778.51	1,514.89	1,531.43	0.00	0.00	0.00
7,500.00	90.04	88.779	6,270.46	780.64	1,614.86	1,631.43	0.00	0.00	0.00
7,600.00	90.04	88.779	6,270.38	782.77	1,714.84	1,731.43	0.00	0.00	0.00
7,700.00	90.04	88.779	6,270.31	784.90	1,814.82	1,831.43	0.00	0.00	0.00
7,800.00	90.04	88.779	6,270.24	787.03	1,914.80	1,931.43	0.00	0.00	0.00
7,900.00	90.04	88.779	6,270.17	789.17	2,014.77	2,031.43	0.00	0.00	0.00
8,000.00	90.04	88.779	6,270.10	791.30	2,114.75	2,131.43	0.00	0.00	0.00
8,100.00	90.04	88.779	6,270.03	793.43	2,214.73	2,231.43	0.00	0.00	0.00
8,200.00	90.04	88.779	6,269.96	795.56	2,314.70	2,331.43	0.00	0.00	0.00
8,300.00	90.04	88.779	6,269.89	797.69	2,414.68	2,431.43	0.00	0.00	0.00
8,400.00	90.04	88.779	6,269.82	799.82	2,514.66	2,531.43	0.00	0.00	0.00
8,500.00	90.04	88.779	6,269.75	801.95	2,614.64	2,631.43	0.00	0.00	0.00
8,600.00	90.04	88.779	6,269.68	804.08	2,714.61	2,731.43	0.00	0.00	0.00
8,700.00	90.04	88.779	6,269.61	806.22	2,814.59	2,831.43	0.00	0.00	0.00
8,800.00	90.04	88.779	6,269.53	808.35	2,914.57	2,931.43	0.00	0.00	0.00
8,900.00	90.04	88.779	6,269.46	810.48	3,014.55	3,031.43	0.00	0.00	0.00
9,000.00	90.04	88.779	6,269.39	812.61	3,114.52	3,131.43	0.00	0.00	0.00
9,100.00	90.04	88.779	6,269.32	814.74	3,214.50	3,231.43	0.00	0.00	0.00
9,200.00	90.04	88.779	6,269.25	816.87	3,314.48	3,331.43	0.00	0.00	0.00
9,300.00	90.04	88.779	6,269.18	819.00	3,414.45	3,431.43	0.00	0.00	0.00
9,400.00	90.04	88.779	6,269.11	821.13	3,514.43	3,531.43	0.00	0.00	0.00
9,500.00	90.04	88.779	6,269.04	823.27	3,614.41	3,631.43	0.00	0.00	0.00

Database:	Casper District	Local Co-ordinate Reference:	Site Anschutz State 5-62-26_25 SE27
Company:	Bill Barrett Corp.	TVD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Project:	Weld County, CO NAD 83	MD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
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Well:	Anschutz State 5-62-26-3340C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
9,600.00	90.04	88.779	6,268.97	825.40	3,714.39	3,731.43	0.00	0.00	0.00
9,700.00	90.04	88.779	6,268.90	827.53	3,814.36	3,831.43	0.00	0.00	0.00
9,800.00	90.04	88.779	6,268.83	829.66	3,914.34	3,931.43	0.00	0.00	0.00
9,900.00	90.04	88.779	6,268.76	831.79	4,014.32	4,031.43	0.00	0.00	0.00
10,000.00	90.04	88.779	6,268.69	833.92	4,114.30	4,131.43	0.00	0.00	0.00
10,100.00	90.04	88.779	6,268.61	836.05	4,214.27	4,231.43	0.00	0.00	0.00
10,200.00	90.04	88.779	6,268.54	838.18	4,314.25	4,331.43	0.00	0.00	0.00
10,300.00	90.04	88.779	6,268.47	840.32	4,414.23	4,431.43	0.00	0.00	0.00
10,400.00	90.04	88.779	6,268.40	842.45	4,514.20	4,531.43	0.00	0.00	0.00
10,500.00	90.04	88.779	6,268.33	844.58	4,614.18	4,631.43	0.00	0.00	0.00
10,600.00	90.04	88.779	6,268.26	846.71	4,714.16	4,731.43	0.00	0.00	0.00
10,700.00	90.04	88.779	6,268.19	848.84	4,814.14	4,831.43	0.00	0.00	0.00
10,800.00	90.04	88.779	6,268.12	850.97	4,914.11	4,931.43	0.00	0.00	0.00
10,900.00	90.04	88.779	6,268.05	853.10	5,014.09	5,031.43	0.00	0.00	0.00
11,000.00	90.04	88.779	6,267.98	855.23	5,114.07	5,131.43	0.00	0.00	0.00
11,100.00	90.04	88.779	6,267.91	857.37	5,214.05	5,231.43	0.00	0.00	0.00
11,200.00	90.04	88.779	6,267.84	859.50	5,314.02	5,331.43	0.00	0.00	0.00
11,300.00	90.04	88.779	6,267.77	861.63	5,414.00	5,431.43	0.00	0.00	0.00
11,400.00	90.04	88.779	6,267.69	863.76	5,513.98	5,531.43	0.00	0.00	0.00
11,500.00	90.04	88.779	6,267.62	865.89	5,613.95	5,631.43	0.00	0.00	0.00
11,600.00	90.04	88.779	6,267.55	868.02	5,713.93	5,731.43	0.00	0.00	0.00
11,700.00	90.04	88.779	6,267.48	870.15	5,813.91	5,831.43	0.00	0.00	0.00
11,800.00	90.04	88.779	6,267.41	872.29	5,913.89	5,931.43	0.00	0.00	0.00
11,900.00	90.04	88.779	6,267.34	874.42	6,013.86	6,031.43	0.00	0.00	0.00
12,000.00	90.04	88.779	6,267.27	876.55	6,113.84	6,131.43	0.00	0.00	0.00
12,100.00	90.04	88.779	6,267.20	878.68	6,213.82	6,231.43	0.00	0.00	0.00
12,200.00	90.04	88.779	6,267.13	880.81	6,313.80	6,331.43	0.00	0.00	0.00
12,300.00	90.04	88.779	6,267.06	882.94	6,413.77	6,431.43	0.00	0.00	0.00
12,400.00	90.04	88.779	6,266.99	885.07	6,513.75	6,531.43	0.00	0.00	0.00
12,500.00	90.04	88.779	6,266.92	887.20	6,613.73	6,631.43	0.00	0.00	0.00
12,600.00	90.04	88.779	6,266.85	889.34	6,713.70	6,731.43	0.00	0.00	0.00
12,700.00	90.04	88.779	6,266.77	891.47	6,813.68	6,831.43	0.00	0.00	0.00
12,800.00	90.04	88.779	6,266.70	893.60	6,913.66	6,931.43	0.00	0.00	0.00
12,900.00	90.04	88.779	6,266.63	895.73	7,013.64	7,031.43	0.00	0.00	0.00
13,000.00	90.04	88.779	6,266.56	897.86	7,113.61	7,131.43	0.00	0.00	0.00
13,100.00	90.04	88.779	6,266.49	899.99	7,213.59	7,231.43	0.00	0.00	0.00
13,200.00	90.04	88.779	6,266.42	902.12	7,313.57	7,331.43	0.00	0.00	0.00
13,300.00	90.04	88.779	6,266.35	904.25	7,413.55	7,431.43	0.00	0.00	0.00
13,400.00	90.04	88.779	6,266.28	906.39	7,513.52	7,531.43	0.00	0.00	0.00
13,500.00	90.04	88.779	6,266.21	908.52	7,613.50	7,631.43	0.00	0.00	0.00
13,600.00	90.04	88.779	6,266.14	910.65	7,713.48	7,731.43	0.00	0.00	0.00
13,700.00	90.04	88.779	6,266.07	912.78	7,813.45	7,831.43	0.00	0.00	0.00
13,800.00	90.04	88.779	6,266.00	914.91	7,913.43	7,931.43	0.00	0.00	0.00
13,900.00	90.04	88.779	6,265.93	917.04	8,013.41	8,031.43	0.00	0.00	0.00
14,000.00	90.04	88.779	6,265.85	919.17	8,113.39	8,131.43	0.00	0.00	0.00
14,100.00	90.04	88.779	6,265.78	921.30	8,213.36	8,231.43	0.00	0.00	0.00
14,200.00	90.04	88.779	6,265.71	923.44	8,313.34	8,331.43	0.00	0.00	0.00
14,300.00	90.04	88.779	6,265.64	925.57	8,413.32	8,431.43	0.00	0.00	0.00
14,400.00	90.04	88.779	6,265.57	927.70	8,513.30	8,531.43	0.00	0.00	0.00
14,500.00	90.04	88.779	6,265.50	929.83	8,613.27	8,631.43	0.00	0.00	0.00
14,600.00	90.04	88.779	6,265.43	931.96	8,713.25	8,731.43	0.00	0.00	0.00
14,700.00	90.04	88.779	6,265.36	934.09	8,813.23	8,831.43	0.00	0.00	0.00
14,800.00	90.04	88.779	6,265.29	936.22	8,913.20	8,931.43	0.00	0.00	0.00
14,900.00	90.04	88.779	6,265.22	938.35	9,013.18	9,031.43	0.00	0.00	0.00

Database:	Casper District	Local Co-ordinate Reference:	Site Anschutz State 5-62-26_25 SE27
Company:	Bill Barrett Corp.	TVD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Project:	Weld County, CO NAD 83	MD Reference:	GL 4656.1' & KB 20' @ 4676.10ft
Site:	Anschutz State 5-62-26_25 SE27	North Reference:	True
Well:	Anschutz State 5-62-26-3340C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
15,000.00	90.04	88.779	6,265.15	940.49	9,113.16	9,131.43	0.00	0.00	0.00
15,100.00	90.04	88.779	6,265.08	942.62	9,213.14	9,231.43	0.00	0.00	0.00
15,200.00	90.04	88.779	6,265.00	944.75	9,313.11	9,331.43	0.00	0.00	0.00
15,300.00	90.04	88.779	6,264.93	946.88	9,413.09	9,431.43	0.00	0.00	0.00
15,400.00	90.04	88.779	6,264.86	949.01	9,513.07	9,531.43	0.00	0.00	0.00
15,500.00	90.04	88.779	6,264.79	951.14	9,613.05	9,631.43	0.00	0.00	0.00
15,600.00	90.04	88.779	6,264.72	953.27	9,713.02	9,731.43	0.00	0.00	0.00
15,700.00	90.04	88.779	6,264.65	955.41	9,813.00	9,831.43	0.00	0.00	0.00
15,800.00	90.04	88.779	6,264.58	957.54	9,912.98	9,931.43	0.00	0.00	0.00
15,900.00	90.04	88.779	6,264.51	959.67	10,012.95	10,031.43	0.00	0.00	0.00
16,000.00	90.04	88.779	6,264.44	961.80	10,112.93	10,131.43	0.00	0.00	0.00
16,100.00	90.04	88.779	6,264.37	963.93	10,212.91	10,231.43	0.00	0.00	0.00
16,200.00	90.04	88.779	6,264.30	966.06	10,312.89	10,331.43	0.00	0.00	0.00
16,300.00	90.04	88.779	6,264.23	968.19	10,412.86	10,431.43	0.00	0.00	0.00
16,400.00	90.04	88.779	6,264.16	970.32	10,512.84	10,531.43	0.00	0.00	0.00
16,500.00	90.04	88.779	6,264.08	972.46	10,612.82	10,631.43	0.00	0.00	0.00
16,600.00	90.04	88.779	6,264.01	974.59	10,712.79	10,731.43	0.00	0.00	0.00
16,619.35	90.04	88.779	6,264.00	975.00	10,732.14	10,750.78	0.00	0.00	0.00
TD at 16619.35									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
5-62-26-3340C PBHL	0.00	0.000	6,264.00	975.00	10,732.14	1,380,063.74	3,344,644.27	40° 22' 12.281 N	104° 15' 46.980 W
- plan hits target center									
- Point									
5-62-26-3340C LP	0.00	0.000	6,271.00	764.31	848.45	1,379,719.50	3,334,764.34	40° 22' 10.222 N	104° 17' 54.679 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,000.00	1,000.00	-14.22	0.00	Start Build 2.00
2,305.54	2,260.81	260.94	98.82	Start 300.02 hold at 2305.54 MD
2,605.55	2,530.21	385.21	143.46	Start Drop -1.50
4,346.27	4,211.30	752.08	275.22	Start 1486.74 hold at 4346.27 MD
5,833.01	5,698.04	752.08	275.22	Start DLS 10.00 TFO 88.78
6,733.42	6,271.00	764.30	848.45	Start 9885.93 hold at 6733.41 MD
16,619.35	6,264.00	975.00	10,732.14	TD at 16619.35