**Bill Barrett Corporation**

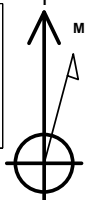
PROJECT DETAILS: Weld County, CO NAD 83

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


Plan: Plan 1 (RSU Anschutz Fed 4-62-02-6457C/OH)

Created By: Seth Burstad

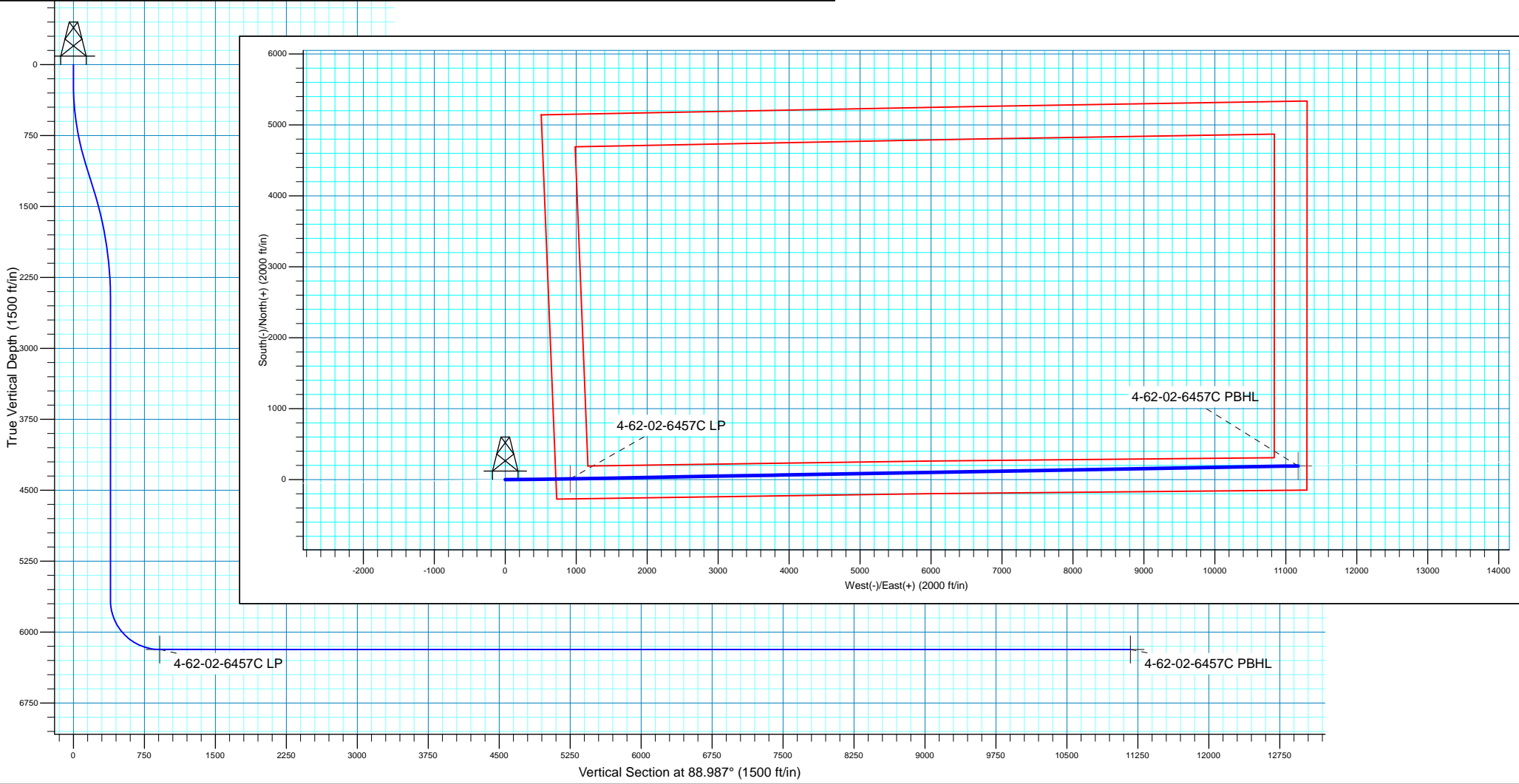
Project: Weld County, CO NAD 83  
Site: RSU Anschutz Fed 4-62-2\_1 SE3 Pad  
Well: RSU Anschutz Fed 4-62-02-6457C  
Wellbore: OH  
Design: Plan 1



Azimuths to True North  
Magnetic North: 8.20°  
  
Magnetic Field  
Strength: 52288.8nT  
Dip Angle: 66.97°  
Date: 1/3/2018  
Model: HDGM



SECTION DETAILS									WELL DETAILS: RSU Anschutz Fed 4-62-02-6457C			
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	GL 4523' & KB 20' @ 4543.00ft 4523.00			
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	+N/-S	+E/-W	Northing	Longitude
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Easting	Latitude
1064.68	17.29	89.691	1051.61	0.70	129.50	2.00	89.69	129.50	1367126.14	3333225.64	40° 20' 5.989 N	104° 18' 16.751 W
1364.73	17.29	89.691	1338.10	1.18	218.70	0.00	0.00	218.69				
2517.64	0.00	0.000	2473.58	2.11	391.37	1.50	180.00	391.35				
5707.19	0.00	0.000	5663.13	2.11	391.37	0.00	0.00	391.35				
6525.37	90.00	88.987	6184.00	11.32	912.16	11.00	88.99	912.22				
16785.36	90.00	88.987	6184.00	192.70	11170.55	0.00	0.00	11172.21				





**Bill Barrett Corporation**

## **Bill Barrett Corp.**

Weld County, CO NAD 83

RSU Anschutz Fed 4-62-2\_1 SE3 Pad

RSU Anschutz Fed 4-62-02-6457C

OH

Plan: Plan 1

## **Standard Planning Report**

03 January, 2018



**Scientific Drilling**

[www.scientificdrilling.com](http://www.scientificdrilling.com)



<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well RSU Anschutz Fed 4-62-02-6457C
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Site:</b>	RSU Anschutz Fed 4-62-2_1 SE3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RSU Anschutz Fed 4-62-02-6457C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

<b>Project</b>	Weld County, CO NAD 83		
<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	RSU Anschutz Fed 4-62-2_1 SE3 Pad, Site Center : RSU Anschutz Fed 4-62-11-0108C				
Site Position:		Northing:	1,367,111.95 usft	Latitude:	40° 20' 5.849 N
From:	Lat/Long	Easting:	3,333,225.84 usft	Longitude:	104° 18' 16.751 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.77 °

Well	RSU Anschutz Fed 4-62-02-6457C, 283' FSL 712' FEL Sec 3 T4N R62W					
Well Position	+N/-S	14.20 ft	Northing:	1,367,126.15 usft	Latitude:	40° 20' 5.989 N
	+E/-W	0.00 ft	Easting:	3,333,225.64 usft	Longitude:	104° 18' 16.751 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,523.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	1/3/2018	8.20	66.97	52,289

<b>Design</b>	Plan 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) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	88.987

<b>Plan Sections</b>										
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	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,064.68	17.29	89.691	1,051.61	0.70	129.50	2.00	2.00	0.00	89.69	
1,364.73	17.29	89.691	1,338.10	1.18	218.70	0.00	0.00	0.00	0.00	
2,517.64	0.00	0.000	2,473.58	2.11	391.37	1.50	-1.50	0.00	180.00	
5,707.19	0.00	0.000	5,663.13	2.11	391.37	0.00	0.00	0.00	0.00	
6,525.37	90.00	88.987	6,184.00	11.32	912.16	11.00	11.00	10.88	88.99	
16,785.36	90.00	88.987	6,184.00	192.70	11,170.55	0.00	0.00	0.00	0.00	4-62-02-6457C PBHL

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well RSU Anschutz Fed 4-62-02-6457C
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Site:</b>	RSU Anschutz Fed 4-62-2_1 SE3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RSU Anschutz Fed 4-62-02-6457C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
300.00	2.00	89.691	299.98	0.01	1.75	1.75	2.00	2.00	0.00
400.00	4.00	89.691	399.84	0.04	6.98	6.98	2.00	2.00	0.00
500.00	6.00	89.691	499.45	0.08	15.69	15.69	2.00	2.00	0.00
600.00	8.00	89.691	598.70	0.15	27.88	27.88	2.00	2.00	0.00
700.00	10.00	89.691	697.47	0.23	43.52	43.52	2.00	2.00	0.00
800.00	12.00	89.691	795.62	0.34	62.60	62.60	2.00	2.00	0.00
900.00	14.00	89.691	893.06	0.46	85.10	85.09	2.00	2.00	0.00
1,000.00	16.00	89.691	989.64	0.60	110.98	110.97	2.00	2.00	0.00
1,064.68	17.29	89.691	1,051.61	0.70	129.50	129.50	2.00	2.00	0.00
<b>Start 300.06 hold at 1064.68 MD</b>									
1,100.00	17.29	89.691	1,085.33	0.75	140.00	139.99	0.00	0.00	0.00
1,200.00	17.29	89.691	1,180.81	0.92	169.73	169.72	0.00	0.00	0.00
1,300.00	17.29	89.691	1,276.29	1.08	199.46	199.44	0.00	0.00	0.00
1,364.73	17.29	89.691	1,338.10	1.18	218.70	218.69	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
1,400.00	16.76	89.691	1,371.82	1.23	229.03	229.01	1.50	-1.50	0.00
1,500.00	15.26	89.691	1,467.94	1.38	256.61	256.60	1.50	-1.50	0.00
1,600.00	13.76	89.691	1,564.74	1.52	281.68	281.66	1.50	-1.50	0.00
1,700.00	12.26	89.691	1,662.17	1.64	304.19	304.18	1.50	-1.50	0.00
1,800.00	10.76	89.691	1,760.16	1.75	324.15	324.14	1.50	-1.50	0.00
1,900.00	9.26	89.691	1,858.63	1.84	341.54	341.52	1.50	-1.50	0.00
2,000.00	7.76	89.691	1,957.52	1.92	356.35	356.33	1.50	-1.50	0.00
2,100.00	6.26	89.691	2,056.77	1.99	368.56	368.54	1.50	-1.50	0.00
2,200.00	4.76	89.691	2,156.31	2.04	378.17	378.15	1.50	-1.50	0.00
2,300.00	3.26	89.691	2,256.06	2.08	385.17	385.15	1.50	-1.50	0.00
2,400.00	1.76	89.691	2,355.96	2.10	389.56	389.53	1.50	-1.50	0.00
2,500.00	0.26	89.691	2,455.94	2.11	391.33	391.31	1.50	-1.50	0.00
2,517.64	0.00	0.000	2,473.58	2.11	391.37	391.35	1.50	-1.50	0.00
<b>Start 3189.55 hold at 2517.64 MD</b>									
2,600.00	0.00	0.000	2,555.94	2.11	391.37	391.35	0.00	0.00	0.00
2,700.00	0.00	0.000	2,655.94	2.11	391.37	391.35	0.00	0.00	0.00
2,800.00	0.00	0.000	2,755.94	2.11	391.37	391.35	0.00	0.00	0.00
2,900.00	0.00	0.000	2,855.94	2.11	391.37	391.35	0.00	0.00	0.00
3,000.00	0.00	0.000	2,955.94	2.11	391.37	391.35	0.00	0.00	0.00
3,100.00	0.00	0.000	3,055.94	2.11	391.37	391.35	0.00	0.00	0.00
3,200.00	0.00	0.000	3,155.94	2.11	391.37	391.35	0.00	0.00	0.00
3,300.00	0.00	0.000	3,255.94	2.11	391.37	391.35	0.00	0.00	0.00
3,400.00	0.00	0.000	3,355.94	2.11	391.37	391.35	0.00	0.00	0.00
3,500.00	0.00	0.000	3,455.94	2.11	391.37	391.35	0.00	0.00	0.00
3,600.00	0.00	0.000	3,555.94	2.11	391.37	391.35	0.00	0.00	0.00
3,700.00	0.00	0.000	3,655.94	2.11	391.37	391.35	0.00	0.00	0.00
3,800.00	0.00	0.000	3,755.94	2.11	391.37	391.35	0.00	0.00	0.00
3,900.00	0.00	0.000	3,855.94	2.11	391.37	391.35	0.00	0.00	0.00
4,000.00	0.00	0.000	3,955.94	2.11	391.37	391.35	0.00	0.00	0.00
4,100.00	0.00	0.000	4,055.94	2.11	391.37	391.35	0.00	0.00	0.00
4,200.00	0.00	0.000	4,155.94	2.11	391.37	391.35	0.00	0.00	0.00
4,300.00	0.00	0.000	4,255.94	2.11	391.37	391.35	0.00	0.00	0.00
4,400.00	0.00	0.000	4,355.94	2.11	391.37	391.35	0.00	0.00	0.00
4,500.00	0.00	0.000	4,455.94	2.11	391.37	391.35	0.00	0.00	0.00
4,600.00	0.00	0.000	4,555.94	2.11	391.37	391.35	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well RSU Anschutz Fed 4-62-02-6457C
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Site:</b>	RSU Anschutz Fed 4-62-2_1 SE3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RSU Anschutz Fed 4-62-02-6457C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	4,655.94	2.11	391.37	391.35	0.00	0.00	0.00
4,800.00	0.00	0.000	4,755.94	2.11	391.37	391.35	0.00	0.00	0.00
4,900.00	0.00	0.000	4,855.94	2.11	391.37	391.35	0.00	0.00	0.00
5,000.00	0.00	0.000	4,955.94	2.11	391.37	391.35	0.00	0.00	0.00
5,100.00	0.00	0.000	5,055.94	2.11	391.37	391.35	0.00	0.00	0.00
5,200.00	0.00	0.000	5,155.94	2.11	391.37	391.35	0.00	0.00	0.00
5,300.00	0.00	0.000	5,255.94	2.11	391.37	391.35	0.00	0.00	0.00
5,400.00	0.00	0.000	5,355.94	2.11	391.37	391.35	0.00	0.00	0.00
5,500.00	0.00	0.000	5,455.94	2.11	391.37	391.35	0.00	0.00	0.00
5,600.00	0.00	0.000	5,555.94	2.11	391.37	391.35	0.00	0.00	0.00
5,700.00	0.00	0.000	5,655.94	2.11	391.37	391.35	0.00	0.00	0.00
5,707.19	0.00	0.000	5,663.13	2.11	391.37	391.35	0.00	0.00	0.00
<b>Start DLS 11.00 TFO 88.99</b>									
5,800.00	10.21	88.987	5,755.45	2.26	399.62	399.59	11.00	11.00	0.00
5,900.00	21.21	88.987	5,851.57	2.73	426.65	426.63	11.00	11.00	0.00
6,000.00	32.21	88.987	5,940.76	3.53	471.52	471.50	11.00	11.00	0.00
6,100.00	43.21	88.987	6,019.75	4.61	532.58	532.58	11.00	11.00	0.00
6,200.00	54.21	88.987	6,085.64	5.93	607.59	607.60	11.00	11.00	0.00
6,300.00	65.21	88.987	6,136.00	7.46	693.79	693.81	11.00	11.00	0.00
6,400.00	76.21	88.987	6,168.99	9.12	788.01	788.05	11.00	11.00	0.00
6,500.00	87.21	88.987	6,183.38	10.87	886.80	886.86	11.00	11.00	0.00
6,525.37	90.00	88.987	6,184.00	11.32	912.16	912.22	11.00	11.00	0.00
<b>Start 10259.99 hold at 6525.37 MD</b>									
6,600.00	90.00	88.987	6,184.00	12.64	986.78	986.85	0.00	0.00	0.00
6,700.00	90.00	88.987	6,184.00	14.41	1,086.76	1,086.85	0.00	0.00	0.00
6,800.00	90.00	88.987	6,184.00	16.17	1,186.75	1,186.85	0.00	0.00	0.00
6,900.00	90.00	88.987	6,184.00	17.94	1,286.73	1,286.85	0.00	0.00	0.00
7,000.00	90.00	88.987	6,184.00	19.71	1,386.71	1,386.85	0.00	0.00	0.00
7,100.00	90.00	88.987	6,184.00	21.48	1,486.70	1,486.85	0.00	0.00	0.00
7,200.00	90.00	88.987	6,184.00	23.24	1,586.68	1,586.85	0.00	0.00	0.00
7,300.00	90.00	88.987	6,184.00	25.01	1,686.67	1,686.85	0.00	0.00	0.00
7,400.00	90.00	88.987	6,184.00	26.78	1,786.65	1,786.85	0.00	0.00	0.00
7,500.00	90.00	88.987	6,184.00	28.55	1,886.64	1,886.85	0.00	0.00	0.00
7,600.00	90.00	88.987	6,184.00	30.32	1,986.62	1,986.85	0.00	0.00	0.00
7,700.00	90.00	88.987	6,184.00	32.08	2,086.60	2,086.85	0.00	0.00	0.00
7,800.00	90.00	88.987	6,184.00	33.85	2,186.59	2,186.85	0.00	0.00	0.00
7,900.00	90.00	88.987	6,184.00	35.62	2,286.57	2,286.85	0.00	0.00	0.00
8,000.00	90.00	88.987	6,184.00	37.39	2,386.56	2,386.85	0.00	0.00	0.00
8,100.00	90.00	88.987	6,184.00	39.15	2,486.54	2,486.85	0.00	0.00	0.00
8,200.00	90.00	88.987	6,184.00	40.92	2,586.53	2,586.85	0.00	0.00	0.00
8,300.00	90.00	88.987	6,184.00	42.69	2,686.51	2,686.85	0.00	0.00	0.00
8,400.00	90.00	88.987	6,184.00	44.46	2,786.50	2,786.85	0.00	0.00	0.00
8,500.00	90.00	88.987	6,184.00	46.23	2,886.48	2,886.85	0.00	0.00	0.00
8,600.00	90.00	88.987	6,184.00	47.99	2,986.46	2,986.85	0.00	0.00	0.00
8,700.00	90.00	88.987	6,184.00	49.76	3,086.45	3,086.85	0.00	0.00	0.00
8,800.00	90.00	88.987	6,184.00	51.53	3,186.43	3,186.85	0.00	0.00	0.00
8,900.00	90.00	88.987	6,184.00	53.30	3,286.42	3,286.85	0.00	0.00	0.00
9,000.00	90.00	88.987	6,184.00	55.07	3,386.40	3,386.85	0.00	0.00	0.00
9,100.00	90.00	88.987	6,184.00	56.83	3,486.39	3,486.85	0.00	0.00	0.00
9,200.00	90.00	88.987	6,184.00	58.60	3,586.37	3,586.85	0.00	0.00	0.00
9,300.00	90.00	88.987	6,184.00	60.37	3,686.35	3,686.85	0.00	0.00	0.00
9,400.00	90.00	88.987	6,184.00	62.14	3,786.34	3,786.85	0.00	0.00	0.00
9,500.00	90.00	88.987	6,184.00	63.90	3,886.32	3,886.85	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well RSU Anschutz Fed 4-62-02-6457C
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Site:</b>	RSU Anschutz Fed 4-62-2_1 SE3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RSU Anschutz Fed 4-62-02-6457C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	90.00	88.987	6,184.00	65.67	3,986.31	3,986.85	0.00	0.00	0.00
9,700.00	90.00	88.987	6,184.00	67.44	4,086.29	4,086.85	0.00	0.00	0.00
9,800.00	90.00	88.987	6,184.00	69.21	4,186.28	4,186.85	0.00	0.00	0.00
9,900.00	90.00	88.987	6,184.00	70.98	4,286.26	4,286.85	0.00	0.00	0.00
10,000.00	90.00	88.987	6,184.00	72.74	4,386.25	4,386.85	0.00	0.00	0.00
10,100.00	90.00	88.987	6,184.00	74.51	4,486.23	4,486.85	0.00	0.00	0.00
10,200.00	90.00	88.987	6,184.00	76.28	4,586.21	4,586.85	0.00	0.00	0.00
10,300.00	90.00	88.987	6,184.00	78.05	4,686.20	4,686.85	0.00	0.00	0.00
10,400.00	90.00	88.987	6,184.00	79.81	4,786.18	4,786.85	0.00	0.00	0.00
10,500.00	90.00	88.987	6,184.00	81.58	4,886.17	4,886.85	0.00	0.00	0.00
10,600.00	90.00	88.987	6,184.00	83.35	4,986.15	4,986.85	0.00	0.00	0.00
10,700.00	90.00	88.987	6,184.00	85.12	5,086.14	5,086.85	0.00	0.00	0.00
10,800.00	90.00	88.987	6,184.00	86.89	5,186.12	5,186.85	0.00	0.00	0.00
10,900.00	90.00	88.987	6,184.00	88.65	5,286.10	5,286.85	0.00	0.00	0.00
11,000.00	90.00	88.987	6,184.00	90.42	5,386.09	5,386.85	0.00	0.00	0.00
11,100.00	90.00	88.987	6,184.00	92.19	5,486.07	5,486.85	0.00	0.00	0.00
11,200.00	90.00	88.987	6,184.00	93.96	5,586.06	5,586.85	0.00	0.00	0.00
11,300.00	90.00	88.987	6,184.00	95.73	5,686.04	5,686.85	0.00	0.00	0.00
11,400.00	90.00	88.987	6,184.00	97.49	5,786.03	5,786.85	0.00	0.00	0.00
11,500.00	90.00	88.987	6,184.00	99.26	5,886.01	5,886.85	0.00	0.00	0.00
11,600.00	90.00	88.987	6,184.00	101.03	5,986.00	5,986.85	0.00	0.00	0.00
11,700.00	90.00	88.987	6,184.00	102.80	6,085.98	6,086.85	0.00	0.00	0.00
11,800.00	90.00	88.987	6,184.00	104.56	6,185.96	6,186.85	0.00	0.00	0.00
11,900.00	90.00	88.987	6,184.00	106.33	6,285.95	6,286.85	0.00	0.00	0.00
12,000.00	90.00	88.987	6,184.00	108.10	6,385.93	6,386.85	0.00	0.00	0.00
12,100.00	90.00	88.987	6,184.00	109.87	6,485.92	6,486.85	0.00	0.00	0.00
12,200.00	90.00	88.987	6,184.00	111.64	6,585.90	6,586.85	0.00	0.00	0.00
12,300.00	90.00	88.987	6,184.00	113.40	6,685.89	6,686.85	0.00	0.00	0.00
12,400.00	90.00	88.987	6,184.00	115.17	6,785.87	6,786.85	0.00	0.00	0.00
12,500.00	90.00	88.987	6,184.00	116.94	6,885.85	6,886.85	0.00	0.00	0.00
12,600.00	90.00	88.987	6,184.00	118.71	6,985.84	6,986.85	0.00	0.00	0.00
12,700.00	90.00	88.987	6,184.00	120.47	7,085.82	7,086.85	0.00	0.00	0.00
12,800.00	90.00	88.987	6,184.00	122.24	7,185.81	7,186.85	0.00	0.00	0.00
12,900.00	90.00	88.987	6,184.00	124.01	7,285.79	7,286.85	0.00	0.00	0.00
13,000.00	90.00	88.987	6,184.00	125.78	7,385.78	7,386.85	0.00	0.00	0.00
13,100.00	90.00	88.987	6,184.00	127.55	7,485.76	7,486.85	0.00	0.00	0.00
13,200.00	90.00	88.987	6,184.00	129.31	7,585.75	7,586.85	0.00	0.00	0.00
13,300.00	90.00	88.987	6,184.00	131.08	7,685.73	7,686.85	0.00	0.00	0.00
13,400.00	90.00	88.987	6,184.00	132.85	7,785.71	7,786.85	0.00	0.00	0.00
13,500.00	90.00	88.987	6,184.00	134.62	7,885.70	7,886.85	0.00	0.00	0.00
13,600.00	90.00	88.987	6,184.00	136.39	7,985.68	7,986.85	0.00	0.00	0.00
13,700.00	90.00	88.987	6,184.00	138.15	8,085.67	8,086.85	0.00	0.00	0.00
13,800.00	90.00	88.987	6,184.00	139.92	8,185.65	8,186.85	0.00	0.00	0.00
13,900.00	90.00	88.987	6,184.00	141.69	8,285.64	8,286.85	0.00	0.00	0.00
14,000.00	90.00	88.987	6,184.00	143.46	8,385.62	8,386.85	0.00	0.00	0.00
14,100.00	90.00	88.987	6,184.00	145.22	8,485.60	8,486.85	0.00	0.00	0.00
14,200.00	90.00	88.987	6,184.00	146.99	8,585.59	8,586.85	0.00	0.00	0.00
14,300.00	90.00	88.987	6,184.00	148.76	8,685.57	8,686.85	0.00	0.00	0.00
14,400.00	90.00	88.987	6,184.00	150.53	8,785.56	8,786.85	0.00	0.00	0.00
14,500.00	90.00	88.987	6,184.00	152.30	8,885.54	8,886.85	0.00	0.00	0.00
14,600.00	90.00	88.987	6,184.00	154.06	8,985.53	8,986.85	0.00	0.00	0.00
14,700.00	90.00	88.987	6,184.00	155.83	9,085.51	9,086.85	0.00	0.00	0.00
14,800.00	90.00	88.987	6,184.00	157.60	9,185.50	9,186.85	0.00	0.00	0.00
14,900.00	90.00	88.987	6,184.00	159.37	9,285.48	9,286.85	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well RSU Anschutz Fed 4-62-02-6457C
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4523' & KB 20' @ 4543.00ft
<b>Site:</b>	RSU Anschutz Fed 4-62-2_1 SE3 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RSU Anschutz Fed 4-62-02-6457C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	90.00	88.987	6,184.00	161.13	9,385.46	9,386.85	0.00	0.00	0.00
15,100.00	90.00	88.987	6,184.00	162.90	9,485.45	9,486.85	0.00	0.00	0.00
15,200.00	90.00	88.987	6,184.00	164.67	9,585.43	9,586.85	0.00	0.00	0.00
15,300.00	90.00	88.987	6,184.00	166.44	9,685.42	9,686.85	0.00	0.00	0.00
15,400.00	90.00	88.987	6,184.00	168.21	9,785.40	9,786.85	0.00	0.00	0.00
15,500.00	90.00	88.987	6,184.00	169.97	9,885.39	9,886.85	0.00	0.00	0.00
15,600.00	90.00	88.987	6,184.00	171.74	9,985.37	9,986.85	0.00	0.00	0.00
15,700.00	90.00	88.987	6,184.00	173.51	10,085.35	10,086.85	0.00	0.00	0.00
15,800.00	90.00	88.987	6,184.00	175.28	10,185.34	10,186.85	0.00	0.00	0.00
15,900.00	90.00	88.987	6,184.00	177.05	10,285.32	10,286.85	0.00	0.00	0.00
16,000.00	90.00	88.987	6,184.00	178.81	10,385.31	10,386.85	0.00	0.00	0.00
16,100.00	90.00	88.987	6,184.00	180.58	10,485.29	10,486.85	0.00	0.00	0.00
16,200.00	90.00	88.987	6,184.00	182.35	10,585.28	10,586.85	0.00	0.00	0.00
16,300.00	90.00	88.987	6,184.00	184.12	10,685.26	10,686.85	0.00	0.00	0.00
16,400.00	90.00	88.987	6,184.00	185.88	10,785.25	10,786.85	0.00	0.00	0.00
16,500.00	90.00	88.987	6,184.00	187.65	10,885.23	10,886.85	0.00	0.00	0.00
16,600.00	90.00	88.987	6,184.00	189.42	10,985.21	10,986.85	0.00	0.00	0.00
16,700.00	90.00	88.987	6,184.00	191.19	11,085.20	11,086.85	0.00	0.00	0.00
16,785.36	90.00	88.987	6,184.00	192.70	11,170.55	11,172.21	0.00	0.00	0.00
TD at 16785.36									

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									
4-62-02-6457C LP	0.00	0.000	6,184.00	11.32	912.16	1,367,149.76	3,334,137.57	40° 20' 6.101 N	104° 18' 4.972 W
- plan hits target center									
- Point									
4-62-02-6457C PBHL	0.00	0.000	6,184.00	192.70	11,170.55	1,367,469.40	3,344,392.56	40° 20' 7.868 N	104° 15' 52.499 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.00	200.00	0.00	0.00	Start Build 2.00
1,064.68	1,051.61	0.70	129.50	Start 300.06 hold at 1064.68 MD
1,364.73	1,338.10	1.18	218.70	Start Drop -1.50
2,517.64	2,473.58	2.11	391.37	Start 3189.55 hold at 2517.64 MD
5,707.19	5,663.13	2.11	391.37	Start DLS 11.00 TFO 88.99
6,525.37	6,184.00	11.32	912.16	Start 10259.99 hold at 6525.37 MD
16,785.36	6,184.00	192.70	11,170.55	TD at 16785.36