



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.35-T5N-R62W

Anschutz State 5-62-35-1609CH2

Wellbore #1

Plan: Design #2

Standard Planning Report

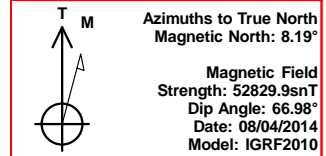
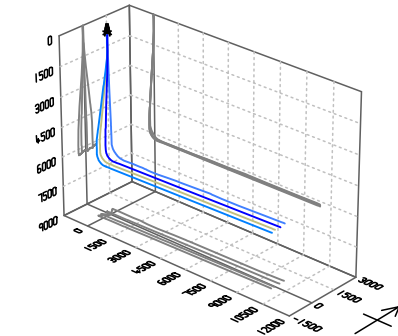
15 January, 2015

Archer



Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.35-T5N-R62W
Well: Anschutz State 5-62-35-1609CH2
Wellbore: Wellbore #1
Design: Design #2
Lat: 40° 21' 39.801 N
Long: 104° 17' 55.720 W
Pad GL: 4640.00
KB: WELL @ 4663.00usft (Original Well Elev)

Archer



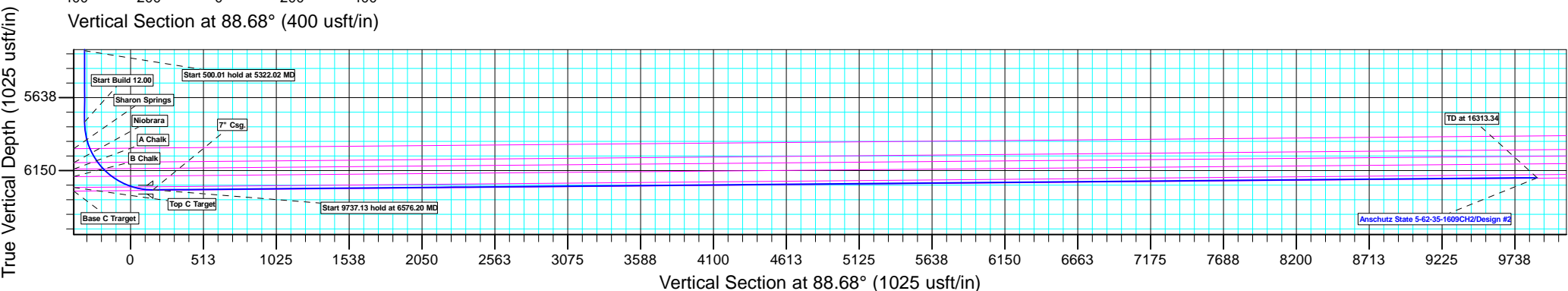
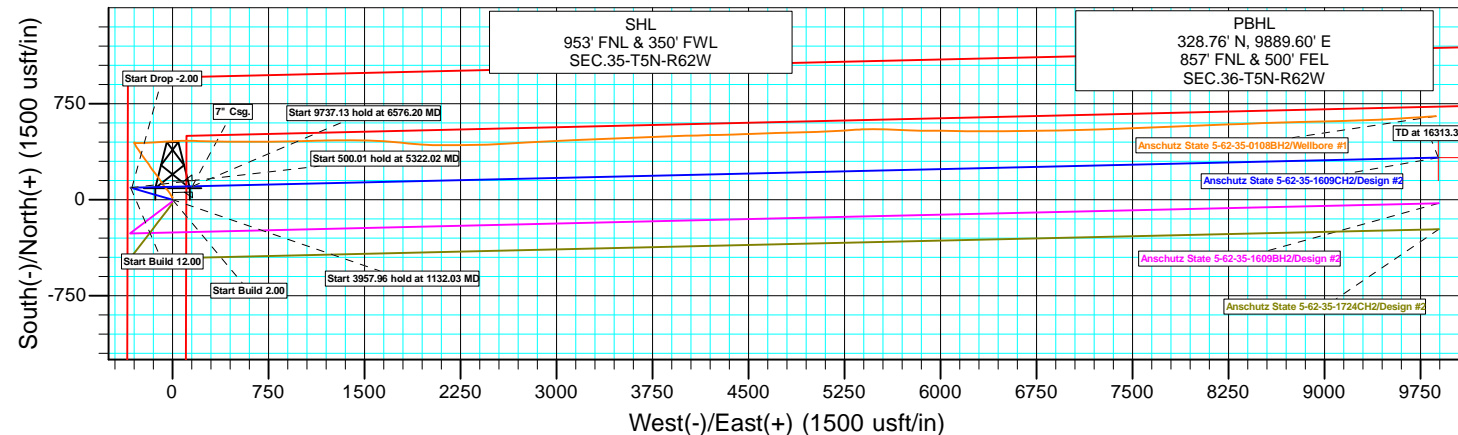
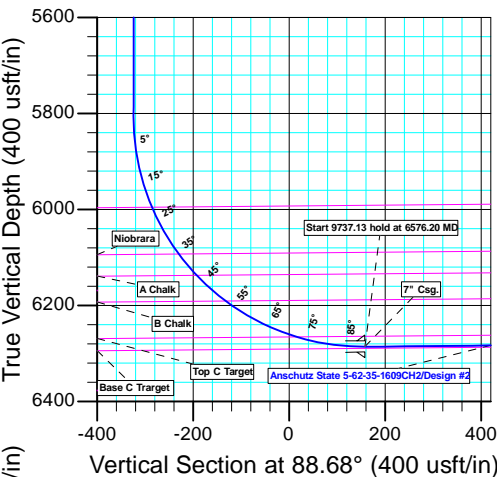
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00	
1132.03	4.64	285.88	1131.78	2.57	-9.03	2.00	285.88	-8.97	Start 3957.96 hold at 1132.03 MD	
5089.99	4.64	285.88	5076.76	90.19	-317.04	0.00	0.00	-314.87	Start Drop -2.00	
5322.02	0.00	0.00	5308.54	92.76	-326.07	2.00	180.00	-323.85	Start 500.01 hold at 5322.02 MD	
5822.03	0.00	0.00	5808.55	92.76	-326.07	0.00	0.00	-323.85	Start Build 12.00	
6576.20	90.50	88.68	6286.00	103.88	155.43	12.00	88.68	157.79	Start 9737.13 hold at 6576.20 MD	
16313.34	90.50	88.68	6201.00	328.76	9889.60	0.00	0.00	9894.55	TD at 16313.34	

WELL DETAILS: Anschutz State 5-62-35-1609CH2						
+N/-S	+E/-W	Northing	Ground Level: Easting	4640.00 Latitude	104° 21' 39.801 N Longitude	Slot
0.00	0.00	1376640.395	3334725.518	40° 21' 39.801 N	104° 17' 55.720 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
6286.00	6576.20	7" Csg.

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Anschutz State 5-62-35-1609CH2 tgt	6201.00	328.76	9889.60	40° 21' 43.031 N	104° 15' 47.959 W
					Shape Point



Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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 5-62-35-1609CH2					
Well Position	+N/-S	1,354.07 usft	Northing:	1,376,640.395 usft	Latitude:	40° 21' 39.801 N
	+E/-W	3.90 usft	Easting:	3,334,725.518 usft	Longitude:	104° 17' 55.720 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,640.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/08/04	8.19	66.98	52,830

Design	Design #2			
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	88.68

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	
1,132.03	4.64	285.88	1,131.78	2.57	-9.03	2.00	2.00	0.00	285.88	
5,089.99	4.64	285.88	5,076.76	90.19	-317.04	0.00	0.00	0.00	0.00	
5,322.02	0.00	0.00	5,308.54	92.76	-326.07	2.00	-2.00	0.00	180.00	
5,822.03	0.00	0.00	5,808.55	92.76	-326.07	0.00	0.00	0.00	0.00	
6,576.20	90.50	88.68	6,286.00	103.88	155.43	12.00	12.00	0.00	88.68	Anschutz State 5-62-35-1609CH2
16,313.34	90.50	88.68	6,201.00	328.76	9,889.60	0.00	0.00	0.00	0.00	Anschutz State 5-62-35-1609CH2

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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	285.88	999.98	0.48	-1.68	-1.67	2.00	2.00	0.00
1,100.00	4.00	285.88	1,099.84	1.91	-6.71	-6.67	2.00	2.00	0.00
Start 3957.96 hold at 1132.03 MD									
1,132.03	4.64	285.88	1,131.78	2.57	-9.03	-8.97	2.00	2.00	0.00
1,200.00	4.64	285.88	1,199.52	4.07	-14.32	-14.22	0.00	0.00	0.00
1,300.00	4.64	285.88	1,299.20	6.29	-22.10	-21.95	0.00	0.00	0.00
1,400.00	4.64	285.88	1,398.87	8.50	-29.89	-29.68	0.00	0.00	0.00
1,500.00	4.64	285.88	1,498.54	10.72	-37.67	-37.41	0.00	0.00	0.00
1,600.00	4.64	285.88	1,598.21	12.93	-45.45	-45.14	0.00	0.00	0.00
1,700.00	4.64	285.88	1,697.88	15.14	-53.23	-52.87	0.00	0.00	0.00
1,800.00	4.64	285.88	1,797.56	17.36	-61.01	-60.60	0.00	0.00	0.00
1,900.00	4.64	285.88	1,897.23	19.57	-68.80	-68.33	0.00	0.00	0.00
2,000.00	4.64	285.88	1,996.90	21.78	-76.58	-76.06	0.00	0.00	0.00
2,100.00	4.64	285.88	2,096.57	24.00	-84.36	-83.78	0.00	0.00	0.00
2,200.00	4.64	285.88	2,196.25	26.21	-92.14	-91.51	0.00	0.00	0.00
2,300.00	4.64	285.88	2,295.92	28.43	-99.92	-99.24	0.00	0.00	0.00
2,400.00	4.64	285.88	2,395.59	30.64	-107.70	-106.97	0.00	0.00	0.00
2,500.00	4.64	285.88	2,495.26	32.85	-115.49	-114.70	0.00	0.00	0.00
2,600.00	4.64	285.88	2,594.93	35.07	-123.27	-122.43	0.00	0.00	0.00
2,700.00	4.64	285.88	2,694.61	37.28	-131.05	-130.16	0.00	0.00	0.00
2,800.00	4.64	285.88	2,794.28	39.49	-138.83	-137.89	0.00	0.00	0.00
2,900.00	4.64	285.88	2,893.95	41.71	-146.61	-145.61	0.00	0.00	0.00
3,000.00	4.64	285.88	2,993.62	43.92	-154.40	-153.34	0.00	0.00	0.00
3,100.00	4.64	285.88	3,093.29	46.14	-162.18	-161.07	0.00	0.00	0.00
3,200.00	4.64	285.88	3,192.97	48.35	-169.96	-168.80	0.00	0.00	0.00
3,300.00	4.64	285.88	3,292.64	50.56	-177.74	-176.53	0.00	0.00	0.00
3,400.00	4.64	285.88	3,392.31	52.78	-185.52	-184.26	0.00	0.00	0.00
3,500.00	4.64	285.88	3,491.98	54.99	-193.31	-191.99	0.00	0.00	0.00
3,600.00	4.64	285.88	3,591.66	57.21	-201.09	-199.72	0.00	0.00	0.00
3,700.00	4.64	285.88	3,691.33	59.42	-208.87	-207.45	0.00	0.00	0.00
3,800.00	4.64	285.88	3,791.00	61.63	-216.65	-215.17	0.00	0.00	0.00
3,900.00	4.64	285.88	3,890.67	63.85	-224.43	-222.90	0.00	0.00	0.00
4,000.00	4.64	285.88	3,990.34	66.06	-232.22	-230.63	0.00	0.00	0.00
4,100.00	4.64	285.88	4,090.02	68.27	-240.00	-238.36	0.00	0.00	0.00
Sussex									
4,174.36	4.64	285.88	4,164.13	69.92	-245.78	-244.11	0.00	0.00	0.00
4,200.00	4.64	285.88	4,189.69	70.49	-247.78	-246.09	0.00	0.00	0.00
4,300.00	4.64	285.88	4,289.36	72.70	-255.56	-253.82	0.00	0.00	0.00
4,400.00	4.64	285.88	4,389.03	74.92	-263.34	-261.55	0.00	0.00	0.00
4,500.00	4.64	285.88	4,488.71	77.13	-271.12	-269.28	0.00	0.00	0.00
4,600.00	4.64	285.88	4,588.38	79.34	-278.91	-277.00	0.00	0.00	0.00
4,700.00	4.64	285.88	4,688.05	81.56	-286.69	-284.73	0.00	0.00	0.00

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Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
Shannon									
4,710.48	4.64	285.88	4,698.49	81.79	-287.50	-285.54	0.00	0.00	0.00
4,800.00	4.64	285.88	4,787.72	83.77	-294.47	-292.46	0.00	0.00	0.00
4,900.00	4.64	285.88	4,887.39	85.98	-302.25	-300.19	0.00	0.00	0.00
5,000.00	4.64	285.88	4,987.07	88.20	-310.03	-307.92	0.00	0.00	0.00
Start Drop -2.00									
5,089.99	4.64	285.88	5,076.76	90.19	-317.04	-314.87	0.00	0.00	0.00
5,100.00	4.44	285.88	5,086.74	90.41	-317.80	-315.63	2.00	-2.00	0.00
5,200.00	2.44	285.88	5,186.55	92.05	-323.57	-321.36	2.00	-2.00	0.00
5,300.00	0.44	285.88	5,286.52	92.74	-325.99	-323.77	2.00	-2.00	0.00
Start 500.01 hold at 5322.02 MD									
5,322.02	0.00	0.00	5,308.54	92.76	-326.07	-323.85	2.00	-2.00	0.00
5,400.00	0.00	0.00	5,386.52	92.76	-326.07	-323.85	0.00	0.00	0.00
5,500.00	0.00	0.00	5,486.52	92.76	-326.07	-323.85	0.00	0.00	0.00
5,600.00	0.00	0.00	5,586.52	92.76	-326.07	-323.85	0.00	0.00	0.00
5,700.00	0.00	0.00	5,686.52	92.76	-326.07	-323.85	0.00	0.00	0.00
5,800.00	0.00	0.00	5,786.52	92.76	-326.07	-323.85	0.00	0.00	0.00
Start Build 12.00									
5,822.03	0.00	0.00	5,808.55	92.76	-326.07	-323.85	0.00	0.00	0.00
5,825.00	0.36	88.68	5,811.52	92.76	-326.06	-323.84	12.00	12.00	0.00
5,850.00	3.36	88.68	5,836.50	92.78	-325.25	-323.03	12.00	12.00	0.00
5,875.00	6.36	88.68	5,861.41	92.83	-323.14	-320.91	12.00	12.00	0.00
5,900.00	9.36	88.68	5,886.17	92.91	-319.72	-317.49	12.00	12.00	0.00
5,925.00	12.36	88.68	5,910.72	93.02	-315.01	-312.79	12.00	12.00	0.00
5,950.00	15.36	88.68	5,934.99	93.15	-309.03	-306.80	12.00	12.00	0.00
5,975.00	18.36	88.68	5,958.91	93.32	-301.78	-299.55	12.00	12.00	0.00
6,000.00	21.36	88.68	5,982.43	93.52	-293.29	-291.06	12.00	12.00	0.00
Sharon Springs									
6,014.11	23.05	88.68	5,995.49	93.64	-287.96	-285.73	12.00	12.00	0.00
6,025.00	24.36	88.68	6,005.46	93.74	-283.59	-281.35	12.00	12.00	0.00
6,050.00	27.36	88.68	6,027.95	93.99	-272.69	-270.45	12.00	12.00	0.00
6,075.00	30.36	88.68	6,049.85	94.27	-260.63	-258.39	12.00	12.00	0.00
6,100.00	33.36	88.68	6,071.08	94.58	-247.44	-245.19	12.00	12.00	0.00
6,125.00	36.36	88.68	6,091.59	94.91	-233.16	-230.91	12.00	12.00	0.00
Niobrara									
6,126.76	36.57	88.68	6,093.01	94.93	-232.11	-229.86	12.00	12.00	0.00
6,150.00	39.36	88.68	6,111.33	95.26	-217.82	-215.57	12.00	12.00	0.00
6,175.00	42.36	88.68	6,130.24	95.64	-201.47	-199.21	12.00	12.00	0.00
A Chalk									
6,185.17	43.58	88.68	6,137.68	95.80	-194.54	-192.28	12.00	12.00	0.00
6,200.00	45.36	88.68	6,148.26	96.04	-184.16	-181.90	12.00	12.00	0.00
6,225.00	48.36	88.68	6,165.35	96.46	-165.92	-163.66	12.00	12.00	0.00
6,250.00	51.36	88.68	6,181.47	96.90	-146.82	-144.55	12.00	12.00	0.00
B Chalk									
6,265.84	53.26	88.68	6,191.15	97.19	-134.29	-132.02	12.00	12.00	0.00
6,275.00	54.36	88.68	6,196.56	97.36	-126.90	-124.62	12.00	12.00	0.00
6,300.00	57.36	88.68	6,210.59	97.84	-106.22	-103.93	12.00	12.00	0.00
6,325.00	60.36	88.68	6,223.52	98.33	-84.83	-82.54	12.00	12.00	0.00
6,350.00	63.36	88.68	6,235.31	98.84	-62.79	-60.50	12.00	12.00	0.00
6,375.00	66.36	88.68	6,245.93	99.36	-40.17	-37.87	12.00	12.00	0.00
6,400.00	69.36	88.68	6,255.36	99.90	-17.02	-14.72	12.00	12.00	0.00
6,425.00	72.36	88.68	6,263.55	100.44	6.59	8.90	12.00	12.00	0.00
Top C Target									

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)
6,432.80	73.29	88.68	6,265.86	100.62	14.04	16.35	12.00	12.00	0.00
6,450.00	75.36	88.68	6,270.50	101.00	30.59	32.91	12.00	12.00	0.00
6,475.00	78.36	88.68	6,276.19	101.56	54.93	57.25	12.00	12.00	0.00
6,500.00	81.36	88.68	6,280.59	102.13	79.53	81.86	12.00	12.00	0.00
6,525.00	84.36	88.68	6,283.70	102.70	104.32	106.66	12.00	12.00	0.00
6,550.00	87.36	88.68	6,285.51	103.28	129.25	131.59	12.00	12.00	0.00
Start 9737.13 hold at 6576.20 MD - 7" Csg.									
6,576.20	90.50	88.68	6,286.00	103.88	155.43	157.79	12.00	12.00	0.00
6,600.00	90.50	88.68	6,285.79	104.43	179.23	181.58	0.00	0.00	0.00
6,700.00	90.50	88.68	6,284.92	106.74	279.20	281.58	0.00	0.00	0.00
6,800.00	90.50	88.68	6,284.04	109.05	379.17	381.58	0.00	0.00	0.00
6,900.00	90.50	88.68	6,283.17	111.36	479.14	481.57	0.00	0.00	0.00
7,000.00	90.50	88.68	6,282.30	113.67	579.10	581.57	0.00	0.00	0.00
7,100.00	90.50	88.68	6,281.42	115.98	679.07	681.57	0.00	0.00	0.00
7,200.00	90.50	88.68	6,280.55	118.29	779.04	781.56	0.00	0.00	0.00
7,300.00	90.50	88.68	6,279.68	120.60	879.01	881.56	0.00	0.00	0.00
7,400.00	90.50	88.68	6,278.81	122.91	978.98	981.55	0.00	0.00	0.00
7,500.00	90.50	88.68	6,277.93	125.22	1,078.95	1,081.55	0.00	0.00	0.00
7,600.00	90.50	88.68	6,277.06	127.53	1,178.92	1,181.55	0.00	0.00	0.00
7,700.00	90.50	88.68	6,276.19	129.84	1,278.89	1,281.54	0.00	0.00	0.00
7,800.00	90.50	88.68	6,275.31	132.15	1,378.86	1,381.54	0.00	0.00	0.00
7,900.00	90.50	88.68	6,274.44	134.46	1,478.83	1,481.54	0.00	0.00	0.00
8,000.00	90.50	88.68	6,273.57	136.77	1,578.80	1,581.53	0.00	0.00	0.00
8,100.00	90.50	88.68	6,272.70	139.08	1,678.77	1,681.53	0.00	0.00	0.00
8,200.00	90.50	88.68	6,271.82	141.38	1,778.74	1,781.52	0.00	0.00	0.00
8,300.00	90.50	88.68	6,270.95	143.69	1,878.71	1,881.52	0.00	0.00	0.00
8,400.00	90.50	88.68	6,270.08	146.00	1,978.68	1,981.52	0.00	0.00	0.00
8,500.00	90.50	88.68	6,269.20	148.31	2,078.65	2,081.51	0.00	0.00	0.00
8,600.00	90.50	88.68	6,268.33	150.62	2,178.62	2,181.51	0.00	0.00	0.00
8,700.00	90.50	88.68	6,267.46	152.93	2,278.59	2,281.50	0.00	0.00	0.00
8,800.00	90.50	88.68	6,266.59	155.24	2,378.56	2,381.50	0.00	0.00	0.00
8,900.00	90.50	88.68	6,265.71	157.55	2,478.53	2,481.50	0.00	0.00	0.00
9,000.00	90.50	88.68	6,264.84	159.86	2,578.49	2,581.49	0.00	0.00	0.00
9,100.00	90.50	88.68	6,263.97	162.17	2,678.46	2,681.49	0.00	0.00	0.00
9,200.00	90.50	88.68	6,263.09	164.48	2,778.43	2,781.49	0.00	0.00	0.00
9,300.00	90.50	88.68	6,262.22	166.79	2,878.40	2,881.48	0.00	0.00	0.00
9,400.00	90.50	88.68	6,261.35	169.10	2,978.37	2,981.48	0.00	0.00	0.00
9,500.00	90.50	88.68	6,260.48	171.41	3,078.34	3,081.47	0.00	0.00	0.00
9,600.00	90.50	88.68	6,259.60	173.72	3,178.31	3,181.47	0.00	0.00	0.00
9,700.00	90.50	88.68	6,258.73	176.03	3,278.28	3,281.47	0.00	0.00	0.00
9,800.00	90.50	88.68	6,257.86	178.34	3,378.25	3,381.46	0.00	0.00	0.00
9,900.00	90.50	88.68	6,256.98	180.65	3,478.22	3,481.46	0.00	0.00	0.00
10,000.00	90.50	88.68	6,256.11	182.95	3,578.19	3,581.46	0.00	0.00	0.00
10,100.00	90.50	88.68	6,255.24	185.26	3,678.16	3,681.45	0.00	0.00	0.00
10,200.00	90.50	88.68	6,254.37	187.57	3,778.13	3,781.45	0.00	0.00	0.00
10,300.00	90.50	88.68	6,253.49	189.88	3,878.10	3,881.44	0.00	0.00	0.00
10,400.00	90.50	88.68	6,252.62	192.19	3,978.07	3,981.44	0.00	0.00	0.00
10,500.00	90.50	88.68	6,251.75	194.50	4,078.04	4,081.44	0.00	0.00	0.00
10,600.00	90.50	88.68	6,250.87	196.81	4,178.01	4,181.43	0.00	0.00	0.00
10,700.00	90.50	88.68	6,250.00	199.12	4,277.98	4,281.43	0.00	0.00	0.00
10,800.00	90.50	88.68	6,249.13	201.43	4,377.95	4,381.42	0.00	0.00	0.00
10,900.00	90.50	88.68	6,248.26	203.74	4,477.92	4,481.42	0.00	0.00	0.00
11,000.00	90.50	88.68	6,247.38	206.05	4,577.89	4,581.42	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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	90.50	88.68	6,246.51	208.36	4,677.85	4,681.41	0.00	0.00	0.00
11,200.00	90.50	88.68	6,245.64	210.67	4,777.82	4,781.41	0.00	0.00	0.00
11,300.00	90.50	88.68	6,244.76	212.98	4,877.79	4,881.41	0.00	0.00	0.00
11,400.00	90.50	88.68	6,243.89	215.29	4,977.76	4,981.40	0.00	0.00	0.00
11,500.00	90.50	88.68	6,243.02	217.60	5,077.73	5,081.40	0.00	0.00	0.00
11,600.00	90.50	88.68	6,242.15	219.91	5,177.70	5,181.39	0.00	0.00	0.00
11,700.00	90.50	88.68	6,241.27	222.22	5,277.67	5,281.39	0.00	0.00	0.00
11,800.00	90.50	88.68	6,240.40	224.53	5,377.64	5,381.39	0.00	0.00	0.00
11,900.00	90.50	88.68	6,239.53	226.83	5,477.61	5,481.38	0.00	0.00	0.00
12,000.00	90.50	88.68	6,238.65	229.14	5,577.58	5,581.38	0.00	0.00	0.00
12,100.00	90.50	88.68	6,237.78	231.45	5,677.55	5,681.38	0.00	0.00	0.00
12,200.00	90.50	88.68	6,236.91	233.76	5,777.52	5,781.37	0.00	0.00	0.00
12,300.00	90.50	88.68	6,236.04	236.07	5,877.49	5,881.37	0.00	0.00	0.00
12,400.00	90.50	88.68	6,235.16	238.38	5,977.46	5,981.36	0.00	0.00	0.00
12,500.00	90.50	88.68	6,234.29	240.69	6,077.43	6,081.36	0.00	0.00	0.00
12,600.00	90.50	88.68	6,233.42	243.00	6,177.40	6,181.36	0.00	0.00	0.00
12,700.00	90.50	88.68	6,232.54	245.31	6,277.37	6,281.35	0.00	0.00	0.00
12,800.00	90.50	88.68	6,231.67	247.62	6,377.34	6,381.35	0.00	0.00	0.00
12,900.00	90.50	88.68	6,230.80	249.93	6,477.31	6,481.34	0.00	0.00	0.00
13,000.00	90.50	88.68	6,229.93	252.24	6,577.28	6,581.34	0.00	0.00	0.00
13,100.00	90.50	88.68	6,229.05	254.55	6,677.25	6,681.34	0.00	0.00	0.00
13,200.00	90.50	88.68	6,228.18	256.86	6,777.21	6,781.33	0.00	0.00	0.00
13,300.00	90.50	88.68	6,227.31	259.17	6,877.18	6,881.33	0.00	0.00	0.00
13,400.00	90.50	88.68	6,226.43	261.48	6,977.15	6,981.33	0.00	0.00	0.00
13,500.00	90.50	88.68	6,225.56	263.79	7,077.12	7,081.32	0.00	0.00	0.00
13,600.00	90.50	88.68	6,224.69	266.10	7,177.09	7,181.32	0.00	0.00	0.00
13,700.00	90.50	88.68	6,223.82	268.40	7,277.06	7,281.31	0.00	0.00	0.00
13,800.00	90.50	88.68	6,222.94	270.71	7,377.03	7,381.31	0.00	0.00	0.00
13,900.00	90.50	88.68	6,222.07	273.02	7,477.00	7,481.31	0.00	0.00	0.00
14,000.00	90.50	88.68	6,221.20	275.33	7,576.97	7,581.30	0.00	0.00	0.00
14,100.00	90.50	88.68	6,220.32	277.64	7,676.94	7,681.30	0.00	0.00	0.00
14,200.00	90.50	88.68	6,219.45	279.95	7,776.91	7,781.30	0.00	0.00	0.00
14,300.00	90.50	88.68	6,218.58	282.26	7,876.88	7,881.29	0.00	0.00	0.00
14,400.00	90.50	88.68	6,217.71	284.57	7,976.85	7,981.29	0.00	0.00	0.00
14,500.00	90.50	88.68	6,216.83	286.88	8,076.82	8,081.28	0.00	0.00	0.00
14,600.00	90.50	88.68	6,215.96	289.19	8,176.79	8,181.28	0.00	0.00	0.00
14,700.00	90.50	88.68	6,215.09	291.50	8,276.76	8,281.28	0.00	0.00	0.00
14,800.00	90.50	88.68	6,214.21	293.81	8,376.73	8,381.27	0.00	0.00	0.00
14,900.00	90.50	88.68	6,213.34	296.12	8,476.70	8,481.27	0.00	0.00	0.00
15,000.00	90.50	88.68	6,212.47	298.43	8,576.67	8,581.26	0.00	0.00	0.00
15,100.00	90.50	88.68	6,211.60	300.74	8,676.64	8,681.26	0.00	0.00	0.00
15,200.00	90.50	88.68	6,210.72	303.05	8,776.60	8,781.26	0.00	0.00	0.00
15,300.00	90.50	88.68	6,209.85	305.36	8,876.57	8,881.25	0.00	0.00	0.00
15,400.00	90.50	88.68	6,208.98	307.67	8,976.54	8,981.25	0.00	0.00	0.00
15,500.00	90.50	88.68	6,208.10	309.98	9,076.51	9,081.25	0.00	0.00	0.00
15,600.00	90.50	88.68	6,207.23	312.28	9,176.48	9,181.24	0.00	0.00	0.00
15,700.00	90.50	88.68	6,206.36	314.59	9,276.45	9,281.24	0.00	0.00	0.00
15,800.00	90.50	88.68	6,205.49	316.90	9,376.42	9,381.23	0.00	0.00	0.00
15,900.00	90.50	88.68	6,204.61	319.21	9,476.39	9,481.23	0.00	0.00	0.00
16,000.00	90.50	88.68	6,203.74	321.52	9,576.36	9,581.23	0.00	0.00	0.00
16,100.00	90.50	88.68	6,202.87	323.83	9,676.33	9,681.22	0.00	0.00	0.00
16,200.00	90.50	88.68	6,201.99	326.14	9,776.30	9,781.22	0.00	0.00	0.00
16,300.00	90.50	88.68	6,201.12	328.45	9,876.27	9,881.22	0.00	0.00	0.00
TD at 16313.34									

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Company:	Bill Barrett Corp.	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Project:	Weld Co., CO	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site:	Sec.35-T5N-R62W	North Reference:	True
Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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)	
16,313.34	90.50	88.68	6,201.00	328.76	9,889.60	9,894.55	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	6,201.00	328.76	9,889.60	1,377,103.084	3,344,609.759	40° 21' 43.031 N	104° 15' 47.959 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
6,576.20	6,286.00	7" Csg.	7	8-3/4	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,174.36	4,162.00	Sussex		-0.50	88.68	
4,710.48	4,696.00	Shannon		-0.50	88.68	
6,014.11	5,993.00	Sharon Springs		-0.50	88.64	
6,126.76	6,091.00	Niobrara		-0.50	88.68	
6,185.17	6,136.00	A Chalk		-0.50	88.68	
6,265.84	6,190.00	B Chalk		-0.50	88.68	
6,432.80	6,266.00	Top C Target		-0.50	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	
1,132.03	1,131.78	2.57	-9.03	Start 3957.96 hold at 1132.03 MD	
5,089.99	5,076.76	90.19	-317.04	Start Drop -2.00	
5,322.02	5,308.54	92.76	-326.07	Start 500.01 hold at 5322.02 MD	
5,822.03	5,808.55	92.76	-326.07	Start Build 12.00	
6,576.20	6,286.00	103.88	155.43	Start 9737.13 hold at 6576.20 MD	
16,313.34	6,201.00	328.76	9,889.60	TD at 16313.34	



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.35-T5N-R62W

Anschutz State 5-62-35-1609CH2

Wellbore #1

Design #2

Anticollision Report

15 January, 2015

Archer

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Reference	Design #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 30.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	2015/01/15		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	16,313.34	Design #2 (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec.35-T5N-R62W						
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	798.89	791.89	14.93	12.40	5.901	CC
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	16,020.00	15,860.00	315.34	-224.23	0.584	Level 1, SF
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	16,313.34	16,144.48	328.46	-227.75	0.591	Level 1, ES
Anschutz State 5-62-35-1609BH2 - Wellbore #1 - Design	900.00	900.00	14.23	10.46	3.776	CC
Anschutz State 5-62-35-1609BH2 - Wellbore #1 - Design	16,313.34	16,281.22	356.85	-206.67	0.633	Level 1, ES, SF
Anschutz State 5-62-35-1724CH2 - Wellbore #1 - Design	900.00	900.00	29.52	25.75	7.832	CC
Anschutz State 5-62-35-1724CH2 - Wellbore #1 - Design	16,313.34	16,367.46	560.99	-1.49	0.997	Level 1, ES, SF

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	14.93	0.00	14.93	14.89	0.03	449.662	
30.00	30.00	23.00	30.00	0.01	0.03	0.00	0.00	14.93	0.00	14.93	14.83	0.10	149.348	
60.00	60.00	53.00	60.00	0.04	0.06	0.00	0.00	14.93	0.00	14.93	14.76	0.17	89.544	
90.00	90.00	83.00	90.00	0.08	0.09	0.00	0.00	14.93	0.00	14.93	14.67	0.26	58.325	
120.00	120.00	113.00	120.00	0.13	0.12	0.00	0.00	14.93	0.00	14.93	14.57	0.36	41.884	
150.00	150.00	143.00	150.00	0.20	0.16	0.00	0.00	14.93	0.00	14.93	14.47	0.46	32.673	
180.00	180.00	173.00	180.00	0.27	0.19	0.00	0.00	14.93	0.00	14.93	14.37	0.56	26.784	
210.00	210.00	203.00	210.00	0.33	0.22	0.00	0.00	14.93	0.00	14.93	14.27	0.66	22.693	
240.00	240.00	233.00	240.00	0.40	0.26	0.00	0.00	14.93	0.00	14.93	14.17	0.76	19.686	
270.00	270.00	263.00	270.00	0.47	0.29	0.00	0.00	14.93	0.00	14.93	14.07	0.86	17.383	
300.00	300.00	293.00	300.00	0.54	0.32	0.00	0.00	14.93	0.00	14.93	13.97	0.96	15.562	
330.00	330.00	323.00	330.00	0.60	0.36	0.00	0.00	14.93	0.00	14.93	13.87	1.06	14.087	
360.00	360.00	353.00	360.00	0.67	0.39	0.00	0.00	14.93	0.00	14.93	13.77	1.16	12.867	
390.00	390.00	383.00	390.00	0.74	0.42	0.00	0.00	14.93	0.00	14.93	13.67	1.26	11.841	
420.00	420.00	413.00	420.00	0.81	0.45	0.00	0.00	14.93	0.00	14.93	13.57	1.36	10.967	
450.00	450.00	443.00	450.00	0.87	0.49	0.00	0.00	14.93	0.00	14.93	13.47	1.46	10.213	
480.00	480.00	473.00	480.00	0.94	0.52	0.00	0.00	14.93	0.00	14.93	13.37	1.56	9.557	
510.00	510.00	503.00	510.00	1.01	0.55	0.00	0.00	14.93	0.00	14.93	13.27	1.66	8.979	
540.00	540.00	533.00	540.00	1.08	0.59	0.00	0.00	14.93	0.00	14.93	13.16	1.76	8.467	
570.00	570.00	563.00	570.00	1.14	0.62	0.00	0.00	14.93	0.00	14.93	13.06	1.86	8.011	
600.00	600.00	593.00	600.00	1.21	0.65	0.00	0.00	14.93	0.00	14.93				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
630.00	630.00	623.00	630.00	1.28	0.69	0.00	14.93	0.00	14.93	12.96	1.96	7.601		
660.00	660.00	653.00	660.00	1.35	0.72	0.00	14.93	0.00	14.93	12.86	2.06	7.231		
690.00	690.00	683.00	690.00	1.41	0.75	0.00	14.93	0.00	14.93	12.76	2.16	6.895		
720.00	720.00	713.00	720.00	1.48	0.79	0.00	14.93	0.00	14.93	12.66	2.27	6.590		
750.00	750.00	743.00	750.00	1.55	0.82	0.00	14.93	0.00	14.93	12.56	2.37	6.310		
780.00	780.00	773.00	780.00	1.61	0.85	0.00	14.93	0.00	14.93	12.46	2.47	6.053		
798.89	798.89	791.89	798.89	1.66	0.87	0.00	14.93	0.00	14.93	12.40	2.53	5.901 CC		
810.00	810.00	803.00	810.00	1.68	0.89	0.00	14.93	0.00	14.93	12.36	2.57	5.808		
840.00	840.00	832.97	839.97	1.75	0.95	0.11	14.97	0.03	14.97	12.26	2.70	5.535		
870.00	870.00	862.93	869.93	1.82	1.02	0.39	15.07	0.10	15.07	12.23	2.84	5.309		
900.00	900.00	892.88	899.87	1.88	1.09	0.54	15.26	0.15	15.26	12.29	2.97	5.137		
930.00	930.00	922.82	929.82	1.95	1.15	0.95	15.56	0.11	15.52	12.42	3.10	5.004		
960.00	960.00	952.49	959.48	2.01	1.22	1.50	16.22	-0.18	16.06	12.83	3.23	4.967		
990.00	989.99	982.13	989.08	2.08	1.29	1.57	17.50	-0.89	17.14	13.78	3.37	5.094		
1,020.00	1,019.96	1,011.72	1,018.58	2.14	1.36	1.23	19.40	-2.01	18.76	15.27	3.50	5.367		
1,050.00	1,049.93	1,041.48	1,048.22	2.21	1.43	0.86	21.78	-3.47	20.78	17.15	3.63	5.723		
1,080.00	1,079.88	1,071.30	1,077.89	2.27	1.50	1.02	24.33	-5.03	22.87	19.11	3.77	6.074		
1,110.00	1,109.81	1,101.10	1,107.52	2.34	1.57	1.61	27.03	-6.70	25.04	21.14	3.90	6.418		
1,140.00	1,139.72	1,130.85	1,137.07	2.40	1.64	2.51	29.89	-8.46	27.30	23.26	4.04	6.757		
1,170.00	1,169.62	1,160.56	1,166.57	2.47	1.72	3.24	32.95	-10.32	29.74	25.56	4.18	7.113		
1,200.00	1,199.52	1,190.23	1,196.00	2.54	1.80	3.68	36.20	-12.26	32.39	28.06	4.32	7.492		
1,230.00	1,229.43	1,220.02	1,225.52	2.61	1.88	3.87	39.63	-14.29	35.19	30.72	4.47	7.879		
1,260.00	1,259.33	1,249.89	1,255.11	2.68	1.96	3.90	43.08	-16.42	38.00	33.40	4.61	8.246		
1,290.00	1,289.23	1,279.75	1,284.69	2.75	2.05	3.81	46.55	-18.63	40.82	36.07	4.75	8.590		
1,320.00	1,319.13	1,309.67	1,314.31	2.82	2.13	3.63	50.01	-20.92	43.64	38.74	4.89	8.917		
1,350.00	1,349.03	1,339.63	1,343.99	2.89	2.21	3.42	53.43	-23.24	46.39	41.36	5.03	9.218		
1,380.00	1,378.93	1,369.61	1,373.69	2.96	2.29	3.21	56.79	-25.59	49.09	43.92	5.17	9.491		
1,410.00	1,408.84	1,399.52	1,403.32	3.04	2.37	3.00	60.10	-27.97	51.74	46.42	5.31	9.736		
1,440.00	1,438.74	1,429.34	1,432.86	3.11	2.46	2.78	63.41	-30.38	54.40	48.94	5.46	9.966		
1,470.00	1,468.64	1,459.17	1,462.40	3.18	2.55	2.53	66.75	-32.83	57.10	51.50	5.60	10.190		
1,500.00	1,498.54	1,489.03	1,491.97	3.26	2.63	2.25	70.13	-35.33	59.82	54.07	5.75	10.403		
1,530.00	1,528.44	1,518.98	1,521.61	3.33	2.73	1.94	73.49	-37.90	62.52	56.62	5.90	10.595		
1,560.00	1,558.34	1,548.92	1,551.25	3.41	2.82	1.59	76.83	-40.54	65.20	59.14	6.05	10.774		
1,590.00	1,588.25	1,578.89	1,580.91	3.48	2.91	1.22	80.13	-43.24	67.84	61.64	6.20	10.941		
1,620.00	1,618.15	1,608.88	1,610.60	3.56	3.00	0.84	83.40	-45.98	70.44	64.09	6.35	11.096		
1,650.00	1,648.05	1,638.89	1,640.31	3.63	3.09	0.46	86.61	-48.76	72.99	66.49	6.50	11.237		
1,680.00	1,677.95	1,668.93	1,670.05	3.71	3.18	0.08	89.78	-51.56	75.50	68.85	6.64	11.365		
1,710.00	1,707.85	1,699.04	1,699.87	3.78	3.27	-0.27	92.88	-54.38	77.93	71.14	6.79	11.480		
1,740.00	1,737.75	1,729.17	1,729.71	3.86	3.36	-0.60	95.90	-57.19	80.28	73.35	6.93	11.577		
1,770.00	1,767.65	1,759.19	1,759.45	3.94	3.44	-0.90	98.83	-59.97	82.56	75.48	7.08	11.661		
1,800.00	1,797.56	1,788.82	1,788.82	4.01	3.53	-1.11	101.77	-62.65	84.88	77.65	7.23	11.747		
1,830.00	1,827.46	1,818.45	1,818.18	4.09	3.62	-1.26	104.80	-65.25	87.30	79.93	7.37	11.840		
1,860.00	1,857.36	1,848.04	1,847.50	4.17	3.70	-1.33	107.93	-67.76	89.82	82.29	7.52	11.942		
1,890.00	1,887.26	1,877.52	1,876.70	4.24	3.79	-1.32	111.17	-70.13	92.45	84.78	7.67	12.053		
1,920.00	1,917.16	1,906.98	1,905.88	4.32	3.88	-1.22	114.54	-72.36	95.22	87.40	7.82	12.175		
1,950.00	1,947.06	1,936.43	1,935.05	4.40	3.97	-1.04	118.05	-74.45	98.12	90.15	7.97	12.307		
1,980.00	1,976.97	1,966.49	1,964.82	4.48	4.06	-0.85	121.65	-76.51	101.05	92.93	8.12	12.439		
2,010.00	2,006.87	1,996.55	1,994.60	4.55	4.15	-0.68	125.20	-78.58	103.92	95.65	8.28	12.558		
2,040.00	2,036.77	2,026.63	2,024.40	4.63	4.23	-0.52	128.69	-80.65	106.74	98.31	8.43	12.666		
2,070.00	2,066.67	2,056.83	2,054.34	4.71	4.32	-0.36	132.11	-82.71	109.48	100.90	8.58	12.764		
2,100.00	2,096.57	2,087.04	2,084.30	4.79	4.41	-0.18	135.45	-84.71	112.13	103.40	8.73	12.848		
2,130.00	2,126.47	2,117.28	2,114.29	4.87	4.50	0.01	138.70	-86.67	114.69	105.81	8.88	12.918		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,160.00	2,156.38	2,146.69	2,143.47	4.94	4.59	0.21	141.87	-88.61	117.26	108.23	9.03	12.983		
2,190.00	2,186.28	2,176.04	2,172.56	5.02	4.68	0.33	145.17	-90.67	119.97	110.78	9.18	13.061		
2,220.00	2,216.18	2,205.36	2,201.60	5.10	4.77	0.39	148.59	-92.86	122.81	113.47	9.34	13.153		
2,250.00	2,246.08	2,235.40	2,231.34	5.18	4.86	0.38	152.15	-95.21	125.71	116.21	9.49	13.241		
2,280.00	2,275.98	2,265.60	2,261.23	5.26	4.96	0.33	155.66	-97.63	128.53	118.88	9.65	13.318		
2,310.00	2,305.88	2,295.81	2,291.15	5.34	5.06	0.27	159.09	-100.10	131.28	121.47	9.81	13.385		
2,340.00	2,335.79	2,325.75	2,320.80	5.42	5.15	0.20	162.44	-102.58	133.97	124.01	9.96	13.448		
2,370.00	2,365.69	2,355.63	2,350.38	5.50	5.24	0.13	165.78	-105.06	136.66	126.55	10.12	13.510		
2,400.00	2,395.59	2,385.50	2,379.96	5.57	5.34	0.07	169.12	-107.53	139.36	129.09	10.27	13.570		
2,430.00	2,425.49	2,415.69	2,409.86	5.65	5.43	0.01	172.47	-110.02	142.03	131.61	10.42	13.626		
2,460.00	2,455.39	2,446.02	2,439.91	5.73	5.52	-0.05	175.75	-112.51	144.62	134.04	10.58	13.672		
2,490.00	2,485.29	2,476.37	2,469.99	5.81	5.61	-0.11	178.94	-114.98	147.11	136.38	10.73	13.708		
2,520.00	2,515.20	2,506.02	2,499.38	5.89	5.71	-0.13	182.02	-117.39	149.56	138.67	10.89	13.738		
2,550.00	2,545.10	2,535.33	2,528.42	5.97	5.80	-0.17	185.15	-119.83	152.11	141.07	11.04	13.777		
2,580.00	2,575.00	2,564.62	2,557.42	6.05	5.89	-0.23	188.40	-122.34	154.78	143.59	11.19	13.826		
2,610.00	2,604.90	2,594.14	2,586.64	6.13	5.99	-0.32	191.78	-124.93	157.55	146.20	11.35	13.880		
2,640.00	2,634.80	2,623.87	2,616.05	6.21	6.09	-0.43	195.21	-127.57	160.36	148.85	11.51	13.932		
2,670.00	2,664.70	2,653.60	2,645.46	6.29	6.19	-0.53	198.66	-130.23	163.19	151.52	11.67	13.986		
2,700.00	2,694.61	2,683.43	2,674.96	6.37	6.28	-0.65	202.15	-132.91	166.04	154.22	11.83	14.041		
2,730.00	2,724.51	2,713.41	2,704.61	6.45	6.38	-0.76	205.64	-135.61	168.89	156.90	11.98	14.095		
2,760.00	2,754.41	2,743.38	2,734.26	6.53	6.48	-0.87	209.11	-138.31	171.71	159.57	12.14	14.146		
2,790.00	2,784.31	2,773.62	2,764.18	6.61	6.58	-0.98	212.59	-141.03	174.51	162.21	12.29	14.194		
2,820.00	2,814.21	2,804.29	2,794.54	6.69	6.67	-1.08	216.00	-143.71	177.19	164.74	12.45	14.233		
2,850.00	2,844.11	2,834.99	2,824.95	6.77	6.77	-1.15	219.28	-146.30	179.74	167.13	12.61	14.259		
2,880.00	2,874.02	2,865.35	2,855.05	6.85	6.86	-1.18	222.40	-148.78	182.16	169.40	12.76	14.276		
2,910.00	2,903.92	2,895.18	2,884.63	6.93	6.95	-1.17	225.46	-151.15	184.57	171.66	12.91	14.293		
2,940.00	2,933.82	2,925.02	2,914.22	7.01	7.04	-1.14	228.52	-153.44	187.00	173.93	13.07	14.310		
2,970.00	2,963.72	2,954.66	2,943.62	7.09	7.13	-1.09	231.59	-155.65	189.43	176.21	13.22	14.327		
3,000.00	2,993.62	2,983.88	2,972.59	7.17	7.22	-1.03	234.69	-157.83	191.96	178.58	13.38	14.349		
3,030.00	3,023.52	3,013.09	3,001.54	7.25	7.31	-0.98	237.89	-160.04	194.58	181.05	13.53	14.378		
3,060.00	3,053.43	3,042.58	3,030.76	7.33	7.40	-0.94	241.23	-162.29	197.31	183.62	13.69	14.414		
3,090.00	3,083.33	3,073.18	3,061.08	7.41	7.50	-0.92	244.64	-164.59	199.99	186.14	13.85	14.443		
3,120.00	3,113.23	3,103.80	3,091.43	7.49	7.59	-0.88	247.94	-166.84	202.57	188.56	14.01	14.463		
3,150.00	3,143.13	3,134.25	3,121.64	7.57	7.68	-0.83	251.13	-169.01	205.04	190.87	14.16	14.476		
3,180.00	3,173.03	3,164.01	3,151.17	7.65	7.77	-0.75	254.22	-171.10	207.49	193.17	14.32	14.490		
3,210.00	3,202.93	3,193.77	3,180.69	7.73	7.86	-0.66	257.33	-173.15	209.96	195.48	14.47	14.505		
3,240.00	3,232.84	3,223.45	3,210.14	7.81	7.95	-0.57	260.46	-175.18	212.45	197.82	14.63	14.520		
3,270.00	3,262.74	3,252.67	3,239.12	7.89	8.04	-0.49	263.60	-177.24	215.01	200.22	14.79	14.539		
3,300.00	3,292.64	3,281.88	3,268.06	7.97	8.13	-0.45	266.82	-179.43	217.66	202.71	14.94	14.564		
3,330.00	3,322.54	3,311.00	3,296.90	8.05	8.23	-0.43	270.13	-181.73	220.40	205.30	15.10	14.596		
3,360.00	3,352.44	3,340.30	3,325.90	8.13	8.32	-0.45	273.54	-184.14	223.24	207.98	15.26	14.630		
3,390.00	3,382.34	3,369.51	3,354.80	8.21	8.42	-0.47	277.02	-186.60	226.16	210.74	15.42	14.670		
3,420.00	3,412.25	3,398.70	3,383.67	8.29	8.52	-0.51	280.59	-189.10	229.16	213.59	15.57	14.714		
3,450.00	3,442.15	3,428.41	3,413.04	8.37	8.62	-0.56	284.27	-191.68	232.23	216.49	15.73	14.760		
3,480.00	3,472.05	3,458.21	3,442.49	8.45	8.72	-0.63	287.97	-194.30	235.30	219.40	15.89	14.805		
3,510.00	3,501.95	3,488.01	3,471.94	8.53	8.82	-0.69	291.67	-196.93	238.37	222.32	16.05	14.849		
3,540.00	3,531.85	3,517.62	3,501.19	8.61	8.93	-0.76	295.36	-199.58	241.46	225.25	16.21	14.894		
3,570.00	3,561.75	3,547.13	3,530.34	8.69	9.03	-0.83	299.08	-202.28	244.59	228.21	16.37	14.940		
3,600.00	3,591.66	3,576.62	3,559.47	8.77	9.13	-0.92	302.83	-205.03	247.75	231.22	16.53	14.988		
3,630.00	3,621.56	3,606.46	3,588.93	8.85	9.24	-1.02	306.65	-207.86	250.95	234.26	16.69	15.037		
3,660.00	3,651.46	3,636.69	3,618.78	8.93	9.34	-1.13	310.49	-210.74	254.12	237.27	16.85	15.083		
3,690.00	3,681.36	3,666.93	3,648.64	9.01	9.44	-1.24	314.28	-213.63	257.24	240.23	17.01	15.125		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,720.00	3,711.26	3,697.06	3,678.40	9.09	9.55	-1.35	318.02	-216.52	260.31	243.15	17.16	15.165		
3,750.00	3,741.16	3,726.99	3,707.96	9.17	9.65	-1.45	321.71	-219.37	263.37	246.05	17.32	15.206		
3,780.00	3,771.07	3,756.93	3,737.53	9.25	9.75	-1.54	325.39	-222.22	266.42	248.94	17.48	15.245		
3,810.00	3,800.97	3,786.83	3,767.07	9.33	9.85	-1.63	329.06	-225.04	269.45	251.82	17.63	15.283		
3,840.00	3,830.87	3,816.58	3,796.47	9.41	9.95	-1.70	332.71	-227.80	272.50	254.71	17.79	15.321		
3,870.00	3,860.77	3,846.34	3,825.88	9.50	10.04	-1.76	336.38	-230.49	275.55	257.61	17.94	15.358		
3,900.00	3,890.67	3,876.10	3,855.29	9.58	10.14	-1.80	340.06	-233.11	278.61	260.51	18.10	15.395		
3,930.00	3,920.57	3,906.55	3,885.40	9.66	10.24	-1.84	343.81	-235.72	281.64	263.39	18.26	15.428		
3,960.00	3,950.48	3,937.01	3,915.53	9.74	10.34	-1.86	347.49	-238.27	284.61	266.20	18.41	15.457		
3,990.00	3,980.38	3,967.49	3,945.69	9.82	10.44	-1.87	351.10	-240.77	287.52	268.95	18.57	15.482		
4,020.00	4,010.28	3,998.61	3,976.50	9.90	10.54	-1.89	354.70	-243.28	290.33	271.60	18.73	15.500		
4,050.00	4,040.18	4,029.82	4,007.42	9.98	10.64	-1.90	358.17	-245.77	293.00	274.11	18.89	15.510		
4,080.00	4,070.08	4,061.06	4,038.38	10.06	10.73	-1.91	361.51	-248.25	295.54	276.49	19.05	15.514		
4,110.00	4,099.98	4,090.44	4,067.50	10.14	10.82	-1.89	364.59	-250.52	298.03	278.83	19.21	15.518		
4,140.00	4,129.89	4,119.61	4,096.43	10.22	10.91	-1.83	367.73	-252.67	300.59	281.23	19.36	15.526		
4,170.00	4,159.79	4,148.77	4,125.34	10.30	11.00	-1.76	370.94	-254.71	303.22	283.70	19.52	15.536		
4,200.00	4,189.69	4,178.29	4,154.61	10.38	11.10	-1.68	374.25	-256.68	305.91	286.23	19.68	15.548		
4,230.00	4,219.59	4,208.02	4,184.08	10.46	11.19	-1.60	377.60	-258.67	308.62	288.78	19.83	15.560		
4,260.00	4,249.49	4,237.74	4,213.55	10.54	11.28	-1.52	380.97	-260.67	311.34	291.35	19.99	15.572		
4,290.00	4,279.39	4,267.97	4,243.51	10.62	11.37	-1.46	384.39	-262.72	314.07	293.92	20.15	15.584		
4,320.00	4,309.30	4,298.83	4,274.10	10.71	11.47	-1.41	387.81	-264.85	316.72	296.41	20.31	15.591		
4,350.00	4,339.20	4,329.70	4,304.72	10.79	11.57	-1.37	391.13	-267.04	319.28	298.81	20.48	15.593		
4,380.00	4,369.10	4,360.91	4,335.67	10.87	11.66	-1.35	394.39	-269.30	321.74	301.11	20.64	15.591		
4,410.00	4,399.00	4,392.67	4,367.19	10.95	11.76	-1.33	397.53	-271.61	324.05	303.25	20.80	15.580		
4,440.00	4,428.90	4,424.46	4,398.76	11.03	11.85	-1.32	400.50	-273.91	326.18	305.22	20.96	15.562		
4,470.00	4,458.80	4,454.27	4,428.37	11.11	11.94	-1.28	403.16	-276.06	328.19	307.07	21.12	15.541		
4,500.00	4,488.71	4,481.25	4,455.16	11.19	12.02	-1.19	405.73	-277.97	330.38	309.11	21.27	15.535		
4,530.00	4,518.61	4,508.20	4,481.90	11.27	12.10	-1.10	408.54	-279.82	332.84	311.42	21.42	15.540		
4,560.00	4,548.51	4,538.00	4,511.44	11.35	12.19	-1.03	411.93	-281.82	335.58	314.00	21.58	15.553		
4,590.00	4,578.41	4,564.82	4,538.01	11.43	12.28	-0.93	415.10	-283.60	338.44	316.72	21.73	15.576		
4,620.00	4,608.31	4,594.88	4,567.79	11.51	12.37	-0.87	418.64	-285.63	341.31	319.42	21.89	15.593		
4,650.00	4,638.21	4,624.94	4,597.58	11.59	12.47	-0.82	422.16	-287.69	344.16	322.11	22.05	15.609		
4,680.00	4,668.12	4,656.18	4,628.53	11.68	12.56	-0.78	425.76	-289.81	346.95	324.74	22.21	15.621		
4,710.00	4,698.02	4,687.79	4,659.89	11.76	12.66	-0.72	429.26	-291.83	349.59	327.22	22.37	15.626		
4,740.00	4,727.92	4,719.43	4,691.30	11.84	12.75	-0.64	432.60	-293.72	352.09	329.55	22.54	15.623		
4,770.00	4,757.82	4,753.61	4,725.25	11.92	12.85	-0.56	435.95	-295.55	354.36	331.66	22.70	15.609		
4,800.00	4,787.72	4,788.61	4,760.10	12.00	12.94	-0.42	438.90	-297.08	356.21	333.34	22.87	15.574		
4,830.00	4,817.62	4,823.70	4,795.08	12.08	13.03	-0.23	441.36	-298.24	357.64	334.59	23.05	15.518		
4,860.00	4,847.53	4,860.07	4,831.39	12.16	13.10	0.01	443.32	-299.05	358.59	335.37	23.22	15.446		
4,890.00	4,877.43	4,896.42	4,867.71	12.24	13.17	0.32	444.63	-299.47	359.01	335.62	23.39	15.349		
4,920.00	4,907.33	4,930.18	4,901.47	12.32	13.23	0.68	445.31	-299.53	358.95	335.40	23.56	15.238		
4,950.00	4,937.23	4,960.96	4,932.24	12.40	13.28	1.07	445.77	-299.47	358.78	335.06	23.71	15.129		
4,980.00	4,967.13	4,991.72	4,963.00	12.49	13.33	1.46	446.16	-299.33	358.55	334.67	23.87	15.019		
5,010.00	4,997.03	5,022.36	4,993.63	12.57	13.38	1.87	446.47	-299.12	358.26	334.23	24.03	14.909		
5,040.00	5,026.94	5,052.84	5,024.11	12.65	13.42	2.28	446.73	-298.89	357.94	333.76	24.19	14.799		
5,070.00	5,056.84	5,083.31	5,054.59	12.73	13.47	2.70	446.94	-298.63	357.59	333.25	24.34	14.689		
5,100.00	5,086.74	5,113.87	5,085.14	12.81	13.52	3.12	447.09	-298.35	357.21	332.72	24.50	14.582		
5,130.00	5,116.66	5,144.63	5,115.90	12.86	13.56	3.50	447.17	-298.09	356.84	332.22	24.63	14.491		
5,160.00	5,146.60	5,175.41	5,146.68	12.92	13.61	3.83	447.19	-297.85	356.48	331.73	24.75	14.402		
5,190.00	5,176.56	5,206.14	5,177.41	12.98	13.65	4.11	447.13	-297.64	356.12	331.25	24.87	14.317		
5,220.00	5,206.54	5,236.66	5,207.93	13.03	13.69	4.34	447.02	-297.39	355.78	330.79	24.99	14.238		
5,250.00	5,236.53	5,267.19	5,238.46	13.08	13.74	4.54	446.85	-297.06	355.46	330.36	25.10	14.163		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,280.00	5,266.52	5,297.71	5,268.97	13.13	13.78	4.70	446.63	-296.67	355.15	329.95	25.21	14.090		
5,310.00	5,296.52	5,328.16	5,299.42	13.18	13.82	4.82	446.36	-296.25	354.87	329.56	25.31	14.021		
5,340.00	5,326.52	5,358.61	5,329.86	13.23	13.86	4.89	446.06	-295.81	354.60	330.09	24.51	14.467		
5,370.00	5,356.52	5,389.03	5,360.27	13.28	13.90	4.97	445.71	-295.36	354.30	329.69	24.61	14.394		
5,400.00	5,386.52	5,418.46	5,389.70	13.34	13.95	5.04	445.39	-294.98	354.01	329.29	24.72	14.322		
5,430.00	5,416.52	5,447.89	5,419.14	13.39	13.99	5.09	445.12	-294.70	353.76	328.94	24.82	14.251		
5,460.00	5,446.52	5,477.33	5,448.57	13.45	14.03	5.12	444.91	-294.52	353.56	328.63	24.93	14.181		
5,490.00	5,476.52	5,507.78	5,479.02	13.51	14.07	5.14	444.71	-294.40	353.38	328.34	25.04	14.111		
5,520.00	5,506.52	5,538.41	5,509.65	13.56	14.12	5.16	444.45	-294.29	353.14	327.99	25.15	14.040		
5,550.00	5,536.52	5,569.05	5,540.28	13.62	14.17	5.19	444.14	-294.17	352.85	327.58	25.26	13.967		
5,580.00	5,566.52	5,598.62	5,569.85	13.68	14.20	5.24	443.81	-293.90	352.53	327.16	25.37	13.895		
5,610.00	5,596.52	5,627.81	5,599.03	13.73	14.24	5.37	443.49	-293.12	352.28	326.81	25.47	13.829		
5,640.00	5,626.52	5,656.96	5,628.15	13.79	14.28	5.59	443.19	-291.80	352.11	326.53	25.57	13.769		
5,664.44	5,650.96	5,679.82	5,650.96	13.84	14.31	5.83	442.97	-290.33	352.03	326.38	25.65	13.725		
5,670.00	5,656.52	5,684.67	5,655.79	13.85	14.31	5.90	442.93	-289.90	352.04	326.37	25.66	13.717		
5,700.00	5,686.52	5,710.61	5,681.50	13.91	14.33	6.45	442.77	-286.51	352.28	326.53	25.74	13.684		
5,730.00	5,716.52	5,735.62	5,706.02	13.96	14.34	7.24	442.71	-281.58	352.92	327.11	25.81	13.673		
5,760.00	5,746.52	5,759.68	5,729.23	14.02	14.35	8.26	442.76	-275.25	354.09	328.22	25.87	13.687		
5,790.00	5,776.52	5,784.72	5,752.93	14.08	14.35	9.54	442.90	-267.21	355.83	329.91	25.92	13.728		
5,820.00	5,806.52	5,809.67	5,776.21	14.14	14.35	10.96	443.06	-258.22	358.09	332.12	25.97	13.789		
5,850.00	5,836.50	5,834.44	5,798.91	14.18	14.34	12.38	443.21	-248.33	360.73	333.48	27.25	13.237		
5,880.00	5,866.38	5,861.00	5,822.74	14.22	14.33	13.78	443.32	-236.60	363.49	336.16	27.33	13.300		
5,910.00	5,896.02	5,882.18	5,841.37	14.24	14.31	14.63	443.44	-226.52	366.34	338.96	27.37	13.384		
5,940.00	5,925.32	5,908.00	5,863.68	14.25	14.30	15.62	443.75	-213.53	369.29	341.91	27.38	13.487		
5,970.00	5,954.16	5,929.92	5,882.29	14.26	14.29	16.12	444.11	-201.95	372.18	344.82	27.36	13.603		
6,000.00	5,982.43	5,956.00	5,904.04	14.26	14.27	16.76	444.57	-187.58	374.91	347.61	27.30	13.731		
6,030.00	6,010.00	5,977.99	5,922.07	14.25	14.26	16.87	445.08	-174.99	377.46	350.24	27.22	13.865		
6,060.00	6,036.79	6,003.00	5,942.21	14.24	14.25	17.04	445.88	-160.19	379.89	352.77	27.12	14.008		
6,090.00	6,062.67	6,024.57	5,959.28	14.23	14.25	16.72	446.76	-147.05	382.11	355.10	27.01	14.149		
6,120.00	6,087.55	6,051.00	5,979.85	14.22	14.24	16.64	448.09	-130.50	384.11	357.22	26.89	14.287		
6,150.00	6,111.33	6,074.46	5,997.74	14.22	14.24	16.14	449.36	-115.37	385.73	358.95	26.78	14.405		
6,180.00	6,133.91	6,098.00	6,015.29	14.23	14.24	15.49	450.56	-99.73	386.86	360.18	26.68	14.498		
6,210.00	6,155.21	6,126.50	6,035.95	14.26	14.24	15.22	451.96	-80.16	387.50	360.86	26.64	14.546		
6,240.00	6,175.14	6,152.93	6,054.49	14.30	14.24	14.65	453.22	-61.36	387.73	361.09	26.64	14.557		
6,270.00	6,193.63	6,182.00	6,074.51	14.37	14.24	14.23	454.53	-40.32	387.34	360.63	26.71	14.500		
6,300.00	6,210.59	6,209.34	6,093.04	14.47	14.24	13.51	455.68	-20.25	386.34	359.47	26.87	14.378		
6,330.00	6,225.97	6,235.75	6,110.50	14.60	14.25	12.59	456.78	-0.47	384.90	357.79	27.11	14.196		
6,360.00	6,239.70	6,263.95	6,128.60	14.77	14.27	11.80	457.85	21.13	383.01	355.54	27.47	13.943		
6,390.00	6,251.73	6,287.00	6,142.93	14.97	14.30	10.34	458.54	39.16	380.66	352.79	27.87	13.657		
6,420.00	6,262.01	6,314.92	6,159.35	15.21	14.36	9.48	459.22	61.73	378.06	349.62	28.44	13.295		
6,450.00	6,270.50	6,339.79	6,172.78	15.49	14.49	8.26	459.75	82.65	375.45	346.43	29.03	12.935		
6,480.00	6,277.17	6,371.30	6,188.28	15.81	14.76	7.99	459.89	110.08	372.48	342.67	29.81	12.494		
6,510.00	6,281.99	6,399.04	6,200.59	16.17	15.07	7.26	459.44	134.93	369.06	338.44	30.62	12.052		
6,540.00	6,284.94	6,424.84	6,210.99	16.55	15.40	6.30	458.91	158.54	365.58	334.12	31.46	11.622		
6,570.00	6,286.01	6,447.75	6,219.24	16.96	15.73	4.94	458.42	179.91	362.21	329.91	32.30	11.214		
6,600.00	6,285.79	6,470.48	6,226.10	17.40	16.07	3.62	458.04	201.57	359.30	326.17	33.13	10.844		
6,630.00	6,285.53	6,497.30	6,232.58	17.90	16.50	2.98	457.62	227.58	356.92	322.81	34.11	10.465		
6,660.00	6,285.27	6,526.24	6,237.91	18.39	16.98	2.74	456.97	256.02	354.72	319.61	35.12	10.102		
6,690.00	6,285.00	6,557.00	6,242.03	18.89	17.53	2.83	455.95	286.48	352.49	316.31	36.18	9.742		
6,720.00	6,284.74	6,584.74	6,244.90	19.44	18.06	2.45	454.95	314.05	350.34	313.07	37.27	9.400		
6,750.00	6,284.48	6,611.15	6,247.12	20.01	18.56	1.85	454.21	340.35	348.51	310.15	38.35	9.087		
6,780.00	6,284.22	6,640.00	6,248.97	20.58	19.11	1.65	453.64	369.14	346.99	307.51	39.48	8.789		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,810.00	6,283.96	6,666.48	6,250.29	21.17	19.66	1.07	453.24	395.59	345.66	305.05	40.62	8.510		
6,840.00	6,283.69	6,695.56	6,251.47	21.79	20.25	0.92	452.85	424.63	344.43	302.59	41.84	8.231		
6,870.00	6,283.43	6,724.83	6,252.38	22.42	20.88	0.80	452.50	453.89	343.27	300.17	43.10	7.965		
6,900.00	6,283.17	6,754.18	6,253.06	23.05	21.52	0.69	452.18	483.23	342.17	297.81	44.37	7.712		
6,930.00	6,282.91	6,783.55	6,253.50	23.71	22.16	0.58	451.90	512.59	341.13	295.45	45.68	7.469		
6,960.00	6,282.65	6,812.51	6,253.71	24.38	22.80	0.41	451.65	541.56	340.15	293.16	46.99	7.239		
6,990.00	6,282.38	6,841.09	6,253.76	25.05	23.46	0.17	451.51	570.14	339.28	290.97	48.31	7.023		
7,020.00	6,282.12	6,869.68	6,253.65	25.74	24.11	-0.06	451.47	598.72	338.54	288.89	49.65	6.818		
7,050.00	6,281.86	6,898.45	6,253.39	26.44	24.77	-0.27	451.54	627.49	337.92	286.91	51.01	6.624		
7,080.00	6,281.60	6,927.88	6,252.93	27.14	25.47	-0.37	451.67	656.92	337.38	284.97	52.41	6.437		
7,110.00	6,281.34	6,957.31	6,252.27	27.84	26.17	-0.47	451.83	686.34	336.88	283.07	53.81	6.261		
7,140.00	6,281.08	6,987.00	6,251.39	28.57	26.88	-0.52	452.02	716.02	336.44	281.21	55.23	6.091		
7,170.00	6,280.81	7,014.87	6,250.57	29.29	27.56	-0.89	452.30	743.87	336.10	279.48	56.63	5.935		
7,200.00	6,280.55	7,043.01	6,249.94	30.01	28.25	-1.21	452.75	772.00	335.94	277.90	58.03	5.789		
7,215.41	6,280.42	7,057.46	6,249.69	30.40	28.60	-1.37	453.06	786.45	335.91	277.15	58.76	5.716		
7,230.00	6,280.29	7,071.16	6,249.51	30.76	28.94	-1.52	453.39	800.14	335.93	276.48	59.46	5.650		
7,260.00	6,280.03	7,101.96	6,249.16	31.50	29.71	-1.39	454.18	830.93	336.02	275.06	60.96	5.512		
7,290.00	6,279.77	7,134.41	6,248.49	32.24	30.52	-0.97	454.79	863.37	335.92	273.41	62.51	5.374		
7,320.00	6,279.50	7,166.85	6,247.47	32.99	31.33	-0.55	455.12	895.79	335.61	271.54	64.06	5.239		
7,350.00	6,279.24	7,196.55	6,246.31	33.75	32.08	-0.61	455.27	925.47	335.15	269.60	65.56	5.113		
7,380.00	6,278.98	7,225.02	6,245.24	34.51	32.81	-0.87	455.53	953.92	334.82	267.80	67.02	4.996		
7,410.00	6,278.72	7,253.50	6,244.23	35.27	33.54	-1.14	455.92	982.37	334.63	266.14	68.49	4.886		
7,434.28	6,278.51	7,276.40	6,243.46	35.89	34.12	-1.38	456.34	1,005.26	334.58	264.89	69.69	4.801		
7,440.00	6,278.46	7,281.69	6,243.30	36.04	34.26	-1.45	456.45	1,010.54	334.58	264.61	69.97	4.782		
7,470.00	6,278.20	7,309.43	6,242.59	36.81	34.97	-1.84	457.18	1,038.26	334.72	263.28	71.44	4.685		
7,500.00	6,277.93	7,337.16	6,242.13	37.58	35.69	-2.23	458.11	1,065.98	335.06	262.15	72.91	4.595		
7,530.00	6,277.67	7,365.00	6,241.91	38.36	36.40	-2.60	459.27	1,093.79	335.61	261.21	74.40	4.511		
7,560.00	6,277.41	7,398.52	6,241.65	39.14	37.28	-2.00	460.59	1,127.29	336.10	260.05	76.05	4.419		
7,590.00	6,277.15	7,432.18	6,241.09	39.91	38.16	-1.37	461.52	1,160.92	336.26	258.56	77.70	4.328		
7,620.00	6,276.89	7,464.95	6,240.27	40.70	39.02	-0.90	462.05	1,193.68	336.10	256.78	79.32	4.237		
7,650.00	6,276.62	7,494.28	6,239.49	41.49	39.79	-1.01	462.45	1,223.00	335.88	255.02	80.86	4.154		
7,680.00	6,276.36	7,523.62	6,238.75	42.27	40.56	-1.13	462.92	1,252.32	335.72	253.31	82.41	4.074		
7,710.00	6,276.10	7,552.96	6,238.06	43.06	41.34	-1.24	463.45	1,281.65	335.62	251.67	83.95	3.998		
7,740.00	6,275.84	7,584.93	6,237.37	43.85	42.19	-0.91	463.97	1,313.61	335.46	249.89	85.58	3.920		
7,770.00	6,275.58	7,617.00	6,236.75	44.65	43.04	-0.55	464.31	1,345.67	335.12	247.92	87.21	3.843		
7,800.00	6,275.31	7,649.06	6,236.21	45.44	43.89	-0.19	464.45	1,377.73	334.60	245.76	88.83	3.767		
7,830.00	6,275.05	7,680.97	6,235.68	46.24	44.74	0.13	464.41	1,409.63	333.90	243.42	90.47	3.691		
7,860.00	6,274.79	7,712.87	6,235.09	47.04	45.60	0.46	464.17	1,441.52	333.02	240.92	92.11	3.616		
7,890.00	6,274.53	7,744.96	6,234.44	47.84	46.46	0.83	463.74	1,473.61	331.97	238.23	93.74	3.541		
7,920.00	6,274.27	7,778.64	6,233.76	48.64	47.36	1.47	462.98	1,507.27	330.66	235.23	95.43	3.465		
7,950.00	6,274.01	7,812.28	6,233.12	49.44	48.26	2.12	461.84	1,540.89	329.00	231.89	97.11	3.388		
7,980.00	6,273.74	7,845.37	6,232.54	50.25	49.15	2.67	460.37	1,573.93	327.02	228.25	98.78	3.311		
8,010.00	6,273.48	7,877.19	6,231.98	51.05	50.01	3.01	458.72	1,605.71	324.83	224.42	100.41	3.235		
8,040.00	6,273.22	7,908.99	6,231.43	51.86	50.87	3.35	456.89	1,637.45	322.46	220.41	102.05	3.160		
8,070.00	6,272.96	7,941.19	6,230.87	52.67	51.74	3.76	454.83	1,669.58	319.91	216.22	103.69	3.085		
8,100.00	6,272.70	7,974.19	6,230.34	53.47	52.63	4.33	452.43	1,702.49	317.10	211.74	105.36	3.010		
8,130.00	6,272.43	8,007.12	6,229.88	54.28	53.51	4.90	449.72	1,735.31	313.99	206.96	107.03	2.934		
8,160.00	6,272.17	8,039.41	6,229.47	55.09	54.39	5.35	446.77	1,767.46	310.60	201.92	108.68	2.858		
8,190.00	6,271.91	8,070.96	6,229.07	55.90	55.24	5.68	443.68	1,798.85	307.02	196.72	110.30	2.783		
8,220.00	6,271.65	8,102.46	6,228.65	56.72	56.09	6.01	440.41	1,830.18	303.28	191.35	111.92	2.710		
8,250.00	6,271.39	8,131.47	6,228.26	57.53	56.87	5.87	437.29	1,859.02	299.42	185.94	113.48	2.639		
8,280.00	6,271.12	8,157.83	6,227.97	58.34	57.59	5.20	434.70	1,885.25	295.84	180.87	114.97	2.573		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,310.00	6,270.86	8,184.27	6,227.78	59.16	58.31	4.53	432.43	1,911.59	292.60	176.13	116.48	2.512		
8,340.00	6,270.60	8,214.00	6,227.67	59.97	59.11	4.51	430.26	1,941.24	289.73	171.66	118.07	2.454		
8,370.00	6,270.34	8,237.06	6,227.72	60.79	59.74	3.14	428.87	1,964.26	287.17	167.67	119.50	2.403		
8,400.00	6,270.08	8,263.36	6,227.97	61.61	60.46	2.41	427.63	1,990.53	285.01	163.98	121.03	2.355		
8,430.00	6,269.82	8,289.71	6,228.44	62.42	61.18	1.67	426.77	2,016.86	283.23	160.65	122.58	2.311		
8,460.00	6,269.55	8,316.62	6,229.13	63.24	61.92	1.05	426.25	2,043.75	281.82	157.66	124.16	2.270		
8,490.00	6,269.29	8,345.02	6,229.95	64.06	62.69	0.72	425.93	2,072.14	280.64	154.85	125.79	2.231		
8,520.00	6,269.03	8,373.44	6,230.79	64.88	63.47	0.39	425.77	2,100.54	279.63	152.20	127.43	2.194		
8,550.00	6,268.77	8,404.00	6,231.74	65.70	64.31	0.51	425.78	2,131.09	278.80	149.67	129.13	2.159		
8,580.00	6,268.51	8,431.16	6,232.49	66.52	65.05	-0.08	425.89	2,158.24	278.07	147.35	130.73	2.127		
8,610.00	6,268.24	8,460.55	6,233.07	67.34	65.86	-0.21	426.04	2,187.63	277.43	145.05	132.38	2.096		
8,640.00	6,267.98	8,489.95	6,233.41	68.16	66.67	-0.33	426.22	2,217.03	276.85	142.82	134.03	2.066		
8,670.00	6,267.72	8,519.11	6,233.46	68.98	67.47	-0.50	426.44	2,246.18	276.34	140.69	135.65	2.037		
8,700.00	6,267.46	8,548.17	6,233.10	69.81	68.27	-0.70	426.70	2,275.24	275.93	138.68	137.25	2.010		
8,730.00	6,267.20	8,577.23	6,232.32	70.63	69.06	-0.90	427.00	2,304.29	275.63	136.80	138.83	1.985		
8,760.00	6,266.94	8,606.52	6,231.16	71.45	69.87	-1.05	427.36	2,333.55	275.42	135.02	140.39	1.962		
8,790.00	6,266.67	8,636.12	6,229.96	72.28	70.68	-1.14	427.77	2,363.12	275.27	133.30	141.96	1.939		
8,820.00	6,266.41	8,665.71	6,228.82	73.10	71.50	-1.23	428.22	2,392.69	275.16	131.63	143.53	1.917		
8,846.95	6,266.18	8,691.91	6,227.85	73.84	72.22	-1.39	428.67	2,418.87	275.11	130.17	144.93	1.898		
8,850.00	6,266.15	8,694.69	6,227.76	73.92	72.29	-1.45	428.73	2,421.65	275.11	130.02	145.09	1.896		
8,880.00	6,265.89	8,722.09	6,227.00	74.75	73.04	-2.00	429.44	2,449.03	275.28	128.66	146.62	1.878		
8,910.00	6,265.63	8,749.49	6,226.57	75.57	73.80	-2.54	430.47	2,476.40	275.74	127.56	148.17	1.861		
8,940.00	6,265.36	8,776.88	6,226.46	76.40	74.55	-3.09	431.80	2,503.76	276.47	126.72	149.75	1.846		
8,970.00	6,265.10	8,806.47	6,226.52	77.22	75.36	-3.17	433.44	2,533.31	277.39	125.99	151.41	1.832		
9,000.00	6,264.84	8,836.46	6,226.46	78.05	76.19	-3.17	435.09	2,563.25	278.31	125.25	153.06	1.818		
9,030.00	6,264.58	8,866.45	6,226.29	78.88	77.01	-3.17	436.73	2,593.19	279.23	124.52	154.71	1.805		
9,060.00	6,264.32	8,895.85	6,226.00	79.70	77.82	-3.29	438.33	2,622.55	280.18	123.84	156.34	1.792		
9,090.00	6,264.05	8,925.01	6,225.53	80.53	78.62	-3.46	439.99	2,651.66	281.21	123.26	157.95	1.780		
9,120.00	6,263.79	8,954.16	6,224.90	81.36	79.42	-3.63	441.70	2,680.75	282.32	122.77	159.55	1.770		
9,150.00	6,263.53	8,983.27	6,224.10	82.19	80.22	-3.81	443.48	2,709.79	283.53	122.39	161.13	1.760		
9,180.00	6,263.27	9,012.31	6,223.17	83.01	81.02	-4.00	445.32	2,738.76	284.83	122.12	162.71	1.751		
9,210.00	6,263.01	9,041.35	6,222.12	83.84	81.82	-4.19	447.24	2,767.72	286.23	121.95	164.27	1.742		
9,240.00	6,262.75	9,070.98	6,220.92	84.67	82.63	-4.26	449.28	2,797.26	287.72	121.87	165.85	1.735		
9,270.00	6,262.48	9,103.34	6,219.56	85.50	83.52	-3.79	451.35	2,829.52	289.08	121.60	167.48	1.726		
9,300.00	6,262.22	9,135.71	6,218.20	86.33	84.41	-3.32	453.15	2,861.82	290.20	121.08	169.12	1.716		
9,330.00	6,261.96	9,167.35	6,216.88	87.16	85.28	-2.99	454.65	2,893.38	291.08	120.35	170.73	1.705		
9,360.00	6,261.70	9,197.04	6,215.65	87.99	86.10	-3.06	456.02	2,923.01	291.91	119.63	172.29	1.694		
9,390.00	6,261.44	9,226.72	6,214.44	88.82	86.92	-3.12	457.43	2,952.65	292.78	118.94	173.85	1.684		
9,420.00	6,261.17	9,256.49	6,213.23	89.65	87.74	-3.17	458.86	2,982.35	293.69	118.28	175.41	1.674		
9,450.00	6,260.91	9,287.77	6,211.97	90.48	88.61	-2.92	460.31	3,013.57	294.53	117.52	177.01	1.664		
9,480.00	6,260.65	9,319.06	6,210.68	91.31	89.47	-2.67	461.62	3,044.81	295.25	116.65	178.60	1.653		
9,510.00	6,260.39	9,350.34	6,209.38	92.14	90.33	-2.42	462.78	3,076.04	295.83	115.65	180.18	1.642		
9,540.00	6,260.13	9,380.84	6,208.21	92.97	91.18	-2.32	463.83	3,106.50	296.32	114.57	181.76	1.630		
9,570.00	6,259.87	9,411.35	6,207.25	93.80	92.02	-2.23	464.87	3,136.98	296.77	113.42	183.35	1.619		
9,600.00	6,259.60	9,441.87	6,206.49	94.63	92.87	-2.13	465.89	3,167.47	297.16	112.20	184.96	1.607		
9,630.00	6,259.34	9,471.77	6,205.91	95.46	93.70	-2.15	466.90	3,197.35	297.53	110.97	186.56	1.595		
9,660.00	6,259.08	9,501.62	6,205.42	96.29	94.52	-2.17	467.93	3,227.18	297.91	109.73	188.18	1.583		
9,690.00	6,258.82	9,531.47	6,205.03	97.12	95.35	-2.20	469.00	3,257.01	298.31	108.50	189.81	1.572		
9,720.00	6,258.56	9,560.90	6,204.74	97.96	96.16	-2.31	470.10	3,286.41	298.74	107.31	191.43	1.561		
9,750.00	6,258.29	9,590.18	6,204.49	98.79	96.97	-2.45	471.28	3,315.67	299.24	106.18	193.06	1.550		
9,780.00	6,258.03	9,619.47	6,204.29	99.62	97.78	-2.59	472.53	3,344.93	299.81	105.11	194.70	1.540		
9,810.00	6,257.77	9,649.03	6,204.12	100.45	98.60	-2.67	473.86	3,374.46	300.44	104.10	196.34	1.530		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,840.00	6,257.51	9,678.85	6,203.86	101.28	99.43	-2.71	475.21	3,404.24	301.10	103.11	197.99	1.521		
9,870.00	6,257.25	9,708.66	6,203.50	102.12	100.25	-2.74	476.56	3,434.03	301.78	102.15	199.63	1.512		
9,900.00	6,256.98	9,738.16	6,203.05	102.95	101.07	-2.84	477.91	3,463.50	302.48	101.23	201.24	1.503		
9,930.00	6,256.72	9,767.17	6,202.58	103.78	101.87	-3.02	479.31	3,492.47	303.26	100.41	202.85	1.495 Level 3		
9,960.00	6,256.46	9,796.18	6,202.10	104.62	102.68	-3.21	480.80	3,521.43	304.13	99.69	204.45	1.488 Level 3		
9,990.00	6,256.20	9,825.38	6,201.60	105.45	103.49	-3.36	482.39	3,550.58	305.11	99.05	206.06	1.481 Level 3		
10,020.00	6,255.94	9,856.22	6,200.99	106.28	104.34	-3.20	484.05	3,581.38	306.07	98.37	207.70	1.474 Level 3		
10,050.00	6,255.68	9,887.07	6,200.28	107.12	105.19	-3.04	485.59	3,612.18	306.95	97.62	209.33	1.466 Level 3		
10,080.00	6,255.41	9,917.98	6,199.46	107.95	106.05	-2.86	487.03	3,643.04	307.74	96.79	210.95	1.459 Level 3		
10,110.00	6,255.15	9,949.28	6,198.59	108.78	106.92	-2.62	488.37	3,674.30	308.42	95.85	212.57	1.451 Level 3		
10,140.00	6,254.89	9,980.58	6,197.75	109.62	107.79	-2.38	489.58	3,705.56	308.98	94.78	214.20	1.443 Level 3		
10,170.00	6,254.63	10,011.74	6,196.93	110.45	108.65	-2.16	490.65	3,736.69	309.41	93.60	215.81	1.434 Level 3		
10,200.00	6,254.37	10,042.39	6,196.25	111.28	109.51	-2.04	491.64	3,767.32	309.76	92.33	217.43	1.425 Level 3		
10,230.00	6,254.10	10,073.05	6,195.72	112.12	110.36	-1.91	492.59	3,797.96	310.04	90.98	219.06	1.415 Level 3		
10,260.00	6,253.84	10,103.47	6,195.36	112.95	111.20	-1.83	493.51	3,828.37	310.27	89.56	220.71	1.406 Level 3		
10,290.00	6,253.58	10,133.05	6,195.14	113.79	112.02	-1.91	494.43	3,857.93	310.50	88.15	222.35	1.396 Level 3		
10,320.00	6,253.32	10,162.62	6,195.06	114.62	112.85	-1.99	495.43	3,887.49	310.77	86.77	224.00	1.387 Level 3		
10,350.00	6,253.06	10,192.28	6,195.11	115.46	113.67	-2.06	496.49	3,917.12	311.09	85.41	225.68	1.378 Level 3		
10,380.00	6,252.79	10,222.61	6,195.10	116.29	114.51	-1.99	497.55	3,947.44	311.40	84.03	227.37	1.370 Level 3		
10,410.00	6,252.53	10,252.95	6,194.90	117.12	115.36	-1.93	498.55	3,977.76	311.68	82.64	229.04	1.361 Level 3		
10,440.00	6,252.27	10,283.28	6,194.50	117.96	116.20	-1.87	499.48	4,008.08	311.93	81.25	230.68	1.352 Level 3		
10,470.00	6,252.01	10,313.57	6,194.01	118.79	117.04	-1.81	500.36	4,038.34	312.14	79.84	232.30	1.344 Level 3		
10,500.00	6,251.75	10,343.85	6,193.48	119.63	117.89	-1.76	501.21	4,068.61	312.33	78.41	233.93	1.335 Level 3		
10,530.00	6,251.49	10,374.13	6,192.91	120.46	118.73	-1.71	502.01	4,098.87	312.49	76.95	235.54	1.327 Level 3		
10,560.00	6,251.22	10,404.20	6,192.31	121.30	119.57	-1.70	502.79	4,128.93	312.64	75.49	237.15	1.318 Level 3		
10,590.00	6,250.96	10,434.27	6,191.65	122.13	120.40	-1.68	503.55	4,158.98	312.78	74.04	238.74	1.310 Level 3		
10,620.00	6,250.70	10,464.34	6,190.94	122.97	121.24	-1.67	504.30	4,189.04	312.91	72.58	240.33	1.302 Level 3		
10,650.00	6,250.44	10,494.79	6,190.22	123.81	122.09	-1.59	505.02	4,219.47	313.02	71.09	241.93	1.294 Level 3		
10,680.00	6,250.18	10,525.25	6,189.56	124.64	122.94	-1.51	505.71	4,249.91	313.09	69.56	243.53	1.286 Level 3		
10,710.00	6,249.91	10,555.70	6,188.94	125.48	123.78	-1.42	506.37	4,280.35	313.11	67.97	245.13	1.277 Level 3		
10,711.30	6,249.90	10,557.00	6,188.92	125.51	123.82	-1.42	506.40	4,281.65	313.11	67.90	245.20	1.277 Level 3		
10,740.00	6,249.65	10,584.63	6,188.43	126.31	124.59	-1.62	507.04	4,309.26	313.16	66.45	246.71	1.269 Level 3		
10,770.00	6,249.39	10,613.48	6,188.02	127.15	125.39	-1.84	507.82	4,338.10	313.31	65.01	248.30	1.262 Level 3		
10,800.00	6,249.13	10,642.34	6,187.69	127.98	126.19	-2.05	508.74	4,366.94	313.58	63.67	249.91	1.255 Level 3		
10,830.00	6,248.87	10,672.67	6,187.38	128.82	127.04	-1.99	509.76	4,397.26	313.90	62.34	251.56	1.248 Level 2		
10,860.00	6,248.61	10,703.45	6,186.94	129.66	127.90	-1.84	510.70	4,428.02	314.16	60.95	253.21	1.241 Level 2		
10,890.00	6,248.34	10,734.23	6,186.34	130.49	128.75	-1.70	511.53	4,458.79	314.33	59.51	254.83	1.234 Level 2		
10,920.00	6,248.08	10,763.19	6,185.76	131.33	129.56	-1.89	512.30	4,487.73	314.50	58.11	256.39	1.227 Level 2		
10,950.00	6,247.82	10,791.54	6,185.40	132.16	130.35	-2.20	513.24	4,516.06	314.82	56.84	257.98	1.220 Level 2		
10,980.00	6,247.56	10,819.88	6,185.27	133.00	131.14	-2.51	514.38	4,544.37	315.30	55.69	259.61	1.215 Level 2		
11,010.00	6,247.30	10,849.80	6,185.32	133.84	131.97	-2.52	515.74	4,574.27	315.90	54.58	261.31	1.209 Level 2		
11,040.00	6,247.03	10,881.32	6,185.26	134.67	132.85	-2.24	517.03	4,605.76	316.39	53.34	263.04	1.203 Level 2		
11,070.00	6,246.77	10,912.84	6,185.03	135.51	133.73	-1.96	518.14	4,637.26	316.73	51.99	264.74	1.196 Level 2		
11,100.00	6,246.51	10,943.75	6,184.67	136.34	134.59	-1.79	519.07	4,668.15	316.95	50.55	266.40	1.190 Level 2		
11,130.00	6,246.25	10,974.21	6,184.26	137.18	135.44	-1.70	519.91	4,698.59	317.12	49.07	268.04	1.183 Level 2		
11,160.00	6,245.99	11,004.67	6,183.81	138.02	136.29	-1.62	520.71	4,729.04	317.24	47.56	269.68	1.176 Level 2		
11,190.00	6,245.72	11,034.68	6,183.35	138.85	137.12	-1.62	521.45	4,759.04	317.33	46.04	271.29	1.170 Level 2		
11,220.00	6,245.46	11,064.30	6,182.96	139.69	137.95	-1.69	522.23	4,788.65	317.45	44.54	272.91	1.163 Level 2		
11,250.00	6,245.20	11,093.91	6,182.63	140.53	138.78	-1.76	523.05	4,818.25	317.60	43.07	274.53	1.157 Level 2		
11,280.00	6,244.94	11,123.37	6,182.36	141.36	139.60	-1.86	523.93	4,847.69	317.80	41.63	276.17	1.151 Level 2		
11,310.00	6,244.68	11,152.61	6,182.15	142.20	140.41	-2.00	524.87	4,876.91	318.06	40.25	277.80	1.145 Level 2		
11,340.00	6,244.42	11,181.84	6,181.99	143.04	141.22	-2.14	525.89	4,906.13	318.39	38.94	279.45	1.139 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,370.00	6,244.15	11,211.79	6,181.86	143.88	142.06	-2.15	527.01	4,936.05	318.78	37.66	281.13	1.134	Level 2	
11,400.00	6,243.89	11,243.60	6,181.57	144.71	142.95	-1.82	528.05	4,967.85	319.07	36.24	282.83	1.128	Level 2	
11,430.00	6,243.63	11,275.42	6,181.05	145.55	143.83	-1.48	528.87	4,999.65	319.18	34.70	284.49	1.122	Level 2	
11,458.58	6,243.38	11,304.33	6,180.39	146.35	144.64	-1.42	529.42	5,028.55	319.16	33.17	285.99	1.116	Level 2	
11,460.00	6,243.37	11,305.64	6,180.35	146.39	144.68	-1.44	529.45	5,029.86	319.16	33.10	286.06	1.116	Level 2	
11,490.00	6,243.11	11,333.34	6,179.61	147.22	145.45	-1.87	530.10	5,057.54	319.28	31.72	287.56	1.110	Level 2	
11,520.00	6,242.84	11,361.03	6,178.80	148.06	146.22	-2.29	530.94	5,085.20	319.61	30.56	289.06	1.106	Level 2	
11,550.00	6,242.58	11,387.00	6,177.97	148.90	146.94	-3.03	531.90	5,111.14	320.17	29.67	290.50	1.102	Level 2	
11,580.00	6,242.32	11,416.01	6,177.06	149.74	147.75	-3.21	533.20	5,140.11	320.96	28.93	292.03	1.099	Level 2	
11,610.00	6,242.06	11,443.32	6,176.31	150.57	148.51	-3.70	534.69	5,167.37	322.00	28.46	293.54	1.097	Level 2	
11,640.00	6,241.80	11,470.62	6,175.66	151.41	149.26	-4.18	536.43	5,194.60	323.28	28.22	295.07	1.096	Level 2	
11,670.00	6,241.53	11,499.27	6,175.08	152.25	150.06	-4.42	538.48	5,223.18	324.78	28.12	296.66	1.095	Level 2	
11,700.00	6,241.27	11,528.64	6,174.61	153.08	150.87	-4.53	540.68	5,252.46	326.34	28.04	298.30	1.094	Level 2	
11,730.00	6,241.01	11,558.00	6,174.28	153.92	151.69	-4.63	542.95	5,281.73	327.95	27.99	299.96	1.093	Level 2	
11,760.00	6,240.75	11,589.76	6,173.96	154.76	152.60	-4.13	545.46	5,314.39	329.54	27.81	301.73	1.092	Level 2	
11,790.00	6,240.49	11,626.66	6,173.14	155.60	153.59	-3.08	547.55	5,350.22	330.66	27.17	303.49	1.090	Level 2	
11,820.00	6,240.23	11,662.58	6,171.77	156.44	154.59	-2.04	548.87	5,386.09	331.24	26.12	305.13	1.086	Level 2	
11,850.00	6,239.96	11,694.81	6,170.10	157.27	155.49	-1.66	549.54	5,418.26	331.44	24.86	306.58	1.081	Level 2	
11,880.00	6,239.70	11,726.73	6,168.10	158.11	156.38	-1.33	549.93	5,450.12	331.47	23.52	307.95	1.076	Level 2	
11,910.00	6,239.44	11,758.72	6,165.74	158.95	157.27	-0.99	550.05	5,482.02	331.34	22.10	309.24	1.071	Level 2	
11,940.00	6,239.18	11,792.92	6,163.30	159.79	158.22	-0.26	549.86	5,516.13	330.92	20.39	310.54	1.066	Level 2	
11,970.00	6,238.92	11,827.14	6,161.29	160.62	159.18	0.48	549.32	5,550.29	330.13	18.25	311.89	1.059	Level 2	
12,000.00	6,238.65	11,861.51	6,159.75	161.46	160.13	1.26	548.42	5,584.61	328.96	15.66	313.30	1.050	Level 2	
12,030.00	6,238.39	11,896.15	6,159.10	162.30	161.10	2.10	547.24	5,619.23	327.37	12.48	314.88	1.040	Level 2	
12,060.00	6,238.13	11,930.75	6,159.49	163.14	162.07	2.95	545.82	5,653.80	325.35	8.68	316.67	1.027	Level 2	
12,090.00	6,237.87	11,962.03	6,160.55	163.98	162.94	3.19	544.36	5,685.02	323.01	4.51	318.50	1.014	Level 2	
12,120.00	6,237.61	11,991.92	6,161.68	164.81	163.78	3.19	542.97	5,714.86	320.66	0.34	320.32	1.001	Level 2	
12,150.00	6,237.35	12,021.81	6,162.87	165.65	164.61	3.18	541.60	5,744.69	318.31	-3.85	322.16	0.988	Level 1	
12,180.00	6,237.08	12,049.62	6,164.02	166.49	165.39	2.78	540.40	5,772.45	316.02	-7.92	323.94	0.976	Level 1	
12,210.00	6,236.82	12,076.21	6,165.11	167.33	166.13	2.15	539.51	5,799.01	314.03	-11.66	325.68	0.964	Level 1	
12,240.00	6,236.56	12,102.84	6,166.17	168.17	166.88	1.53	538.90	5,825.61	312.35	-15.09	327.44	0.954	Level 1	
12,270.00	6,236.30	12,125.00	6,167.03	169.00	167.50	0.05	538.61	5,847.75	311.04	-18.01	329.05	0.945	Level 1	
12,300.00	6,236.04	12,156.05	6,167.93	169.84	168.36	0.25	538.48	5,878.78	309.98	-20.95	330.93	0.937	Level 1	
12,330.00	6,235.77	12,182.65	6,168.25	170.68	169.11	-0.40	538.58	5,905.39	309.29	-23.28	332.57	0.930	Level 1	
12,360.00	6,235.51	12,209.27	6,168.15	171.52	169.85	-1.04	538.89	5,932.00	308.92	-25.21	334.13	0.925	Level 1	
12,390.00	6,235.25	12,242.55	6,167.65	172.36	170.78	-0.42	539.29	5,965.27	308.64	-27.16	335.79	0.919	Level 1	
12,420.00	6,234.99	12,278.05	6,167.12	173.20	171.77	0.63	539.10	6,000.77	307.85	-29.64	337.49	0.912	Level 1	
12,450.00	6,234.73	12,312.72	6,166.63	174.03	172.74	1.53	538.30	6,035.42	306.53	-32.60	339.14	0.904	Level 1	
12,480.00	6,234.46	12,343.10	6,166.23	174.87	173.59	1.61	537.38	6,065.79	305.00	-35.67	340.67	0.895	Level 1	
12,510.00	6,234.20	12,373.47	6,165.86	175.71	174.44	1.69	536.42	6,096.15	303.42	-38.79	342.21	0.887	Level 1	
12,540.00	6,233.94	12,403.53	6,165.53	176.55	175.28	1.71	535.44	6,126.19	301.81	-41.94	343.75	0.878	Level 1	
12,570.00	6,233.68	12,431.44	6,165.35	177.39	176.07	1.31	534.66	6,154.09	300.31	-44.96	345.27	0.870	Level 1	
12,600.00	6,233.42	12,459.37	6,165.35	178.23	176.85	0.91	534.12	6,182.01	299.01	-47.83	346.84	0.862	Level 1	
12,630.00	6,233.16	12,487.32	6,165.52	179.06	177.63	0.51	533.82	6,209.96	297.91	-50.56	348.47	0.855	Level 1	
12,660.00	6,232.89	12,516.51	6,165.84	179.90	178.45	0.35	533.68	6,239.15	296.97	-53.21	350.18	0.848	Level 1	
12,690.00	6,232.63	12,545.96	6,166.22	180.74	179.27	0.24	533.62	6,268.59	296.08	-55.83	351.91	0.841	Level 1	
12,720.00	6,232.37	12,575.40	6,166.64	181.58	180.09	0.13	533.62	6,298.03	295.25	-58.41	353.66	0.835	Level 1	
12,750.00	6,232.11	12,604.51	6,167.02	182.42	180.91	-0.04	533.67	6,327.13	294.49	-60.90	355.40	0.829	Level 1	
12,780.00	6,231.85	12,633.50	6,167.09	183.26	181.72	-0.24	533.76	6,356.13	293.83	-63.22	357.06	0.823	Level 1	
12,810.00	6,231.58	12,662.51	6,166.87	184.10	182.53	-0.44	533.89	6,385.13	293.27	-65.37	358.65	0.818	Level 1	
12,840.00	6,231.32	12,692.32	6,166.42	184.93	183.37	-0.48	534.04	6,414.94	292.79	-67.41	360.21	0.813	Level 1	
12,870.00	6,231.06	12,722.75	6,166.19	185.77	184.22	-0.39	534.22	6,445.37	292.28	-69.56	361.84	0.808	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,900.00	6,230.80	12,753.18	6,166.24	186.61	185.07	-0.30	534.42	6,475.80	291.72	-71.81	363.54	0.802	Level 1	
12,930.00	6,230.54	12,783.02	6,166.53	187.45	185.90	-0.33	534.63	6,505.64	291.14	-74.14	365.28	0.797	Level 1	
12,960.00	6,230.27	12,812.38	6,166.83	188.29	186.72	-0.46	534.91	6,535.00	290.61	-76.41	367.02	0.792	Level 1	
12,990.00	6,230.01	12,841.74	6,167.14	189.13	187.54	-0.59	535.25	6,564.35	290.15	-78.62	368.77	0.787	Level 1	
13,020.00	6,229.75	12,871.38	6,167.45	189.97	188.37	-0.66	535.65	6,593.99	289.74	-80.78	370.53	0.782	Level 1	
13,050.00	6,229.49	12,901.41	6,167.78	190.81	189.21	-0.66	536.07	6,624.01	289.35	-82.95	372.30	0.777	Level 1	
13,080.00	6,229.23	12,931.44	6,168.13	191.64	190.05	-0.65	536.49	6,654.03	288.95	-85.13	374.08	0.772	Level 1	
13,110.00	6,228.97	12,961.46	6,168.50	192.48	190.89	-0.65	536.91	6,684.05	288.55	-87.31	375.87	0.768	Level 1	
13,140.00	6,228.70	12,991.49	6,168.88	193.32	191.73	-0.64	537.32	6,714.07	288.15	-89.50	377.65	0.763	Level 1	
13,170.00	6,228.44	13,021.51	6,169.28	194.16	192.57	-0.64	537.74	6,744.09	287.75	-91.70	379.45	0.758	Level 1	
13,200.00	6,228.18	13,051.36	6,169.67	195.00	193.41	-0.67	538.16	6,773.94	287.34	-93.89	381.24	0.754	Level 1	
13,230.00	6,227.92	13,080.76	6,169.79	195.84	194.23	-0.79	538.56	6,803.34	286.98	-95.96	382.94	0.749	Level 1	
13,260.00	6,227.66	13,110.17	6,169.52	196.68	195.05	-0.91	538.94	6,832.74	286.69	-97.87	384.55	0.746	Level 1	
13,290.00	6,227.39	13,139.57	6,168.89	197.52	195.87	-1.03	539.30	6,862.13	286.45	-99.62	386.07	0.742	Level 1	
13,320.00	6,227.13	13,168.95	6,168.23	198.36	196.69	-1.16	539.73	6,891.50	286.28	-101.31	387.59	0.739	Level 1	
13,350.00	6,226.87	13,198.34	6,167.74	199.20	197.52	-1.29	540.25	6,920.88	286.18	-102.97	389.15	0.735	Level 1	
13,380.00	6,226.61	13,227.76	6,167.41	200.03	198.34	-1.41	540.88	6,950.29	286.14	-104.62	390.76	0.732	Level 1	
13,410.00	6,226.35	13,257.71	6,167.22	200.87	199.17	-1.42	541.57	6,980.23	286.13	-106.29	392.42	0.729	Level 1	
13,440.00	6,226.09	13,287.66	6,167.17	201.71	200.01	-1.43	542.31	7,010.17	286.12	-107.99	394.12	0.726	Level 1	
13,466.01	6,226.03	13,293.66	6,167.18	201.88	200.18	-1.43	542.46	7,016.17	286.12	-108.34	394.46	0.725	Level 1	
13,470.00	6,225.82	13,317.61	6,167.26	202.55	200.85	-1.44	543.07	7,040.11	286.13	-109.73	395.85	0.723	Level 1	
13,500.00	6,225.56	13,347.05	6,167.43	203.39	201.67	-1.55	543.88	7,069.54	286.16	-111.44	397.60	0.720	Level 1	
13,530.00	6,225.30	13,376.48	6,167.63	204.23	202.49	-1.67	544.74	7,098.96	286.25	-113.10	399.36	0.717	Level 1	
13,560.00	6,225.04	13,405.91	6,167.87	205.07	203.32	-1.78	545.68	7,128.38	286.41	-114.72	401.13	0.714	Level 1	
13,590.00	6,224.78	13,436.06	6,168.15	205.91	204.16	-1.75	546.67	7,158.50	286.59	-116.34	402.93	0.711	Level 1	
13,620.00	6,224.51	13,466.31	6,168.48	206.75	205.00	-1.70	547.65	7,188.74	286.74	-118.00	404.75	0.708	Level 1	
13,650.00	6,224.25	13,496.56	6,168.87	207.59	205.85	-1.65	548.61	7,218.97	286.87	-119.70	406.58	0.706	Level 1	
13,680.00	6,223.99	13,526.33	6,169.20	208.43	206.68	-1.70	549.54	7,248.72	287.00	-121.37	408.37	0.703	Level 1	
13,710.00	6,223.73	13,556.03	6,169.27	209.27	207.51	-1.76	550.45	7,278.41	287.16	-122.95	410.11	0.700	Level 1	
13,740.00	6,223.47	13,585.72	6,169.10	210.11	208.34	-1.82	551.34	7,308.09	287.35	-124.43	411.78	0.698	Level 1	
13,770.00	6,223.20	13,615.56	6,168.70	210.94	209.17	-1.85	552.22	7,337.91	287.56	-125.83	413.40	0.696	Level 1	
13,800.00	6,222.94	13,645.44	6,168.14	211.78	210.01	-1.88	553.09	7,367.77	287.79	-127.19	414.98	0.694	Level 1	
13,830.00	6,222.68	13,675.31	6,167.42	212.62	210.84	-1.91	553.94	7,397.62	288.04	-128.48	416.52	0.692	Level 1	
13,860.00	6,222.42	13,705.18	6,166.64	213.46	211.68	-1.93	554.78	7,427.46	288.29	-129.75	418.04	0.690	Level 1	
13,890.00	6,222.16	13,735.04	6,166.04	214.30	212.51	-1.96	555.68	7,457.31	288.56	-131.05	419.61	0.688	Level 1	
13,920.00	6,221.90	13,764.91	6,165.61	215.14	213.34	-1.99	556.62	7,487.16	288.85	-132.38	421.22	0.686	Level 1	
13,950.00	6,221.63	13,794.74	6,165.35	215.98	214.18	-2.02	557.62	7,516.97	289.14	-133.74	422.88	0.684	Level 1	
13,980.00	6,221.37	13,824.55	6,165.17	216.82	215.01	-2.06	558.64	7,546.77	289.46	-135.10	424.56	0.682	Level 1	
14,010.00	6,221.11	13,854.36	6,165.04	217.66	215.84	-2.10	559.70	7,576.56	289.80	-136.46	426.26	0.680	Level 1	
14,040.00	6,220.85	13,883.84	6,164.98	218.50	216.66	-2.20	560.78	7,606.02	290.17	-137.80	427.96	0.678	Level 1	
14,070.00	6,220.59	13,912.92	6,164.93	219.34	217.48	-2.39	561.94	7,635.07	290.61	-139.05	429.66	0.676	Level 1	
14,100.00	6,220.32	13,941.99	6,164.88	220.18	218.29	-2.57	563.19	7,664.11	291.16	-140.21	431.37	0.675	Level 1	
14,130.00	6,220.06	13,971.00	6,164.83	221.02	219.10	-2.77	564.53	7,693.10	291.80	-141.27	433.07	0.674	Level 1	
14,160.00	6,219.80	13,999.83	6,164.80	221.86	219.90	-3.00	565.97	7,721.89	292.55	-142.23	434.78	0.673	Level 1	
14,190.00	6,219.54	14,028.66	6,164.80	222.70	220.70	-3.23	567.54	7,750.67	293.42	-143.08	436.51	0.672	Level 1	
14,220.00	6,219.28	14,057.47	6,164.84	223.54	221.51	-3.46	569.22	7,779.44	294.41	-143.83	438.24	0.672	Level 1	
14,250.00	6,219.02	14,086.96	6,164.87	224.38	222.38	-3.16	571.06	7,810.87	295.40	-144.66	440.06	0.671	Level 1	
14,280.00	6,218.75	14,120.72	6,164.85	225.22	223.27	-2.81	572.71	7,842.59	296.21	-145.65	441.86	0.670	Level 1	
14,310.00	6,218.49	14,152.49	6,164.77	226.05	224.16	-2.46	574.16	7,874.32	296.84	-146.80	443.64	0.669	Level 1	
14,340.00	6,218.23	14,183.47	6,164.64	226.89	225.02	-2.27	575.41	7,905.29	297.33	-148.06	445.38	0.668	Level 1	
14,370.00	6,217.97	14,214.40	6,164.49	227.73	225.89	-2.09	576.56	7,936.19	297.72	-149.39	447.11	0.666	Level 1	
14,400.00	6,217.71	14,245.33	6,164.29	228.57	226.75	-1.91	577.60	7,967.10	298.02	-150.80	448.82	0.664	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 800-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,430.00	6,217.44	14,275.23	6,164.09	229.41	227.59	-1.92	578.56	7,996.99	298.27	-152.23	450.50	0.662	Level 1	
14,460.00	6,217.18	14,304.91	6,163.88	230.25	228.42	-1.99	579.53	8,026.65	298.55	-153.62	452.17	0.660	Level 1	
14,490.00	6,216.92	14,334.59	6,163.67	231.09	229.25	-2.05	580.54	8,056.31	298.86	-154.98	453.84	0.659	Level 1	
14,520.00	6,216.66	14,364.09	6,163.47	231.93	230.07	-2.14	581.58	8,085.79	299.21	-156.30	455.51	0.657	Level 1	
14,550.00	6,216.40	14,393.48	6,163.28	232.77	230.89	-2.26	582.67	8,115.16	299.61	-157.56	457.18	0.655	Level 1	
14,580.00	6,216.13	14,422.87	6,163.11	233.61	231.71	-2.38	583.83	8,144.52	300.08	-158.77	458.86	0.654	Level 1	
14,610.00	6,215.87	14,452.76	6,162.93	234.45	232.55	-2.40	585.06	8,174.40	300.60	-159.95	460.55	0.653	Level 1	
14,640.00	6,215.61	14,483.49	6,162.54	235.29	233.40	-2.26	586.24	8,205.10	301.07	-161.14	462.21	0.651	Level 1	
14,670.00	6,215.35	14,514.21	6,161.88	236.13	234.26	-2.12	587.30	8,235.79	301.47	-162.33	463.81	0.650	Level 1	
14,700.00	6,215.09	14,544.61	6,161.00	236.97	235.11	-2.04	588.23	8,266.16	301.81	-163.52	465.33	0.649	Level 1	
14,730.00	6,214.83	14,574.34	6,160.24	237.81	235.94	-2.10	589.17	8,295.87	302.15	-164.71	466.86	0.647	Level 1	
14,760.00	6,214.56	14,604.08	6,159.69	238.65	236.77	-2.15	590.17	8,325.59	302.51	-165.94	468.45	0.646	Level 1	
14,790.00	6,214.30	14,633.77	6,159.35	239.49	237.60	-2.21	591.23	8,355.26	302.90	-167.19	470.09	0.644	Level 1	
14,820.00	6,214.04	14,663.16	6,159.05	240.33	238.42	-2.32	592.34	8,384.62	303.34	-168.39	471.73	0.643	Level 1	
14,850.00	6,213.78	14,692.55	6,158.69	241.17	239.24	-2.44	593.49	8,413.99	303.84	-169.53	473.36	0.642	Level 1	
14,880.00	6,213.52	14,721.93	6,158.27	242.01	240.06	-2.56	594.70	8,443.34	304.39	-170.59	474.98	0.641	Level 1	
14,910.00	6,213.25	14,751.71	6,157.87	242.85	240.89	-2.60	595.96	8,473.09	304.99	-171.62	476.62	0.640	Level 1	
14,940.00	6,212.99	14,781.51	6,157.63	243.69	241.73	-2.64	597.28	8,502.87	305.61	-172.69	478.30	0.639	Level 1	
14,970.00	6,212.73	14,811.32	6,157.56	244.53	242.56	-2.67	598.65	8,532.64	306.25	-173.77	480.02	0.638	Level 1	
15,000.00	6,212.47	14,842.77	6,157.58	245.37	243.44	-2.39	600.06	8,564.06	306.85	-174.97	481.82	0.637	Level 1	
15,030.00	6,212.21	14,874.92	6,157.49	246.21	244.33	-1.99	601.28	8,596.18	307.25	-176.36	483.61	0.635	Level 1	
15,060.00	6,211.94	14,907.07	6,157.29	247.05	245.23	-1.58	602.24	8,628.32	307.44	-177.91	485.35	0.633	Level 1	
15,090.00	6,211.68	14,936.28	6,157.04	247.89	246.05	-1.73	603.01	8,657.52	307.53	-179.46	486.99	0.631	Level 1	
15,120.00	6,211.42	14,964.68	6,156.79	248.73	246.84	-2.03	603.89	8,685.90	307.77	-180.84	488.61	0.630	Level 1	
15,150.00	6,211.16	14,993.08	6,156.55	249.57	247.64	-2.33	604.93	8,714.28	308.16	-182.07	490.24	0.629	Level 1	
15,180.00	6,210.90	15,024.50	6,156.29	250.41	248.52	-2.06	606.17	8,745.68	308.65	-183.31	491.96	0.627	Level 1	
15,210.00	6,210.64	15,059.28	6,156.19	251.25	249.49	-1.16	607.12	8,780.44	308.75	-185.06	493.80	0.625	Level 1	
15,240.00	6,210.37	15,094.05	6,156.28	252.09	250.46	-0.26	607.57	8,815.21	308.39	-187.29	495.68	0.622	Level 1	
15,270.00	6,210.11	15,124.43	6,156.48	252.93	251.31	-0.19	607.67	8,845.59	307.72	-189.72	497.43	0.619	Level 1	
15,300.00	6,209.85	15,153.28	6,156.68	253.77	252.12	-0.40	607.86	8,874.44	307.14	-192.01	499.15	0.615	Level 1	
15,330.00	6,209.59	15,182.14	6,156.89	254.61	252.93	-0.62	608.15	8,903.30	306.68	-194.20	500.88	0.612	Level 1	
15,360.00	6,209.33	15,210.89	6,157.09	255.45	253.73	-0.86	608.55	8,932.04	306.33	-196.27	502.60	0.609	Level 1	
15,390.00	6,209.06	15,239.51	6,157.32	256.29	254.53	-1.12	609.09	8,960.66	306.11	-198.23	504.34	0.607	Level 1	
15,420.00	6,208.80	15,268.13	6,157.58	257.13	255.34	-1.38	609.75	8,989.27	306.03	-200.06	506.09	0.605	Level 1	
15,423.17	6,208.77	15,271.15	6,157.61	257.22	255.42	-1.41	609.83	8,992.29	306.03	-200.24	506.27	0.604	Level 1	
15,450.00	6,208.54	15,296.98	6,157.87	257.97	256.14	-1.60	610.56	9,018.10	306.08	-201.77	507.85	0.603	Level 1	
15,480.00	6,208.28	15,326.97	6,158.05	258.81	256.98	-1.60	611.43	9,048.09	306.18	-203.45	509.63	0.601	Level 1	
15,510.00	6,208.02	15,356.97	6,158.03	259.65	257.82	-1.60	612.26	9,078.07	306.28	-205.07	511.35	0.599	Level 1	
15,540.00	6,207.76	15,386.98	6,157.82	260.49	258.66	-1.60	613.07	9,108.07	306.38	-206.65	513.03	0.597	Level 1	
15,570.00	6,207.49	15,415.50	6,157.50	261.33	259.46	-1.88	613.88	9,136.57	306.55	-208.08	514.64	0.596	Level 1	
15,600.00	6,207.23	15,444.02	6,157.16	262.17	260.25	-2.16	614.83	9,165.08	306.87	-209.37	516.24	0.594	Level 1	
15,630.00	6,206.97	15,472.53	6,156.79	263.01	261.05	-2.44	615.91	9,193.57	307.33	-210.51	517.84	0.593	Level 1	
15,660.00	6,206.71	15,501.76	6,156.37	263.85	261.87	-2.58	617.13	9,222.77	307.92	-211.55	519.46	0.593	Level 1	
15,690.00	6,206.45	15,531.34	6,155.90	264.69	262.69	-2.66	618.41	9,252.32	308.54	-212.54	521.08	0.592	Level 1	
15,720.00	6,206.18	15,560.92	6,155.38	265.53	263.52	-2.74	619.72	9,281.86	309.21	-213.47	522.69	0.592	Level 1	
15,750.00	6,205.92	15,590.91	6,154.84	266.37	264.35	-2.74	621.07	9,311.82	309.91	-214.38	524.30	0.591	Level 1	
15,780.00	6,205.66	15,621.39	6,154.43	267.21	265.20	-2.65	622.44	9,342.27	310.58	-215.38	525.96	0.590	Level 1	
15,810.00	6,205.40	15,651.88	6,154.22	268.05	266.06	-2.56	623.79	9,372.72	311.20	-216.47	527.67	0.590	Level 1	
15,840.00	6,205.14	15,682.33	6,154.18	268.89	266.91	-2.47	625.12	9,403.14	311.77	-217.65	529.42	0.589	Level 1	
15,870.00	6,204.87	15,712.73	6,154.12	269.73	267.75	-2.40	626.40	9,433.51	312.30	-218.87	531.17	0.588	Level 1	
15,900.00	6,204.61	15,743.13	6,153.99	270.57	268.60	-2.32	627.63	9,463.89	312.79	-220.10	532.89	0.587	Level 1	
15,930.00	6,204.35	15,773.05	6,153.80	271.41	269.44	-2.33	628.80	9,493.79	313.25	-221.33	534.58	0.586	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 800-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,960.00	6,204.09	15,801.55	6,153.59	272.25	270.24	-2.61	629.99	9,522.26	313.80	-222.43	536.23	0.585 Level 1	
15,990.00	6,203.83	15,830.04	6,153.36	273.09	271.03	-2.89	631.32	9,550.72	314.50	-223.38	537.88	0.585 Level 1	
16,020.00	6,203.57	15,860.00	6,153.11	273.93	271.87	-2.89	632.87	9,580.64	315.34	-224.23	539.57	0.584 Level 1, SF	
16,050.00	6,203.30	15,887.23	6,152.89	274.77	272.63	-3.40	634.39	9,607.82	316.31	-224.88	541.19	0.584 Level 1	
16,080.00	6,203.04	15,915.94	6,152.68	275.61	273.43	-3.63	636.12	9,636.48	317.40	-225.47	542.87	0.585 Level 1	
16,110.00	6,202.78	15,944.64	6,152.50	276.45	274.23	-3.86	637.97	9,665.12	318.61	-225.94	544.55	0.585 Level 1	
16,140.00	6,202.52	15,973.93	6,152.35	277.29	275.04	-3.99	639.96	9,694.34	319.93	-226.34	546.26	0.586 Level 1	
16,170.00	6,202.26	16,003.55	6,152.19	278.13	275.86	-4.05	642.01	9,723.89	321.28	-226.71	547.99	0.586 Level 1	
16,200.00	6,201.99	16,033.17	6,152.04	278.97	276.69	-4.11	644.09	9,753.43	322.67	-227.05	549.71	0.587 Level 1	
16,230.00	6,201.73	16,062.03	6,151.89	279.81	277.49	-4.31	646.17	9,782.23	324.10	-227.31	551.41	0.588 Level 1	
16,260.00	6,201.47	16,091.22	6,151.73	280.65	278.30	-4.45	648.40	9,811.33	325.66	-227.47	553.13	0.589 Level 1	
16,290.00	6,201.21	16,121.18	6,151.58	281.49	279.14	-4.45	650.70	9,841.20	327.24	-227.63	554.86	0.590 Level 1	
16,313.34	6,201.00	16,144.48	6,151.46	282.14	279.78	-4.45	652.48	9,864.43	328.46	-227.75	556.21	0.591 Level 1, ES	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-176.63	-14.21	-0.84	14.23					
30.00	30.00	30.00	30.00	0.01	0.03	-176.63	-14.21	-0.84	14.23	14.20	0.03	420.726		
60.00	60.00	60.00	60.00	0.04	0.05	-176.63	-14.21	-0.84	14.23	14.14	0.09	152.210		
90.00	90.00	90.00	90.00	0.08	0.08	-176.63	-14.21	-0.84	14.23	14.08	0.15	92.912		
120.00	120.00	120.00	120.00	0.13	0.13	-176.63	-14.21	-0.84	14.23	13.97	0.26	54.119		
150.00	150.00	150.00	150.00	0.20	0.20	-176.63	-14.21	-0.84	14.23	13.83	0.40	35.774		
180.00	180.00	180.00	180.00	0.27	0.27	-176.63	-14.21	-0.84	14.23	13.70	0.53	26.717		
210.00	210.00	210.00	210.00	0.33	0.33	-176.63	-14.21	-0.84	14.23	13.56	0.67	21.320		
240.00	240.00	240.00	240.00	0.40	0.40	-176.63	-14.21	-0.84	14.23	13.43	0.80	17.737		
270.00	270.00	270.00	270.00	0.47	0.47	-176.63	-14.21	-0.84	14.23	13.29	0.94	15.184		
300.00	300.00	300.00	300.00	0.54	0.54	-176.63	-14.21	-0.84	14.23	13.16	1.07	13.274		
330.00	330.00	330.00	330.00	0.60	0.60	-176.63	-14.21	-0.84	14.23	13.03	1.21	11.791		
360.00	360.00	360.00	360.00	0.67	0.67	-176.63	-14.21	-0.84	14.23	12.89	1.34	10.606		
390.00	390.00	390.00	390.00	0.74	0.74	-176.63	-14.21	-0.84	14.23	12.76	1.48	9.638		
420.00	420.00	420.00	420.00	0.81	0.81	-176.63	-14.21	-0.84	14.23	12.62	1.61	8.831		
450.00	450.00	450.00	450.00	0.87	0.87	-176.63	-14.21	-0.84	14.23	12.49	1.75	8.149		
480.00	480.00	480.00	480.00	0.94	0.94	-176.63	-14.21	-0.84	14.23	12.35	1.88	7.565		
510.00	510.00	510.00	510.00	1.01	1.01	-176.63	-14.21	-0.84	14.23	12.22	2.02	7.059		
540.00	540.00	540.00	540.00	1.08	1.08	-176.63	-14.21	-0.84	14.23	12.08	2.15	6.616		
570.00	570.00	570.00	570.00	1.14	1.14	-176.63	-14.21	-0.84	14.23	11.95	2.29	6.226		
600.00	600.00	600.00	600.00	1.21	1.21	-176.63	-14.21	-0.84	14.23	11.81	2.42	5.879		
630.00	630.00	630.00	630.00	1.28	1.28	-176.63	-14.21	-0.84	14.23	11.68	2.56	5.569		
660.00	660.00	660.00	660.00	1.35	1.35	-176.63	-14.21	-0.84	14.23	11.54	2.69	5.290		
690.00	690.00	690.00	690.00	1.41	1.41	-176.63	-14.21	-0.84	14.23	11.41	2.83	5.037		
720.00	720.00	720.00	720.00	1.48	1.48	-176.63	-14.21	-0.84	14.23	11.27	2.96	4.808		
750.00	750.00	750.00	750.00	1.55	1.55	-176.63	-14.21	-0.84	14.23	11.14	3.10	4.598		
780.00	780.00	780.00	780.00	1.61	1.61	-176.63	-14.21	-0.84	14.23	11.00	3.23	4.406		
810.00	810.00	810.00	810.00	1.68	1.68	-176.63	-14.21	-0.84	14.23	10.87	3.36	4.230		
840.00	840.00	840.00	840.00	1.75	1.75	-176.63	-14.21	-0.84	14.23	10.73	3.50	4.067		
870.00	870.00	870.00	870.00	1.82	1.82	-176.63	-14.21	-0.84	14.23	10.60	3.63	3.916		
900.00	900.00	900.00	900.00	1.88	1.88	-176.63	-14.21	-0.84	14.23	10.46	3.77	3.776 CC		
930.00	930.00	929.90	929.90	1.95	1.95	-176.77	-14.30	-0.96	14.37	10.47	3.89	3.689		
960.00	960.00	959.80	959.80	2.01	2.01	-177.17	-14.58	-1.33	14.77	10.75	4.02	3.675		
990.00	989.99	989.69	989.68	2.08	2.07	-177.78	-15.05	-1.96	15.45	11.31	4.15	3.727		
1,020.00	1,019.96	1,019.57	1,019.54	2.14	2.13	-178.56	-15.71	-2.83	16.41	12.14	4.27	3.843		
1,050.00	1,049.93	1,049.44	1,049.37	2.21	2.18	-179.44	-16.55	-3.95	17.63	13.24	4.39	4.017		
1,080.00	1,079.88	1,079.28	1,079.17	2.27	2.24	179.64	-17.58	-5.32	19.14	14.63	4.51	4.242		
1,110.00	1,109.81	1,109.11	1,108.92	2.34	2.30	178.72	-18.79	-6.93	20.92	16.29	4.63	4.514		
1,140.00	1,139.72	1,138.90	1,138.63	2.40	2.36	177.85	-20.19	-8.79	22.98	18.22	4.76	4.825		
1,170.00	1,169.62	1,168.67	1,168.28	2.47	2.42	177.52	-21.78	-10.90	25.25	20.35	4.89	5.160		
1,200.00	1,199.52	1,198.46	1,197.92	2.54	2.48	177.76	-23.54	-13.24	27.68	22.66	5.02	5.511		
1,230.00	1,229.43	1,228.36	1,227.66	2.61	2.55	178.10	-25.36	-15.66	30.17	25.01	5.16	5.848		
1,260.00	1,259.33	1,258.25	1,257.41	2.68	2.62	178.40	-27.18	-18.08	32.65	27.36	5.29	6.169		
1,290.00	1,289.23	1,288.15	1,287.15	2.75	2.68	178.65	-29.00	-20.50	35.14	29.71	5.43	6.474		
1,320.00	1,319.13	1,318.05	1,316.89	2.82	2.75	178.87	-30.82	-22.92	37.63	32.06	5.57	6.760		
1,350.00	1,349.03	1,347.94	1,346.63	2.89	2.83	179.06	-32.64	-25.34	40.11	34.41	5.71	7.031		
1,380.00	1,378.93	1,377.84	1,376.38	2.96	2.90	179.23	-34.46	-27.76	42.60	36.76	5.85	7.289		
1,410.00	1,408.84	1,407.73	1,406.12	3.04	2.97	179.38	-36.28	-30.18	45.09	39.11	5.99	7.533		
1,440.00	1,438.74	1,437.63	1,435.86	3.11	3.04	179.52	-38.10	-32.60	47.58	41.45	6.13	7.763		
1,470.00	1,468.64	1,467.53	1,465.61	3.18	3.12	179.64	-39.92	-35.02	50.07	43.80	6.27	7.983		
1,500.00	1,498.54	1,497.42	1,495.35	3.26	3.19	179.75	-41.75	-37.44	52.56	46.14	6.42	8.192		
1,530.00	1,528.44	1,527.32	1,525.09	3.33	3.27	179.85	-43.57	-39.86	55.05	48.49	6.56	8.389		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,560.00	1,558.34	1,557.22	1,554.83	3.41	3.35	179.94	-45.39	-42.28	57.54	50.83	6.71	8.578		
1,590.00	1,588.25	1,587.11	1,584.58	3.48	3.42	-179.98	-47.21	-44.70	60.03	53.17	6.85	8.758		
1,620.00	1,618.15	1,617.01	1,614.32	3.56	3.50	-179.90	-49.03	-47.12	62.52	55.52	7.00	8.929		
1,650.00	1,648.05	1,646.91	1,644.06	3.63	3.58	-179.83	-50.85	-49.53	65.01	57.86	7.15	9.092		
1,680.00	1,677.95	1,676.80	1,673.80	3.71	3.66	-179.76	-52.67	-51.95	67.50	60.20	7.30	9.248		
1,710.00	1,707.85	1,706.70	1,703.55	3.78	3.74	-179.70	-54.49	-54.37	69.99	62.54	7.45	9.397		
1,740.00	1,737.75	1,736.59	1,733.29	3.86	3.82	-179.64	-56.31	-56.79	72.48	64.88	7.60	9.539		
1,770.00	1,767.65	1,766.49	1,763.03	3.94	3.90	-179.59	-58.13	-59.21	74.97	67.22	7.75	9.675		
1,800.00	1,797.56	1,796.39	1,792.77	4.01	3.98	-179.54	-59.95	-61.63	77.46	69.56	7.90	9.806		
1,830.00	1,827.46	1,826.28	1,822.52	4.09	4.06	-179.49	-61.77	-64.05	79.95	71.90	8.05	9.931		
1,860.00	1,857.36	1,856.18	1,852.26	4.17	4.14	-179.45	-63.59	-66.47	82.44	74.24	8.20	10.050		
1,890.00	1,887.26	1,886.08	1,882.00	4.24	4.23	-179.41	-65.41	-68.89	84.93	76.57	8.35	10.166		
1,920.00	1,917.16	1,915.97	1,911.74	4.32	4.31	-179.37	-67.23	-71.31	87.42	78.91	8.51	10.276		
1,950.00	1,947.06	1,945.87	1,941.49	4.40	4.39	-179.33	-69.05	-73.73	89.91	81.25	8.66	10.382		
1,980.00	1,976.97	1,975.77	1,971.23	4.48	4.47	-179.30	-70.87	-76.15	92.40	83.59	8.81	10.484		
2,010.00	2,006.87	2,005.66	2,000.97	4.55	4.56	-179.26	-72.69	-78.57	94.89	85.92	8.97	10.582		
2,040.00	2,036.77	2,035.56	2,030.72	4.63	4.64	-179.23	-74.51	-80.99	97.38	88.26	9.12	10.676		
2,070.00	2,066.67	2,065.46	2,060.46	4.71	4.72	-179.20	-76.34	-83.41	99.87	90.60	9.28	10.767		
2,100.00	2,096.57	2,095.35	2,090.20	4.79	4.81	-179.18	-78.16	-85.83	102.36	92.93	9.43	10.855		
2,130.00	2,126.47	2,125.25	2,119.94	4.87	4.89	-179.15	-79.98	-88.25	104.85	95.27	9.59	10.939		
2,160.00	2,156.38	2,155.14	2,149.69	4.94	4.98	-179.12	-81.80	-90.67	107.34	97.60	9.74	11.020		
2,190.00	2,186.28	2,185.04	2,179.43	5.02	5.06	-179.10	-83.62	-93.09	109.84	99.94	9.90	11.099		
2,220.00	2,216.18	2,214.94	2,209.17	5.10	5.15	-179.07	-85.44	-95.51	112.33	102.27	10.05	11.175		
2,250.00	2,246.08	2,244.83	2,238.91	5.18	5.23	-179.05	-87.26	-97.93	114.82	104.61	10.21	11.248		
2,280.00	2,275.98	2,274.73	2,268.66	5.26	5.31	-179.03	-89.08	-100.35	117.31	106.94	10.36	11.319		
2,310.00	2,305.88	2,304.63	2,298.40	5.34	5.40	-179.01	-90.90	-102.77	119.80	109.28	10.52	11.388		
2,340.00	2,335.79	2,334.52	2,328.14	5.42	5.49	-178.99	-92.72	-105.19	122.29	111.61	10.68	11.454		
2,370.00	2,365.69	2,364.42	2,357.88	5.50	5.57	-178.97	-94.54	-107.61	124.78	113.95	10.83	11.518		
2,400.00	2,395.59	2,394.32	2,387.63	5.57	5.66	-178.95	-96.36	-110.03	127.27	116.28	10.99	11.581		
2,430.00	2,425.49	2,424.21	2,417.37	5.65	5.74	-178.94	-98.18	-112.45	129.76	118.62	11.15	11.641		
2,460.00	2,455.39	2,454.11	2,447.11	5.73	5.83	-178.92	-100.00	-114.87	132.25	120.95	11.30	11.699		
2,490.00	2,485.29	2,484.00	2,476.86	5.81	5.91	-178.90	-101.82	-117.29	134.74	123.28	11.46	11.756		
2,520.00	2,515.20	2,513.90	2,506.60	5.89	6.00	-178.89	-103.64	-119.71	137.24	125.62	11.62	11.811		
2,550.00	2,545.10	2,543.80	2,536.34	5.97	6.09	-178.87	-105.46	-122.13	139.73	127.95	11.78	11.864		
2,580.00	2,575.00	2,573.69	2,566.08	6.05	6.17	-178.86	-107.28	-124.54	142.22	130.28	11.94	11.916		
2,610.00	2,604.90	2,603.59	2,595.83	6.13	6.26	-178.84	-109.10	-126.96	144.71	132.62	12.09	11.966		
2,640.00	2,634.80	2,633.49	2,625.57	6.21	6.34	-178.83	-110.93	-129.38	147.20	134.95	12.25	12.015		
2,670.00	2,664.70	2,663.38	2,655.31	6.29	6.43	-178.82	-112.75	-131.80	149.69	137.28	12.41	12.063		
2,700.00	2,694.61	2,693.28	2,685.05	6.37	6.52	-178.80	-114.57	-134.22	152.18	139.61	12.57	12.109		
2,730.00	2,724.51	2,723.18	2,714.80	6.45	6.60	-178.79	-116.39	-136.64	154.67	141.95	12.73	12.154		
2,760.00	2,754.41	2,753.07	2,744.54	6.53	6.69	-178.78	-118.21	-139.06	157.16	144.28	12.88	12.198		
2,790.00	2,784.31	2,782.97	2,774.28	6.61	6.78	-178.77	-120.03	-141.48	159.65	146.61	13.04	12.240		
2,820.00	2,814.21	2,812.86	2,804.02	6.69	6.86	-178.76	-121.85	-143.90	162.14	148.94	13.20	12.282		
2,850.00	2,844.11	2,842.76	2,833.77	6.77	6.95	-178.75	-123.67	-146.32	164.64	151.27	13.36	12.322		
2,880.00	2,874.02	2,872.66	2,863.51	6.85	7.04	-178.73	-125.49	-148.74	167.13	153.61	13.52	12.361		
2,910.00	2,903.92	2,902.55	2,893.25	6.93	7.13	-178.72	-127.31	-151.16	169.62	155.94	13.68	12.400		
2,940.00	2,933.82	2,932.45	2,922.99	7.01	7.21	-178.71	-129.13	-153.58	172.11	158.27	13.84	12.437		
2,970.00	2,963.72	2,962.35	2,952.74	7.09	7.30	-178.70	-130.95	-156.00	174.60	160.60	14.00	12.474		
3,000.00	2,993.62	2,992.24	2,982.48	7.17	7.39	-178.70	-132.77	-158.42	177.09	162.93	14.16	12.509		
3,030.00	3,023.52	3,022.14	3,012.22	7.25	7.47	-178.69	-134.59	-160.84	179.58	165.27	14.32	12.544		
3,060.00	3,053.43	3,052.04	3,041.97	7.33	7.56	-178.68	-136.41	-163.26	182.07	167.60	14.48	12.578		
3,090.00	3,083.33	3,081.93	3,071.71	7.41	7.65	-178.67	-138.23	-165.68	184.56	169.93	14.64	12.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,120.00	3,113.23	3,111.83	3,101.45	7.49	7.74	-178.66	-140.05	-168.10	187.06	172.26	14.79	12.643		
3,150.00	3,143.13	3,141.73	3,131.19	7.57	7.82	-178.65	-141.87	-170.52	189.55	174.59	14.95	12.675		
3,180.00	3,173.03	3,171.62	3,160.94	7.65	7.91	-178.64	-143.69	-172.94	192.04	176.92	15.11	12.706		
3,210.00	3,202.93	3,201.52	3,190.68	7.73	8.00	-178.64	-145.52	-175.36	194.53	179.25	15.27	12.736		
3,240.00	3,232.84	3,231.41	3,220.42	7.81	8.09	-178.63	-147.34	-177.78	197.02	181.59	15.43	12.765		
3,270.00	3,262.74	3,261.31	3,250.16	7.89	8.18	-178.62	-149.16	-180.20	199.51	183.92	15.59	12.794		
3,300.00	3,292.64	3,291.21	3,279.91	7.97	8.26	-178.61	-150.98	-182.62	202.00	186.25	15.75	12.822		
3,330.00	3,322.54	3,321.10	3,309.65	8.05	8.35	-178.61	-152.80	-185.04	204.49	188.58	15.91	12.850		
3,360.00	3,352.44	3,351.00	3,339.39	8.13	8.44	-178.60	-154.62	-187.46	206.98	190.91	16.07	12.877		
3,390.00	3,382.34	3,380.90	3,369.13	8.21	8.53	-178.59	-156.44	-189.88	209.47	193.24	16.23	12.903		
3,420.00	3,412.25	3,410.79	3,398.88	8.29	8.61	-178.59	-158.26	-192.30	211.97	195.57	16.39	12.929		
3,450.00	3,442.15	3,440.69	3,428.62	8.37	8.70	-178.58	-160.08	-194.72	214.46	197.90	16.56	12.954		
3,480.00	3,472.05	3,470.59	3,458.36	8.45	8.79	-178.57	-161.90	-197.14	216.95	200.23	16.72	12.979		
3,510.00	3,501.95	3,500.48	3,488.10	8.53	8.88	-178.57	-163.72	-199.55	219.44	202.56	16.88	13.003		
3,540.00	3,531.85	3,530.38	3,517.85	8.61	8.97	-178.56	-165.54	-201.97	221.93	204.89	17.04	13.027		
3,570.00	3,561.75	3,560.27	3,547.59	8.69	9.05	-178.56	-167.36	-204.39	224.42	207.22	17.20	13.050		
3,600.00	3,591.66	3,590.17	3,577.33	8.77	9.14	-178.55	-169.18	-206.81	226.91	209.56	17.36	13.073		
3,630.00	3,621.56	3,620.07	3,607.08	8.85	9.23	-178.55	-171.00	-209.23	229.40	211.89	17.52	13.095		
3,660.00	3,651.46	3,649.96	3,636.82	8.93	9.32	-178.54	-172.82	-211.65	231.89	214.22	17.68	13.117		
3,690.00	3,681.36	3,679.86	3,666.56	9.01	9.41	-178.53	-174.64	-214.07	234.39	216.55	17.84	13.139		
3,720.00	3,711.26	3,709.76	3,696.30	9.09	9.50	-178.53	-176.46	-216.49	236.88	218.88	18.00	13.160		
3,750.00	3,741.16	3,739.65	3,726.05	9.17	9.58	-178.52	-178.29	-218.91	239.37	221.21	18.16	13.180		
3,780.00	3,771.07	3,769.55	3,755.79	9.25	9.67	-178.52	-180.11	-221.33	241.86	223.54	18.32	13.201		
3,810.00	3,800.97	3,799.45	3,785.53	9.33	9.76	-178.51	-181.93	-223.75	244.35	225.87	18.48	13.221		
3,840.00	3,830.87	3,829.34	3,815.27	9.41	9.85	-178.51	-183.75	-226.17	246.84	228.20	18.64	13.240		
3,870.00	3,860.77	3,859.24	3,845.02	9.50	9.94	-178.50	-185.57	-228.59	249.33	230.53	18.80	13.259		
3,900.00	3,890.67	3,889.13	3,874.76	9.58	10.03	-178.50	-187.39	-231.01	251.82	232.86	18.97	13.278		
3,930.00	3,920.57	3,919.03	3,904.50	9.66	10.11	-178.50	-189.21	-233.43	254.31	235.19	19.13	13.297		
3,960.00	3,950.48	3,948.93	3,934.24	9.74	10.20	-178.49	-191.03	-235.85	256.81	237.52	19.29	13.315		
3,990.00	3,980.38	3,978.82	3,963.99	9.82	10.29	-178.49	-192.85	-238.27	259.30	239.85	19.45	13.333		
4,020.00	4,010.28	4,008.72	3,993.73	9.90	10.38	-178.48	-194.67	-240.69	261.79	242.18	19.61	13.350		
4,050.00	4,040.18	4,038.62	4,023.47	9.98	10.47	-178.48	-196.49	-243.11	264.28	244.51	19.77	13.367		
4,080.00	4,070.08	4,068.51	4,053.22	10.06	10.56	-178.47	-198.31	-245.53	266.77	246.84	19.93	13.384		
4,110.00	4,099.98	4,098.41	4,082.96	10.14	10.65	-178.47	-200.13	-247.95	269.26	249.17	20.09	13.401		
4,140.00	4,129.89	4,128.31	4,112.70	10.22	10.73	-178.47	-201.95	-250.37	271.75	251.50	20.25	13.417		
4,170.00	4,159.79	4,158.20	4,142.44	10.30	10.82	-178.46	-203.77	-252.79	274.24	253.83	20.42	13.433		
4,200.00	4,189.69	4,188.10	4,172.19	10.38	10.91	-178.46	-205.59	-255.21	276.73	256.16	20.58	13.449		
4,230.00	4,219.59	4,218.00	4,201.93	10.46	11.00	-178.45	-207.41	-257.63	279.23	258.49	20.74	13.465		
4,260.00	4,249.49	4,247.89	4,231.67	10.54	11.09	-178.45	-209.23	-260.05	281.72	260.82	20.90	13.480		
4,290.00	4,279.39	4,277.79	4,261.41	10.62	11.18	-178.45	-211.05	-262.47	284.21	263.15	21.06	13.495		
4,320.00	4,309.30	4,307.68	4,291.16	10.71	11.27	-178.44	-212.88	-264.89	286.70	265.48	21.22	13.510		
4,350.00	4,339.20	4,337.58	4,320.90	10.79	11.36	-178.44	-214.70	-267.31	289.19	267.81	21.38	13.524		
4,380.00	4,369.10	4,367.48	4,350.64	10.87	11.44	-178.44	-216.52	-269.73	291.68	270.14	21.54	13.539		
4,410.00	4,399.00	4,397.37	4,380.38	10.95	11.53	-178.43	-218.34	-272.15	294.17	272.47	21.71	13.553		
4,440.00	4,428.90	4,427.27	4,410.13	11.03	11.62	-178.43	-220.16	-274.56	296.66	274.80	21.87	13.567		
4,470.00	4,458.80	4,457.17	4,439.87	11.11	11.71	-178.43	-221.98	-276.98	299.16	277.13	22.03	13.580		
4,500.00	4,488.71	4,487.06	4,469.61	11.19	11.80	-178.42	-223.80	-279.40	301.65	279.46	22.19	13.594		
4,530.00	4,518.61	4,516.96	4,499.35	11.27	11.89	-178.42	-225.62	-281.82	304.14	281.79	22.35	13.607		
4,560.00	4,548.51	4,546.86	4,529.10	11.35	11.98	-178.42	-227.44	-284.24	306.63	284.12	22.51	13.620		
4,590.00	4,578.41	4,576.75	4,558.84	11.43	12.07	-178.41	-229.26	-286.66	309.12	286.44	22.67	13.633		
4,620.00	4,608.31	4,606.65	4,588.58	11.51	12.15	-178.41	-231.08	-289.08	311.61	288.77	22.84	13.645		
4,650.00	4,638.21	4,636.54	4,618.33	11.59	12.24	-178.41	-232.90	-291.50	314.10	291.10	23.00	13.658		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWID													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,680.00	4,668.12	4,666.44	4,648.07	11.68	12.33	-178.41	-234.72	-293.92	316.59	293.43	23.16	13.670		
4,710.00	4,698.02	4,696.34	4,677.81	11.76	12.42	-178.40	-236.54	-296.34	319.08	295.76	23.32	13.682		
4,740.00	4,727.92	4,726.23	4,707.55	11.84	12.51	-178.40	-238.36	-298.76	321.58	298.09	23.48	13.694		
4,770.00	4,757.82	4,756.13	4,737.30	11.92	12.60	-178.40	-240.18	-301.18	324.07	300.42	23.64	13.706		
4,800.00	4,787.72	4,786.03	4,767.04	12.00	12.69	-178.39	-242.00	-303.60	326.56	302.75	23.81	13.717		
4,830.00	4,817.62	4,815.92	4,796.78	12.08	12.78	-178.39	-243.82	-306.02	329.05	305.08	23.97	13.729		
4,860.00	4,847.53	4,845.82	4,826.52	12.16	12.87	-178.39	-245.64	-308.44	331.54	307.41	24.13	13.740		
4,890.00	4,877.43	4,875.72	4,856.27	12.24	12.95	-178.39	-247.47	-310.86	334.03	309.74	24.29	13.751		
4,920.00	4,907.33	4,905.61	4,886.01	12.32	13.04	-178.38	-249.29	-313.28	336.52	312.07	24.45	13.762		
4,950.00	4,937.23	4,935.51	4,915.75	12.40	13.13	-178.38	-251.11	-315.70	339.01	314.40	24.61	13.773		
4,980.00	4,967.13	4,965.40	4,945.49	12.49	13.22	-178.38	-252.93	-318.12	341.50	316.73	24.78	13.783		
5,010.00	4,997.03	4,995.70	4,975.63	12.57	13.31	-178.37	-254.77	-320.57	343.99	319.06	24.94	13.794		
5,040.00	5,026.94	5,028.04	5,007.83	12.65	13.38	-178.37	-256.59	-322.99	346.34	321.26	25.09	13.806		
5,070.00	5,056.84	5,060.42	5,040.10	12.73	13.44	-178.41	-258.20	-325.13	348.48	323.25	25.23	13.810		
5,100.00	5,086.74	5,092.81	5,072.41	12.81	13.51	-178.50	-259.59	-326.97	350.41	325.03	25.38	13.806		
5,130.00	5,116.66	5,125.23	5,104.77	12.86	13.57	-178.59	-260.76	-328.53	352.07	326.56	25.50	13.804		
5,160.00	5,146.60	5,157.67	5,137.17	12.92	13.63	-178.68	-261.71	-329.79	353.44	327.81	25.63	13.792		
5,190.00	5,176.56	5,190.13	5,169.60	12.98	13.69	-178.77	-262.44	-330.76	354.52	328.77	25.75	13.769		
5,220.00	5,206.54	5,222.60	5,202.06	13.03	13.74	-178.85	-262.95	-331.44	355.31	329.45	25.86	13.738		
5,250.00	5,236.53	5,255.07	5,234.54	13.08	13.80	-178.93	-263.24	-331.82	355.82	329.84	25.97	13.699		
5,280.00	5,266.52	5,287.06	5,266.52	13.13	13.85	-179.01	-263.31	-331.92	356.04	329.95	26.08	13.649		
5,310.00	5,296.52	5,317.05	5,296.52	13.18	13.90	-179.06	-263.31	-331.92	356.11	329.92	26.19	13.598		
5,340.00	5,326.52	5,347.05	5,326.52	13.23	13.95	-179.06	-263.31	-331.92	356.12	331.56	24.55	14.504		
5,370.00	5,356.52	5,377.05	5,356.52	13.28	14.00	-179.06	-263.31	-331.92	356.12	331.45	24.66	14.439		
5,400.00	5,386.52	5,407.05	5,386.52	13.34	14.04	-179.06	-263.31	-331.92	356.12	331.34	24.77	14.375		
5,430.00	5,416.52	5,437.05	5,416.52	13.39	14.09	-179.06	-263.31	-331.92	356.12	331.23	24.89	14.309		
5,460.00	5,446.52	5,467.05	5,446.52	13.45	14.14	-179.06	-263.31	-331.92	356.12	331.11	25.00	14.244		
5,490.00	5,476.52	5,497.05	5,476.52	13.51	14.19	-179.06	-263.31	-331.92	356.12	331.00	25.11	14.180		
5,520.00	5,506.52	5,527.05	5,506.52	13.56	14.24	-179.06	-263.31	-331.92	356.12	330.89	25.23	14.115		
5,550.00	5,536.52	5,557.05	5,536.52	13.62	14.29	-179.06	-263.31	-331.92	356.12	330.77	25.34	14.051		
5,580.00	5,566.52	5,587.05	5,566.52	13.68	14.34	-179.06	-263.31	-331.92	356.12	330.66	25.46	13.988		
5,610.00	5,596.52	5,617.05	5,596.52	13.73	14.38	-179.06	-263.31	-331.92	356.12	330.54	25.57	13.925		
5,640.00	5,626.52	5,647.05	5,626.52	13.79	14.43	-179.06	-263.31	-331.92	356.12	330.43	25.69	13.863		
5,670.00	5,656.52	5,677.05	5,656.52	13.85	14.48	-179.06	-263.31	-331.92	356.12	330.31	25.80	13.801		
5,700.00	5,686.52	5,707.05	5,686.52	13.91	14.53	-179.06	-263.31	-331.92	356.12	330.20	25.92	13.740		
5,730.00	5,716.52	5,737.05	5,716.52	13.96	14.58	-179.06	-263.31	-331.92	356.12	330.08	26.03	13.679		
5,760.00	5,746.52	5,767.05	5,746.52	14.02	14.63	-179.06	-263.31	-331.92	356.12	329.97	26.15	13.618		
5,790.00	5,776.52	5,797.53	5,776.99	14.08	14.68	-179.10	-263.30	-331.63	356.10	329.84	26.26	13.559		
5,820.00	5,806.52	5,828.29	5,807.68	14.14	14.72	-179.43	-263.25	-329.58	356.03	329.67	26.37	13.503		
5,850.00	5,836.50	5,858.79	5,837.91	14.18	14.74	-179.94	-263.16	-325.61	355.94	327.83	28.11	12.661		
5,880.00	5,866.38	5,889.08	5,867.62	14.22	14.75	179.55	-263.03	-319.76	355.88	327.71	28.17	12.633		
5,910.00	5,896.02	5,919.16	5,896.71	14.24	14.76	179.05	-262.85	-312.09	355.85	327.64	28.21	12.614		
5,932.67	5,918.20	5,941.76	5,918.21	14.25	14.76	178.68	-262.69	-305.14	355.84	327.61	28.23	12.607		
5,940.00	5,925.32	5,949.05	5,925.07	14.25	14.76	178.57	-262.63	-302.68	355.84	327.61	28.23	12.604		
5,970.00	5,954.16	5,978.74	5,952.61	14.26	14.75	178.11	-262.38	-291.59	355.86	327.62	28.24	12.603		
6,000.00	5,982.43	6,008.25	5,979.24	14.26	14.73	177.68	-262.08	-278.90	355.91	327.68	28.23	12.607		
6,030.00	6,010.00	6,037.57	6,004.87	14.25	14.71	177.29	-261.76	-264.68	355.98	327.76	28.22	12.616		
6,060.00	6,036.79	6,066.71	6,029.44	14.24	14.69	176.94	-261.40	-249.02	356.08	327.88	28.20	12.626		
6,090.00	6,062.67	6,095.68	6,052.87	14.23	14.67	176.64	-261.00	-231.99	356.20	328.01	28.19	12.637		
6,120.00	6,087.55	6,124.49	6,075.10	14.22	14.66	176.39	-260.58	-213.68	356.34	328.16	28.18	12.644		
6,150.00	6,111.33	6,153.14	6,096.08	14.22	14.64	176.19	-260.13	-194.18	356.50	328.31	28.20	12.644		
6,180.00	6,133.91	6,181.64	6,115.74	14.23	14.63	176.05	-259.66	-173.56	356.68	328.45	28.23	12.633		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,210.00	6,155.21	6,210.00	6,134.05	14.26	14.63	175.97	-259.16	-151.92	356.87	328.57	28.30	12.609		
6,240.00	6,175.14	6,238.22	6,150.97	14.30	14.64	175.94	-258.64	-129.35	357.07	328.66	28.41	12.567		
6,270.00	6,193.63	6,266.31	6,166.46	14.37	14.66	175.97	-258.10	-105.92	357.28	328.71	28.57	12.506		
6,300.00	6,210.59	6,294.28	6,180.48	14.47	14.70	176.06	-257.54	-81.72	357.49	328.72	28.78	12.424		
6,330.00	6,225.97	6,322.15	6,193.02	14.60	14.77	176.20	-256.96	-56.85	357.70	328.66	29.05	12.315		
6,360.00	6,239.70	6,350.00	6,204.08	14.77	14.88	176.38	-256.38	-31.30	357.91	328.53	29.38	12.182		
6,390.00	6,251.73	6,377.57	6,213.54	14.97	15.04	176.63	-255.78	-5.42	358.12	328.34	29.78	12.024		
6,420.00	6,262.01	6,405.14	6,221.49	15.21	15.24	176.92	-255.17	20.97	358.32	328.06	30.25	11.844		
6,450.00	6,270.50	6,432.64	6,227.89	15.49	15.49	177.24	-254.55	47.70	358.51	327.71	30.79	11.642		
6,480.00	6,277.17	6,460.06	6,232.73	15.81	15.77	177.61	-253.93	74.69	358.68	327.28	31.40	11.422		
6,510.00	6,281.99	6,487.43	6,236.01	16.17	16.10	178.00	-253.30	101.84	358.84	326.77	32.07	11.189		
6,540.00	6,284.94	6,514.74	6,237.73	16.55	16.46	178.42	-252.68	129.09	358.98	326.18	32.80	10.946		
6,570.00	6,286.01	6,542.82	6,237.94	16.96	16.85	178.72	-252.03	157.16	359.09	325.50	33.59	10.690		
6,600.00	6,285.79	6,572.82	6,237.77	17.40	17.32	178.72	-251.34	187.15	359.08	324.60	34.48	10.414		
6,630.00	6,285.53	6,602.82	6,237.59	17.90	17.78	178.72	-250.65	217.14	359.07	323.64	35.44	10.133		
6,660.00	6,285.27	6,632.82	6,237.42	18.39	18.32	178.72	-249.95	247.13	359.06	322.61	36.46	9.849		
6,690.00	6,285.00	6,662.82	6,237.24	18.89	18.85	178.72	-249.26	277.12	359.05	321.58	37.48	9.580		
6,720.00	6,284.74	6,692.82	6,237.07	19.44	19.39	178.72	-248.57	307.12	359.04	320.50	38.55	9.315		
6,750.00	6,284.48	6,722.82	6,236.89	20.01	19.97	178.72	-247.88	337.11	359.03	319.34	39.69	9.046		
6,780.00	6,284.22	6,752.82	6,236.72	20.58	20.57	178.72	-247.19	367.10	359.02	318.18	40.85	8.789		
6,810.00	6,283.96	6,782.82	6,236.54	21.17	21.17	178.72	-246.50	397.09	359.01	316.99	42.02	8.543		
6,840.00	6,283.69	6,812.82	6,236.37	21.79	21.80	178.72	-245.80	427.08	359.00	315.74	43.26	8.299		
6,870.00	6,283.43	6,842.82	6,236.19	22.42	22.44	178.72	-245.11	457.07	358.99	314.47	44.52	8.063		
6,900.00	6,283.17	6,872.82	6,236.01	23.05	23.09	178.72	-244.42	487.06	358.98	313.20	45.79	7.840		
6,930.00	6,282.91	6,902.82	6,235.84	23.71	23.75	178.72	-243.73	517.06	358.97	311.88	47.09	7.622		
6,960.00	6,282.65	6,932.82	6,235.66	24.38	24.43	178.72	-243.04	547.05	358.96	310.53	48.44	7.411		
6,990.00	6,282.38	6,962.82	6,235.49	25.05	25.12	178.72	-242.35	577.04	358.95	309.17	49.78	7.211		
7,020.00	6,282.12	6,992.82	6,235.31	25.74	25.81	178.72	-241.65	607.03	358.94	307.80	51.14	7.019		
7,050.00	6,281.86	7,022.82	6,235.14	26.44	26.51	178.72	-240.96	637.02	358.93	306.40	52.54	6.832		
7,080.00	6,281.60	7,052.82	6,234.96	27.14	27.23	178.72	-240.27	667.01	358.92	304.98	53.94	6.654		
7,110.00	6,281.34	7,082.82	6,234.79	27.84	27.94	178.72	-239.58	697.00	358.91	303.56	55.35	6.485		
7,140.00	6,281.08	7,112.82	6,234.61	28.57	28.66	178.72	-238.89	726.99	358.90	302.12	56.78	6.321		
7,170.00	6,280.81	7,142.81	6,234.44	29.29	29.40	178.72	-238.20	756.99	358.89	300.66	58.23	6.163		
7,200.00	6,280.55	7,172.81	6,234.26	30.01	30.13	178.72	-237.51	786.98	358.88	299.20	59.68	6.014		
7,230.00	6,280.29	7,202.81	6,234.09	30.76	30.87	178.72	-236.81	816.97	358.87	297.73	61.15	5.869		
7,260.00	6,280.03	7,232.81	6,233.91	31.50	31.62	178.72	-236.12	846.96	358.86	296.23	62.63	5.730		
7,290.00	6,279.77	7,262.81	6,233.73	32.24	32.37	178.72	-235.43	876.95	358.85	294.74	64.11	5.597		
7,320.00	6,279.50	7,292.81	6,233.56	32.99	33.12	178.72	-234.74	906.94	358.84	293.24	65.61	5.470		
7,350.00	6,279.24	7,322.81	6,233.38	33.75	33.89	178.72	-234.05	936.93	358.83	291.72	67.11	5.347		
7,380.00	6,278.98	7,352.81	6,233.21	34.51	34.65	178.72	-233.36	966.93	358.82	290.20	68.63	5.229		
7,410.00	6,278.72	7,382.81	6,233.03	35.27	35.42	178.72	-232.66	996.92	358.81	288.67	70.14	5.115		
7,440.00	6,278.46	7,412.81	6,232.86	36.04	36.18	178.72	-231.97	1,026.91	358.80	287.13	71.67	5.006		
7,470.00	6,278.20	7,442.81	6,232.68	36.81	36.96	178.72	-231.28	1,056.90	358.79	285.59	73.21	4.901		
7,500.00	6,277.93	7,472.81	6,232.51	37.58	37.74	178.72	-230.59	1,086.89	358.78	284.04	74.74	4.800		
7,530.00	6,277.67	7,502.81	6,232.33	38.36	38.51	178.72	-229.90	1,116.88	358.77	282.49	76.28	4.703		
7,560.00	6,277.41	7,532.81	6,232.16	39.14	39.30	178.72	-229.21	1,146.87	358.76	280.93	77.84	4.609		
7,590.00	6,277.15	7,562.81	6,231.98	39.91	40.08	178.72	-228.51	1,176.87	358.75	279.36	79.39	4.519		
7,620.00	6,276.89	7,592.81	6,231.80	40.70	40.86	178.72	-227.82	1,206.86	358.74	277.80	80.95	4.432		
7,650.00	6,276.62	7,622.81	6,231.63	41.49	41.65	178.72	-227.13	1,236.85	358.73	276.22	82.52	4.347		
7,680.00	6,276.36	7,652.81	6,231.45	42.27	42.44	178.72	-226.44	1,266.84	358.73	274.64	84.08	4.266		
7,710.00	6,276.10	7,682.81	6,231.28	43.06	43.23	178.72	-225.75	1,296.83	358.72	273.06	85.65	4.188		
7,740.00	6,275.84	7,712.81	6,231.10	43.85	44.03	178.72	-225.06	1,326.82	358.71	271.47	87.23	4.112		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,770.00	6,275.58	7,742.81	6,230.93	44.65	44.83	178.72	-224.36	1,356.81	358.70	269.88	88.81	4.039		
7,800.00	6,275.31	7,772.81	6,230.75	45.44	45.62	178.72	-223.67	1,386.81	358.69	268.29	90.39	3.968		
7,830.00	6,275.05	7,802.81	6,230.58	46.24	46.42	178.72	-222.98	1,416.80	358.68	266.70	91.98	3.900		
7,860.00	6,274.79	7,832.81	6,230.40	47.04	47.22	178.72	-222.29	1,446.79	358.67	265.10	93.57	3.833		
7,890.00	6,274.53	7,862.81	6,230.23	47.84	48.02	178.72	-221.60	1,476.78	358.66	263.50	95.16	3.769		
7,920.00	6,274.27	7,892.81	6,230.05	48.64	48.83	178.72	-220.91	1,506.77	358.65	261.89	96.76	3.707		
7,950.00	6,274.01	7,922.81	6,229.88	49.44	49.63	178.72	-220.21	1,536.76	358.64	260.28	98.36	3.646		
7,980.00	6,273.74	7,952.81	6,229.70	50.25	50.44	178.72	-219.52	1,566.75	358.63	258.67	99.96	3.588		
8,010.00	6,273.48	7,982.81	6,229.52	51.05	51.24	178.72	-218.83	1,596.75	358.62	257.06	101.56	3.531		
8,040.00	6,273.22	8,012.81	6,229.35	51.86	52.05	178.72	-218.14	1,626.74	358.61	255.45	103.16	3.476		
8,070.00	6,272.96	8,042.81	6,229.17	52.67	52.86	178.72	-217.45	1,656.73	358.60	253.83	104.77	3.423		
8,100.00	6,272.70	8,072.81	6,229.00	53.47	53.67	178.72	-216.76	1,686.72	358.59	252.21	106.38	3.371		
8,130.00	6,272.43	8,102.81	6,228.82	54.28	54.48	178.72	-216.06	1,716.71	358.58	250.59	107.99	3.320		
8,160.00	6,272.17	8,132.81	6,228.65	55.09	55.29	178.72	-215.37	1,746.70	358.57	248.97	109.61	3.271		
8,190.00	6,271.91	8,162.81	6,228.47	55.90	56.10	178.72	-214.68	1,776.69	358.57	247.34	111.22	3.224		
8,220.00	6,271.65	8,192.81	6,228.30	56.72	56.92	178.72	-213.99	1,806.68	358.56	245.72	112.84	3.178		
8,250.00	6,271.39	8,222.81	6,228.12	57.53	57.73	178.72	-213.30	1,836.68	358.55	244.09	114.46	3.133		
8,280.00	6,271.12	8,252.81	6,227.95	58.34	58.55	178.72	-212.61	1,866.67	358.54	242.46	116.08	3.089		
8,310.00	6,270.86	8,282.81	6,227.77	59.16	59.36	178.72	-211.92	1,896.66	358.53	240.83	117.70	3.046		
8,340.00	6,270.60	8,312.81	6,227.60	59.97	60.18	178.72	-211.22	1,926.65	358.52	239.19	119.32	3.005		
8,370.00	6,270.34	8,342.81	6,227.42	60.79	60.99	178.72	-210.53	1,956.64	358.51	237.56	120.95	2.964		
8,400.00	6,270.08	8,372.81	6,227.24	61.61	61.81	178.72	-209.84	1,986.63	358.50	235.93	122.58	2.925		
8,430.00	6,269.82	8,402.81	6,227.07	62.42	62.63	178.72	-209.15	2,016.62	358.49	234.29	124.20	2.886		
8,460.00	6,269.55	8,432.81	6,226.89	63.24	63.45	178.72	-208.46	2,046.62	358.48	232.65	125.83	2.849		
8,490.00	6,269.29	8,462.81	6,226.72	64.06	64.27	178.72	-207.77	2,076.61	358.47	231.01	127.46	2.812		
8,520.00	6,269.03	8,492.81	6,226.54	64.88	65.09	178.72	-207.07	2,106.60	358.46	229.37	129.09	2.777		
8,550.00	6,268.77	8,522.81	6,226.37	65.70	65.91	178.72	-206.38	2,136.59	358.46	227.73	130.73	2.742		
8,580.00	6,268.51	8,552.81	6,226.19	66.52	66.73	178.72	-205.69	2,166.58	358.45	226.08	132.36	2.708		
8,610.00	6,268.24	8,582.81	6,226.02	67.34	67.55	178.72	-205.00	2,196.57	358.44	224.44	134.00	2.675		
8,640.00	6,267.98	8,612.81	6,225.84	68.16	68.37	178.72	-204.31	2,226.56	358.43	222.80	135.63	2.643		
8,670.00	6,267.72	8,642.81	6,225.67	68.98	69.20	178.72	-203.62	2,256.56	358.42	221.15	137.27	2.611		
8,700.00	6,267.46	8,672.81	6,225.49	69.81	70.02	178.72	-202.92	2,286.55	358.41	219.50	138.91	2.580		
8,730.00	6,267.20	8,702.81	6,225.31	70.63	70.84	178.72	-202.23	2,316.54	358.40	217.86	140.55	2.550		
8,760.00	6,266.94	8,732.81	6,225.14	71.45	71.67	178.72	-201.54	2,346.53	358.39	216.21	142.19	2.521		
8,790.00	6,266.67	8,762.81	6,224.96	72.28	72.49	178.72	-200.85	2,376.52	358.38	214.56	143.83	2.492		
8,820.00	6,266.41	8,792.81	6,224.79	73.10	73.32	178.72	-200.16	2,406.51	358.38	212.91	145.47	2.464		
8,850.00	6,266.15	8,822.81	6,224.61	73.92	74.14	178.72	-199.47	2,436.50	358.37	211.25	147.11	2.436		
8,880.00	6,265.89	8,852.81	6,224.44	74.75	74.97	178.72	-198.77	2,466.50	358.36	209.60	148.76	2.409		
8,910.00	6,265.63	8,882.81	6,224.26	75.57	75.79	178.72	-198.08	2,496.49	358.35	207.95	150.40	2.383		
8,940.00	6,265.36	8,912.81	6,224.09	76.40	76.62	178.72	-197.39	2,526.48	358.34	206.30	152.04	2.357		
8,970.00	6,265.10	8,942.81	6,223.91	77.22	77.44	178.72	-196.70	2,556.47	358.33	204.64	153.69	2.332		
9,000.00	6,264.84	8,972.81	6,223.74	78.05	78.27	178.72	-196.01	2,586.46	358.32	202.99	155.34	2.307		
9,030.00	6,264.58	9,002.81	6,223.56	78.88	79.10	178.72	-195.32	2,616.45	358.31	201.33	156.98	2.282		
9,060.00	6,264.32	9,032.81	6,223.39	79.70	79.93	178.72	-194.62	2,646.44	358.31	199.67	158.63	2.259		
9,090.00	6,264.05	9,062.81	6,223.21	80.53	80.75	178.72	-193.93	2,676.44	358.30	198.02	160.28	2.235		
9,120.00	6,263.79	9,092.81	6,223.03	81.36	81.58	178.72	-193.24	2,706.43	358.29	196.36	161.93	2.213		
9,150.00	6,263.53	9,122.81	6,222.86	82.19	82.41	178.72	-192.55	2,736.42	358.28	194.70	163.58	2.190		
9,180.00	6,263.27	9,152.81	6,222.68	83.01	83.24	178.72	-191.86	2,766.41	358.27	193.04	165.23	2.168		
9,210.00	6,263.01	9,182.81	6,222.51	83.84	84.07	178.72	-191.17	2,796.40	358.26	191.38	166.88	2.147		
9,240.00	6,262.75	9,212.81	6,222.33	84.67	84.89	178.72	-190.48	2,826.39	358.25	189.72	168.53	2.126		
9,270.00	6,262.48	9,242.81	6,222.16	85.50	85.72	178.72	-189.78	2,856.38	358.25	188.06	170.18	2.105		
9,300.00	6,262.22	9,272.81	6,221.98	86.33	86.55	178.72	-189.09	2,886.37	358.24	186.40	171.84	2.085		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,330.00	6,261.96	9,302.81	6,221.81	87.16	87.38	178.72	-188.40	2,916.37	358.23	184.74	173.49	2.065		
9,360.00	6,261.70	9,332.81	6,221.63	87.99	88.21	178.72	-187.71	2,946.36	358.22	183.08	175.14	2.045		
9,390.00	6,261.44	9,362.81	6,221.46	88.82	89.04	178.72	-187.02	2,976.35	358.21	181.41	176.80	2.026		
9,420.00	6,261.17	9,392.81	6,221.28	89.65	89.87	178.72	-186.33	3,006.34	358.20	179.75	178.45	2.007		
9,450.00	6,260.91	9,422.81	6,221.10	90.48	90.70	178.72	-185.63	3,036.33	358.19	178.09	180.11	1.989		
9,480.00	6,260.65	9,452.81	6,220.93	91.31	91.53	178.72	-184.94	3,066.32	358.19	176.42	181.76	1.971		
9,510.00	6,260.39	9,482.81	6,220.75	92.14	92.36	178.72	-184.25	3,096.31	358.18	174.76	183.42	1.953		
9,540.00	6,260.13	9,512.81	6,220.58	92.97	93.20	178.72	-183.56	3,126.31	358.17	173.09	185.08	1.935		
9,570.00	6,259.87	9,542.81	6,220.40	93.80	94.03	178.72	-182.87	3,156.30	358.16	171.43	186.73	1.918		
9,600.00	6,259.60	9,572.80	6,220.23	94.63	94.86	178.72	-182.18	3,186.29	358.15	169.76	188.39	1.901		
9,630.00	6,259.34	9,602.80	6,220.05	95.46	95.69	178.72	-181.48	3,216.28	358.14	168.10	190.05	1.884		
9,660.00	6,259.08	9,632.80	6,219.88	96.29	96.52	178.72	-180.79	3,246.27	358.14	166.43	191.71	1.868		
9,690.00	6,258.82	9,662.80	6,219.70	97.12	97.35	178.72	-180.10	3,276.26	358.13	164.76	193.37	1.852		
9,720.00	6,258.56	9,692.80	6,219.53	97.96	98.19	178.72	-179.41	3,306.25	358.12	163.10	195.02	1.836		
9,750.00	6,258.29	9,722.80	6,219.35	98.79	99.02	178.72	-178.72	3,336.25	358.11	161.43	196.68	1.821		
9,780.00	6,258.03	9,752.80	6,219.18	99.62	99.85	178.72	-178.03	3,366.24	358.10	159.76	198.34	1.805		
9,810.00	6,257.77	9,782.80	6,219.00	100.45	100.68	178.72	-177.33	3,396.23	358.10	158.09	200.00	1.790		
9,840.00	6,257.51	9,812.80	6,218.82	101.28	101.52	178.72	-176.64	3,426.22	358.09	156.42	201.66	1.776		
9,870.00	6,257.25	9,842.80	6,218.65	102.12	102.35	178.72	-175.95	3,456.21	358.08	154.75	203.33	1.761		
9,900.00	6,256.98	9,872.80	6,218.47	102.95	103.18	178.72	-175.26	3,486.20	358.07	153.08	204.99	1.747		
9,930.00	6,256.72	9,902.80	6,218.30	103.78	104.01	178.72	-174.57	3,516.19	358.06	151.41	206.65	1.733		
9,960.00	6,256.46	9,932.80	6,218.12	104.62	104.85	178.72	-173.88	3,546.19	358.06	149.74	208.31	1.719		
9,990.00	6,256.20	9,962.80	6,217.95	105.45	105.68	178.71	-173.18	3,576.18	358.05	148.07	209.97	1.705		
10,020.00	6,255.94	9,992.80	6,217.77	106.28	106.51	178.71	-172.49	3,606.17	358.04	146.40	211.64	1.692		
10,050.00	6,255.68	10,022.80	6,217.60	107.12	107.35	178.71	-171.80	3,636.16	358.03	144.73	213.30	1.679		
10,080.00	6,255.41	10,052.80	6,217.42	107.95	108.18	178.71	-171.11	3,666.15	358.02	143.06	214.96	1.666		
10,110.00	6,255.15	10,082.80	6,217.25	108.78	109.02	178.71	-170.42	3,696.14	358.02	141.39	216.63	1.653		
10,140.00	6,254.89	10,112.80	6,217.07	109.62	109.85	178.71	-169.73	3,726.13	358.01	139.72	218.29	1.640		
10,170.00	6,254.63	10,142.80	6,216.89	110.45	110.68	178.71	-169.03	3,756.13	358.00	138.05	219.95	1.628		
10,200.00	6,254.37	10,172.80	6,216.72	111.28	111.52	178.71	-168.34	3,786.12	357.99	136.37	221.62	1.615		
10,230.00	6,254.10	10,202.80	6,216.54	112.12	112.35	178.71	-167.65	3,816.11	357.98	134.70	223.28	1.603		
10,260.00	6,253.84	10,232.80	6,216.37	112.95	113.19	178.71	-166.96	3,846.10	357.98	133.03	224.95	1.591		
10,290.00	6,253.58	10,262.80	6,216.19	113.79	114.02	178.71	-166.27	3,876.09	357.97	131.35	226.61	1.580		
10,320.00	6,253.32	10,292.80	6,216.02	114.62	114.86	178.71	-165.58	3,906.08	357.96	129.68	228.28	1.568		
10,350.00	6,253.06	10,322.80	6,215.84	115.46	115.69	178.71	-164.89	3,936.07	357.95	128.01	229.94	1.557		
10,380.00	6,252.79	10,352.80	6,215.67	116.29	116.53	178.71	-164.19	3,966.06	357.94	126.33	231.61	1.545		
10,410.00	6,252.53	10,382.80	6,215.49	117.12	117.36	178.71	-163.50	3,996.06	357.94	124.66	233.28	1.534		
10,440.00	6,252.27	10,412.80	6,215.32	117.96	118.20	178.71	-162.81	4,026.05	357.93	122.99	234.94	1.523		
10,470.00	6,252.01	10,442.80	6,215.14	118.79	119.03	178.71	-162.12	4,056.04	357.92	121.31	236.61	1.513		
10,500.00	6,251.75	10,472.80	6,214.97	119.63	119.87	178.71	-161.43	4,086.03	357.91	119.64	238.28	1.502		
10,530.00	6,251.49	10,502.80	6,214.79	120.46	120.70	178.71	-160.74	4,116.02	357.91	117.96	239.95	1.492 Level 3		
10,560.00	6,251.22	10,532.80	6,214.61	121.30	121.54	178.71	-160.04	4,146.01	357.90	116.29	241.61	1.481 Level 3		
10,590.00	6,250.96	10,562.80	6,214.44	122.13	122.37	178.71	-159.35	4,176.00	357.89	114.61	243.28	1.471 Level 3		
10,620.00	6,250.70	10,592.80	6,214.26	122.97	123.21	178.71	-158.66	4,206.00	357.88	112.93	244.95	1.461 Level 3		
10,650.00	6,250.44	10,622.80	6,214.09	123.81	124.04	178.71	-157.97	4,235.99	357.88	111.26	246.62	1.451 Level 3		
10,680.00	6,250.18	10,652.80	6,213.91	124.64	124.88	178.71	-157.28	4,265.98	357.87	109.58	248.29	1.441 Level 3		
10,710.00	6,249.91	10,682.80	6,213.74	125.48	125.71	178.71	-156.59	4,295.97	357.86	107.91	249.95	1.432 Level 3		
10,740.00	6,249.65	10,712.80	6,213.56	126.31	126.55	178.71	-155.89	4,325.96	357.85	106.23	251.62	1.422 Level 3		
10,770.00	6,249.39	10,742.80	6,213.39	127.15	127.39	178.71	-155.20	4,355.95	357.85	104.55	253.29	1.413 Level 3		
10,800.00	6,249.13	10,772.80	6,213.21	127.98	128.22	178.71	-154.51	4,385.94	357.84	102.88	254.96	1.403 Level 3		
10,830.00	6,248.87	10,802.80	6,213.04	128.82	129.06	178.71	-153.82	4,415.94	357.83	101.20	256.63	1.394 Level 3		
10,860.00	6,248.61	10,832.80	6,212.86	129.66	129.89	178.71	-153.13	4,445.93	357.82	99.52	258.30	1.385 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,890.00	6,248.34	10,862.80	6,212.68	130.49	130.73	178.71	-152.44	4,475.92	357.82	97.84	259.97	1.376	Level 3	
10,920.00	6,248.08	10,892.80	6,212.51	131.33	131.57	178.71	-151.74	4,505.91	357.81	96.17	261.64	1.368	Level 3	
10,950.00	6,247.82	10,922.80	6,212.33	132.16	132.40	178.71	-151.05	4,535.90	357.80	94.49	263.31	1.359	Level 3	
10,980.00	6,247.56	10,952.80	6,212.16	133.00	133.24	178.71	-150.36	4,565.89	357.79	92.81	264.98	1.350	Level 3	
11,010.00	6,247.30	10,982.80	6,211.98	133.84	134.08	178.71	-149.67	4,595.88	357.79	91.13	266.65	1.342	Level 3	
11,040.00	6,247.03	11,012.80	6,211.81	134.67	134.91	178.71	-148.98	4,625.88	357.78	89.46	268.32	1.333	Level 3	
11,070.00	6,246.77	11,042.80	6,211.63	135.51	135.75	178.71	-148.29	4,655.87	357.77	87.78	270.00	1.325	Level 3	
11,100.00	6,246.51	11,072.80	6,211.46	136.34	136.58	178.71	-147.59	4,685.86	357.76	86.10	271.67	1.317	Level 3	
11,130.00	6,246.25	11,102.80	6,211.28	137.18	137.42	178.71	-146.90	4,715.85	357.76	84.42	273.34	1.309	Level 3	
11,160.00	6,245.99	11,132.80	6,211.11	138.02	138.26	178.71	-146.21	4,745.84	357.75	82.74	275.01	1.301	Level 3	
11,190.00	6,245.72	11,162.80	6,210.93	138.85	139.09	178.71	-145.52	4,775.83	357.74	81.06	276.68	1.293	Level 3	
11,220.00	6,245.46	11,192.80	6,210.76	139.69	139.93	178.71	-144.83	4,805.82	357.74	79.38	278.35	1.285	Level 3	
11,250.00	6,245.20	11,222.80	6,210.58	140.53	140.77	178.71	-144.14	4,835.82	357.73	77.70	280.03	1.277	Level 3	
11,280.00	6,244.94	11,252.80	6,210.40	141.36	141.61	178.71	-143.44	4,865.81	357.72	76.02	281.70	1.270	Level 3	
11,310.00	6,244.68	11,282.80	6,210.23	142.20	142.44	178.71	-142.75	4,895.80	357.71	74.34	283.37	1.262	Level 3	
11,340.00	6,244.42	11,312.80	6,210.05	143.04	143.28	178.71	-142.06	4,925.79	357.71	72.66	285.04	1.255	Level 3	
11,370.00	6,244.15	11,342.80	6,209.88	143.88	144.12	178.71	-141.37	4,955.78	357.70	70.98	286.72	1.248	Level 2	
11,400.00	6,243.89	11,372.80	6,209.70	144.71	144.95	178.71	-140.68	4,985.77	357.69	69.30	288.39	1.240	Level 2	
11,430.00	6,243.63	11,402.80	6,209.53	145.55	145.79	178.71	-139.99	5,015.76	357.69	67.62	290.06	1.233	Level 2	
11,460.00	6,243.37	11,432.80	6,209.35	146.39	146.63	178.71	-139.30	5,045.76	357.68	65.94	291.74	1.226	Level 2	
11,490.00	6,243.11	11,462.80	6,209.18	147.22	147.47	178.71	-138.60	5,075.75	357.67	64.26	293.41	1.219	Level 2	
11,520.00	6,242.84	11,492.80	6,209.00	148.06	148.30	178.71	-137.91	5,105.74	357.67	62.58	295.08	1.212	Level 2	
11,550.00	6,242.58	11,522.80	6,208.83	148.90	149.14	178.71	-137.22	5,135.73	357.66	60.90	296.76	1.205	Level 2	
11,580.00	6,242.32	11,552.80	6,208.65	149.74	149.98	178.71	-136.53	5,165.72	357.65	59.22	298.43	1.198	Level 2	
11,610.00	6,242.06	11,582.80	6,208.47	150.57	150.82	178.71	-135.84	5,195.71	357.64	57.54	300.10	1.192	Level 2	
11,640.00	6,241.80	11,612.80	6,208.30	151.41	151.65	178.71	-135.15	5,225.70	357.64	55.86	301.78	1.185	Level 2	
11,670.00	6,241.53	11,642.80	6,208.12	152.25	152.49	178.71	-134.45	5,255.69	357.63	54.18	303.45	1.179	Level 2	
11,700.00	6,241.27	11,672.80	6,207.95	153.08	153.33	178.71	-133.76	5,285.69	357.62	52.50	305.13	1.172	Level 2	
11,730.00	6,241.01	11,702.80	6,207.77	153.92	154.17	178.71	-133.07	5,315.68	357.62	50.82	306.80	1.166	Level 2	
11,760.00	6,240.75	11,732.80	6,207.60	154.76	155.00	178.71	-132.38	5,345.67	357.61	49.13	308.48	1.159	Level 2	
11,790.00	6,240.49	11,762.80	6,207.42	155.60	155.84	178.71	-131.69	5,375.66	357.60	47.45	310.15	1.153	Level 2	
11,820.00	6,240.23	11,792.80	6,207.25	156.44	156.68	178.71	-131.00	5,405.65	357.60	45.77	311.83	1.147	Level 2	
11,850.00	6,239.96	11,822.80	6,207.07	157.27	157.52	178.71	-130.30	5,435.64	357.59	44.09	313.50	1.141	Level 2	
11,880.00	6,239.70	11,852.80	6,206.90	158.11	158.35	178.71	-129.61	5,465.63	357.58	42.41	315.18	1.135	Level 2	
11,910.00	6,239.44	11,882.80	6,206.72	158.95	159.19	178.71	-128.92	5,495.63	357.58	40.72	316.85	1.129	Level 2	
11,940.00	6,239.18	11,912.80	6,206.55	159.79	160.03	178.71	-128.23	5,525.62	357.57	39.04	318.53	1.123	Level 2	
11,970.00	6,238.92	11,942.80	6,206.37	160.62	160.87	178.71	-127.54	5,555.61	357.56	37.36	320.20	1.117	Level 2	
12,000.00	6,238.65	11,972.80	6,206.19	161.46	161.71	178.71	-126.85	5,585.60	357.56	35.68	321.88	1.111	Level 2	
12,030.00	6,238.39	12,002.79	6,206.02	162.30	162.54	178.71	-126.15	5,615.59	357.55	34.00	323.55	1.105	Level 2	
12,060.00	6,238.13	12,032.79	6,205.84	163.14	163.38	178.71	-125.46	5,645.58	357.54	32.31	325.23	1.099	Level 2	
12,090.00	6,237.87	12,062.79	6,205.67	163.98	164.22	178.71	-124.77	5,675.57	357.54	30.63	326.91	1.094	Level 2	
12,120.00	6,237.61	12,092.79	6,205.49	164.81	165.06	178.71	-124.08	5,705.57	357.53	28.95	328.58	1.088	Level 2	
12,150.00	6,237.35	12,122.79	6,205.32	165.65	165.90	178.71	-123.39	5,735.56	357.52	27.26	330.26	1.083	Level 2	
12,180.00	6,237.08	12,152.79	6,205.14	166.49	166.73	178.71	-122.70	5,765.55	357.52	25.58	331.94	1.077	Level 2	
12,210.00	6,236.82	12,182.79	6,204.97	167.33	167.57	178.71	-122.00	5,795.54	357.51	23.90	333.61	1.072	Level 2	
12,240.00	6,236.56	12,212.79	6,204.79	168.17	168.41	178.71	-121.31	5,825.53	357.50	22.22	335.29	1.066	Level 2	
12,270.00	6,236.30	12,242.79	6,204.62	169.00	169.25	178.71	-120.62	5,855.52	357.50	20.53	336.97	1.061	Level 2	
12,300.00	6,236.04	12,272.79	6,204.44	169.84	170.09	178.71	-119.93	5,885.51	357.49	18.85	338.64	1.056	Level 2	
12,330.00	6,235.77	12,302.79	6,204.26	170.68	170.93	178.71	-119.24	5,915.51	357.49	17.16	340.32	1.050	Level 2	
12,360.00	6,235.51	12,332.79	6,204.09	171.52	171.76	178.71	-118.55	5,945.50	357.48	15.48	342.00	1.045	Level 2	
12,390.00	6,235.25	12,362.79	6,203.91	172.36	172.60	178.71	-117.86	5,975.49	357.47	13.80	343.67	1.040	Level 2	
12,420.00	6,234.99	12,392.79	6,203.74	173.20	173.44	178.71	-117.16	6,005.48	357.47	12.11	345.35	1.035	Level 2	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,450.00	6,234.73	12,422.79	6,203.56	174.03	174.28	178.71	-116.47	6,035.47	357.46	10.43	347.03	1.030	Level 2	
12,480.00	6,234.46	12,452.79	6,203.39	174.87	175.12	178.71	-115.78	6,065.46	357.45	8.75	348.71	1.025	Level 2	
12,510.00	6,234.20	12,482.79	6,203.21	175.71	175.96	178.71	-115.09	6,095.45	357.45	7.06	350.39	1.020	Level 2	
12,540.00	6,233.94	12,512.79	6,203.04	176.55	176.79	178.71	-114.40	6,125.45	357.44	5.38	352.06	1.015	Level 2	
12,570.00	6,233.68	12,542.79	6,202.86	177.39	177.63	178.71	-113.71	6,155.44	357.43	3.69	353.74	1.010	Level 2	
12,600.00	6,233.42	12,572.79	6,202.69	178.23	178.47	178.71	-113.01	6,185.43	357.43	2.01	355.42	1.006	Level 2	
12,630.00	6,233.16	12,602.79	6,202.51	179.06	179.31	178.71	-112.32	6,215.42	357.42	0.33	357.10	1.001	Level 2	
12,660.00	6,232.89	12,632.79	6,202.34	179.90	180.15	178.71	-111.63	6,245.41	357.42	-1.36	358.78	0.996	Level 1	
12,690.00	6,232.63	12,662.79	6,202.16	180.74	180.99	178.71	-110.94	6,275.40	357.41	-3.04	360.45	0.992	Level 1	
12,720.00	6,232.37	12,692.79	6,201.98	181.58	181.83	178.71	-110.25	6,305.39	357.40	-4.73	362.13	0.987	Level 1	
12,750.00	6,232.11	12,722.79	6,201.81	182.42	182.67	178.71	-109.56	6,335.38	357.40	-6.41	363.81	0.982	Level 1	
12,780.00	6,231.85	12,752.79	6,201.63	183.26	183.50	178.71	-108.86	6,365.38	357.39	-8.10	365.49	0.978	Level 1	
12,810.00	6,231.58	12,782.79	6,201.46	184.10	184.34	178.71	-108.17	6,395.37	357.39	-9.78	367.17	0.973	Level 1	
12,840.00	6,231.32	12,812.79	6,201.28	184.93	185.18	178.71	-107.48	6,425.36	357.38	-11.47	368.85	0.969	Level 1	
12,870.00	6,231.06	12,842.79	6,201.11	185.77	186.02	178.71	-106.79	6,455.35	357.37	-13.15	370.53	0.965	Level 1	
12,900.00	6,230.80	12,872.79	6,200.93	186.61	186.86	178.71	-106.10	6,485.34	357.37	-14.84	372.20	0.960	Level 1	
12,930.00	6,230.54	12,902.79	6,200.76	187.45	187.70	178.71	-105.41	6,515.33	357.36	-16.52	373.88	0.956	Level 1	
12,960.00	6,230.27	12,932.79	6,200.58	188.29	188.54	178.71	-104.71	6,545.32	357.36	-18.21	375.56	0.952	Level 1	
12,990.00	6,230.01	12,962.79	6,200.41	189.13	189.38	178.71	-104.02	6,575.32	357.35	-19.89	377.24	0.947	Level 1	
13,020.00	6,229.75	12,992.79	6,200.23	189.97	190.22	178.71	-103.33	6,605.31	357.34	-21.58	378.92	0.943	Level 1	
13,050.00	6,229.49	13,022.79	6,200.05	190.81	191.05	178.71	-102.64	6,635.30	357.34	-23.26	380.60	0.939	Level 1	
13,080.00	6,229.23	13,052.79	6,199.88	191.64	191.89	178.71	-101.95	6,665.29	357.33	-24.95	382.28	0.935	Level 1	
13,110.00	6,228.97	13,082.79	6,199.70	192.48	192.73	178.71	-101.26	6,695.28	357.33	-26.63	383.96	0.931	Level 1	
13,140.00	6,228.70	13,112.79	6,199.53	193.32	193.57	178.71	-100.56	6,725.27	357.32	-28.32	385.64	0.927	Level 1	
13,170.00	6,228.44	13,142.79	6,199.35	194.16	194.41	178.71	-99.87	6,755.26	357.31	-30.00	387.32	0.923	Level 1	
13,200.00	6,228.18	13,172.79	6,199.18	195.00	195.25	178.71	-99.18	6,785.26	357.31	-31.69	389.00	0.919	Level 1	
13,230.00	6,227.92	13,202.79	6,199.00	195.84	196.09	178.71	-98.49	6,815.25	357.30	-33.38	390.68	0.915	Level 1	
13,260.00	6,227.66	13,232.79	6,198.83	196.68	196.93	178.71	-97.80	6,845.24	357.30	-35.06	392.36	0.911	Level 1	
13,290.00	6,227.39	13,262.79	6,198.65	197.52	197.77	178.71	-97.11	6,875.23	357.29	-36.75	394.04	0.907	Level 1	
13,320.00	6,227.13	13,292.79	6,198.48	198.36	198.61	178.71	-96.41	6,905.22	357.29	-38.43	395.72	0.903	Level 1	
13,350.00	6,226.87	13,322.79	6,198.30	199.20	199.44	178.71	-95.72	6,935.21	357.28	-40.12	397.40	0.899	Level 1	
13,380.00	6,226.61	13,352.79	6,198.13	200.03	200.28	178.71	-95.03	6,965.20	357.27	-41.81	399.08	0.895	Level 1	
13,410.00	6,226.35	13,382.79	6,197.95	200.87	201.12	178.71	-94.34	6,995.20	357.27	-43.49	400.76	0.891	Level 1	
13,440.00	6,226.09	13,412.79	6,197.77	201.71	201.96	178.71	-93.65	7,025.19	357.26	-45.18	402.44	0.888	Level 1	
13,470.00	6,225.82	13,442.79	6,197.60	202.55	202.80	178.71	-92.96	7,055.18	357.26	-46.86	404.12	0.884	Level 1	
13,500.00	6,225.56	13,472.79	6,197.42	203.39	203.64	178.71	-92.27	7,085.17	357.25	-48.55	405.80	0.880	Level 1	
13,530.00	6,225.30	13,502.79	6,197.25	204.23	204.48	178.71	-91.57	7,115.16	357.25	-50.24	407.48	0.877	Level 1	
13,560.00	6,225.04	13,532.79	6,197.07	205.07	205.32	178.71	-90.88	7,145.15	357.24	-51.92	409.16	0.873	Level 1	
13,590.00	6,224.78	13,562.79	6,196.90	205.91	206.16	178.71	-90.19	7,175.14	357.24	-53.61	410.84	0.870	Level 1	
13,620.00	6,224.51	13,592.79	6,196.72	206.75	207.00	178.71	-89.50	7,205.14	357.23	-55.30	412.53	0.866	Level 1	
13,650.00	6,224.25	13,622.79	6,196.55	207.59	207.84	178.71	-88.81	7,235.13	357.22	-56.98	414.21	0.862	Level 1	
13,680.00	6,223.99	13,652.79	6,196.37	208.43	208.68	178.70	-88.12	7,265.12	357.22	-58.67	415.89	0.859	Level 1	
13,710.00	6,223.73	13,682.79	6,196.20	209.27	209.52	178.70	-87.42	7,295.11	357.21	-60.36	417.57	0.855	Level 1	
13,740.00	6,223.47	13,712.79	6,196.02	210.11	210.36	178.70	-86.73	7,325.10	357.21	-62.04	419.25	0.852	Level 1	
13,770.00	6,223.20	13,742.79	6,195.85	210.94	211.19	178.70	-86.04	7,355.09	357.20	-63.73	420.93	0.849	Level 1	
13,800.00	6,222.94	13,772.79	6,195.67	211.78	212.03	178.70	-85.35	7,385.08	357.20	-65.42	422.61	0.845	Level 1	
13,830.00	6,222.68	13,802.79	6,195.49	212.62	212.87	178.70	-84.66	7,415.07	357.19	-67.10	424.29	0.842	Level 1	
13,860.00	6,222.42	13,832.79	6,195.32	213.46	213.71	178.70	-83.97	7,445.06	357.19	-68.79	425.98	0.839	Level 1	
13,890.00	6,222.16	13,862.79	6,195.14	214.30	214.55	178.70	-83.27	7,475.06	357.18	-70.48	427.66	0.835	Level 1	
13,920.00	6,221.90	13,892.79	6,194.97	215.14	215.39	178.70	-82.58	7,505.05	357.18	-72.16	429.34	0.832	Level 1	
13,950.00	6,221.63	13,922.79	6,194.79	215.98	216.23	178.70	-81.89	7,535.04	357.17	-73.85	431.02	0.829	Level 1	
13,980.00	6,221.37	13,952.79	6,194.62	216.82	217.07	178.70	-81.20	7,565.03	357.17	-75.54	432.70	0.825	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,010.00	6,221.11	13,982.79	6,194.44	217.66	217.91	178.70	-80.51	7,595.02	357.16	-77.22	434.38	0.822	Level 1	
14,040.00	6,220.85	14,012.79	6,194.27	218.50	218.75	178.70	-79.82	7,625.01	357.15	-78.91	436.07	0.819	Level 1	
14,070.00	6,220.59	14,042.79	6,194.09	219.34	219.59	178.70	-79.12	7,655.01	357.15	-80.60	437.75	0.816	Level 1	
14,100.00	6,220.32	14,072.79	6,193.92	220.18	220.43	178.70	-78.43	7,685.00	357.14	-82.28	439.43	0.813	Level 1	
14,130.00	6,220.06	14,102.79	6,193.74	221.02	221.27	178.70	-77.74	7,714.99	357.14	-83.97	441.11	0.810	Level 1	
14,160.00	6,219.80	14,132.79	6,193.56	221.86	222.11	178.70	-77.05	7,744.98	357.13	-85.66	442.79	0.807	Level 1	
14,190.00	6,219.54	14,162.79	6,193.39	222.70	222.95	178.70	-76.36	7,774.97	357.13	-87.35	444.48	0.803	Level 1	
14,220.00	6,219.28	14,192.79	6,193.21	223.54	223.79	178.70	-75.67	7,804.96	357.12	-89.03	446.16	0.800	Level 1	
14,250.00	6,219.02	14,222.79	6,193.04	224.38	224.63	178.70	-74.97	7,834.95	357.12	-90.72	447.84	0.797	Level 1	
14,280.00	6,218.75	14,252.79	6,192.86	225.22	225.47	178.70	-74.28	7,864.95	357.11	-92.41	449.52	0.794	Level 1	
14,310.00	6,218.49	14,282.79	6,192.69	226.05	226.31	178.70	-73.59	7,894.94	357.11	-94.10	451.20	0.791	Level 1	
14,340.00	6,218.23	14,312.79	6,192.51	226.89	227.15	178.70	-72.90	7,924.93	357.10	-95.78	452.89	0.789	Level 1	
14,370.00	6,217.97	14,342.79	6,192.34	227.73	227.99	178.70	-72.21	7,954.92	357.10	-97.47	454.57	0.786	Level 1	
14,400.00	6,217.71	14,372.79	6,192.16	228.57	228.83	178.70	-71.52	7,984.91	357.09	-99.16	456.25	0.783	Level 1	
14,430.00	6,217.44	14,402.79	6,191.99	229.41	229.67	178.70	-70.82	8,014.90	357.09	-100.85	457.94	0.780	Level 1	
14,460.00	6,217.18	14,432.79	6,191.81	230.25	230.50	178.70	-70.13	8,044.89	357.08	-102.53	459.62	0.777	Level 1	
14,490.00	6,216.92	14,462.79	6,191.64	231.09	231.34	178.70	-69.44	8,074.89	357.08	-104.22	461.30	0.774	Level 1	
14,520.00	6,216.66	14,492.79	6,191.46	231.93	232.18	178.70	-68.75	8,104.88	357.07	-105.91	462.98	0.771	Level 1	
14,550.00	6,216.40	14,522.79	6,191.28	232.77	233.02	178.70	-68.06	8,134.87	357.07	-107.60	464.67	0.768	Level 1	
14,580.00	6,216.13	14,552.79	6,191.11	233.61	233.86	178.70	-67.37	8,164.86	357.06	-109.28	466.35	0.766	Level 1	
14,610.00	6,215.87	14,582.79	6,190.93	234.45	234.70	178.70	-66.68	8,194.85	357.06	-110.97	468.03	0.763	Level 1	
14,640.00	6,215.61	14,612.79	6,190.76	235.29	235.54	178.70	-65.98	8,224.84	357.05	-112.66	469.72	0.760	Level 1	
14,670.00	6,215.35	14,642.79	6,190.58	236.13	236.38	178.70	-65.29	8,254.83	357.05	-114.35	471.40	0.757	Level 1	
14,700.00	6,215.09	14,672.79	6,190.41	236.97	237.22	178.70	-64.60	8,284.83	357.05	-116.04	473.08	0.755	Level 1	
14,730.00	6,214.83	14,702.79	6,190.23	237.81	238.06	178.70	-63.91	8,314.82	357.04	-117.72	474.76	0.752	Level 1	
14,760.00	6,214.56	14,732.79	6,190.06	238.65	238.90	178.70	-63.22	8,344.81	357.04	-119.41	476.45	0.749	Level 1	
14,790.00	6,214.30	14,762.79	6,189.88	239.49	239.74	178.70	-62.53	8,374.80	357.03	-121.10	478.13	0.747	Level 1	
14,820.00	6,214.04	14,792.79	6,189.71	240.33	240.58	178.70	-61.83	8,404.79	357.03	-122.79	479.81	0.744	Level 1	
14,850.00	6,213.78	14,822.79	6,189.53	241.17	241.42	178.70	-61.14	8,434.78	357.02	-124.48	481.50	0.741	Level 1	
14,880.00	6,213.52	14,852.79	6,189.35	242.01	242.26	178.70	-60.45	8,464.77	357.02	-126.16	483.18	0.739	Level 1	
14,910.00	6,213.25	14,882.79	6,189.18	242.85	243.10	178.70	-59.76	8,494.76	357.01	-127.85	484.86	0.736	Level 1	
14,940.00	6,212.99	14,912.79	6,189.00	243.69	243.94	178.70	-59.07	8,524.76	357.01	-129.54	486.55	0.734	Level 1	
14,970.00	6,212.73	14,942.79	6,188.83	244.53	244.78	178.70	-58.38	8,554.75	357.00	-131.23	488.23	0.731	Level 1	
15,000.00	6,212.47	14,972.79	6,188.65	245.37	245.62	178.70	-57.68	8,584.74	357.00	-132.92	489.92	0.729	Level 1	
15,030.00	6,212.21	15,002.79	6,188.48	246.21	246.46	178.70	-56.99	8,614.73	356.99	-134.60	491.60	0.726	Level 1	
15,060.00	6,211.94	15,032.79	6,188.30	247.05	247.30	178.70	-56.30	8,644.72	356.99	-136.29	493.28	0.724	Level 1	
15,090.00	6,211.68	15,062.79	6,188.13	247.89	248.14	178.70	-55.61	8,674.71	356.99	-137.98	494.97	0.721	Level 1	
15,120.00	6,211.42	15,092.79	6,187.95	248.73	248.98	178.70	-54.92	8,704.70	356.98	-139.67	496.65	0.719	Level 1	
15,150.00	6,211.16	15,122.79	6,187.78	249.57	249.82	178.70	-54.23	8,734.70	356.98	-141.36	498.33	0.716	Level 1	
15,180.00	6,210.90	15,152.79	6,187.60	250.41	250.66	178.70	-53.53	8,764.69	356.97	-143.05	500.02	0.714	Level 1	
15,210.00	6,210.64	15,182.79	6,187.43	251.25	251.50	178.70	-52.84	8,794.68	356.97	-144.73	501.70	0.712	Level 1	
15,240.00	6,210.37	15,212.79	6,187.25	252.09	252.34	178.70	-52.15	8,824.67	356.96	-146.42	503.39	0.709	Level 1	
15,270.00	6,210.11	15,242.79	6,187.07	252.93	253.18	178.70	-51.46	8,854.66	356.96	-148.11	505.07	0.707	Level 1	
15,300.00	6,209.85	15,272.79	6,186.90	253.77	254.02	178.70	-50.77	8,884.65	356.95	-149.80	506.75	0.704	Level 1	
15,330.00	6,209.59	15,302.79	6,186.72	254.61	254.86	178.70	-50.08	8,914.64	356.95	-151.49	508.44	0.702	Level 1	
15,360.00	6,209.33	15,332.79	6,186.55	255.45	255.70	178.70	-49.38	8,944.64	356.95	-153.18	510.12	0.700	Level 1	
15,390.00	6,209.06	15,362.79	6,186.37	256.29	256.54	178.70	-48.69	8,974.63	356.94	-154.87	511.81	0.697	Level 1	
15,420.00	6,208.80	15,392.79	6,186.20	257.13	257.38	178.70	-48.00	9,004.62	356.94	-156.55	513.49	0.695	Level 1	
15,450.00	6,208.54	15,422.79	6,186.02	257.97	258.22	178.70	-47.31	9,034.61	356.93	-158.24	515.18	0.693	Level 1	
15,480.00	6,208.28	15,452.79	6,185.85	258.81	259.06	178.70	-46.62	9,064.60	356.93	-159.93	516.86	0.691	Level 1	
15,510.00	6,208.02	15,482.79	6,185.67	259.65	259.90	178.70	-45.93	9,094.59	356.92	-161.62	518.54	0.688	Level 1	
15,540.00	6,207.76	15,512.79	6,185.50	260.49	260.74	178.70	-45.24	9,124.58	356.92	-163.31	520.23	0.686	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design Sec.35-T5N-R62W - Anschutz State 5-62-35-1609BH2 - Wellbore #1 - Design #2													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,570.00	6,207.49	15,542.78	6,185.32	261.33	261.58	178.70	-44.54	9,154.58	356.92	-165.00	521.91	0.684	Level 1	
15,600.00	6,207.23	15,572.78	6,185.14	262.17	262.42	178.70	-43.85	9,184.57	356.91	-166.68	523.60	0.682	Level 1	
15,630.00	6,206.97	15,602.78	6,184.97	263.01	263.26	178.70	-43.16	9,214.56	356.91	-168.37	525.28	0.679	Level 1	
15,660.00	6,206.71	15,632.78	6,184.79	263.85	264.10	178.70	-42.47	9,244.55	356.90	-170.06	526.97	0.677	Level 1	
15,690.00	6,206.45	15,662.78	6,184.62	264.69	264.94	178.70	-41.78	9,274.54	356.90	-171.75	528.65	0.675	Level 1	
15,720.00	6,206.18	15,692.78	6,184.44	265.53	265.78	178.70	-41.09	9,304.53	356.90	-173.44	530.34	0.673	Level 1	
15,750.00	6,205.92	15,722.78	6,184.27	266.37	266.62	178.70	-40.39	9,334.52	356.89	-175.13	532.02	0.671	Level 1	
15,780.00	6,205.66	15,752.78	6,184.09	267.21	267.46	178.70	-39.70	9,364.52	356.89	-176.82	533.70	0.669	Level 1	
15,810.00	6,205.40	15,782.78	6,183.92	268.05	268.30	178.70	-39.01	9,394.51	356.88	-178.51	535.39	0.667	Level 1	
15,840.00	6,205.14	15,812.78	6,183.74	268.89	269.14	178.70	-38.32	9,424.50	356.88	-180.19	537.07	0.664	Level 1	
15,870.00	6,204.87	15,842.78	6,183.57	269.73	269.98	178.70	-37.63	9,454.49	356.88	-181.88	538.76	0.662	Level 1	
15,900.00	6,204.61	15,872.78	6,183.39	270.57	270.82	178.70	-36.94	9,484.48	356.87	-183.57	540.44	0.660	Level 1	
15,930.00	6,204.35	15,902.78	6,183.22	271.41	271.66	178.70	-36.24	9,514.47	356.87	-185.26	542.13	0.658	Level 1	
15,960.00	6,204.09	15,932.78	6,183.04	272.25	272.50	178.70	-35.55	9,544.46	356.86	-186.95	543.81	0.656	Level 1	
15,990.00	6,203.83	15,962.78	6,182.86	273.09	273.34	178.70	-34.86	9,574.45	356.86	-188.64	545.50	0.654	Level 1	
16,020.00	6,203.57	15,992.78	6,182.69	273.93	274.18	178.70	-34.17	9,604.45	356.86	-190.33	547.18	0.652	Level 1	
16,050.00	6,203.30	16,022.78	6,182.51	274.77	275.02	178.70	-33.48	9,634.44	356.85	-192.02	548.87	0.650	Level 1	
16,080.00	6,203.04	16,052.78	6,182.34	275.61	275.86	178.70	-32.79	9,664.43	356.85	-193.70	550.55	0.648	Level 1	
16,110.00	6,202.78	16,082.78	6,182.16	276.45	276.71	178.70	-32.09	9,694.42	356.85	-195.39	552.24	0.646	Level 1	
16,140.00	6,202.52	16,112.78	6,181.99	277.29	277.55	178.70	-31.40	9,724.41	356.84	-197.08	553.92	0.644	Level 1	
16,170.00	6,202.26	16,142.78	6,181.81	278.13	278.39	178.70	-30.71	9,754.40	356.84	-198.77	555.61	0.642	Level 1	
16,200.00	6,201.99	16,172.78	6,181.64	278.97	279.23	178.70	-30.02	9,784.39	356.83	-200.46	557.29	0.640	Level 1	
16,230.00	6,201.73	16,202.78	6,181.46	279.81	280.07	178.70	-29.33	9,814.39	356.83	-202.15	558.98	0.638	Level 1	
16,260.00	6,201.47	16,232.78	6,181.29	280.65	280.91	178.70	-28.64	9,844.38	356.83	-203.84	560.66	0.636	Level 1	
16,290.00	6,201.21	16,262.78	6,181.11	281.49	281.75	178.70	-27.94	9,874.37	356.82	-205.53	562.35	0.635	Level 1	
16,308.59	6,201.05	16,281.22	6,181.00	282.01	282.26	178.72	-27.52	9,892.81	356.82	-206.57	563.39	0.633	Level 1	
16,313.34	6,201.00	16,281.22	6,181.00	282.14	282.26	179.48	-27.52	9,892.81	356.85	-206.67	563.52	0.633	Level 1, ES, SF	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-178.38	-29.51	-0.84	29.52					
30.00	30.00	30.00	30.00	0.01	0.03	-178.38	-29.51	-0.84	29.52	29.49	0.03	872.657		
60.00	60.00	60.00	60.00	0.04	0.05	-178.38	-29.51	-0.84	29.52	29.43	0.09	315.709		
90.00	90.00	90.00	90.00	0.08	0.08	-178.38	-29.51	-0.84	29.52	29.37	0.15	192.714		
120.00	120.00	120.00	120.00	0.13	0.13	-178.38	-29.51	-0.84	29.52	29.26	0.26	112.252		
150.00	150.00	150.00	150.00	0.20	0.20	-178.38	-29.51	-0.84	29.52	29.12	0.40	74.201		
180.00	180.00	180.00	180.00	0.27	0.27	-178.38	-29.51	-0.84	29.52	28.99	0.53	55.416		
210.00	210.00	210.00	210.00	0.33	0.33	-178.38	-29.51	-0.84	29.52	28.85	0.67	44.221		
240.00	240.00	240.00	240.00	0.40	0.40	-178.38	-29.51	-0.84	29.52	28.72	0.80	36.789		
270.00	270.00	270.00	270.00	0.47	0.47	-178.38	-29.51	-0.84	29.52	28.58	0.94	31.495		
300.00	300.00	300.00	300.00	0.54	0.54	-178.38	-29.51	-0.84	29.52	28.45	1.07	27.534		
330.00	330.00	330.00	330.00	0.60	0.60	-178.38	-29.51	-0.84	29.52	28.31	1.21	24.457		
360.00	360.00	360.00	360.00	0.67	0.67	-178.38	-29.51	-0.84	29.52	28.18	1.34	21.999		
390.00	390.00	390.00	390.00	0.74	0.74	-178.38	-29.51	-0.84	29.52	28.04	1.48	19.990		
420.00	420.00	420.00	420.00	0.81	0.81	-178.38	-29.51	-0.84	29.52	27.91	1.61	18.317		
450.00	450.00	450.00	450.00	0.87	0.87	-178.38	-29.51	-0.84	29.52	27.77	1.75	16.903		
480.00	480.00	480.00	480.00	0.94	0.94	-178.38	-29.51	-0.84	29.52	27.64	1.88	15.691		
510.00	510.00	510.00	510.00	1.01	1.01	-178.38	-29.51	-0.84	29.52	27.50	2.02	14.642		
540.00	540.00	540.00	540.00	1.08	1.08	-178.38	-29.51	-0.84	29.52	27.37	2.15	13.724		
570.00	570.00	570.00	570.00	1.14	1.14	-178.38	-29.51	-0.84	29.52	27.23	2.29	12.914		
600.00	600.00	600.00	600.00	1.21	1.21	-178.38	-29.51	-0.84	29.52	27.10	2.42	12.195		
630.00	630.00	630.00	630.00	1.28	1.28	-178.38	-29.51	-0.84	29.52	26.96	2.56	11.551		
660.00	660.00	660.00	660.00	1.35	1.35	-178.38	-29.51	-0.84	29.52	26.83	2.69	10.972		
690.00	690.00	690.00	690.00	1.41	1.41	-178.38	-29.51	-0.84	29.52	26.69	2.83	10.448		
720.00	720.00	720.00	720.00	1.48	1.48	-178.38	-29.51	-0.84	29.52	26.56	2.96	9.972		
750.00	750.00	750.00	750.00	1.55	1.55	-178.38	-29.51	-0.84	29.52	26.42	3.10	9.538		
780.00	780.00	780.00	780.00	1.61	1.61	-178.38	-29.51	-0.84	29.52	26.29	3.23	9.140		
810.00	810.00	810.00	810.00	1.68	1.68	-178.38	-29.51	-0.84	29.52	26.15	3.36	8.773		
840.00	840.00	840.00	840.00	1.75	1.75	-178.38	-29.51	-0.84	29.52	26.02	3.50	8.435		
870.00	870.00	870.00	870.00	1.82	1.82	-178.38	-29.51	-0.84	29.52	25.89	3.63	8.122		
900.00	900.00	900.00	900.00	1.88	1.88	-178.38	-29.51	-0.84	29.52	25.75	3.77	7.832 CC		
930.00	930.00	929.75	929.75	1.95	1.94	-178.50	-29.63	-0.93	29.68	25.79	3.89	7.624		
960.00	960.00	959.50	959.49	2.01	2.00	-178.85	-30.00	-1.21	30.18	26.16	4.02	7.511		
990.00	989.99	989.23	989.21	2.08	2.06	-179.40	-30.61	-1.68	31.01	26.87	4.14	7.485		
1,020.00	1,019.96	1,018.94	1,018.91	2.14	2.12	179.86	-31.47	-2.34	32.17	27.91	4.26	7.545		
1,050.00	1,049.93	1,048.63	1,048.56	2.21	2.18	178.99	-32.57	-3.18	33.67	29.29	4.38	7.682		
1,080.00	1,079.88	1,078.29	1,078.18	2.27	2.23	178.02	-33.91	-4.21	35.52	31.01	4.50	7.888		
1,110.00	1,109.81	1,107.91	1,107.73	2.34	2.29	177.00	-35.49	-5.43	37.71	33.08	4.62	8.154		
1,140.00	1,139.72	1,137.49	1,137.22	2.40	2.35	175.96	-37.31	-6.83	40.24	35.49	4.75	8.471		
1,170.00	1,169.62	1,167.04	1,166.65	2.47	2.40	175.22	-39.38	-8.41	43.04	38.16	4.88	8.825		
1,200.00	1,199.52	1,196.54	1,196.02	2.54	2.46	174.81	-41.67	-10.17	46.07	41.07	5.00	9.207		
1,230.00	1,229.43	1,226.01	1,225.30	2.61	2.53	174.70	-44.21	-12.12	49.33	44.19	5.14	9.603		
1,260.00	1,259.33	1,255.42	1,254.51	2.68	2.59	174.82	-46.98	-14.24	52.82	47.55	5.27	10.022		
1,290.00	1,289.23	1,284.77	1,283.61	2.75	2.66	175.12	-49.98	-16.54	56.53	51.12	5.40	10.462		
1,320.00	1,319.13	1,314.48	1,313.06	2.82	2.73	175.53	-53.15	-18.98	60.37	54.83	5.54	10.893		
1,350.00	1,349.03	1,344.23	1,342.53	2.89	2.81	175.89	-56.33	-21.42	64.22	58.54	5.68	11.305		
1,380.00	1,378.93	1,373.98	1,372.01	2.96	2.88	176.22	-59.52	-23.86	68.08	62.26	5.82	11.699		
1,410.00	1,408.84	1,403.73	1,401.49	3.04	2.96	176.50	-62.70	-26.30	71.93	65.97	5.96	12.073		
1,440.00	1,438.74	1,433.48	1,430.97	3.11	3.04	176.76	-65.88	-28.74	75.79	69.69	6.10	12.423		
1,470.00	1,468.64	1,463.23	1,460.44	3.18	3.12	177.00	-69.06	-31.18	79.64	73.40	6.24	12.758		
1,500.00	1,498.54	1,492.98	1,489.92	3.26	3.20	177.21	-72.24	-33.62	83.50	77.12	6.38	13.078		
1,530.00	1,528.44	1,522.73	1,519.40	3.33	3.28	177.40	-75.42	-36.06	87.36	80.83	6.53	13.378		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,560.00	1,558.34	1,552.48	1,548.88	3.41	3.37	177.58	-78.60	-38.50	91.22	84.54	6.68	13.665		
1,590.00	1,588.25	1,582.23	1,578.36	3.48	3.45	177.74	-81.78	-40.95	95.08	88.26	6.82	13.939		
1,620.00	1,618.15	1,611.98	1,607.83	3.56	3.54	177.89	-84.97	-43.39	98.94	91.97	6.97	14.199		
1,650.00	1,648.05	1,641.72	1,637.31	3.63	3.63	178.03	-88.15	-45.83	102.81	95.69	7.12	14.446		
1,680.00	1,677.95	1,671.47	1,666.79	3.71	3.71	178.16	-91.33	-48.27	106.67	99.40	7.26	14.683		
1,710.00	1,707.85	1,701.22	1,696.27	3.78	3.80	178.28	-94.51	-50.71	110.53	103.12	7.41	14.910		
1,740.00	1,737.75	1,730.97	1,725.75	3.86	3.89	178.39	-97.69	-53.15	114.40	106.83	7.56	15.124		
1,770.00	1,767.65	1,760.72	1,755.22	3.94	3.98	178.49	-100.87	-55.59	118.26	110.55	7.71	15.331		
1,800.00	1,797.56	1,790.47	1,784.70	4.01	4.07	178.59	-104.05	-58.03	122.12	114.26	7.86	15.529		
1,830.00	1,827.46	1,820.22	1,814.18	4.09	4.16	178.68	-107.23	-60.47	125.99	117.97	8.02	15.716		
1,860.00	1,857.36	1,849.97	1,843.66	4.17	4.25	178.77	-110.41	-62.91	129.85	121.69	8.17	15.897		
1,890.00	1,887.26	1,879.72	1,873.14	4.24	4.35	178.85	-113.60	-65.35	133.72	125.40	8.32	16.071		
1,920.00	1,917.16	1,909.47	1,902.61	4.32	4.44	178.93	-116.78	-67.79	137.59	129.11	8.47	16.237		
1,950.00	1,947.06	1,939.22	1,932.09	4.40	4.53	179.00	-119.96	-70.23	141.45	132.83	8.63	16.396		
1,980.00	1,976.97	1,968.97	1,961.57	4.48	4.63	179.07	-123.14	-72.68	145.32	136.54	8.78	16.550		
2,010.00	2,006.87	1,998.72	1,991.05	4.55	4.72	179.13	-126.32	-75.12	149.18	140.25	8.93	16.698		
2,040.00	2,036.77	2,028.47	2,020.52	4.63	4.81	179.20	-129.50	-77.56	153.05	143.96	9.09	16.839		
2,070.00	2,066.67	2,058.22	2,050.00	4.71	4.91	179.26	-132.68	-80.00	156.92	147.67	9.24	16.975		
2,100.00	2,096.57	2,087.96	2,079.48	4.79	5.00	179.31	-135.86	-82.44	160.79	151.39	9.40	17.107		
2,130.00	2,126.47	2,117.71	2,108.96	4.87	5.10	179.36	-139.05	-84.88	164.65	155.10	9.55	17.234		
2,160.00	2,156.38	2,147.46	2,138.44	4.94	5.19	179.42	-142.23	-87.32	168.52	158.81	9.71	17.355		
2,190.00	2,186.28	2,177.21	2,167.91	5.02	5.29	179.46	-145.41	-89.76	172.39	162.52	9.87	17.473		
2,220.00	2,216.18	2,206.96	2,197.39	5.10	5.39	179.51	-148.59	-92.20	176.25	166.23	10.02	17.587		
2,250.00	2,246.08	2,236.71	2,226.87	5.18	5.48	179.56	-151.77	-94.64	180.12	169.94	10.18	17.696		
2,280.00	2,275.98	2,266.46	2,256.35	5.26	5.58	179.60	-154.95	-97.08	183.99	173.65	10.34	17.802		
2,310.00	2,305.88	2,296.21	2,285.83	5.34	5.68	179.64	-158.13	-99.52	187.86	177.37	10.49	17.905		
2,340.00	2,335.79	2,325.96	2,315.30	5.42	5.77	179.68	-161.31	-101.96	191.73	181.08	10.65	18.004		
2,370.00	2,365.69	2,355.71	2,344.78	5.50	5.87	179.72	-164.49	-104.41	195.59	184.79	10.81	18.099		
2,400.00	2,395.59	2,385.46	2,374.26	5.57	5.97	179.75	-167.68	-106.85	199.46	188.50	10.96	18.192		
2,430.00	2,425.49	2,415.21	2,403.74	5.65	6.06	179.79	-170.86	-109.29	203.33	192.21	11.12	18.282		
2,460.00	2,455.39	2,444.96	2,433.21	5.73	6.16	179.82	-174.04	-111.73	207.20	195.92	11.28	18.369		
2,490.00	2,485.29	2,474.71	2,462.69	5.81	6.26	179.85	-177.22	-114.17	211.07	199.63	11.44	18.453		
2,520.00	2,515.20	2,504.46	2,492.17	5.89	6.36	179.88	-180.40	-116.61	214.93	203.34	11.60	18.535		
2,550.00	2,545.10	2,534.20	2,521.65	5.97	6.46	179.91	-183.58	-119.05	218.80	207.05	11.75	18.614		
2,580.00	2,575.00	2,563.95	2,551.13	6.05	6.56	179.94	-186.76	-121.49	222.67	210.76	11.91	18.691		
2,610.00	2,604.90	2,593.70	2,580.60	6.13	6.65	179.97	-189.94	-123.93	226.54	214.47	12.07	18.766		
2,640.00	2,634.80	2,623.45	2,610.08	6.21	6.75	180.00	-193.13	-126.37	230.41	218.18	12.23	18.838		
2,670.00	2,664.70	2,653.20	2,639.56	6.29	6.85	-179.98	-196.31	-128.81	234.28	221.89	12.39	18.908		
2,700.00	2,694.61	2,682.95	2,669.04	6.37	6.95	-179.95	-199.49	-131.25	238.15	225.60	12.55	18.977		
2,730.00	2,724.51	2,712.70	2,698.52	6.45	7.05	-179.93	-202.67	-133.69	242.01	229.31	12.71	19.043		
2,760.00	2,754.41	2,742.45	2,727.99	6.53	7.15	-179.90	-205.85	-136.14	245.88	233.01	12.87	19.108		
2,790.00	2,784.31	2,772.20	2,757.47	6.61	7.25	-179.88	-209.03	-138.58	249.75	236.72	13.03	19.171		
2,820.00	2,814.21	2,801.95	2,786.95	6.69	7.35	-179.86	-212.21	-141.02	253.62	240.43	13.19	19.232		
2,850.00	2,844.11	2,831.70	2,816.43	6.77	7.45	-179.84	-215.39	-143.46	257.49	244.14	13.35	19.292		
2,880.00	2,874.02	2,861.45	2,845.91	6.85	7.55	-179.81	-218.57	-145.90	261.36	247.85	13.51	19.350		
2,910.00	2,903.92	2,891.20	2,875.38	6.93	7.65	-179.79	-221.76	-148.34	265.23	251.56	13.67	19.407		
2,940.00	2,933.82	2,920.95	2,904.86	7.01	7.75	-179.77	-224.94	-150.78	269.10	255.27	13.83	19.462		
2,970.00	2,963.72	2,950.70	2,934.34	7.09	7.85	-179.76	-228.12	-153.22	272.96	258.98	13.99	19.515		
3,000.00	2,993.62	2,980.44	2,963.82	7.17	7.95	-179.74	-231.30	-155.66	276.83	262.69	14.15	19.568		
3,030.00	3,023.52	3,010.19	2,993.29	7.25	8.05	-179.72	-234.48	-158.10	280.70	266.40	14.31	19.619		
3,060.00	3,053.43	3,039.94	3,022.77	7.33	8.15	-179.70	-237.66	-160.54	284.57	270.10	14.47	19.669		
3,090.00	3,083.33	3,069.69	3,052.25	7.41	8.25	-179.68	-240.84	-162.98	288.44	273.81	14.63	19.717		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,120.00	3,113.23	3,099.44	3,081.73	7.49	8.35	-179.67	-244.02	-165.42	292.31	277.52	14.79	19.765		
3,150.00	3,143.13	3,129.19	3,111.21	7.57	8.45	-179.65	-247.21	-167.87	296.18	281.23	14.95	19.811		
3,180.00	3,173.03	3,158.94	3,140.68	7.65	8.55	-179.63	-250.39	-170.31	300.05	284.94	15.11	19.856		
3,210.00	3,202.93	3,188.69	3,170.16	7.73	8.65	-179.62	-253.57	-172.75	303.92	288.65	15.27	19.901		
3,240.00	3,232.84	3,218.44	3,199.64	7.81	8.75	-179.60	-256.75	-175.19	307.79	292.35	15.43	19.944		
3,270.00	3,262.74	3,248.19	3,229.12	7.89	8.85	-179.59	-259.93	-177.63	311.66	296.06	15.59	19.986		
3,300.00	3,292.64	3,277.94	3,258.60	7.97	8.95	-179.57	-263.11	-180.07	315.53	299.77	15.75	20.027		
3,330.00	3,322.54	3,307.69	3,288.07	8.05	9.05	-179.56	-266.29	-182.51	319.39	303.48	15.92	20.068		
3,360.00	3,352.44	3,337.44	3,317.55	8.13	9.15	-179.55	-269.47	-184.95	323.26	307.19	16.08	20.107		
3,390.00	3,382.34	3,367.19	3,347.03	8.21	9.25	-179.53	-272.65	-187.39	327.13	310.89	16.24	20.146		
3,420.00	3,412.25	3,396.94	3,376.51	8.29	9.35	-179.52	-275.84	-189.83	331.00	314.60	16.40	20.184		
3,450.00	3,442.15	3,426.68	3,405.99	8.37	9.45	-179.51	-279.02	-192.27	334.87	318.31	16.56	20.221		
3,480.00	3,472.05	3,456.43	3,435.46	8.45	9.55	-179.50	-282.20	-194.71	338.74	322.02	16.72	20.257		
3,510.00	3,501.95	3,486.18	3,464.94	8.53	9.65	-179.48	-285.38	-197.15	342.61	325.73	16.88	20.292		
3,540.00	3,531.85	3,515.93	3,494.42	8.61	9.75	-179.47	-288.56	-199.60	346.48	329.43	17.05	20.327		
3,570.00	3,561.75	3,545.68	3,523.90	8.69	9.86	-179.46	-291.74	-202.04	350.35	333.14	17.21	20.361		
3,600.00	3,591.66	3,575.43	3,553.37	8.77	9.96	-179.45	-294.92	-204.48	354.22	336.85	17.37	20.394		
3,630.00	3,621.56	3,605.18	3,582.85	8.85	10.06	-179.44	-298.10	-206.92	358.09	340.56	17.53	20.427		
3,660.00	3,651.46	3,634.93	3,612.33	8.93	10.16	-179.43	-301.28	-209.36	361.96	344.27	17.69	20.459		
3,690.00	3,681.36	3,664.68	3,641.81	9.01	10.26	-179.42	-304.47	-211.80	365.83	347.97	17.85	20.490		
3,720.00	3,711.26	3,694.43	3,671.29	9.09	10.36	-179.41	-307.65	-214.24	369.70	351.68	18.02	20.521		
3,750.00	3,741.16	3,724.18	3,700.76	9.17	10.46	-179.40	-310.83	-216.68	373.57	355.39	18.18	20.551		
3,780.00	3,771.07	3,753.93	3,730.24	9.25	10.56	-179.39	-314.01	-219.12	377.44	359.10	18.34	20.581		
3,810.00	3,800.97	3,783.68	3,759.72	9.33	10.66	-179.38	-317.19	-221.56	381.30	362.80	18.50	20.610		
3,840.00	3,830.87	3,813.43	3,789.20	9.41	10.77	-179.37	-320.37	-224.00	385.17	366.51	18.66	20.638		
3,870.00	3,860.77	3,843.18	3,818.68	9.50	10.87	-179.36	-323.55	-226.44	389.04	370.22	18.83	20.666		
3,900.00	3,890.67	3,872.92	3,848.15	9.58	10.97	-179.35	-326.73	-228.88	392.91	373.93	18.99	20.694		
3,930.00	3,920.57	3,902.67	3,877.63	9.66	11.07	-179.34	-329.92	-231.33	396.78	377.63	19.15	20.720		
3,960.00	3,950.48	3,932.42	3,907.11	9.74	11.17	-179.33	-333.10	-233.77	400.65	381.34	19.31	20.747		
3,990.00	3,980.38	3,962.17	3,936.59	9.82	11.27	-179.32	-336.28	-236.21	404.52	385.05	19.47	20.773		
4,020.00	4,010.28	3,991.92	3,966.06	9.90	11.37	-179.31	-339.46	-238.65	408.39	388.76	19.64	20.798		
4,050.00	4,040.18	4,021.67	3,995.54	9.98	11.48	-179.30	-342.64	-241.09	412.26	392.46	19.80	20.823		
4,080.00	4,070.08	4,051.42	4,025.02	10.06	11.58	-179.30	-345.82	-243.53	416.13	396.17	19.96	20.848		
4,110.00	4,099.98	4,081.17	4,054.50	10.14	11.68	-179.29	-349.00	-245.97	420.00	399.88	20.12	20.872		
4,140.00	4,129.89	4,110.92	4,083.98	10.22	11.78	-179.28	-352.18	-248.41	423.87	403.59	20.28	20.896		
4,170.00	4,159.79	4,140.67	4,113.45	10.30	11.88	-179.27	-355.36	-250.85	427.74	407.29	20.45	20.919		
4,200.00	4,189.69	4,170.42	4,142.93	10.38	11.98	-179.26	-358.55	-253.29	431.61	411.00	20.61	20.942		
4,230.00	4,219.59	4,200.17	4,172.41	10.46	12.09	-179.26	-361.73	-255.73	435.48	414.71	20.77	20.965		
4,260.00	4,249.49	4,229.92	4,201.89	10.54	12.19	-179.25	-364.91	-258.17	439.35	418.41	20.93	20.987		
4,290.00	4,279.39	4,259.67	4,231.37	10.62	12.29	-179.24	-368.09	-260.61	443.22	422.12	21.10	21.008		
4,320.00	4,309.30	4,289.42	4,260.84	10.71	12.39	-179.23	-371.27	-263.06	447.09	425.83	21.26	21.030		
4,350.00	4,339.20	4,319.16	4,290.32	10.79	12.49	-179.23	-374.45	-265.50	450.96	429.54	21.42	21.051		
4,380.00	4,369.10	4,348.91	4,319.80	10.87	12.60	-179.22	-377.63	-267.94	454.83	433.24	21.58	21.072		
4,410.00	4,399.00	4,378.66	4,349.28	10.95	12.70	-179.21	-380.81	-270.38	458.70	436.95	21.75	21.092		
4,440.00	4,428.90	4,408.41	4,378.76	11.03	12.80	-179.21	-384.00	-272.82	462.57	440.66	21.91	21.112		
4,470.00	4,458.80	4,438.16	4,408.23	11.11	12.90	-179.20	-387.18	-275.26	466.44	444.36	22.07	21.132		
4,500.00	4,488.71	4,467.91	4,437.71	11.19	13.00	-179.19	-390.36	-277.70	470.31	448.07	22.24	21.151		
4,530.00	4,518.61	4,497.66	4,467.19	11.27	13.10	-179.19	-393.54	-280.14	474.18	451.78	22.40	21.170		
4,560.00	4,548.51	4,527.41	4,496.67	11.35	13.21	-179.18	-396.72	-282.58	478.05	455.48	22.56	21.189		
4,590.00	4,578.41	4,557.16	4,526.14	11.43	13.31	-179.18	-399.90	-285.02	481.92	459.19	22.72	21.208		
4,620.00	4,608.31	4,586.91	4,555.62	11.51	13.41	-179.17	-403.08	-287.46	485.78	462.90	22.89	21.226		
4,650.00	4,638.21	4,616.66	4,585.10	11.59	13.51	-179.16	-406.26	-289.90	489.65	466.61	23.05	21.244		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,680.00	4,668.12	4,646.41	4,614.58	11.68	13.61	-179.16	-409.44	-292.34	493.52	470.31	23.21	21.262		
4,710.00	4,698.02	4,676.16	4,644.06	11.76	13.72	-179.15	-412.63	-294.78	497.39	474.02	23.37	21.279		
4,740.00	4,727.92	4,705.91	4,673.53	11.84	13.82	-179.15	-415.81	-297.23	501.26	477.73	23.54	21.296		
4,770.00	4,757.82	4,735.66	4,703.21	11.92	13.92	-179.14	-418.99	-299.67	505.13	481.43	23.70	21.313		
4,800.00	4,787.72	4,765.40	4,732.49	12.00	14.02	-179.14	-422.17	-302.11	509.00	485.14	23.86	21.330		
4,830.00	4,817.62	4,795.15	4,761.97	12.08	14.12	-179.13	-425.35	-304.55	512.87	488.85	24.03	21.346		
4,860.00	4,847.53	4,824.90	4,791.45	12.16	14.23	-179.12	-428.53	-306.99	516.74	492.55	24.19	21.363		
4,890.00	4,877.43	4,854.65	4,820.92	12.24	14.33	-179.12	-431.71	-309.43	520.61	496.26	24.35	21.379		
4,920.00	4,907.33	4,884.40	4,850.40	12.32	14.43	-179.11	-434.89	-311.87	524.48	499.97	24.51	21.394		
4,950.00	4,937.23	4,914.15	4,879.88	12.40	14.53	-179.11	-438.08	-314.31	528.35	503.67	24.68	21.410		
4,980.00	4,967.13	4,943.90	4,909.36	12.49	14.63	-179.10	-441.26	-316.75	532.22	507.38	24.84	21.425		
5,010.00	4,997.03	4,973.65	4,938.84	12.57	14.74	-179.10	-444.44	-319.19	536.09	511.09	25.00	21.440		
5,040.00	5,026.94	5,008.44	4,973.33	12.65	14.83	-179.06	-448.01	-321.93	539.83	514.66	25.17	21.449		
5,070.00	5,056.84	5,043.59	5,008.24	12.73	14.91	-179.05	-451.27	-324.44	543.27	517.95	25.32	21.453		
5,100.00	5,086.74	5,078.81	5,043.27	12.81	14.99	-179.06	-454.21	-326.69	546.42	520.94	25.48	21.445		
5,130.00	5,116.66	5,114.11	5,078.41	12.86	15.07	-179.08	-456.81	-328.68	549.21	523.59	25.62	21.440		
5,160.00	5,146.60	5,149.47	5,113.66	12.92	15.14	-179.09	-459.06	-330.41	551.62	525.88	25.75	21.423		
5,190.00	5,176.56	5,184.89	5,149.00	12.98	15.21	-179.09	-460.98	-331.88	553.66	527.78	25.88	21.393		
5,220.00	5,206.54	5,220.36	5,184.41	13.03	15.27	-179.09	-462.55	-333.09	555.32	529.32	26.00	21.356		
5,250.00	5,236.53	5,255.87	5,219.88	13.08	15.33	-179.09	-463.77	-334.03	556.60	530.48	26.12	21.309		
5,280.00	5,266.52	5,291.40	5,255.40	13.13	15.39	-179.08	-464.65	-334.70	557.50	531.27	26.24	21.249		
5,310.00	5,296.52	5,326.96	5,290.95	13.18	15.45	-179.07	-465.17	-335.10	558.03	531.68	26.35	21.176		
5,340.00	5,326.52	5,362.52	5,326.51	13.23	15.50	-179.06	-465.35	-335.24	558.18	531.89	26.29	21.231		
5,370.00	5,356.52	5,392.53	5,356.52	13.28	15.55	-179.06	-465.35	-335.24	558.18	531.79	26.40	21.145		
5,400.00	5,386.52	5,422.53	5,386.52	13.34	15.59	-179.06	-465.35	-335.24	558.18	531.68	26.50	21.063		
5,430.00	5,416.52	5,452.53	5,416.52	13.39	15.63	-179.06	-465.35	-335.24	558.18	531.58	26.61	20.979		
5,460.00	5,446.52	5,482.53	5,446.52	13.45	15.67	-179.06	-465.35	-335.24	558.18	531.47	26.71	20.895		
5,490.00	5,476.52	5,512.53	5,476.52	13.51	15.71	-179.06	-465.35	-335.24	558.18	531.36	26.82	20.812		
5,520.00	5,506.52	5,542.53	5,506.52	13.56	15.76	-179.06	-465.35	-335.24	558.18	531.26	26.93	20.730		
5,550.00	5,536.52	5,572.53	5,536.52	13.62	15.80	-179.06	-465.35	-335.24	558.18	531.15	27.03	20.648		
5,580.00	5,566.52	5,602.53	5,566.52	13.68	15.84	-179.06	-465.35	-335.24	558.18	531.04	27.14	20.567		
5,610.00	5,596.52	5,632.53	5,596.52	13.73	15.89	-179.06	-465.35	-335.24	558.18	530.94	27.25	20.485		
5,640.00	5,626.52	5,662.53	5,626.52	13.79	15.93	-179.06	-465.35	-335.24	558.18	530.83	27.36	20.405		
5,670.00	5,656.52	5,692.53	5,656.52	13.85	15.97	-179.06	-465.35	-335.24	558.18	530.72	27.46	20.325		
5,700.00	5,686.52	5,722.53	5,686.52	13.91	16.01	-179.06	-465.35	-335.24	558.18	530.61	27.57	20.245		
5,730.00	5,716.52	5,752.53	5,716.52	13.96	16.06	-179.06	-465.35	-335.24	558.18	530.50	27.68	20.166		
5,760.00	5,746.52	5,782.53	5,746.52	14.02	16.10	-179.06	-465.35	-335.24	558.18	530.40	27.79	20.087		
5,790.00	5,776.52	5,812.53	5,776.52	14.08	16.15	-179.06	-465.35	-335.24	558.18	530.29	27.90	20.009		
5,820.00	5,806.52	5,842.53	5,806.52	14.14	16.19	-179.06	-465.35	-335.24	558.18	530.18	28.01	19.931		
5,850.00	5,836.50	5,873.01	5,837.00	14.18	16.23	-178.99	-465.35	-335.12	558.21	529.93	28.28	19.741		
5,880.00	5,866.38	5,904.52	5,868.46	14.22	16.27	-178.89	-465.31	-333.39	558.26	529.91	28.34	19.696		
5,910.00	5,896.02	5,936.11	5,899.81	14.24	16.29	-178.81	-465.22	-329.58	558.30	529.91	28.39	19.667		
5,940.00	5,925.32	5,967.77	5,930.91	14.25	16.31	-178.76	-465.08	-323.69	558.34	529.92	28.41	19.651		
5,970.00	5,954.16	5,999.48	5,961.60	14.26	16.31	-178.73	-464.90	-315.74	558.37	529.95	28.42	19.648		
6,000.00	5,982.43	6,031.25	5,991.75	14.26	16.31	-178.72	-464.67	-305.75	558.40	530.00	28.41	19.656		
6,030.00	6,010.00	6,063.06	6,021.21	14.25	16.29	-178.74	-464.39	-293.76	558.43	530.04	28.39	19.672		
6,060.00	6,036.79	6,094.90	6,049.83	14.24	16.27	-178.79	-464.07	-279.82	558.45	530.09	28.36	19.692		
6,090.00	6,062.67	6,126.77	6,077.48	14.23	16.25	-178.86	-463.71	-263.99	558.47	530.14	28.33	19.713		
6,120.00	6,087.55	6,158.66	6,104.03	14.22	16.22	-178.95	-463.30	-246.34	558.48	530.17	28.31	19.728		
6,150.00	6,111.33	6,190.56	6,129.35	14.22	16.18	-179.06	-462.86	-226.96	558.48	530.18	28.30	19.734		
6,180.00	6,133.91	6,222.45	6,153.32	14.23	16.15	-179.19	-462.37	-205.93	558.48	530.16	28.32	19.722		
6,210.00	6,155.21	6,254.34	6,175.82	14.26	16.11	-179.35	-461.85	-183.35	558.48	530.11	28.37	19.686		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,240.00	6,175.14	6,286.21	6,196.76	14.30	16.07	-179.51	-461.30	-159.33	558.46	530.00	28.46	19.621		
6,270.00	6,193.63	6,318.05	6,216.03	14.37	16.04	-179.69	-460.72	-134.00	558.44	529.84	28.61	19.521		
6,300.00	6,210.59	6,349.86	6,233.55	14.47	16.00	-179.87	-460.11	-107.47	558.42	529.61	28.81	19.383		
6,330.00	6,225.97	6,381.63	6,249.24	14.60	15.97	-179.94	-459.47	-79.86	558.39	529.30	29.09	19.195		
6,360.00	6,239.70	6,413.34	6,263.05	14.77	15.94	-179.75	-458.82	-51.33	558.36	528.92	29.44	18.964		
6,390.00	6,251.73	6,444.99	6,274.90	14.97	15.92	-179.55	-458.14	-21.99	558.33	528.45	29.87	18.691		
6,420.00	6,262.01	6,476.58	6,284.77	15.21	15.91	-179.37	-457.45	8.00	558.29	527.91	30.38	18.378		
6,450.00	6,270.50	6,508.09	6,292.62	15.49	15.93	-179.19	-456.75	38.50	558.25	527.28	30.97	18.027		
6,480.00	6,277.17	6,539.52	6,298.43	15.81	16.03	-179.02	-456.04	69.38	558.20	526.57	31.63	17.646		
6,510.00	6,281.99	6,570.87	6,302.19	16.17	16.28	-178.86	-455.33	100.48	558.16	525.79	32.37	17.244		
6,540.00	6,284.94	6,602.12	6,303.89	16.55	16.66	-178.72	-454.61	131.68	558.12	524.95	33.16	16.829		
6,570.00	6,286.01	6,632.61	6,303.90	16.96	17.11	-178.67	-453.91	162.16	558.08	524.06	34.03	16.401		
6,580.16	6,286.03	6,642.77	6,303.84	17.11	17.26	-178.67	-453.67	172.32	558.08	523.75	34.33	16.256		
6,600.00	6,285.79	6,662.61	6,303.74	17.40	17.57	-178.67	-453.22	192.15	558.09	523.17	34.92	15.980		
6,630.00	6,285.53	6,692.61	6,303.57	17.90	18.05	-178.67	-452.53	222.14	558.10	522.22	35.88	15.555		
6,660.00	6,285.27	6,722.61	6,303.40	18.39	18.59	-178.67	-451.84	252.13	558.10	521.21	36.89	15.128		
6,690.00	6,285.00	6,752.61	6,303.24	18.89	19.14	-178.67	-451.15	282.13	558.11	520.18	37.92	14.716		
6,720.00	6,284.74	6,782.61	6,303.07	19.44	19.69	-178.67	-450.46	312.12	558.11	519.11	39.01	14.308		
6,750.00	6,284.48	6,812.61	6,302.90	20.01	20.26	-178.67	-449.77	342.11	558.12	517.98	40.14	13.904		
6,780.00	6,284.22	6,842.61	6,302.74	20.58	20.87	-178.67	-449.08	372.10	558.13	516.81	41.31	13.510		
6,810.00	6,283.96	6,872.61	6,302.57	21.17	21.49	-178.67	-448.39	402.09	558.13	515.63	42.50	13.132		
6,840.00	6,283.69	6,902.61	6,302.41	21.79	22.10	-178.67	-447.70	432.08	558.14	514.41	43.73	12.763		
6,870.00	6,283.43	6,932.61	6,302.24	22.42	22.76	-178.67	-447.01	462.08	558.15	513.14	45.01	12.401		
6,900.00	6,283.17	6,962.61	6,302.07	23.05	23.41	-178.67	-446.32	492.07	558.15	511.87	46.28	12.060		
6,930.00	6,282.91	6,992.61	6,301.91	23.71	24.07	-178.67	-445.63	522.06	558.16	510.56	47.60	11.726		
6,960.00	6,282.65	7,022.61	6,301.74	24.38	24.75	-178.67	-444.94	552.05	558.16	509.22	48.94	11.405		
6,990.00	6,282.38	7,052.61	6,301.58	25.05	25.44	-178.67	-444.25	582.04	558.17	507.88	50.29	11.098		
7,020.00	6,282.12	7,082.61	6,301.41	25.74	26.12	-178.67	-443.56	612.03	558.18	506.51	51.67	10.803		
7,050.00	6,281.86	7,112.61	6,301.24	26.44	26.82	-178.67	-442.87	642.02	558.18	505.12	53.06	10.519		
7,080.00	6,281.60	7,142.61	6,301.08	27.14	27.54	-178.67	-442.18	672.02	558.19	503.71	54.48	10.247		
7,110.00	6,281.34	7,172.61	6,300.91	27.84	28.25	-178.67	-441.49	702.01	558.20	502.30	55.90	9.986		
7,140.00	6,281.08	7,202.61	6,300.75	28.57	28.97	-178.67	-440.80	732.00	558.20	500.87	57.33	9.736		
7,170.00	6,280.81	7,232.61	6,300.58	29.29	29.71	-178.67	-440.11	761.99	558.21	499.42	58.79	9.495		
7,200.00	6,280.55	7,262.61	6,300.41	30.01	30.44	-178.67	-439.42	791.98	558.21	497.97	60.25	9.265		
7,230.00	6,280.29	7,292.61	6,300.25	30.76	31.18	-178.67	-438.73	821.97	558.22	496.50	61.72	9.044		
7,260.00	6,280.03	7,322.61	6,300.08	31.50	31.92	-178.67	-438.04	851.96	558.23	495.01	63.21	8.831		
7,290.00	6,279.77	7,352.61	6,299.91	32.24	32.67	-178.67	-437.35	881.96	558.23	493.53	64.71	8.627		
7,320.00	6,279.50	7,382.61	6,299.75	32.99	33.43	-178.67	-436.66	911.95	558.24	492.03	66.21	8.432		
7,350.00	6,279.24	7,412.61	6,299.58	33.75	34.18	-178.67	-435.97	941.94	558.25	490.53	67.72	8.243		
7,380.00	6,278.98	7,442.61	6,299.42	34.51	34.95	-178.67	-435.28	971.93	558.25	489.01	69.24	8.062		
7,410.00	6,278.72	7,472.61	6,299.25	35.27	35.71	-178.67	-434.59	1,001.92	558.26	487.49	70.77	7.889		
7,440.00	6,278.46	7,502.61	6,299.08	36.04	36.48	-178.67	-433.90	1,031.91	558.27	485.97	72.30	7.721		
7,470.00	6,278.20	7,532.61	6,298.92	36.81	37.25	-178.67	-433.21	1,061.90	558.27	484.43	73.84	7.560		
7,500.00	6,277.93	7,562.61	6,298.75	37.58	38.02	-178.67	-432.52	1,091.90	558.28	482.89	75.39	7.405		
7,530.00	6,277.67	7,592.61	6,298.59	38.36	38.80	-178.67	-431.83	1,121.89	558.29	481.35	76.94	7.256		
7,560.00	6,277.41	7,622.61	6,298.42	39.14	39.58	-178.67	-431.14	1,151.88	558.29	479.79	78.50	7.112		
7,590.00	6,277.15	7,652.61	6,298.25	39.91	40.36	-178.67	-430.45	1,181.87	558.30	478.24	80.06	6.973		
7,620.00	6,276.89	7,682.61	6,298.09	40.70	41.15	-178.67	-429.76	1,211.86	558.31	476.68	81.63	6.840		
7,650.00	6,276.62	7,712.61	6,297.92	41.49	41.93	-178.67	-429.07	1,241.85	558.31	475.11	83.20	6.710		
7,680.00	6,276.36	7,742.61	6,297.76	42.27	42.72	-178.67	-428.38	1,271.84	558.32	473.54	84.78	6.586		
7,710.00	6,276.10	7,772.61	6,297.59	43.06	43.51	-178.67	-427.69	1,301.84	558.33	471.97	86.36	6.465		
7,740.00	6,275.84	7,802.61	6,297.42	43.85	44.30	-178.67	-427.00	1,331.83	558.33	470.40	87.94	6.349		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,770.00	6,275.58	7,832.61	6,297.26	44.65	45.10	178.67	-426.32	1,361.82	558.34	468.81	89.53	6.237		
7,800.00	6,275.31	7,862.61	6,297.09	45.44	45.89	178.67	-425.63	1,391.81	558.35	467.23	91.12	6.128		
7,830.00	6,275.05	7,892.61	6,296.93	46.24	46.69	178.67	-424.94	1,421.80	558.35	465.64	92.71	6.023		
7,860.00	6,274.79	7,922.61	6,296.76	47.04	47.49	178.67	-424.25	1,451.79	558.36	464.05	94.31	5.921		
7,890.00	6,274.53	7,952.61	6,296.59	47.84	48.29	178.67	-423.56	1,481.78	558.37	462.46	95.91	5.822		
7,920.00	6,274.27	7,982.61	6,296.43	48.64	49.09	178.67	-422.87	1,511.78	558.37	460.87	97.51	5.726		
7,950.00	6,274.01	8,012.60	6,296.26	49.44	49.89	178.67	-422.18	1,541.77	558.38	459.27	99.11	5.634		
7,980.00	6,273.74	8,042.60	6,296.09	50.25	50.70	178.67	-421.49	1,571.76	558.39	457.67	100.72	5.544		
8,010.00	6,273.48	8,072.60	6,295.93	51.05	51.50	178.67	-420.80	1,601.75	558.39	456.07	102.33	5.457		
8,040.00	6,273.22	8,102.60	6,295.76	51.86	52.31	178.67	-420.11	1,631.74	558.40	454.46	103.94	5.372		
8,070.00	6,272.96	8,132.60	6,295.60	52.67	53.11	178.67	-419.42	1,661.73	558.41	452.85	105.56	5.290		
8,100.00	6,272.70	8,162.60	6,295.43	53.47	53.92	178.67	-418.73	1,691.72	558.42	451.24	107.17	5.211		
8,130.00	6,272.43	8,192.60	6,295.26	54.28	54.73	178.67	-418.04	1,721.72	558.42	449.63	108.79	5.133		
8,160.00	6,272.17	8,222.60	6,295.10	55.09	55.54	178.67	-417.35	1,751.71	558.43	448.02	110.41	5.058		
8,190.00	6,271.91	8,252.60	6,294.93	55.90	56.35	178.67	-416.66	1,781.70	558.44	446.41	112.03	4.985		
8,220.00	6,271.65	8,282.60	6,294.77	56.72	57.16	178.67	-415.97	1,811.69	558.44	444.79	113.65	4.914		
8,250.00	6,271.39	8,312.60	6,294.60	57.53	57.98	178.67	-415.28	1,841.68	558.45	443.17	115.28	4.844		
8,280.00	6,271.12	8,342.60	6,294.43	58.34	58.79	178.67	-414.59	1,871.67	558.46	441.55	116.91	4.777		
8,310.00	6,270.86	8,372.60	6,294.27	59.16	59.61	178.67	-413.90	1,901.66	558.46	439.93	118.53	4.711		
8,340.00	6,270.60	8,402.60	6,294.10	59.97	60.42	178.67	-413.21	1,931.66	558.47	438.31	120.16	4.648		
8,370.00	6,270.34	8,432.60	6,293.94	60.79	61.24	178.67	-412.52	1,961.65	558.48	436.68	121.79	4.585		
8,400.00	6,270.08	8,462.60	6,293.77	61.61	62.05	178.67	-411.83	1,991.64	558.49	435.06	123.43	4.525		
8,430.00	6,269.82	8,492.60	6,293.60	62.42	62.87	178.67	-411.14	2,021.63	558.49	433.43	125.06	4.466		
8,460.00	6,269.55	8,522.60	6,293.44	63.24	63.69	178.67	-410.45	2,051.62	558.50	431.81	126.69	4.408		
8,490.00	6,269.29	8,552.60	6,293.27	64.06	64.51	178.67	-409.76	2,081.61	558.51	430.18	128.33	4.352		
8,520.00	6,269.03	8,582.60	6,293.10	64.88	65.33	178.67	-409.07	2,111.61	558.51	428.55	129.97	4.297		
8,550.00	6,268.77	8,612.60	6,292.94	65.70	66.14	178.67	-408.38	2,141.60	558.52	426.92	131.60	4.244		
8,580.00	6,268.51	8,642.60	6,292.77	66.52	66.96	178.67	-407.69	2,171.59	558.53	425.29	133.24	4.192		
8,610.00	6,268.24	8,672.60	6,292.61	67.34	67.79	178.67	-407.00	2,201.58	558.54	423.65	134.88	4.141		
8,640.00	6,267.98	8,702.60	6,292.44	68.16	68.61	178.67	-406.31	2,231.57	558.54	422.02	136.52	4.091		
8,670.00	6,267.72	8,732.60	6,292.27	68.98	69.43	178.67	-405.62	2,261.56	558.55	420.38	138.17	4.043		
8,700.00	6,267.46	8,762.60	6,292.11	69.81	70.25	178.67	-404.93	2,291.55	558.56	418.75	139.81	3.995		
8,730.00	6,267.20	8,792.60	6,291.94	70.63	71.07	178.67	-404.24	2,321.55	558.56	417.11	141.45	3.949		
8,760.00	6,266.94	8,822.60	6,291.78	71.45	71.89	178.67	-403.55	2,351.54	558.57	415.48	143.10	3.903		
8,790.00	6,266.67	8,852.60	6,291.61	72.28	72.72	178.67	-402.86	2,381.53	558.58	413.84	144.74	3.859		
8,820.00	6,266.41	8,882.60	6,291.44	73.10	73.54	178.67	-402.17	2,411.52	558.59	412.20	146.39	3.816		
8,850.00	6,266.15	8,912.60	6,291.28	73.92	74.37	178.67	-401.48	2,441.51	558.59	410.56	148.03	3.773		
8,880.00	6,265.89	8,942.60	6,291.11	74.75	75.19	178.67	-400.79	2,471.50	558.60	408.92	149.68	3.732		
8,910.00	6,265.63	8,972.60	6,290.95	75.57	76.02	178.67	-400.10	2,501.49	558.61	407.28	151.33	3.691		
8,940.00	6,265.36	9,002.60	6,290.78	76.40	76.84	178.67	-399.41	2,531.49	558.62	405.64	152.98	3.652		
8,970.00	6,265.10	9,032.60	6,290.61	77.22	77.67	178.67	-398.72	2,561.48	558.62	403.99	154.63	3.613		
9,000.00	6,264.84	9,062.60	6,290.45	78.05	78.49	178.67	-398.03	2,591.47	558.63	402.35	156.28	3.575		
9,030.00	6,264.58	9,092.60	6,290.28	78.88	79.32	178.67	-397.34	2,621.46	558.64	400.71	157.93	3.537		
9,060.00	6,264.32	9,122.60	6,290.11	79.70	80.14	178.67	-396.65	2,651.45	558.65	399.07	159.58	3.501		
9,090.00	6,264.05	9,152.60	6,289.95	80.53	80.97	178.67	-395.96	2,681.44	558.65	397.42	161.23	3.465		
9,120.00	6,263.79	9,182.60	6,289.78	81.36	81.80	178.67	-395.27	2,711.43	558.66	395.78	162.88	3.430		
9,150.00	6,263.53	9,212.60	6,289.62	82.19	82.63	178.67	-394.58	2,741.43	558.67	394.13	164.54	3.395		
9,180.00	6,263.27	9,242.60	6,289.45	83.01	83.45	178.67	-393.89	2,771.42	558.68	392.48	166.19	3.362		
9,210.00	6,263.01	9,272.60	6,289.28	83.84	84.28	178.67	-393.20	2,801.41	558.68	390.84	167.85	3.329		
9,240.00	6,262.75	9,302.60	6,289.12	84.67	85.11	178.67	-392.51	2,831.40	558.69	389.19	169.50	3.296		
9,270.00	6,262.48	9,332.60	6,288.95	85.50	85.94	178.67	-391.82	2,861.39	558.70	387.54	171.15	3.264		
9,300.00	6,262.22	9,362.60	6,288.79	86.33	86.77	178.67	-391.13	2,891.38	558.71	385.90	172.81	3.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,330.00	6,261.96	9,392.60	6,288.62	87.16	87.59	178.67	-390.44	2,921.37	558.71	384.25	174.47	3.202		
9,360.00	6,261.70	9,422.60	6,288.45	87.99	88.42	178.67	-389.76	2,951.37	558.72	382.60	176.12	3.172		
9,390.00	6,261.44	9,452.60	6,288.29	88.82	89.25	178.67	-389.07	2,981.36	558.73	380.95	177.78	3.143		
9,420.00	6,261.17	9,482.60	6,288.12	89.65	90.08	178.67	-388.38	3,011.35	558.74	379.30	179.44	3.114		
9,450.00	6,260.91	9,512.60	6,287.96	90.48	90.91	178.67	-387.69	3,041.34	558.74	377.65	181.09	3.085		
9,480.00	6,260.65	9,542.60	6,287.79	91.31	91.74	178.67	-387.00	3,071.33	558.75	376.00	182.75	3.057		
9,510.00	6,260.39	9,572.60	6,287.62	92.14	92.57	178.67	-386.31	3,101.32	558.76	374.35	184.41	3.030		
9,540.00	6,260.13	9,602.60	6,287.46	92.97	93.40	178.67	-385.62	3,131.31	558.77	372.70	186.07	3.003		
9,570.00	6,259.87	9,632.60	6,287.29	93.80	94.23	178.67	-384.93	3,161.31	558.78	371.05	187.73	2.977		
9,600.00	6,259.60	9,662.60	6,287.13	94.63	95.06	178.67	-384.24	3,191.30	558.78	369.40	189.39	2.951		
9,630.00	6,259.34	9,692.60	6,286.96	95.46	95.90	178.67	-383.55	3,221.29	558.79	367.75	191.05	2.925		
9,660.00	6,259.08	9,722.60	6,286.79	96.29	96.73	178.67	-382.86	3,251.28	558.80	366.09	192.71	2.900		
9,690.00	6,258.82	9,752.60	6,286.63	97.12	97.56	178.67	-382.17	3,281.27	558.81	364.44	194.37	2.875		
9,720.00	6,258.56	9,782.60	6,286.46	97.96	98.39	178.67	-381.48	3,311.26	558.81	362.79	196.03	2.851		
9,750.00	6,258.29	9,812.60	6,286.29	98.79	99.22	178.67	-380.79	3,341.25	558.82	361.14	197.69	2.827		
9,780.00	6,258.03	9,842.60	6,286.13	99.62	100.05	178.67	-380.10	3,371.25	558.83	359.48	199.35	2.803		
9,810.00	6,257.77	9,872.60	6,285.96	100.45	100.89	178.67	-379.41	3,401.24	558.84	357.83	201.01	2.780		
9,840.00	6,257.51	9,902.60	6,285.80	101.28	101.72	178.67	-378.72	3,431.23	558.85	356.17	202.67	2.757		
9,870.00	6,257.25	9,932.60	6,285.63	102.12	102.55	178.67	-378.03	3,461.22	558.85	354.52	204.33	2.735		
9,900.00	6,256.98	9,962.60	6,285.46	102.95	103.38	178.67	-377.34	3,491.21	558.86	352.87	205.99	2.713		
9,930.00	6,256.72	9,992.60	6,285.30	103.78	104.21	178.67	-376.65	3,521.20	558.87	351.21	207.66	2.691		
9,960.00	6,256.46	10,022.59	6,285.13	104.62	105.05	178.67	-375.96	3,551.20	558.88	349.56	209.32	2.670		
9,990.00	6,256.20	10,052.59	6,284.97	105.45	105.88	178.67	-375.27	3,581.19	558.89	347.90	210.98	2.649		
10,020.00	6,255.94	10,082.59	6,284.80	106.28	106.71	178.67	-374.58	3,611.18	558.89	346.25	212.65	2.628		
10,050.00	6,255.68	10,112.59	6,284.63	107.12	107.55	178.67	-373.89	3,641.17	558.90	344.59	214.31	2.608		
10,080.00	6,255.41	10,142.59	6,284.47	107.95	108.38	178.67	-373.20	3,671.16	558.91	342.94	215.97	2.588		
10,110.00	6,255.15	10,172.59	6,284.30	108.78	109.21	178.67	-372.51	3,701.15	558.92	341.28	217.64	2.568		
10,140.00	6,254.89	10,202.59	6,284.14	109.62	110.05	178.67	-371.82	3,731.14	558.93	339.63	219.30	2.549		
10,170.00	6,254.63	10,232.59	6,283.97	110.45	110.88	178.67	-371.13	3,761.14	558.93	337.97	220.96	2.530		
10,200.00	6,254.37	10,262.59	6,283.80	111.28	111.71	178.67	-370.44	3,791.13	558.94	336.31	222.63	2.511		
10,230.00	6,254.10	10,292.59	6,283.64	112.12	112.55	178.67	-369.75	3,821.12	558.95	334.66	224.29	2.492		
10,260.00	6,253.84	10,322.59	6,283.47	112.95	113.38	178.67	-369.06	3,851.11	558.96	333.00	225.96	2.474		
10,290.00	6,253.58	10,352.59	6,283.30	113.79	114.22	178.67	-368.37	3,881.10	558.97	331.34	227.62	2.456		
10,320.00	6,253.32	10,382.59	6,283.14	114.62	115.05	178.67	-367.68	3,911.09	558.97	329.69	229.29	2.438		
10,350.00	6,253.06	10,412.59	6,282.97	115.46	115.88	178.67	-366.99	3,941.08	558.98	328.03	230.95	2.420		
10,380.00	6,252.79	10,442.59	6,282.81	116.29	116.72	178.67	-366.30	3,971.08	558.99	326.37	232.62	2.403		
10,410.00	6,252.53	10,472.59	6,282.64	117.12	117.55	178.67	-365.61	4,001.07	559.00	324.72	234.28	2.386		
10,440.00	6,252.27	10,502.59	6,282.47	117.96	118.39	178.67	-364.92	4,031.06	559.01	323.06	235.95	2.369		
10,470.00	6,252.01	10,532.59	6,282.31	118.79	119.22	178.67	-364.23	4,061.05	559.01	321.40	237.61	2.353		
10,500.00	6,251.75	10,562.59	6,282.14	119.63	120.06	178.67	-363.54	4,091.04	559.02	319.74	239.28	2.336		
10,530.00	6,251.49	10,592.59	6,281.98	120.46	120.89	178.67	-362.85	4,121.03	559.03	318.09	240.95	2.320		
10,560.00	6,251.22	10,622.59	6,281.81	121.30	121.73	178.67	-362.16	4,151.02	559.04	316.43	242.61	2.304		
10,590.00	6,250.96	10,652.59	6,281.64	122.13	122.56	178.66	-361.47	4,181.02	559.05	314.77	244.28	2.289		
10,620.00	6,250.70	10,682.59	6,281.48	122.97	123.40	178.66	-360.78	4,211.01	559.06	313.11	245.94	2.273		
10,650.00	6,250.44	10,712.59	6,281.31	123.81	124.23	178.66	-360.09	4,241.00	559.06	311.45	247.61	2.258		
10,680.00	6,250.18	10,742.59	6,281.15	124.64	125.07	178.66	-359.40	4,270.99	559.07	309.79	249.28	2.243		
10,710.00	6,249.91	10,772.59	6,280.98	125.48	125.90	178.66	-358.71	4,300.98	559.08	308.14	250.94	2.228		
10,740.00	6,249.65	10,802.59	6,280.81	126.31	126.74	178.66	-358.02	4,330.97	559.09	306.48	252.61	2.213		
10,770.00	6,249.39	10,832.59	6,280.65	127.15	127.57	178.66	-357.33	4,360.96	559.10	304.82	254.28	2.199		
10,800.00	6,249.13	10,862.59	6,280.48	127.98	128.41	178.66	-356.64	4,390.96	559.11	303.16	255.95	2.184		
10,830.00	6,248.87	10,892.59	6,280.32	128.82	129.24	178.66	-355.95	4,420.95	559.11	301.50	257.61	2.170		
10,860.00	6,248.61	10,922.59	6,280.15	129.66	130.08	178.66	-355.26	4,450.94	559.12	299.84	259.28	2.156		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,890.00	6,248.34	10,952.59	6,279.98	130.49	130.92	178.66	-354.57	4,480.93	559.13	298.18	260.95	2.143		
10,920.00	6,248.08	10,982.59	6,279.82	131.33	131.75	178.66	-353.88	4,510.92	559.14	296.52	262.62	2.129		
10,950.00	6,247.82	11,012.59	6,279.65	132.16	132.59	178.66	-353.20	4,540.91	559.15	294.87	264.28	2.116		
10,980.00	6,247.56	11,042.59	6,279.48	133.00	133.42	178.66	-352.51	4,570.90	559.16	293.21	265.95	2.102		
11,010.00	6,247.30	11,072.59	6,279.32	133.84	134.26	178.66	-351.82	4,600.90	559.17	291.55	267.62	2.089		
11,040.00	6,247.03	11,102.59	6,279.15	134.67	135.10	178.66	-351.13	4,630.89	559.17	289.89	269.29	2.076		
11,070.00	6,246.77	11,132.59	6,278.99	135.51	135.93	178.66	-350.44	4,660.88	559.18	288.23	270.95	2.064		
11,100.00	6,246.51	11,162.59	6,278.82	136.34	136.77	178.66	-349.75	4,690.87	559.19	286.57	272.62	2.051		
11,130.00	6,246.25	11,192.59	6,278.65	137.18	137.61	178.66	-349.06	4,720.86	559.20	284.91	274.29	2.039		
11,160.00	6,245.99	11,222.59	6,278.49	138.02	138.44	178.66	-348.37	4,750.85	559.21	283.25	275.96	2.026		
11,190.00	6,245.72	11,252.59	6,278.32	138.85	139.28	178.66	-347.68	4,780.84	559.22	281.59	277.63	2.014		
11,220.00	6,245.46	11,282.59	6,278.16	139.69	140.11	178.66	-346.99	4,810.84	559.23	279.93	279.30	2.002		
11,250.00	6,245.20	11,312.59	6,277.99	140.53	140.95	178.66	-346.30	4,840.83	559.23	278.27	280.96	1.990		
11,280.00	6,244.94	11,342.59	6,277.82	141.36	141.79	178.66	-345.61	4,870.82	559.24	276.61	282.63	1.979		
11,310.00	6,244.68	11,372.59	6,277.66	142.20	142.62	178.66	-344.92	4,900.81	559.25	274.95	284.30	1.967		
11,340.00	6,244.42	11,402.59	6,277.49	143.04	143.46	178.66	-344.23	4,930.80	559.26	273.29	285.97	1.956		
11,370.00	6,244.15	11,432.59	6,277.33	143.88	144.30	178.66	-343.54	4,960.79	559.27	271.63	287.64	1.944		
11,400.00	6,243.89	11,462.59	6,277.16	144.71	145.13	178.66	-342.85	4,990.78	559.28	269.97	289.31	1.933		
11,430.00	6,243.63	11,492.59	6,276.99	145.55	145.97	178.66	-342.16	5,020.77	559.29	268.31	290.98	1.922		
11,460.00	6,243.37	11,522.59	6,276.83	146.39	146.81	178.66	-341.47	5,050.77	559.29	266.65	292.65	1.911		
11,490.00	6,243.11	11,552.59	6,276.66	147.22	147.65	178.66	-340.78	5,080.76	559.30	264.99	294.32	1.900		
11,520.00	6,242.84	11,582.59	6,276.49	148.06	148.48	178.66	-340.09	5,110.75	559.31	263.33	295.98	1.890		
11,550.00	6,242.58	11,612.59	6,276.33	148.90	149.32	178.66	-339.40	5,140.74	559.32	261.67	297.65	1.879		
11,580.00	6,242.32	11,642.59	6,276.16	149.74	150.16	178.66	-338.71	5,170.73	559.33	260.01	299.32	1.869		
11,610.00	6,242.06	11,672.59	6,276.00	150.57	150.99	178.66	-338.02	5,200.73	559.34	258.35	300.99	1.858		
11,640.00	6,241.80	11,702.59	6,275.83	151.41	151.83	178.66	-337.33	5,230.72	559.35	256.69	302.66	1.848		
11,670.00	6,241.53	11,732.59	6,275.66	152.25	152.67	178.66	-336.64	5,260.71	559.36	255.03	304.33	1.838		
11,700.00	6,241.27	11,762.59	6,275.50	153.08	153.51	178.66	-335.95	5,290.70	559.37	253.37	306.00	1.828		
11,730.00	6,241.01	11,792.59	6,275.33	153.92	154.34	178.66	-335.26	5,320.69	559.37	251.71	307.67	1.818		
11,760.00	6,240.75	11,822.59	6,275.17	154.76	155.18	178.66	-334.57	5,350.68	559.38	250.04	309.34	1.808		
11,790.00	6,240.49	11,852.59	6,275.00	155.60	156.02	178.66	-333.88	5,380.67	559.39	248.38	311.01	1.799		
11,820.00	6,240.23	11,882.59	6,274.83	156.44	156.86	178.66	-333.19	5,410.67	559.40	246.72	312.68	1.789		
11,850.00	6,239.96	11,912.59	6,274.67	157.27	157.69	178.66	-332.50	5,440.66	559.41	245.06	314.35	1.780		
11,880.00	6,239.70	11,942.59	6,274.50	158.11	158.53	178.66	-331.81	5,470.65	559.42	243.40	316.02	1.770		
11,910.00	6,239.44	11,972.59	6,274.34	158.95	159.37	178.66	-331.12	5,500.64	559.43	241.74	317.69	1.761		
11,940.00	6,239.18	12,002.59	6,274.17	159.79	160.21	178.66	-330.43	5,530.63	559.44	240.08	319.36	1.752		
11,970.00	6,238.92	12,032.59	6,274.00	160.62	161.04	178.66	-329.74	5,560.62	559.45	238.42	321.03	1.743		
12,000.00	6,238.65	12,062.59	6,273.84	161.46	161.88	178.66	-329.05	5,590.61	559.46	236.76	322.70	1.734		
12,030.00	6,238.39	12,092.59	6,273.67	162.30	162.72	178.66	-328.36	5,620.61	559.46	235.10	324.37	1.725		
12,060.00	6,238.13	12,122.59	6,273.50	163.14	163.56	178.66	-327.67	5,650.60	559.47	233.44	326.04	1.716		
12,090.00	6,237.87	12,152.59	6,273.34	163.98	164.39	178.66	-326.98	5,680.59	559.48	231.78	327.71	1.707		
12,120.00	6,237.61	12,182.59	6,273.17	164.81	165.23	178.66	-326.29	5,710.58	559.49	230.12	329.38	1.699		
12,150.00	6,237.35	12,212.59	6,273.01	165.65	166.07	178.66	-325.60	5,740.57	559.50	228.46	331.05	1.690		
12,180.00	6,237.08	12,242.59	6,272.84	166.49	166.91	178.66	-324.91	5,770.56	559.51	226.79	332.72	1.682		
12,210.00	6,236.82	12,272.59	6,272.67	167.33	167.75	178.66	-324.22	5,800.55	559.52	225.13	334.38	1.673		
12,240.00	6,236.56	12,302.59	6,272.51	168.17	168.58	178.66	-323.53	5,830.55	559.53	223.47	336.05	1.665		
12,270.00	6,236.30	12,332.59	6,272.34	169.00	169.42	178.66	-322.84	5,860.54	559.54	221.81	337.73	1.657		
12,300.00	6,236.04	12,362.59	6,272.18	169.84	170.26	178.66	-322.15	5,890.53	559.55	220.15	339.39	1.649		
12,330.00	6,235.77	12,392.59	6,272.01	170.68	171.10	178.66	-321.46	5,920.52	559.56	218.49	341.06	1.641		
12,360.00	6,235.51	12,422.59	6,271.84	171.52	171.94	178.66	-320.77	5,950.51	559.57	216.83	342.74	1.633		
12,390.00	6,235.25	12,452.59	6,271.68	172.36	172.78	178.66	-320.08	5,980.50	559.57	215.17	344.40	1.625		
12,420.00	6,234.99	12,482.59	6,271.51	173.20	173.61	178.66	-319.39	6,010.49	559.58	213.51	346.07	1.617		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,450.00	6,234.73	12,512.58	6,271.35	174.03	174.45	178.66	-318.70	6,040.49	559.59	211.85	347.75	1.609		
12,480.00	6,234.46	12,542.58	6,271.18	174.87	175.29	178.66	-318.01	6,070.48	559.60	210.19	349.42	1.602		
12,510.00	6,234.20	12,572.58	6,271.01	175.71	176.13	178.66	-317.32	6,100.47	559.61	208.53	351.09	1.594		
12,540.00	6,233.94	12,602.58	6,270.85	176.55	176.97	178.66	-316.64	6,130.46	559.62	206.87	352.76	1.586		
12,570.00	6,233.68	12,632.58	6,270.68	177.39	177.81	178.66	-315.95	6,160.45	559.63	205.20	354.43	1.579		
12,600.00	6,233.42	12,662.58	6,270.52	178.23	178.64	178.66	-315.26	6,190.44	559.64	203.54	356.10	1.572		
12,630.00	6,233.16	12,692.58	6,270.35	179.06	179.48	178.66	-314.57	6,220.43	559.65	201.88	357.77	1.564		
12,660.00	6,232.89	12,722.58	6,270.18	179.90	180.32	178.66	-313.88	6,250.43	559.66	200.22	359.44	1.557		
12,690.00	6,232.63	12,752.58	6,270.02	180.74	181.16	178.66	-313.19	6,280.42	559.67	198.56	361.11	1.550		
12,720.00	6,232.37	12,782.58	6,269.85	181.58	182.00	178.66	-312.50	6,310.41	559.68	196.90	362.78	1.543		
12,750.00	6,232.11	12,812.58	6,269.68	182.42	182.84	178.66	-311.81	6,340.40	559.69	195.24	364.45	1.536		
12,780.00	6,231.85	12,842.58	6,269.52	183.26	183.67	178.66	-311.12	6,370.39	559.70	193.58	366.12	1.529		
12,810.00	6,231.58	12,872.58	6,269.35	184.10	184.51	178.66	-310.43	6,400.38	559.71	191.92	367.79	1.522		
12,840.00	6,231.32	12,902.58	6,269.19	184.93	185.35	178.66	-309.74	6,430.37	559.72	190.26	369.46	1.515		
12,870.00	6,231.06	12,932.58	6,269.02	185.77	186.19	178.66	-309.05	6,460.37	559.72	188.60	371.13	1.508		
12,900.00	6,230.80	12,962.58	6,268.85	186.61	187.03	178.66	-308.36	6,490.36	559.73	186.94	372.80	1.501		
12,930.00	6,230.54	12,992.58	6,268.69	187.45	187.87	178.66	-307.67	6,520.35	559.74	185.28	374.47	1.495 Level 3		
12,960.00	6,230.27	13,022.58	6,268.52	188.29	188.71	178.66	-306.98	6,550.34	559.75	183.62	376.14	1.488 Level 3		
12,990.00	6,230.01	13,052.58	6,268.36	189.13	189.55	178.66	-306.29	6,580.33	559.76	181.95	377.81	1.482 Level 3		
13,020.00	6,229.75	13,082.58	6,268.19	189.97	190.38	178.66	-305.60	6,610.32	559.77	180.29	379.48	1.475 Level 3		
13,050.00	6,229.49	13,112.58	6,268.02	190.81	191.22	178.66	-304.91	6,640.31	559.78	178.63	381.15	1.469 Level 3		
13,080.00	6,229.23	13,142.58	6,267.86	191.64	192.06	178.66	-304.22	6,670.31	559.79	176.97	382.82	1.462 Level 3		
13,110.00	6,228.97	13,172.58	6,267.69	192.48	192.90	178.66	-303.53	6,700.30	559.80	175.31	384.49	1.456 Level 3		
13,140.00	6,228.70	13,202.58	6,267.53	193.32	193.74	178.66	-302.84	6,730.29	559.81	173.65	386.16	1.450 Level 3		
13,170.00	6,228.44	13,232.58	6,267.36	194.16	194.58	178.66	-302.15	6,760.28	559.82	171.99	387.83	1.443 Level 3		
13,200.00	6,228.18	13,262.58	6,267.19	195.00	195.42	178.66	-301.46	6,790.27	559.83	170.33	389.50	1.437 Level 3		
13,230.00	6,227.92	13,292.58	6,267.03	195.84	196.26	178.66	-300.77	6,820.26	559.84	168.67	391.17	1.431 Level 3		
13,260.00	6,227.66	13,322.58	6,266.86	196.68	197.09	178.66	-300.08	6,850.26	559.85	167.01	392.84	1.425 Level 3		
13,290.00	6,227.39	13,352.58	6,266.69	197.52	197.93	178.66	-299.39	6,880.25	559.86	165.35	394.51	1.419 Level 3		
13,320.00	6,227.13	13,382.58	6,266.53	198.36	198.77	178.66	-298.70	6,910.24	559.87	163.69	396.18	1.413 Level 3		
13,350.00	6,226.87	13,412.58	6,266.36	199.20	199.61	178.66	-298.01	6,940.23	559.88	162.03	397.85	1.407 Level 3		
13,380.00	6,226.61	13,442.58	6,266.20	200.03	200.45	178.66	-297.32	6,970.22	559.89	160.37	399.52	1.401 Level 3		
13,410.00	6,226.35	13,472.58	6,266.03	200.87	201.29	178.66	-296.63	7,000.21	559.90	158.71	401.19	1.396 Level 3		
13,440.00	6,226.09	13,502.58	6,265.86	201.71	202.13	178.66	-295.94	7,030.20	559.91	157.05	402.86	1.390 Level 3		
13,470.00	6,225.82	13,532.58	6,265.70	202.55	202.97	178.66	-295.25	7,060.20	559.92	155.39	404.53	1.384 Level 3		
13,500.00	6,225.56	13,562.58	6,265.53	203.39	203.81	178.66	-294.56	7,090.19	559.93	153.73	406.20	1.378 Level 3		
13,530.00	6,225.30	13,592.58	6,265.37	204.23	204.65	178.66	-293.87	7,120.18	559.94	152.07	407.87	1.373 Level 3		
13,560.00	6,225.04	13,622.58	6,265.20	205.07	205.49	178.66	-293.18	7,150.17	559.95	150.41	409.54	1.367 Level 3		
13,590.00	6,224.78	13,652.58	6,265.03	205.91	206.32	178.66	-292.49	7,180.16	559.96	148.75	411.21	1.362 Level 3		
13,620.00	6,224.51	13,682.58	6,264.87	206.75	207.16	178.66	-291.80	7,210.15	559.97	147.09	412.88	1.356 Level 3		
13,650.00	6,224.25	13,712.58	6,264.70	207.59	208.00	178.66	-291.11	7,240.14	559.98	145.43	414.55	1.351 Level 3		
13,680.00	6,223.99	13,742.58	6,264.54	208.43	208.84	178.66	-290.42	7,270.14	559.99	143.77	416.22	1.345 Level 3		
13,710.00	6,223.73	13,772.58	6,264.37	209.27	209.68	178.66	-289.73	7,300.13	560.00	142.11	417.89	1.340 Level 3		
13,740.00	6,223.47	13,802.58	6,264.20	210.11	210.52	178.66	-289.04	7,330.12	560.01	140.45	419.56	1.335 Level 3		
13,770.00	6,223.20	13,832.58	6,264.04	210.94	211.36	178.66	-288.35	7,360.11	560.02	138.79	421.23	1.329 Level 3		
13,800.00	6,222.94	13,862.58	6,263.87	211.78	212.20	178.66	-287.66	7,390.10	560.03	137.13	422.90	1.324 Level 3		
13,830.00	6,222.68	13,892.58	6,263.71	212.62	213.04	178.66	-286.97	7,420.09	560.04	135.47	424.57	1.319 Level 3		
13,860.00	6,222.42	13,922.58	6,263.54	213.46	213.88	178.66	-286.28	7,450.08	560.05	133.81	426.24	1.314 Level 3		
13,890.00	6,222.16	13,952.58	6,263.37	214.30	214.72	178.66	-285.59	7,480.08	560.06	132.15	427.91	1.309 Level 3		
13,920.00	6,221.90	13,982.58	6,263.21	215.14	215.56	178.66	-284.90	7,510.07	560.07	130.49	429.58	1.304 Level 3		
13,950.00	6,221.63	14,012.58	6,263.04	215.98	216.40	178.66	-284.21	7,540.06	560.08	128.83	431.25	1.299 Level 3		
13,980.00	6,221.37	14,042.58	6,262.87	216.82	217.23	178.66	-283.52	7,570.05	560.09	127.17	432.92	1.294 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,010.00	6,221.11	14,072.57	6,262.71	217.66	218.07	178.66	-282.83	7,600.04	560.10	125.51	434.59	1.289	Level 3	
14,040.00	6,220.85	14,102.57	6,262.54	218.50	218.91	178.66	-282.14	7,630.03	560.11	123.85	436.26	1.284	Level 3	
14,070.00	6,220.59	14,132.57	6,262.38	219.34	219.75	178.66	-281.45	7,660.02	560.12	122.19	437.93	1.279	Level 3	
14,100.00	6,220.32	14,162.57	6,262.21	220.18	220.59	178.66	-280.76	7,690.02	560.13	120.53	439.60	1.274	Level 3	
14,130.00	6,220.06	14,192.57	6,262.04	221.02	221.43	178.66	-280.08	7,720.01	560.14	118.87	441.27	1.269	Level 3	
14,160.00	6,219.80	14,222.57	6,261.88	221.86	222.27	178.66	-279.39	7,750.00	560.15	117.21	442.94	1.265	Level 3	
14,190.00	6,219.54	14,252.57	6,261.71	222.70	223.11	178.66	-278.70	7,779.99	560.16	115.55	444.61	1.260	Level 3	
14,220.00	6,219.28	14,282.57	6,261.55	223.54	223.95	178.66	-278.01	7,809.98	560.17	113.89	446.28	1.255	Level 3	
14,250.00	6,219.02	14,312.57	6,261.38	224.38	224.79	178.66	-277.32	7,839.97	560.18	112.23	447.95	1.251	Level 3	
14,280.00	6,218.75	14,342.57	6,261.21	225.22	225.63	178.66	-276.63	7,869.96	560.19	110.57	449.62	1.246	Level 2	
14,310.00	6,218.49	14,372.57	6,261.05	226.05	226.47	178.66	-275.94	7,899.96	560.20	108.91	451.29	1.241	Level 2	
14,340.00	6,218.23	14,402.57	6,260.88	226.89	227.31	178.66	-275.25	7,929.95	560.21	107.25	452.96	1.237	Level 2	
14,370.00	6,217.97	14,432.57	6,260.72	227.73	228.15	178.66	-274.56	7,959.94	560.22	105.59	454.63	1.232	Level 2	
14,400.00	6,217.71	14,462.57	6,260.55	228.57	228.99	178.66	-273.87	7,989.93	560.23	103.93	456.30	1.228	Level 2	
14,430.00	6,217.44	14,492.57	6,260.38	229.41	229.83	178.66	-273.18	8,019.92	560.24	102.28	457.97	1.223	Level 2	
14,460.00	6,217.18	14,522.57	6,260.22	230.25	230.67	178.66	-272.49	8,049.91	560.25	100.62	459.64	1.219	Level 2	
14,490.00	6,216.92	14,552.57	6,260.05	231.09	231.51	178.66	-271.80	8,079.90	560.26	98.96	461.31	1.215	Level 2	
14,520.00	6,216.66	14,582.57	6,259.88	231.93	232.35	178.66	-271.11	8,109.90	560.27	97.30	462.98	1.210	Level 2	
14,550.00	6,216.40	14,612.57	6,259.72	232.77	233.19	178.66	-270.42	8,139.89	560.28	95.64	464.64	1.206	Level 2	
14,580.00	6,216.13	14,642.57	6,259.55	233.61	234.03	178.66	-269.73	8,169.88	560.29	93.98	466.31	1.202	Level 2	
14,610.00	6,215.87	14,672.57	6,259.39	234.45	234.86	178.66	-269.04	8,199.87	560.30	92.32	467.98	1.197	Level 2	
14,640.00	6,215.61	14,702.57	6,259.22	235.29	235.70	178.66	-268.35	8,229.86	560.32	90.66	469.65	1.193	Level 2	
14,670.00	6,215.35	14,732.57	6,259.05	236.13	236.54	178.66	-267.66	8,259.85	560.33	89.00	471.32	1.189	Level 2	
14,700.00	6,215.09	14,762.57	6,258.89	236.97	237.38	178.66	-266.97	8,289.85	560.34	87.34	472.99	1.185	Level 2	
14,730.00	6,214.83	14,792.57	6,258.72	237.81	238.22	178.66	-266.28	8,319.84	560.35	85.69	474.66	1.181	Level 2	
14,760.00	6,214.56	14,822.57	6,258.56	238.65	239.06	178.66	-265.59	8,349.83	560.36	84.03	476.33	1.176	Level 2	
14,790.00	6,214.30	14,852.57	6,258.39	239.49	239.90	178.66	-264.90	8,379.82	560.37	82.37	478.00	1.172	Level 2	
14,820.00	6,214.04	14,882.57	6,258.22	240.33	240.74	178.66	-264.21	8,409.81	560.38	80.71	479.67	1.168	Level 2	
14,850.00	6,213.78	14,912.57	6,258.06	241.17	241.58	178.66	-263.52	8,439.80	560.39	79.05	481.34	1.164	Level 2	
14,880.00	6,213.52	14,942.57	6,257.89	242.01	242.42	178.66	-262.83	8,469.79	560.40	77.39	483.01	1.160	Level 2	
14,910.00	6,213.25	14,972.57	6,257.73	242.85	243.26	178.66	-262.14	8,499.79	560.41	75.74	484.68	1.156	Level 2	
14,940.00	6,212.99	15,002.57	6,257.56	243.69	244.10	178.66	-261.45	8,529.78	560.42	74.08	486.34	1.152	Level 2	
14,970.00	6,212.73	15,032.57	6,257.39	244.53	244.94	178.66	-260.76	8,559.77	560.43	72.42	488.01	1.148	Level 2	
15,000.00	6,212.47	15,062.57	6,257.23	245.37	245.78	178.66	-260.07	8,589.76	560.44	70.76	489.68	1.145	Level 2	
15,030.00	6,212.21	15,092.57	6,257.06	246.21	246.62	178.66	-259.38	8,619.75	560.45	69.10	491.35	1.141	Level 2	
15,060.00	6,211.94	15,122.57	6,256.90	247.05	247.46	178.66	-258.69	8,649.74	560.46	67.44	493.02	1.137	Level 2	
15,090.00	6,211.68	15,152.57	6,256.73	247.89	248.30	178.66	-258.00	8,679.73	560.47	65.79	494.69	1.133	Level 2	
15,120.00	6,211.42	15,182.57	6,256.56	248.73	249.14	178.66	-257.31	8,709.73	560.48	64.13	496.36	1.129	Level 2	
15,150.00	6,211.16	15,212.57	6,256.40	249.57	249.98	178.66	-256.62	8,739.72	560.50	62.47	498.03	1.125	Level 2	
15,180.00	6,210.90	15,242.57	6,256.23	250.41	250.82	178.66	-255.93	8,769.71	560.51	60.81	499.69	1.122	Level 2	
15,210.00	6,210.64	15,272.57	6,256.06	251.25	251.66	178.66	-255.24	8,799.70	560.52	59.15	501.36	1.118	Level 2	
15,240.00	6,210.37	15,302.57	6,255.90	252.09	252.50	178.66	-254.55	8,829.69	560.53	57.50	503.03	1.114	Level 2	
15,270.00	6,210.11	15,332.57	6,255.73	252.93	253.34	178.66	-253.86	8,859.68	560.54	55.84	504.70	1.111	Level 2	
15,300.00	6,209.85	15,362.57	6,255.57	253.77	254.18	178.66	-253.17	8,889.67	560.55	54.18	506.37	1.107	Level 2	
15,330.00	6,209.59	15,392.57	6,255.40	254.61	255.02	178.66	-252.48	8,919.67	560.56	52.52	508.04	1.103	Level 2	
15,360.00	6,209.33	15,422.57	6,255.23	255.45	255.86	178.66	-251.79	8,949.66	560.57	50.86	509.71	1.100	Level 2	
15,390.00	6,209.06	15,452.57	6,255.07	256.29	256.70	178.66	-251.10	8,979.65	560.58	49.21	511.37	1.096	Level 2	
15,420.00	6,208.80	15,482.57	6,254.90	257.13	257.54	178.66	-250.41	9,009.64	560.59	47.55	513.04	1.093	Level 2	
15,450.00	6,208.54	15,512.57	6,254.74	257.97	258.38	178.66	-249.72	9,039.63	560.60	45.89	514.71	1.089	Level 2	
15,480.00	6,208.28	15,542.57	6,254.57	258.81	259.22	178.66	-249.03	9,069.62	560.61	44.23	516.38	1.086	Level 2	
15,510.00	6,208.02	15,572.57	6,254.40	259.65	260.06	178.66	-248.34	9,099.61	560.63	42.58	518.05	1.082	Level 2	
15,540.00	6,207.76	15,602.57	6,254.24	260.49	260.90	178.66	-247.65	9,129.61	560.64	40.92	519.72	1.079	Level 2	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

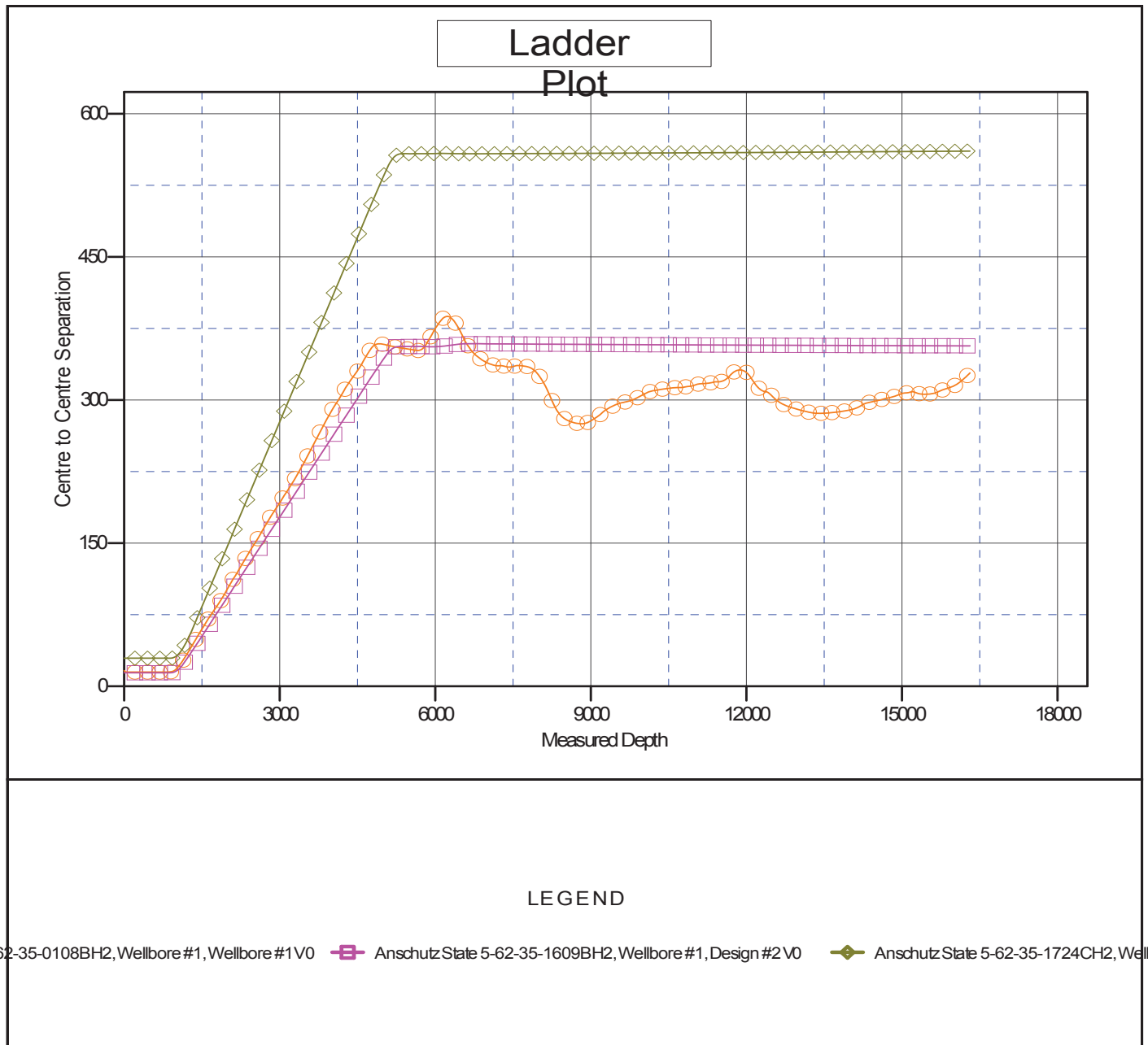
Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Offset Design Sec.35-T5N-R62W - Anschutz State 5-62-35-1724CH2 - Wellbore #1 - Design #2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,570.00	6,207.49	15,632.57	6,254.07	261.33	261.74	178.66	-246.96	9,159.60	560.65	39.26	521.38	1.075	Level 2
15,600.00	6,207.23	15,662.57	6,253.91	262.17	262.58	178.66	-246.27	9,189.59	560.66	37.61	523.05	1.072	Level 2
15,630.00	6,206.97	15,692.57	6,253.74	263.01	263.42	178.66	-245.58	9,219.58	560.67	35.95	524.72	1.069	Level 2
15,660.00	6,206.71	15,722.57	6,253.57	263.85	264.26	178.66	-244.89	9,249.57	560.68	34.29	526.39	1.065	Level 2
15,690.00	6,206.45	15,752.57	6,253.41	264.69	265.10	178.66	-244.20	9,279.56	560.69	32.63	528.06	1.062	Level 2
15,720.00	6,206.18	15,782.57	6,253.24	265.53	265.94	178.66	-243.52	9,309.55	560.70	30.98	529.73	1.058	Level 2
15,750.00	6,205.92	15,812.57	6,253.07	266.37	266.78	178.66	-242.83	9,339.55	560.71	29.32	531.39	1.055	Level 2
15,780.00	6,205.66	15,842.57	6,252.91	267.21	267.62	178.66	-242.14	9,369.54	560.73	27.66	533.06	1.052	Level 2
15,810.00	6,205.40	15,872.57	6,252.74	268.05	268.46	178.66	-241.45	9,399.53	560.74	26.01	534.73	1.049	Level 2
15,840.00	6,205.14	15,902.56	6,252.58	268.89	269.30	178.66	-240.76	9,429.52	560.75	24.35	536.40	1.045	Level 2
15,870.00	6,204.87	15,932.56	6,252.41	269.73	270.14	178.66	-240.07	9,459.51	560.76	22.69	538.07	1.042	Level 2
15,900.00	6,204.61	15,962.56	6,252.24	270.57	270.98	178.66	-239.38	9,489.50	560.77	21.04	539.73	1.039	Level 2
15,930.00	6,204.35	15,992.56	6,252.08	271.41	271.82	178.66	-238.69	9,519.49	560.78	19.38	541.40	1.036	Level 2
15,960.00	6,204.09	16,022.56	6,251.91	272.25	272.66	178.66	-238.00	9,549.49	560.79	17.72	543.07	1.033	Level 2
15,990.00	6,203.83	16,052.56	6,251.75	273.09	273.50	178.66	-237.31	9,579.48	560.80	16.07	544.74	1.029	Level 2
16,020.00	6,203.57	16,082.56	6,251.58	273.93	274.34	178.66	-236.62	9,609.47	560.81	14.41	546.40	1.026	Level 2
16,050.00	6,203.30	16,112.56	6,251.41	274.77	275.18	178.66	-235.93	9,639.46	560.83	12.75	548.07	1.023	Level 2
16,080.00	6,203.04	16,142.56	6,251.25	275.61	276.02	178.66	-235.24	9,669.45	560.84	11.10	549.74	1.020	Level 2
16,110.00	6,202.78	16,172.56	6,251.08	276.45	276.86	178.65	-234.55	9,699.44	560.85	9.44	551.41	1.017	Level 2
16,140.00	6,202.52	16,202.56	6,250.92	277.29	277.70	178.65	-233.86	9,729.43	560.86	7.79	553.07	1.014	Level 2
16,170.00	6,202.26	16,232.56	6,250.75	278.13	278.54	178.65	-233.17	9,759.43	560.87	6.13	554.74	1.011	Level 2
16,200.00	6,201.99	16,262.56	6,250.58	278.97	279.38	178.65	-232.48	9,789.42	560.88	4.47	556.41	1.008	Level 2
16,230.00	6,201.73	16,292.56	6,250.42	279.81	280.22	178.65	-231.79	9,819.41	560.89	2.82	558.08	1.005	Level 2
16,260.00	6,201.47	16,322.56	6,250.25	280.65	281.06	178.65	-231.10	9,849.40	560.90	1.16	559.74	1.002	Level 2
16,290.00	6,201.21	16,352.56	6,250.08	281.49	281.90	178.65	-230.41	9,879.39	560.92	-0.49	561.41	0.999	Level 1
16,294.91	6,201.17	16,357.48	6,250.06	281.63	282.04	178.65	-230.30	9,884.31	560.92	-0.77	561.68	0.999	Level 1
16,313.34	6,201.00	16,367.46	6,250.00	282.14	282.32	179.52	-230.07	9,894.28	560.99	-1.49	562.47	0.997	Level 1, ES, SF

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Reference Depths are relative to WELL @ 4663.00usft (Original Well E
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Anschutz State 5-62-35-1609CH2
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.78°



Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1609CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
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Reference Well:	Anschutz State 5-62-35-1609CH2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMDBBW
Reference Design:	Design #2	Offset TVD Reference:	Reference Datum

Reference Depths are relative to WELL @ 4663.00usft (Original Well E
Offset Depths are relative to Offset Datum
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Coordinates are relative to: Anschutz State 5-62-35-1609CH2
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