



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.35-T5N-R62W

Anschutz State 5-62-35-1724CH2

Wellbore #1

Plan: Design #2

Standard Planning Report

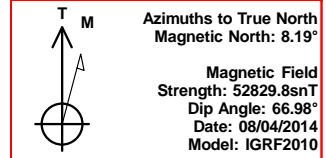
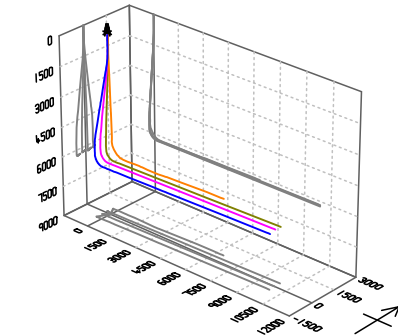
23 January, 2015

Archer



Bill Barrett Corp.
Project: Weld Co., CO
Site: Sec.35-T5N-R62W
Well: Anschutz State 5-62-35-1724CH2
Wellbore: Wellbore #1
Design: Design #2
Lat: 40° 21' 39.510 N
Long: 104° 17' 55.730 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	Vsect	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
1390.35	9.81	209.69	1387.96	-36.37	-20.74	2.00	209.69	-21.57	Start 3501.79 hold at 1390.35 MD
4892.14	9.81	209.69	4838.58	-554.50	-316.20	0.00	0.00	-328.89	Start Drop -2.00
5382.49	0.00	0.00	5326.54	-590.87	-336.94	2.00	180.00	-350.46	Start 500.00 hold at 5382.49 MD
5882.49	0.00	0.00	5826.54	-590.87	-336.94	0.00	0.00	-350.46	Start Build 12.00
6635.14	90.32	88.68	6304.00	-579.83	143.04	12.00	88.68	129.65	Start 9756.54 hold at 6635.14 MD
16391.68	90.32	88.68	6250.00	-355.38	9896.85	0.00	0.00	9886.04	TD at 16391.68

WELL DETAILS: Anschutz State 5-62-35-1724CH2

+N/-S	+E/-W	Northing	Ground Level: Easting	4640.00 Latitude	Longitude	Slot
0.00	0.00	1376610.878	3334725.082	40° 21' 39.510 N	104° 17' 55.730 W	

PROJECT DETAILS: Weld Co., CO

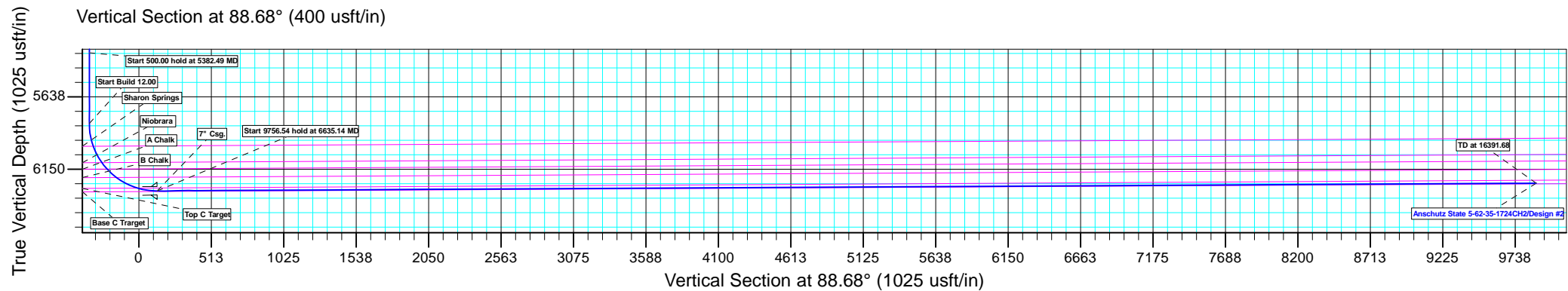
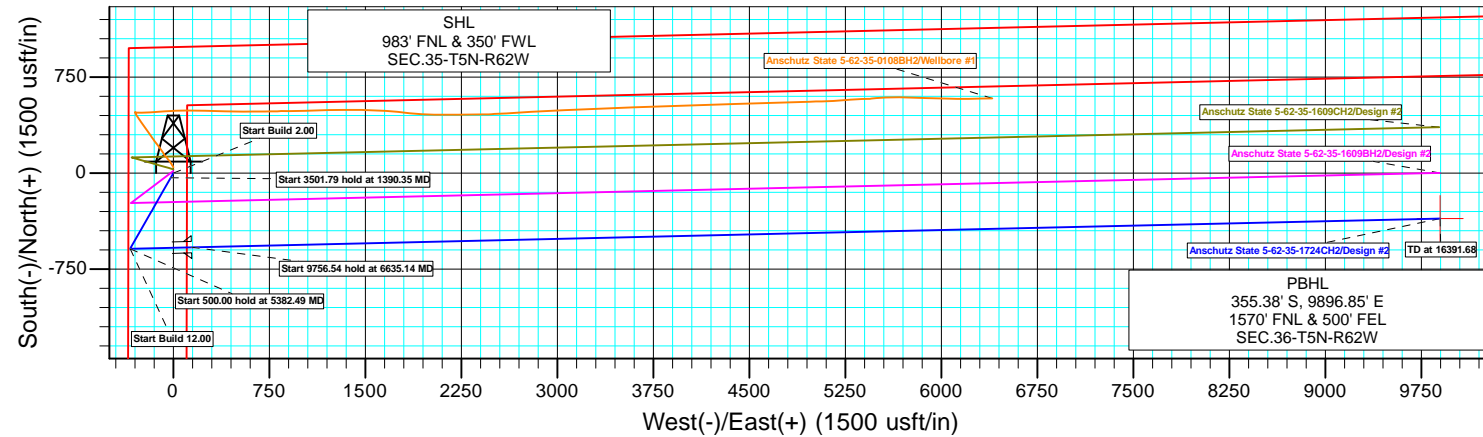
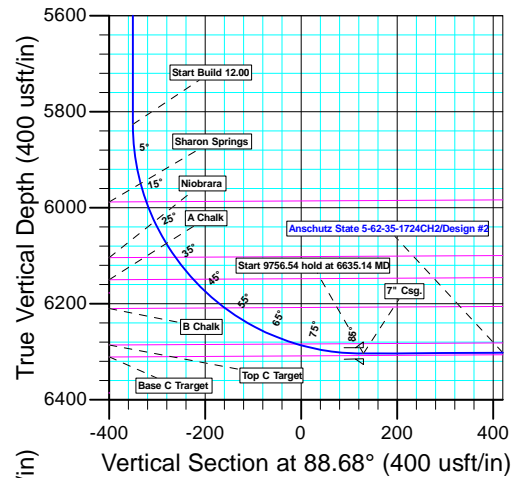
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name
6304.00	6635.14	7" Csg.

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
Anschutz State 5-62-35-1724CH2 tgt	6250.00	-355.38	9896.85	40° 21' 35.978 N	104° 15' 47.880 W	



Plan: Design #2 (Anschutz State 5-62-35-1724CH2/Wellbore #1)

Created By: Ricky Osburn Date: 8:36, January 23 2015

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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 5-62-35-1724CH2					
Well Position	+N/-S	1,324.56 usft	Northing:	1,376,610.878 usft	Latitude:	40° 21' 39.510 N
	+E/-W	3.07 usft	Easting:	3,334,725.082 usft	Longitude:	104° 17' 55.730 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	
1,390.35	9.81	209.69	1,387.96	-36.37	-20.74	2.00	2.00	0.00	209.69	
4,892.14	9.81	209.69	4,838.58	-554.50	-316.20	0.00	0.00	0.00	0.00	
5,382.49	0.00	0.00	5,326.54	-590.87	-336.94	2.00	-2.00	0.00	180.00	
5,882.49	0.00	0.00	5,826.54	-590.87	-336.94	0.00	0.00	0.00	0.00	
6,635.14	90.32	88.68	6,304.00	-579.83	143.04	12.00	12.00	0.00	88.68	Anschutz State 5-62-35-1724CH2
16,391.68	90.32	88.68	6,250.00	-355.38	9,896.85	0.00	0.00	0.00	0.00	Anschutz State 5-62-35-1724CH2

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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	209.69	999.98	-1.52	-0.86	-0.90	2.00	2.00	0.00
1,100.00	4.00	209.69	1,099.84	-6.06	-3.46	-3.60	2.00	2.00	0.00
1,200.00	6.00	209.69	1,199.45	-13.63	-7.77	-8.09	2.00	2.00	0.00
1,300.00	8.00	209.69	1,298.70	-24.22	-13.81	-14.36	2.00	2.00	0.00
Start 3501.79 hold at 1390.35 MD									
1,390.35	9.81	209.69	1,387.96	-36.37	-20.74	-21.57	2.00	2.00	0.00
1,400.00	9.81	209.69	1,397.47	-37.79	-21.55	-22.42	0.00	0.00	0.00
1,500.00	9.81	209.69	1,496.01	-52.59	-29.99	-31.19	0.00	0.00	0.00
1,600.00	9.81	209.69	1,594.55	-67.39	-38.43	-39.97	0.00	0.00	0.00
1,700.00	9.81	209.69	1,693.08	-82.18	-46.86	-48.74	0.00	0.00	0.00
1,800.00	9.81	209.69	1,791.62	-96.98	-55.30	-57.52	0.00	0.00	0.00
1,900.00	9.81	209.69	1,890.16	-111.78	-63.74	-66.30	0.00	0.00	0.00
2,000.00	9.81	209.69	1,988.70	-126.57	-72.18	-75.07	0.00	0.00	0.00
2,100.00	9.81	209.69	2,087.24	-141.37	-80.61	-83.85	0.00	0.00	0.00
2,200.00	9.81	209.69	2,185.78	-156.16	-89.05	-92.63	0.00	0.00	0.00
2,300.00	9.81	209.69	2,284.32	-170.96	-97.49	-101.40	0.00	0.00	0.00
2,400.00	9.81	209.69	2,382.86	-185.76	-105.93	-110.18	0.00	0.00	0.00
2,500.00	9.81	209.69	2,481.39	-200.55	-114.36	-118.95	0.00	0.00	0.00
2,600.00	9.81	209.69	2,579.93	-215.35	-122.80	-127.73	0.00	0.00	0.00
2,700.00	9.81	209.69	2,678.47	-230.15	-131.24	-136.51	0.00	0.00	0.00
2,800.00	9.81	209.69	2,777.01	-244.94	-139.68	-145.28	0.00	0.00	0.00
2,900.00	9.81	209.69	2,875.55	-259.74	-148.11	-154.06	0.00	0.00	0.00
3,000.00	9.81	209.69	2,974.09	-274.54	-156.55	-162.83	0.00	0.00	0.00
3,100.00	9.81	209.69	3,072.63	-289.33	-164.99	-171.61	0.00	0.00	0.00
3,200.00	9.81	209.69	3,171.16	-304.13	-173.43	-180.39	0.00	0.00	0.00
3,300.00	9.81	209.69	3,269.70	-318.92	-181.86	-189.16	0.00	0.00	0.00
3,400.00	9.81	209.69	3,368.24	-333.72	-190.30	-197.94	0.00	0.00	0.00
3,500.00	9.81	209.69	3,466.78	-348.52	-198.74	-206.72	0.00	0.00	0.00
3,600.00	9.81	209.69	3,565.32	-363.31	-207.18	-215.49	0.00	0.00	0.00
3,700.00	9.81	209.69	3,663.86	-378.11	-215.62	-224.27	0.00	0.00	0.00
3,800.00	9.81	209.69	3,762.40	-392.91	-224.05	-233.04	0.00	0.00	0.00
3,900.00	9.81	209.69	3,860.94	-407.70	-232.49	-241.82	0.00	0.00	0.00
4,000.00	9.81	209.69	3,959.47	-422.50	-240.93	-250.60	0.00	0.00	0.00
4,100.00	9.81	209.69	4,058.01	-437.30	-249.37	-259.37	0.00	0.00	0.00
Sussex									
4,199.95	9.81	209.69	4,156.50	-452.08	-257.80	-268.14	0.00	0.00	0.00
4,200.00	9.81	209.69	4,156.55	-452.09	-257.80	-268.15	0.00	0.00	0.00
4,300.00	9.81	209.69	4,255.09	-466.89	-266.24	-276.93	0.00	0.00	0.00
4,400.00	9.81	209.69	4,353.63	-481.68	-274.68	-285.70	0.00	0.00	0.00
4,500.00	9.81	209.69	4,452.17	-496.48	-283.12	-294.48	0.00	0.00	0.00
4,600.00	9.81	209.69	4,550.71	-511.28	-291.55	-303.25	0.00	0.00	0.00
4,700.00	9.81	209.69	4,649.25	-526.07	-299.99	-312.03	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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									
4,742.13	9.81	209.69	4,690.76	-532.31	-303.55	-315.73	0.00	0.00	0.00
4,800.00	9.81	209.69	4,747.78	-540.87	-308.43	-320.81	0.00	0.00	0.00
Start Drop -2.00									
4,892.14	9.81	209.69	4,838.58	-554.50	-316.20	-328.89	0.00	0.00	0.00
4,900.00	9.65	209.69	4,846.32	-555.66	-316.86	-329.58	2.00	-2.00	0.00
5,000.00	7.65	209.69	4,945.18	-568.72	-324.31	-337.33	2.00	-2.00	0.00
5,100.00	5.65	209.69	5,044.50	-578.78	-330.05	-343.29	2.00	-2.00	0.00
5,200.00	3.65	209.69	5,144.17	-585.82	-334.06	-347.47	2.00	-2.00	0.00
5,300.00	1.65	209.69	5,244.06	-589.84	-336.35	-349.85	2.00	-2.00	0.00
Start 500.00 hold at 5382.49 MD									
5,382.49	0.00	0.00	5,326.54	-590.87	-336.94	-350.46	2.00	-2.00	0.00
5,400.00	0.00	0.00	5,344.05	-590.87	-336.94	-350.46	0.00	0.00	0.00
5,500.00	0.00	0.00	5,444.05	-590.87	-336.94	-350.46	0.00	0.00	0.00
5,600.00	0.00	0.00	5,544.05	-590.87	-336.94	-350.46	0.00	0.00	0.00
5,700.00	0.00	0.00	5,644.05	-590.87	-336.94	-350.46	0.00	0.00	0.00
5,800.00	0.00	0.00	5,744.05	-590.87	-336.94	-350.46	0.00	0.00	0.00
Start Build 12.00									
5,882.49	0.00	0.00	5,826.54	-590.87	-336.94	-350.46	0.00	0.00	0.00
5,900.00	2.10	88.68	5,844.04	-590.86	-336.62	-350.14	12.00	12.00	0.00
5,925.00	5.10	88.68	5,868.99	-590.83	-335.05	-348.57	12.00	12.00	0.00
5,950.00	8.10	88.68	5,893.82	-590.76	-332.18	-345.70	12.00	12.00	0.00
5,975.00	11.10	88.68	5,918.47	-590.66	-328.01	-341.53	12.00	12.00	0.00
6,000.00	14.10	88.68	5,942.86	-590.54	-322.56	-336.08	12.00	12.00	0.00
6,025.00	17.10	88.68	5,966.94	-590.38	-315.84	-329.35	12.00	12.00	0.00
Sharon Springs									
6,046.99	19.74	88.68	5,987.80	-590.22	-308.89	-322.40	12.00	12.00	0.00
6,050.00	20.10	88.68	5,990.63	-590.20	-307.87	-321.38	12.00	12.00	0.00
6,075.00	23.10	88.68	6,013.87	-589.99	-298.67	-312.18	12.00	12.00	0.00
6,100.00	26.10	88.68	6,036.60	-589.75	-288.26	-301.77	12.00	12.00	0.00
6,125.00	29.10	88.68	6,058.75	-589.48	-276.68	-290.19	12.00	12.00	0.00
6,150.00	32.10	88.68	6,080.27	-589.19	-263.96	-277.46	12.00	12.00	0.00
6,175.00	35.10	88.68	6,101.09	-588.87	-250.13	-263.63	12.00	12.00	0.00
Niobrara									
6,177.91	35.45	88.68	6,103.46	-588.83	-248.45	-261.95	12.00	12.00	0.00
6,200.00	38.10	88.68	6,121.16	-588.53	-235.23	-248.73	12.00	12.00	0.00
6,225.00	41.10	88.68	6,140.42	-588.16	-219.30	-232.79	12.00	12.00	0.00
A Chalk									
6,236.86	42.52	88.68	6,149.26	-587.98	-211.40	-224.89	12.00	12.00	0.00
6,250.00	44.10	88.68	6,158.82	-587.77	-202.39	-215.87	12.00	12.00	0.00
6,275.00	47.10	88.68	6,176.31	-587.36	-184.53	-198.01	12.00	12.00	0.00
6,300.00	50.10	88.68	6,192.84	-586.93	-165.79	-179.26	12.00	12.00	0.00
6,325.00	53.10	88.68	6,208.37	-586.48	-146.20	-159.67	12.00	12.00	0.00
B Chalk									
6,325.87	53.21	88.68	6,208.89	-586.46	-145.50	-158.97	12.00	12.00	0.00
6,350.00	56.10	88.68	6,222.85	-586.01	-125.83	-139.30	12.00	12.00	0.00
6,375.00	59.10	88.68	6,236.24	-585.53	-104.73	-118.19	12.00	12.00	0.00
6,400.00	62.10	88.68	6,248.51	-585.03	-82.96	-96.41	12.00	12.00	0.00
6,425.00	65.10	88.68	6,259.62	-584.51	-60.57	-74.02	12.00	12.00	0.00
6,450.00	68.10	88.68	6,269.55	-583.98	-37.64	-51.08	12.00	12.00	0.00
6,475.00	71.10	88.68	6,278.26	-583.44	-14.21	-27.65	12.00	12.00	0.00
Top C Target									
6,493.98	73.38	88.68	6,284.05	-583.03	3.85	-9.58	12.00	12.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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)
6,500.00	74.10	88.68	6,285.74	-582.90	9.63	-3.80	12.00	12.00	0.00
6,525.00	77.10	88.68	6,291.96	-582.34	33.84	20.42	12.00	12.00	0.00
6,550.00	80.10	88.68	6,296.90	-581.77	58.34	44.92	12.00	12.00	0.00
6,575.00	83.10	88.68	6,300.55	-581.21	83.06	69.65	12.00	12.00	0.00
6,600.00	86.10	88.68	6,302.90	-580.63	107.94	94.53	12.00	12.00	0.00
6,625.00	89.10	88.68	6,303.95	-580.06	132.91	119.51	12.00	12.00	0.00
Start 9756.54 hold at 6635.14 MD - 7" Csg.									
6,635.14	90.32	88.68	6,304.00	-579.83	143.04	129.65	12.00	12.00	0.00
6,700.00	90.32	88.68	6,303.64	-578.33	207.89	194.51	0.00	0.00	0.00
6,800.00	90.32	88.68	6,303.09	-576.03	307.86	294.51	0.00	0.00	0.00
6,900.00	90.32	88.68	6,302.53	-573.73	407.83	394.51	0.00	0.00	0.00
7,000.00	90.32	88.68	6,301.98	-571.43	507.80	494.50	0.00	0.00	0.00
7,100.00	90.32	88.68	6,301.42	-569.13	607.77	594.50	0.00	0.00	0.00
7,200.00	90.32	88.68	6,300.87	-566.83	707.75	694.50	0.00	0.00	0.00
7,300.00	90.32	88.68	6,300.32	-564.53	807.72	794.50	0.00	0.00	0.00
7,400.00	90.32	88.68	6,299.76	-562.23	907.69	894.50	0.00	0.00	0.00
7,500.00	90.32	88.68	6,299.21	-559.93	1,007.66	994.50	0.00	0.00	0.00
7,600.00	90.32	88.68	6,298.66	-557.63	1,107.63	1,094.49	0.00	0.00	0.00
7,700.00	90.32	88.68	6,298.10	-555.33	1,207.61	1,194.49	0.00	0.00	0.00
7,800.00	90.32	88.68	6,297.55	-553.03	1,307.58	1,294.49	0.00	0.00	0.00
7,900.00	90.32	88.68	6,297.00	-550.73	1,407.55	1,394.49	0.00	0.00	0.00
8,000.00	90.32	88.68	6,296.44	-548.43	1,507.52	1,494.49	0.00	0.00	0.00
8,100.00	90.32	88.68	6,295.89	-546.13	1,607.49	1,594.49	0.00	0.00	0.00
8,200.00	90.32	88.68	6,295.34	-543.83	1,707.47	1,694.49	0.00	0.00	0.00
8,300.00	90.32	88.68	6,294.78	-541.53	1,807.44	1,794.48	0.00	0.00	0.00
8,400.00	90.32	88.68	6,294.23	-539.23	1,907.41	1,894.48	0.00	0.00	0.00
8,500.00	90.32	88.68	6,293.68	-536.93	2,007.38	1,994.48	0.00	0.00	0.00
8,600.00	90.32	88.68	6,293.12	-534.62	2,107.35	2,094.48	0.00	0.00	0.00
8,700.00	90.32	88.68	6,292.57	-532.32	2,207.33	2,194.48	0.00	0.00	0.00
8,800.00	90.32	88.68	6,292.02	-530.02	2,307.30	2,294.48	0.00	0.00	0.00
8,900.00	90.32	88.68	6,291.46	-527.72	2,407.27	2,394.47	0.00	0.00	0.00
9,000.00	90.32	88.68	6,290.91	-525.42	2,507.24	2,494.47	0.00	0.00	0.00
9,100.00	90.32	88.68	6,290.36	-523.12	2,607.21	2,594.47	0.00	0.00	0.00
9,200.00	90.32	88.68	6,289.80	-520.82	2,707.19	2,694.47	0.00	0.00	0.00
9,300.00	90.32	88.68	6,289.25	-518.52	2,807.16	2,794.47	0.00	0.00	0.00
9,400.00	90.32	88.68	6,288.69	-516.22	2,907.13	2,894.47	0.00	0.00	0.00
9,500.00	90.32	88.68	6,288.14	-513.92	3,007.10	2,994.47	0.00	0.00	0.00
9,600.00	90.32	88.68	6,287.59	-511.62	3,107.07	3,094.46	0.00	0.00	0.00
9,700.00	90.32	88.68	6,287.03	-509.32	3,207.05	3,194.46	0.00	0.00	0.00
9,800.00	90.32	88.68	6,286.48	-507.02	3,307.02	3,294.46	0.00	0.00	0.00
9,900.00	90.32	88.68	6,285.93	-504.72	3,406.99	3,394.46	0.00	0.00	0.00
10,000.00	90.32	88.68	6,285.37	-502.42	3,506.96	3,494.46	0.00	0.00	0.00
10,100.00	90.32	88.68	6,284.82	-500.12	3,606.93	3,594.46	0.00	0.00	0.00
10,200.00	90.32	88.68	6,284.27	-497.82	3,706.91	3,694.45	0.00	0.00	0.00
10,300.00	90.32	88.68	6,283.71	-495.52	3,806.88	3,794.45	0.00	0.00	0.00
10,400.00	90.32	88.68	6,283.16	-493.22	3,906.85	3,894.45	0.00	0.00	0.00
10,500.00	90.32	88.68	6,282.61	-490.92	4,006.82	3,994.45	0.00	0.00	0.00
10,600.00	90.32	88.68	6,282.05	-488.62	4,106.79	4,094.45	0.00	0.00	0.00
10,700.00	90.32	88.68	6,281.50	-486.32	4,206.77	4,194.45	0.00	0.00	0.00
10,800.00	90.32	88.68	6,280.95	-484.02	4,306.74	4,294.45	0.00	0.00	0.00
10,900.00	90.32	88.68	6,280.39	-481.71	4,406.71	4,394.44	0.00	0.00	0.00
11,000.00	90.32	88.68	6,279.84	-479.41	4,506.68	4,494.44	0.00	0.00	0.00
11,100.00	90.32	88.68	6,279.29	-477.11	4,606.65	4,594.44	0.00	0.00	0.00

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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)	
11,200.00	90.32	88.68	6,278.73	-474.81	4,706.63	4,694.44	0.00	0.00	0.00	
11,300.00	90.32	88.68	6,278.18	-472.51	4,806.60	4,794.44	0.00	0.00	0.00	
11,400.00	90.32	88.68	6,277.63	-470.21	4,906.57	4,894.44	0.00	0.00	0.00	
11,500.00	90.32	88.68	6,277.07	-467.91	5,006.54	4,994.43	0.00	0.00	0.00	
11,600.00	90.32	88.68	6,276.52	-465.61	5,106.51	5,094.43	0.00	0.00	0.00	
11,700.00	90.32	88.68	6,275.96	-463.31	5,206.49	5,194.43	0.00	0.00	0.00	
11,800.00	90.32	88.68	6,275.41	-461.01	5,306.46	5,294.43	0.00	0.00	0.00	
11,900.00	90.32	88.68	6,274.86	-458.71	5,406.43	5,394.43	0.00	0.00	0.00	
12,000.00	90.32	88.68	6,274.30	-456.41	5,506.40	5,494.43	0.00	0.00	0.00	
12,100.00	90.32	88.68	6,273.75	-454.11	5,606.37	5,594.43	0.00	0.00	0.00	
12,200.00	90.32	88.68	6,273.20	-451.81	5,706.35	5,694.42	0.00	0.00	0.00	
12,300.00	90.32	88.68	6,272.64	-449.51	5,806.32	5,794.42	0.00	0.00	0.00	
12,400.00	90.32	88.68	6,272.09	-447.21	5,906.29	5,894.42	0.00	0.00	0.00	
12,500.00	90.32	88.68	6,271.54	-444.91	6,006.26	5,994.42	0.00	0.00	0.00	
12,600.00	90.32	88.68	6,270.98	-442.61	6,106.23	6,094.42	0.00	0.00	0.00	
12,700.00	90.32	88.68	6,270.43	-440.31	6,206.21	6,194.42	0.00	0.00	0.00	
12,800.00	90.32	88.68	6,269.88	-438.01	6,306.18	6,294.41	0.00	0.00	0.00	
12,900.00	90.32	88.68	6,269.32	-435.71	6,406.15	6,394.41	0.00	0.00	0.00	
13,000.00	90.32	88.68	6,268.77	-433.41	6,506.12	6,494.41	0.00	0.00	0.00	
13,100.00	90.32	88.68	6,268.22	-431.11	6,606.09	6,594.41	0.00	0.00	0.00	
13,200.00	90.32	88.68	6,267.66	-428.80	6,706.07	6,694.41	0.00	0.00	0.00	
13,300.00	90.32	88.68	6,267.11	-426.50	6,806.04	6,794.41	0.00	0.00	0.00	
13,400.00	90.32	88.68	6,266.56	-424.20	6,906.01	6,894.41	0.00	0.00	0.00	
13,500.00	90.32	88.68	6,266.00	-421.90	7,005.98	6,994.40	0.00	0.00	0.00	
13,600.00	90.32	88.68	6,265.45	-419.60	7,105.95	7,094.40	0.00	0.00	0.00	
13,700.00	90.32	88.68	6,264.90	-417.30	7,205.93	7,194.40	0.00	0.00	0.00	
13,800.00	90.32	88.68	6,264.34	-415.00	7,305.90	7,294.40	0.00	0.00	0.00	
13,900.00	90.32	88.68	6,263.79	-412.70	7,405.87	7,394.40	0.00	0.00	0.00	
14,000.00	90.32	88.68	6,263.23	-410.40	7,505.84	7,494.40	0.00	0.00	0.00	
14,100.00	90.32	88.68	6,262.68	-408.10	7,605.81	7,594.40	0.00	0.00	0.00	
14,200.00	90.32	88.68	6,262.13	-405.80	7,705.79	7,694.39	0.00	0.00	0.00	
14,300.00	90.32	88.68	6,261.57	-403.50	7,805.76	7,794.39	0.00	0.00	0.00	
14,400.00	90.32	88.68	6,261.02	-401.20	7,905.73	7,894.39	0.00	0.00	0.00	
14,500.00	90.32	88.68	6,260.47	-398.90	8,005.70	7,994.39	0.00	0.00	0.00	
14,600.00	90.32	88.68	6,259.91	-396.60	8,105.67	8,094.39	0.00	0.00	0.00	
14,700.00	90.32	88.68	6,259.36	-394.30	8,205.65	8,194.39	0.00	0.00	0.00	
14,800.00	90.32	88.68	6,258.81	-392.00	8,305.62	8,294.38	0.00	0.00	0.00	
14,900.00	90.32	88.68	6,258.25	-389.70	8,405.59	8,394.38	0.00	0.00	0.00	
15,000.00	90.32	88.68	6,257.70	-387.40	8,505.56	8,494.38	0.00	0.00	0.00	
15,100.00	90.32	88.68	6,257.15	-385.10	8,605.53	8,594.38	0.00	0.00	0.00	
15,200.00	90.32	88.68	6,256.59	-382.80	8,705.51	8,694.38	0.00	0.00	0.00	
15,300.00	90.32	88.68	6,256.04	-380.50	8,805.48	8,794.38	0.00	0.00	0.00	
15,400.00	90.32	88.68	6,255.49	-378.20	8,905.45	8,894.38	0.00	0.00	0.00	
15,500.00	90.32	88.68	6,254.93	-375.89	9,005.42	8,994.37	0.00	0.00	0.00	
15,600.00	90.32	88.68	6,254.38	-373.59	9,105.39	9,094.37	0.00	0.00	0.00	
15,700.00	90.32	88.68	6,253.83	-371.29	9,205.37	9,194.37	0.00	0.00	0.00	
15,800.00	90.32	88.68	6,253.27	-368.99	9,305.34	9,294.37	0.00	0.00	0.00	
15,900.00	90.32	88.68	6,252.72	-366.69	9,405.31	9,394.37	0.00	0.00	0.00	
16,000.00	90.32	88.68	6,252.17	-364.39	9,505.28	9,494.37	0.00	0.00	0.00	
16,100.00	90.32	88.68	6,251.61	-362.09	9,605.25	9,594.36	0.00	0.00	0.00	
16,200.00	90.32	88.68	6,251.06	-359.79	9,705.23	9,694.36	0.00	0.00	0.00	
16,300.00	90.32	88.68	6,250.50	-357.49	9,805.20	9,794.36	0.00	0.00	0.00	
TD at 16391.68										
16,391.68	90.32	88.68	6,250.00	-355.38	9,896.85	9,886.04	0.00	0.00	0.00	

Database:	EDMDBBW	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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)

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	6,250.00	-355.38	9,896.85	1,376,389.587	3,344,625.841	40° 21' 35.978 N	104° 15' 47.880 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
6,635.14	6,304.00	7" Csg.	7	8-3/4	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,199.95	4,155.00	Sussex		-0.32	88.68	
4,742.13	4,689.00	Shannon		-0.32	88.68	
6,046.99	5,986.00	Sharon Springs		-0.32	88.64	
6,177.91	6,102.00	Niobrara		-0.32	88.68	
6,236.86	6,148.00	A Chalk		-0.32	88.68	
6,325.87	6,208.00	B Chalk		-0.32	88.68	
6,493.98	6,284.00	Top C Target		-0.32	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
1,390.35	1,387.96	-36.37	-20.74	Start 3501.79 hold at 1390.35 MD
4,892.14	4,838.58	-554.50	-316.20	Start Drop -2.00
5,382.49	5,326.54	-590.87	-336.94	Start 500.00 hold at 5382.49 MD
5,882.49	5,826.54	-590.87	-336.94	Start Build 12.00
6,635.14	6,304.00	-579.83	143.04	Start 9756.54 hold at 6635.14 MD
16,391.68	6,250.00	-355.38	9,896.85	TD at 16391.68



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO

Sec.35-T5N-R62W

Anschutz State 5-62-35-1724CH2

Wellbore #1

Design #2

Anticollision Report

23 January, 2015

Archer

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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	2015/01/23		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	16,391.68	Design #2 (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured	Offset Measured	Distance		Separation Factor	Warning
	Depth (usft)	Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
Sec.35-T5N-R62W						
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	798.89	791.89	44.44	41.91	17.570	CC
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	870.00	862.79	44.58	41.75	15.712	ES
Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbo	12,990.00	12,675.00	1,027.69	676.64	2.928	SF
Anschutz State 5-62-35-1609BH2 - Wellbore #1 - Design	900.00	900.00	15.30	11.53	4.059	CC
Anschutz State 5-62-35-1609BH2 - Wellbore #1 - Design	16,391.68	16,275.79	363.94	-190.88	0.656	Level 1, ES, SF
Anschutz State 5-62-35-1609CH2 - Wellbore #1 - Design	900.00	900.00	29.52	25.75	7.830	CC, ES
Anschutz State 5-62-35-1609CH2 - Wellbore #1 - Design	16,391.68	16,302.84	715.28	152.32	1.271	Level 3, SF

Offset Design		Sec.35-T5N-R62W - Anschutz State 5-62-35-0108BH2 - Wellbore #1 - Wellbore #1											Offset Site Error:	0.00 usft
Survey Program:		800-MWD, 11757-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	7.00	0.00	0.00	1.08	44.44	0.84	44.99					
30.00	30.00	23.00	30.00	0.01	0.03	1.08	44.44	0.84	44.44	44.41	0.03	1,338.743		
60.00	60.00	53.00	60.00	0.04	0.06	1.08	44.44	0.84	44.44	44.34	0.10	444.642		
90.00	90.00	83.00	90.00	0.08	0.09	1.08	44.44	0.84	44.44	44.28	0.17	266.593		
120.00	120.00	113.00	120.00	0.13	0.12	1.08	44.44	0.84	44.44	44.19	0.26	173.647		
150.00	150.00	143.00	150.00	0.20	0.16	1.08	44.44	0.84	44.44	44.09	0.36	124.697		
180.00	180.00	173.00	180.00	0.27	0.19	1.08	44.44	0.84	44.44	43.99	0.46	97.276		
210.00	210.00	203.00	210.00	0.33	0.22	1.08	44.44	0.84	44.44	43.89	0.56	79.740		
240.00	240.00	233.00	240.00	0.40	0.26	1.08	44.44	0.84	44.44	43.79	0.66	67.562		
270.00	270.00	263.00	270.00	0.47	0.29	1.08	44.44	0.84	44.44	43.69	0.76	58.610		
300.00	300.00	293.00	300.00	0.54	0.32	1.08	44.44	0.84	44.44	43.58	0.86	51.753		
330.00	330.00	323.00	330.00	0.60	0.36	1.08	44.44	0.84	44.44	43.48	0.96	46.332		
360.00	360.00	353.00	360.00	0.67	0.39	1.08	44.44	0.84	44.44	43.38	1.06	41.940		
390.00	390.00	383.00	390.00	0.74	0.42	1.08	44.44	0.84	44.44	43.28	1.16	38.308		
420.00	420.00	413.00	420.00	0.81	0.45	1.08	44.44	0.84	44.44	43.18	1.26	35.255		
450.00	450.00	443.00	450.00	0.87	0.49	1.08	44.44	0.84	44.44	43.08	1.36	32.652		
480.00	480.00	473.00	480.00	0.94	0.52	1.08	44.44	0.84	44.44	42.98	1.46	30.408		
510.00	510.00	503.00	510.00	1.01	0.55	1.08	44.44	0.84	44.44	42.88	1.56	28.452		
540.00	540.00	533.00	540.00	1.08	0.59	1.08	44.44	0.84	44.44	42.78	1.66	26.733		
570.00	570.00	563.00	570.00	1.14	0.62	1.08	44.44	0.84	44.44	42.68	1.76	25.209		
600.00	600.00	593.00	600.00	1.21	0.65	1.08	44.44	0.84	44.44	42.58	1.86	23.850		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	1.08	44.44	0.84	44.44	42.48	1.96	22.630		
660.00	660.00	653.00	660.00	1.35	0.72	1.08	44.44	0.84	44.44	42.38	2.06	21.528		
690.00	690.00	683.00	690.00	1.41	0.75	1.08	44.44	0.84	44.44	42.28	2.16	20.529		
720.00	720.00	713.00	720.00	1.48	0.79	1.08	44.44	0.84	44.44	42.18	2.27	19.619		
750.00	750.00	743.00	750.00	1.55	0.82	1.08	44.44	0.84	44.44	42.08	2.37	18.786		
780.00	780.00	773.00	780.00	1.61	0.85	1.08	44.44	0.84	44.44	41.98	2.47	18.020		
798.89	798.89	791.89	798.89	1.66	0.87	1.08	44.44	0.84	44.44	41.91	2.53	17.570 CC		
810.00	810.00	802.99	809.99	1.68	0.89	1.08	44.44	0.84	44.44	41.87	2.57	17.293		
840.00	840.00	832.90	839.90	1.75	0.95	1.11	44.47	0.86	44.48	41.78	2.70	16.451		
870.00	870.00	862.79	869.79	1.82	1.02	1.20	44.57	0.94	44.58	41.75	2.84	15.712 ES		
900.00	900.00	892.63	899.63	1.88	1.09	1.26	44.76	0.98	44.78	41.81	2.97	15.074		
930.00	930.00	922.47	929.47	1.94	1.15	1.29	45.06	0.94	45.21	42.12	3.10	14.603		
960.00	960.00	951.54	958.53	2.00	1.22	1.21	45.70	0.67	46.28	43.05	3.22	14.356		
990.00	989.99	980.52	987.47	2.06	1.28	0.83	46.92	-0.01	48.22	44.87	3.35	14.390		
1,020.00	1,019.96	1,009.37	1,016.25	2.12	1.35	0.19	48.73	-1.07	51.05	47.57	3.48	14.686		
1,050.00	1,049.93	1,038.64	1,045.39	2.18	1.42	-0.57	51.05	-2.49	54.65	51.05	3.60	15.168		
1,080.00	1,079.88	1,068.07	1,074.67	2.23	1.49	-1.20	53.55	-4.02	58.71	54.98	3.73	15.732		
1,110.00	1,109.81	1,097.41	1,103.85	2.29	1.56	-1.68	56.20	-5.65	63.19	59.33	3.86	16.362		
1,140.00	1,139.72	1,126.60	1,132.86	2.35	1.63	-2.02	58.98	-7.37	68.10	64.10	3.99	17.053		
1,170.00	1,169.60	1,155.64	1,161.69	2.40	1.70	-2.25	61.94	-9.17	73.46	69.34	4.12	17.819		
1,200.00	1,199.45	1,184.55	1,190.37	2.46	1.78	-2.38	65.07	-11.04	79.29	75.04	4.25	18.651		
1,230.00	1,229.27	1,213.56	1,219.12	2.53	1.86	-2.43	68.39	-13.01	85.56	81.18	4.38	19.519		
1,260.00	1,259.05	1,242.80	1,248.09	2.60	1.94	-2.43	71.77	-15.07	92.13	87.62	4.52	20.406		
1,290.00	1,288.80	1,271.98	1,276.99	2.67	2.02	-2.38	75.15	-17.21	98.97	94.32	4.65	21.304		
1,320.00	1,318.50	1,301.15	1,305.88	2.74	2.10	-2.29	78.54	-19.43	106.07	101.30	4.78	22.205		
1,350.00	1,348.15	1,330.45	1,334.90	2.82	2.18	-2.15	81.90	-21.69	113.39	108.49	4.90	23.118		
1,380.00	1,377.76	1,359.72	1,363.89	2.90	2.26	-1.96	85.20	-23.98	120.92	115.88	5.03	24.030		
1,410.00	1,407.32	1,388.90	1,392.80	2.98	2.34	-1.75	88.43	-26.29	128.59	123.43	5.16	24.911		
1,440.00	1,436.88	1,417.76	1,421.39	3.07	2.43	-1.56	91.63	-28.60	136.27	130.98	5.30	25.726		
1,470.00	1,466.45	1,446.60	1,449.95	3.15	2.51	-1.40	94.85	-30.96	143.99	138.56	5.43	26.505		
1,500.00	1,496.01	1,475.42	1,478.49	3.24	2.59	-1.28	98.10	-33.35	151.74	146.17	5.57	27.252		
1,530.00	1,525.57	1,504.53	1,507.31	3.34	2.68	-1.19	101.38	-35.82	159.49	153.78	5.71	27.922		
1,560.00	1,555.13	1,533.67	1,536.15	3.43	2.77	-1.14	104.64	-38.35	167.22	161.36	5.86	28.552		
1,590.00	1,584.69	1,562.82	1,565.00	3.53	2.86	-1.11	107.87	-40.95	174.92	168.92	6.00	29.147		
1,620.00	1,614.25	1,592.08	1,593.97	3.62	2.95	-1.10	111.08	-43.61	182.59	176.45	6.15	29.710		
1,650.00	1,643.81	1,621.39	1,622.98	3.72	3.04	-1.11	114.25	-46.30	190.22	183.92	6.29	30.237		
1,680.00	1,673.38	1,650.72	1,652.02	3.82	3.13	-1.12	117.38	-49.02	197.79	191.36	6.44	30.732		
1,710.00	1,702.94	1,680.25	1,681.25	3.92	3.21	-1.14	120.46	-51.79	205.32	198.74	6.58	31.204		
1,740.00	1,732.50	1,709.88	1,710.61	4.02	3.30	-1.17	123.49	-54.55	212.76	206.04	6.73	31.634		
1,770.00	1,762.06	1,739.56	1,740.01	4.13	3.39	-1.19	126.43	-57.32	220.13	213.25	6.87	32.027		
1,800.00	1,791.62	1,768.51	1,768.70	4.23	3.47	-1.19	129.25	-59.99	227.44	220.42	7.02	32.405		
1,830.00	1,821.18	1,796.88	1,796.80	4.33	3.55	-1.15	132.09	-62.53	234.83	227.66	7.16	32.777		
1,860.00	1,850.75	1,825.20	1,824.86	4.44	3.63	-1.10	135.02	-64.99	242.30	235.00	7.31	33.149		
1,890.00	1,880.31	1,853.36	1,852.77	4.54	3.72	-1.03	138.02	-67.36	249.87	242.42	7.46	33.509		
1,920.00	1,909.87	1,881.29	1,880.43	4.65	3.80	-0.93	141.10	-69.59	257.56	249.95	7.61	33.864		
1,950.00	1,939.43	1,909.15	1,908.03	4.76	3.88	-0.81	144.30	-71.68	265.37	257.61	7.75	34.223		
1,980.00	1,968.99	1,937.05	1,935.66	4.87	3.97	-0.67	147.63	-73.65	273.30	265.40	7.90	34.585		
2,010.00	1,998.55	1,966.51	1,964.84	4.98	4.06	-0.55	151.16	-75.68	281.25	273.20	8.05	34.931		
2,040.00	2,028.12	1,996.00	1,994.06	5.08	4.14	-0.43	154.64	-77.71	289.15	280.95	8.20	35.256		
2,070.00	2,057.68	2,025.53	2,023.31	5.19	4.23	-0.32	158.07	-79.74	297.00	288.64	8.35	35.562		
2,100.00	2,087.24	2,055.38	2,052.90	5.30	4.32	-0.22	161.46	-81.77	304.77	296.27	8.50	35.858		
2,130.00	2,116.80	2,085.30	2,082.57	5.41	4.40	-0.11	164.77	-83.76	312.46	303.81	8.65	36.132		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	2,146.36	2,115.27	2,112.30	5.52	4.49	0.00	168.00	-85.70	320.06	311.26	8.80	36.386		
2,190.00	2,175.92	2,143.20	2,140.01	5.64	4.58	0.12	171.00	-87.53	327.66	318.71	8.95	36.630		
2,220.00	2,205.49	2,170.78	2,167.35	5.75	4.66	0.22	174.08	-89.45	335.38	326.28	9.09	36.878		
2,250.00	2,235.05	2,198.31	2,194.62	5.86	4.75	0.30	177.26	-91.48	343.22	333.98	9.24	37.130		
2,280.00	2,264.61	2,227.14	2,223.15	5.97	4.84	0.34	180.69	-93.72	351.15	341.75	9.40	37.362		
2,310.00	2,294.17	2,257.00	2,252.72	6.08	4.93	0.36	184.18	-96.10	359.03	349.47	9.56	37.564		
2,340.00	2,323.73	2,286.90	2,282.32	6.20	5.03	0.37	187.60	-98.53	366.83	357.11	9.72	37.750		
2,370.00	2,353.29	2,316.36	2,311.49	6.31	5.12	0.37	190.90	-100.96	374.56	364.69	9.87	37.931		
2,400.00	2,382.86	2,345.33	2,340.18	6.42	5.21	0.39	194.14	-103.37	382.29	372.26	10.03	38.114		
2,430.00	2,412.42	2,374.30	2,368.87	6.54	5.30	0.40	197.38	-105.77	390.02	379.83	10.19	38.291		
2,460.00	2,441.98	2,403.66	2,397.95	6.65	5.39	0.40	200.66	-108.20	397.75	387.40	10.34	38.459		
2,490.00	2,471.54	2,433.90	2,427.91	6.76	5.49	0.40	203.96	-110.68	405.40	394.90	10.50	38.610		
2,520.00	2,501.10	2,464.19	2,457.92	6.88	5.58	0.40	207.18	-113.15	412.97	402.31	10.66	38.748		
2,550.00	2,530.66	2,493.74	2,487.21	6.99	5.67	0.42	210.24	-115.55	420.46	409.64	10.82	38.876		
2,580.00	2,560.22	2,521.25	2,514.48	7.11	5.75	0.44	213.14	-117.81	428.00	417.03	10.97	39.016		
2,610.00	2,589.79	2,548.71	2,541.67	7.22	5.84	0.46	216.13	-120.13	435.64	424.52	11.12	39.161		
2,640.00	2,619.35	2,578.00	2,570.67	7.34	5.93	0.46	219.43	-122.67	443.39	432.11	11.28	39.294		
2,670.00	2,648.91	2,604.63	2,597.02	7.45	6.02	0.47	222.49	-125.02	451.21	439.77	11.44	39.438		
2,700.00	2,678.47	2,633.22	2,625.30	7.57	6.12	0.46	225.80	-127.57	459.05	447.45	11.60	39.562		
2,730.00	2,708.03	2,661.80	2,653.57	7.68	6.21	0.45	229.13	-130.13	466.91	455.15	11.77	39.684		
2,760.00	2,737.59	2,690.85	2,682.30	7.80	6.31	0.43	232.52	-132.75	474.79	462.86	11.93	39.805		
2,790.00	2,767.16	2,720.11	2,711.24	7.91	6.40	0.41	235.93	-135.38	482.65	470.56	12.09	39.922		
2,820.00	2,796.72	2,749.38	2,740.19	8.03	6.50	0.39	239.31	-138.02	490.50	478.24	12.25	40.034		
2,850.00	2,826.28	2,779.76	2,770.25	8.14	6.60	0.37	242.79	-140.73	498.30	485.89	12.41	40.138		
2,880.00	2,855.84	2,811.04	2,801.22	8.26	6.69	0.34	246.24	-143.45	505.99	493.41	12.58	40.229		
2,910.00	2,885.40	2,842.39	2,832.29	8.38	6.79	0.32	249.56	-146.08	513.54	500.80	12.74	40.307		
2,940.00	2,914.96	2,872.10	2,861.75	8.49	6.88	0.33	252.60	-148.49	520.99	508.09	12.90	40.391		
2,970.00	2,944.53	2,900.95	2,890.35	8.61	6.97	0.36	255.56	-150.76	528.45	515.39	13.05	40.480		
3,000.00	2,974.09	2,929.79	2,918.95	8.72	7.05	0.39	258.52	-152.96	535.91	522.70	13.21	40.569		
3,030.00	3,003.65	2,957.89	2,946.82	8.84	7.14	0.43	261.43	-155.05	543.40	530.04	13.36	40.659		
3,060.00	3,033.21	2,985.14	2,973.84	8.96	7.22	0.47	264.34	-157.09	550.98	537.46	13.52	40.755		
3,090.00	3,062.77	3,012.35	3,000.81	9.07	7.31	0.52	267.32	-159.15	558.64	544.97	13.67	40.856		
3,120.00	3,092.33	3,040.01	3,028.21	9.19	7.39	0.55	270.44	-161.26	566.40	552.57	13.83	40.958		
3,150.00	3,121.90	3,071.06	3,058.97	9.31	7.49	0.56	273.91	-163.60	574.13	560.14	13.99	41.033		
3,180.00	3,151.46	3,102.17	3,089.82	9.42	7.59	0.58	277.28	-165.88	581.75	567.60	14.15	41.099		
3,210.00	3,181.02	3,132.90	3,120.30	9.54	7.68	0.61	280.50	-168.08	589.27	574.96	14.32	41.160		
3,240.00	3,210.58	3,161.56	3,148.73	9.66	7.77	0.65	283.47	-170.09	596.77	582.30	14.47	41.237		
3,270.00	3,240.14	3,190.20	3,177.15	9.78	7.85	0.69	286.47	-172.07	604.29	589.66	14.63	41.315		
3,300.00	3,269.70	3,219.00	3,205.72	9.89	7.94	0.74	289.49	-174.04	611.82	597.04	14.78	41.391		
3,330.00	3,299.27	3,246.13	3,232.63	10.01	8.02	0.79	292.39	-175.93	619.41	604.47	14.94	41.470		
3,360.00	3,328.83	3,273.38	3,259.64	10.13	8.11	0.83	295.38	-177.94	627.08	611.99	15.09	41.551		
3,390.00	3,358.39	3,300.59	3,286.59	10.24	8.19	0.85	298.44	-180.06	634.83	619.58	15.25	41.636		
3,420.00	3,387.95	3,327.82	3,313.55	10.36	8.28	0.87	301.58	-182.28	642.66	627.25	15.41	41.717		
3,450.00	3,417.51	3,355.04	3,340.49	10.48	8.37	0.89	304.79	-184.54	650.57	635.00	15.56	41.798		
3,480.00	3,447.07	3,382.23	3,367.38	10.60	8.46	0.89	308.07	-186.84	658.55	642.83	15.72	41.882		
3,510.00	3,476.63	3,409.77	3,394.61	10.71	8.56	0.90	311.46	-189.22	666.61	650.72	15.88	41.965		
3,540.00	3,506.20	3,438.56	3,423.07	10.83	8.65	0.89	315.03	-191.73	674.69	658.64	16.05	42.038		
3,570.00	3,535.76	3,467.35	3,451.52	10.95	8.75	0.88	318.61	-194.27	682.78	666.57	16.21	42.109		
3,600.00	3,565.32	3,496.14	3,479.97	11.07	8.85	0.87	322.19	-196.82	690.87	674.49	16.38	42.180		
3,630.00	3,594.88	3,524.19	3,507.69	11.19	8.95	0.86	325.69	-199.34	698.98	682.44	16.54	42.251		
3,660.00	3,624.44	3,552.20	3,535.36	11.30	9.05	0.84	329.23	-201.91	707.13	690.42	16.71	42.323		
3,690.00	3,654.00	3,580.20	3,563.00	11.42	9.14	0.83	332.79	-204.53	715.31	698.44	16.87	42.396		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	3,683.57	3,609.34	3,591.77	11.54	9.25	0.80	336.53	-207.30	723.52	706.48	17.04	42.462		
3,750.00	3,713.13	3,639.36	3,621.41	11.66	9.35	0.76	340.34	-210.16	731.68	714.47	17.21	42.520		
3,780.00	3,742.69	3,669.40	3,651.08	11.78	9.45	0.73	344.10	-213.03	739.80	722.42	17.38	42.573		
3,810.00	3,772.25	3,699.05	3,680.36	11.89	9.55	0.70	347.77	-215.87	747.88	730.33	17.54	42.629		
3,840.00	3,801.81	3,728.18	3,709.13	12.01	9.65	0.67	351.36	-218.65	755.94	738.23	17.71	42.689		
3,870.00	3,831.37	3,757.32	3,737.92	12.13	9.75	0.65	354.95	-221.42	764.00	746.12	17.87	42.748		
3,900.00	3,860.94	3,786.36	3,766.61	12.25	9.85	0.62	358.51	-224.16	772.04	754.01	18.04	42.806		
3,930.00	3,890.50	3,814.95	3,794.85	12.37	9.94	0.61	362.02	-226.82	780.09	761.89	18.20	42.867		
3,960.00	3,920.06	3,843.53	3,823.10	12.48	10.04	0.60	365.54	-229.40	788.15	769.79	18.36	42.929		
3,990.00	3,949.62	3,872.10	3,851.34	12.60	10.13	0.59	369.08	-231.93	796.23	777.71	18.52	42.990		
4,020.00	3,979.18	3,902.40	3,881.30	12.72	10.23	0.58	372.81	-234.53	804.29	785.60	18.69	43.042		
4,050.00	4,008.74	3,933.00	3,911.56	12.84	10.33	0.57	376.51	-237.11	812.28	793.43	18.85	43.088		
4,080.00	4,038.31	3,963.64	3,941.88	12.96	10.43	0.57	380.16	-239.62	820.22	801.21	19.02	43.131		
4,110.00	4,067.87	3,996.07	3,973.98	13.08	10.53	0.56	383.92	-242.24	828.08	808.89	19.19	43.161		
4,140.00	4,097.43	4,029.05	4,006.65	13.19	10.63	0.54	387.60	-244.87	835.79	816.44	19.36	43.181		
4,170.00	4,126.99	4,062.11	4,039.42	13.31	10.74	0.53	391.12	-247.50	843.37	823.84	19.53	43.193		
4,200.00	4,156.55	4,089.48	4,066.56	13.43	10.82	0.55	394.00	-249.61	850.90	831.22	19.68	43.235		
4,230.00	4,186.11	4,116.48	4,093.32	13.55	10.90	0.59	396.90	-251.61	858.50	838.67	19.83	43.283		
4,260.00	4,215.68	4,143.44	4,120.05	13.67	10.99	0.62	399.85	-253.51	866.17	846.18	19.99	43.333		
4,290.00	4,245.24	4,171.07	4,147.44	13.79	11.07	0.66	402.94	-255.36	873.90	853.76	20.14	43.383		
4,320.00	4,274.80	4,199.65	4,175.78	13.91	11.16	0.70	406.16	-257.28	881.65	861.35	20.30	43.427		
4,350.00	4,304.36	4,228.22	4,204.11	14.02	11.25	0.73	409.40	-259.19	889.42	868.96	20.46	43.471		
4,380.00	4,333.92	4,257.12	4,232.75	14.14	11.34	0.76	412.68	-261.14	897.20	876.58	20.62	43.514		
4,410.00	4,363.48	4,289.04	4,264.40	14.26	11.44	0.78	416.24	-263.33	904.93	884.15	20.79	43.537		
4,440.00	4,393.04	4,321.03	4,296.12	14.38	11.54	0.79	419.72	-265.58	912.57	891.62	20.95	43.555		
4,470.00	4,422.61	4,353.42	4,328.24	14.50	11.64	0.79	423.13	-267.92	920.11	898.99	21.12	43.567		
4,500.00	4,452.17	4,388.30	4,362.85	14.62	11.74	0.79	426.62	-270.46	927.50	906.21	21.29	43.561		
4,530.00	4,481.73	4,423.29	4,397.59	14.74	11.85	0.78	429.91	-272.99	934.71	913.24	21.46	43.546		
4,560.00	4,511.29	4,443.00	4,417.18	14.85	11.90	0.84	431.66	-274.42	941.83	920.23	21.60	43.603		
4,590.00	4,540.85	4,474.88	4,448.84	14.97	12.00	0.85	434.61	-276.69	948.98	927.22	21.77	43.599		
4,620.00	4,570.41	4,496.96	4,470.75	15.09	12.07	0.90	436.85	-278.22	956.41	934.50	21.91	43.656		
4,650.00	4,599.98	4,518.95	4,492.56	15.21	12.13	0.96	439.24	-279.71	964.05	942.00	22.05	43.722		
4,680.00	4,629.54	4,541.84	4,515.25	15.33	12.20	1.01	441.89	-281.23	971.90	949.71	22.19	43.792		
4,710.00	4,659.10	4,571.37	4,544.50	15.45	12.30	1.04	445.38	-283.20	979.82	957.47	22.35	43.830		
4,740.00	4,688.66	4,600.91	4,573.76	15.57	12.39	1.06	448.86	-285.20	987.72	965.21	22.52	43.868		
4,770.00	4,718.22	4,630.45	4,603.04	15.69	12.48	1.08	452.31	-287.23	995.61	972.93	22.68	43.903		
4,800.00	4,747.78	4,664.43	4,636.71	15.80	12.59	1.09	456.20	-289.52	1,003.41	980.57	22.85	43.920		
4,830.00	4,777.35	4,698.73	4,670.74	15.92	12.69	1.10	459.94	-291.67	1,011.07	988.05	23.02	43.930		
4,860.00	4,806.91	4,735.73	4,707.48	16.04	12.80	1.11	463.76	-293.80	1,018.56	995.38	23.19	43.925		
4,890.00	4,836.47	4,785.02	4,756.53	16.16	12.93	1.12	468.13	-296.10	1,025.63	1,002.25	23.38	43.868		
4,920.00	4,866.05	4,837.07	4,808.43	16.25	13.05	1.15	471.66	-297.75	1,031.99	1,008.42	23.58	43.773		
4,950.00	4,895.69	4,896.43	4,867.73	16.33	13.17	1.22	474.14	-298.64	1,037.32	1,013.55	23.77	43.641		
4,980.00	4,925.37	4,937.68	4,908.97	16.41	13.24	1.34	474.94	-298.69	1,041.70	1,017.77	23.93	43.539		
5,010.00	4,955.10	4,969.98	4,941.26	16.48	13.30	1.44	475.40	-298.60	1,045.69	1,021.63	24.06	43.459		
5,040.00	4,984.86	5,002.34	4,973.61	16.55	13.35	1.55	475.79	-298.43	1,049.34	1,025.14	24.19	43.374		
5,070.00	5,014.67	5,034.11	5,005.38	16.62	13.40	1.65	476.09	-298.20	1,052.64	1,028.32	24.32	43.281		
5,100.00	5,044.50	5,065.73	5,037.00	16.69	13.44	1.74	476.33	-297.95	1,055.63	1,031.18	24.45	43.179		
5,130.00	5,074.37	5,097.39	5,068.67	16.75	13.49	1.83	476.52	-297.67	1,058.29	1,033.72	24.57	43.075		
5,160.00	5,104.27	5,129.76	5,101.03	16.81	13.54	1.91	476.65	-297.37	1,060.61	1,035.92	24.69	42.959		
5,190.00	5,134.19	5,162.34	5,133.61	16.87	13.59	1.98	476.70	-297.11	1,062.59	1,037.78	24.81	42.832		
5,220.00	5,164.13	5,194.95	5,166.22	16.93	13.63	2.03	476.67	-296.88	1,064.21	1,039.29	24.92	42.700		
5,250.00	5,194.09	5,226.83	5,196.10	16.98	13.68	2.09	476.57	-296.64	1,065.49	1,040.46	25.03	42.563		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	5,224.07	5,258.64	5,229.91	17.03	13.73	2.13	476.41	-296.33	1,066.44	1,041.30	25.14	42.418		
5,310.00	5,254.05	5,290.47	5,261.73	17.07	13.77	2.18	476.19	-295.94	1,067.06	1,041.82	25.25	42.264		
5,340.00	5,284.05	5,321.94	5,293.19	17.12	13.81	2.22	475.93	-295.50	1,067.36	1,042.01	25.35	42.104		
5,370.00	5,314.05	5,353.38	5,324.63	17.16	13.86	2.25	475.62	-295.05	1,067.34	1,041.89	25.45	41.936		
5,400.00	5,344.05	5,384.82	5,356.07	17.20	13.90	2.27	475.27	-294.59	1,067.05	1,037.80	29.24	36.488		
5,430.00	5,374.05	5,413.34	5,384.58	17.24	13.94	2.30	474.95	-294.20	1,066.72	1,037.40	29.33	36.372		
5,460.00	5,404.05	5,441.53	5,412.77	17.28	13.98	2.31	474.68	-293.91	1,066.45	1,037.04	29.41	36.260		
5,490.00	5,434.05	5,469.73	5,440.97	17.32	14.02	2.32	474.46	-293.72	1,066.23	1,036.74	29.50	36.149		
5,520.00	5,464.05	5,500.09	5,471.32	17.35	14.06	2.33	474.27	-293.60	1,066.05	1,036.46	29.58	36.036		
5,550.00	5,494.05	5,532.10	5,503.34	17.39	14.11	2.34	474.02	-293.48	1,065.81	1,036.14	29.67	35.917		
5,580.00	5,524.05	5,564.12	5,535.35	17.43	14.16	2.34	473.70	-293.35	1,065.52	1,035.76	29.76	35.798		
5,610.00	5,554.05	5,594.09	5,565.33	17.47	14.20	2.36	473.36	-293.14	1,065.19	1,035.34	29.85	35.682		
5,640.00	5,584.05	5,622.69	5,593.91	17.50	14.24	2.39	473.05	-292.46	1,064.90	1,034.96	29.94	35.570		
5,670.00	5,614.05	5,651.25	5,622.45	17.54	14.27	2.46	472.76	-291.27	1,064.64	1,034.61	30.02	35.459		
5,700.00	5,644.05	5,678.44	5,649.58	17.58	14.30	2.55	472.49	-289.61	1,064.43	1,034.32	30.11	35.352		
5,725.02	5,669.06	5,698.03	5,669.06	17.61	14.32	2.66	472.35	-287.53	1,064.36	1,034.19	30.18	35.271		
5,730.00	5,674.05	5,701.91	5,672.90	17.62	14.32	2.69	472.32	-287.01	1,064.37	1,034.18	30.19	35.255		
5,760.00	5,704.05	5,719.00	5,689.76	17.66	14.34	2.84	472.25	-284.21	1,064.52	1,034.26	30.26	35.178		
5,790.00	5,734.05	5,746.20	5,716.28	17.70	14.35	3.17	472.23	-278.15	1,064.87	1,034.52	30.35	35.083		
5,820.00	5,764.05	5,766.00	5,735.24	17.74	14.35	3.47	472.30	-272.49	1,065.51	1,035.08	30.43	35.012		
5,850.00	5,794.05	5,791.82	5,759.59	17.78	14.35	3.93	472.45	-263.91	1,066.38	1,035.86	30.52	34.936		
5,880.00	5,824.05	5,815.88	5,781.94	17.82	14.35	4.41	472.60	-255.00	1,067.46	1,036.84	30.61	34.870		
5,910.00	5,854.03	5,841.01	5,804.86	17.85	14.33	4.91	472.75	-244.70	1,068.65	1,041.85	26.81	39.868		
5,940.00	5,883.91	5,861.00	5,822.74	17.88	14.33	5.25	472.82	-235.76	1,069.84	1,043.04	26.81	39.908		
5,970.00	5,913.56	5,884.50	5,843.39	17.89	14.31	5.61	472.97	-224.55	1,071.07	1,044.27	26.80	39.972		
6,000.00	5,942.86	5,908.00	5,863.68	17.90	14.30	5.90	473.26	-212.70	1,072.39	1,045.61	26.77	40.055		
6,030.00	5,971.71	5,926.97	5,879.80	17.90	14.29	5.99	473.57	-202.70	1,073.70	1,046.95	26.75	40.137		
6,060.00	5,999.99	5,950.49	5,899.48	17.89	14.28	6.14	473.98	-189.84	1,074.95	1,048.23	26.72	40.234		
6,090.00	6,027.58	5,970.35	5,915.84	17.88	14.27	6.11	474.39	-178.58	1,076.14	1,049.45	26.69	40.323		
6,120.00	6,054.37	5,989.15	5,931.11	17.85	14.26	5.98	474.91	-167.61	1,077.35	1,050.69	26.66	40.414		
6,150.00	6,080.27	6,003.00	5,942.21	17.83	14.25	5.61	475.38	-159.36	1,078.57	1,051.95	26.63	40.507		
6,180.00	6,105.17	6,027.17	5,961.32	17.80	14.25	5.50	476.39	-144.60	1,079.75	1,053.14	26.62	40.568		
6,210.00	6,128.96	6,051.00	5,979.85	17.76	14.24	5.32	477.60	-129.66	1,080.94	1,054.33	26.61	40.617		
6,240.00	6,151.57	6,072.51	5,996.26	17.72	14.24	5.01	478.77	-115.81	1,081.99	1,055.35	26.64	40.617		
6,270.00	6,172.89	6,098.00	6,015.29	17.68	14.24	4.78	480.07	-98.90	1,082.77	1,056.08	26.69	40.568		
6,300.00	6,192.84	6,126.15	6,035.70	17.64	14.24	4.61	481.45	-79.56	1,083.31	1,056.51	26.80	40.424		
6,330.00	6,211.35	6,153.07	6,054.59	17.60	14.24	4.37	482.73	-60.42	1,083.64	1,056.70	26.95	40.215		
6,360.00	6,228.34	6,184.18	6,076.00	17.56	14.24	4.25	484.13	-37.90	1,083.66	1,056.49	27.17	39.882		
6,390.00	6,243.74	6,211.60	6,094.55	17.52	14.24	3.95	485.28	-17.74	1,083.39	1,055.94	27.44	39.475		
6,420.00	6,257.50	6,240.00	6,113.26	17.47	14.26	3.67	486.46	3.59	1,082.92	1,055.15	27.78	38.985		
6,450.00	6,269.55	6,272.41	6,133.90	17.43	14.28	3.53	487.63	28.54	1,082.19	1,053.96	28.23	38.341		
6,480.00	6,279.86	6,301.10	6,151.40	17.39	14.32	3.24	488.40	51.27	1,081.12	1,052.40	28.72	37.645		
6,510.00	6,288.38	6,325.28	6,165.09	17.35	14.40	2.77	488.96	71.20	1,079.96	1,050.72	29.23	36.944		
6,540.00	6,295.07	6,381.23	6,192.82	17.31	14.86	3.80	489.27	119.74	1,078.49	1,048.31	30.19	35.726		
6,570.00	6,299.92	6,408.62	6,204.56	17.28	15.19	3.55	488.76	144.48	1,076.37	1,045.46	30.91	34.821		
6,600.00	6,302.90	6,430.00	6,212.96	17.25	15.47	3.01	488.30	164.14	1,074.18	1,042.60	31.59	34.008		
6,630.00	6,304.00	6,453.35	6,221.05	17.25	15.81	2.58	487.83	186.04	1,072.07	1,039.71	32.36	33.129		
6,660.00	6,303.86	6,477.00	6,227.82	17.45	16.16	2.19	487.45	208.69	1,070.19	1,037.02	33.17	32.266		
6,690.00	6,303.69	6,503.37	6,233.84	17.90	16.60	1.96	487.01	234.35	1,068.48	1,034.42	34.06	31.369		
6,720.00	6,303.53	6,541.62	6,240.13	18.41	17.26	2.38	486.02	272.06	1,066.69	1,031.47	35.22	30.284		
6,750.00	6,303.36	6,571.82	6,243.63	18.94	17.81	2.38	484.89	302.04	1,064.67	1,028.37	36.30	29.326		
6,780.00	6,303.20	6,593.83	6,245.72	19.48	18.23	1.95	484.18	323.94	1,062.84	1,025.60	37.25	28.535		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	6,303.03	6,615.93	6,247.46	20.04	18.65	1.52	483.61	345.95	1,061.24	1,023.03	38.21	27.773		
6,840.00	6,302.86	6,640.00	6,248.97	20.64	19.11	1.20	483.15	369.98	1,059.86	1,020.60	39.26	26.995		
6,870.00	6,302.70	6,665.41	6,250.24	21.23	19.63	0.95	482.77	395.35	1,058.63	1,018.26	40.37	26.222		
6,900.00	6,302.53	6,693.25	6,251.38	21.83	20.20	0.83	482.39	423.17	1,057.47	1,015.94	41.53	25.462		
6,930.00	6,302.37	6,721.50	6,252.29	22.47	20.81	0.74	482.05	451.40	1,056.37	1,013.59	42.77	24.696		
6,960.00	6,302.20	6,749.98	6,252.97	23.12	21.43	0.66	481.74	479.87	1,055.31	1,011.27	44.03	23.965		
6,990.00	6,302.03	6,778.47	6,253.44	23.76	22.05	0.57	481.45	508.35	1,054.29	1,008.99	45.29	23.276		
7,020.00	6,301.87	6,806.23	6,253.68	24.43	22.66	0.45	481.21	536.12	1,053.31	1,006.74	46.57	22.616		
7,050.00	6,301.70	6,832.41	6,253.76	25.11	23.26	0.25	481.05	562.29	1,052.43	1,004.58	47.85	21.994		
7,080.00	6,301.54	6,858.59	6,253.71	25.78	23.86	0.04	480.98	588.47	1,051.66	1,002.54	49.13	21.407		
7,110.00	6,301.37	6,884.78	6,253.53	26.47	24.46	-0.17	481.01	614.66	1,051.00	1,000.59	50.41	20.848		
7,140.00	6,301.20	6,912.69	6,253.20	27.18	25.11	-0.28	481.11	642.56	1,050.43	998.65	51.78	20.288		
7,170.00	6,301.04	6,941.25	6,252.66	27.88	25.79	-0.36	481.24	671.12	1,049.90	996.74	53.16	19.749		
7,200.00	6,300.87	6,969.81	6,251.93	28.59	26.47	-0.44	481.41	699.67	1,049.41	994.87	54.55	19.239		
7,230.00	6,300.71	6,996.79	6,251.08	29.32	27.12	-0.61	481.60	726.64	1,048.98	993.06	55.92	18.758		
7,260.00	6,300.54	7,021.41	6,250.40	30.04	27.72	-0.90	481.90	751.25	1,048.68	991.42	57.25	18.317		
7,290.00	6,300.37	7,046.04	6,249.88	30.77	28.32	-1.20	482.32	775.87	1,048.53	989.94	58.58	17.898		
7,304.09	6,300.30	7,057.61	6,249.69	31.12	28.61	-1.33	482.57	787.43	1,048.51	989.30	59.21	17.707		
7,320.00	6,300.21	7,070.67	6,249.52	31.51	28.93	-1.49	482.88	800.49	1,048.53	988.61	59.93	17.497		
7,350.00	6,300.04	7,103.68	6,249.13	32.26	29.75	-1.32	483.73	833.49	1,048.62	987.13	61.49	17.053		
7,380.00	6,299.88	7,143.80	6,248.23	33.00	30.75	-0.77	484.42	873.59	1,048.48	985.23	63.24	16.578		
7,410.00	6,299.71	7,177.00	6,247.08	33.75	31.59	-0.60	484.68	906.77	1,048.05	983.23	64.82	16.168		
7,440.00	6,299.54	7,207.00	6,245.91	34.51	32.35	-0.60	484.86	936.75	1,047.60	981.25	66.35	15.790		
7,470.00	6,299.38	7,232.61	6,244.96	35.26	33.00	-0.84	485.13	962.34	1,047.27	979.52	67.76	15.456		
7,500.00	6,299.21	7,258.23	6,244.07	36.02	33.66	-1.08	485.51	987.94	1,047.08	977.91	69.17	15.138		
7,527.95	6,299.06	7,281.20	6,243.31	36.74	34.24	-1.35	485.95	1,010.89	1,047.01	976.54	70.47	14.857		
7,530.00	6,299.04	7,282.81	6,243.27	36.79	34.29	-1.38	485.99	1,012.50	1,047.02	976.45	70.57	14.837		
7,560.00	6,298.88	7,306.36	6,242.66	37.56	34.89	-1.73	486.59	1,036.04	1,047.13	975.19	71.94	14.555		
7,590.00	6,298.71	7,329.92	6,242.23	38.33	35.50	-2.09	487.36	1,059.58	1,047.43	974.11	73.32	14.286		
7,620.00	6,298.55	7,353.48	6,241.97	39.11	36.11	-2.44	488.27	1,083.11	1,047.92	973.21	74.70	14.028		
7,650.00	6,298.38	7,388.73	6,241.76	39.88	37.02	-2.15	489.75	1,118.33	1,048.50	972.10	76.40	13.724		
7,680.00	6,298.21	7,435.20	6,241.03	40.66	38.24	-1.25	491.09	1,164.78	1,048.69	970.30	78.39	13.377		
7,710.00	6,298.05	7,472.63	6,240.06	41.44	39.22	-0.84	491.65	1,202.19	1,048.47	968.32	80.15	13.081		
7,740.00	6,297.88	7,500.56	6,239.32	42.23	39.96	-0.96	492.05	1,230.11	1,048.24	966.57	81.68	12.834		
7,770.00	6,297.72	7,528.50	6,238.63	43.01	40.69	-1.07	492.51	1,258.04	1,048.08	964.88	83.20	12.597		
7,800.00	6,297.55	7,557.26	6,237.96	43.80	41.45	-1.14	493.04	1,286.79	1,047.97	963.22	84.74	12.366		
7,830.00	6,297.38	7,594.70	6,237.17	44.59	42.45	-0.73	493.60	1,324.21	1,047.76	961.23	86.53	12.108		
7,860.00	6,297.22	7,632.12	6,236.49	45.38	43.44	-0.33	493.91	1,361.63	1,047.33	959.02	88.32	11.859		
7,890.00	6,297.05	7,669.39	6,235.88	46.18	44.43	0.07	493.95	1,398.89	1,046.70	956.60	90.10	11.617		
7,920.00	6,296.89	7,706.52	6,235.21	46.97	45.43	0.46	493.74	1,436.02	1,045.86	953.97	91.89	11.381		
7,950.00	6,296.72	7,744.27	6,234.46	47.77	46.44	0.89	493.26	1,473.75	1,044.82	951.11	93.70	11.150		
7,980.00	6,296.55	7,790.14	6,233.54	48.57	47.67	1.76	492.14	1,519.60	1,043.42	947.69	95.73	10.899		
8,010.00	6,296.39	7,835.95	6,232.70	49.37	48.90	2.64	490.33	1,565.36	1,041.58	943.81	97.76	10.654		
8,040.00	6,296.22	7,873.02	6,232.05	50.17	49.90	3.03	488.45	1,602.38	1,039.40	939.83	99.57	10.439		
8,070.00	6,296.06	7,910.04	6,231.41	50.97	50.90	3.43	486.33	1,639.34	1,037.01	935.65	101.37	10.230		
8,100.00	6,295.89	7,949.86	6,230.72	51.77	51.97	3.98	483.74	1,679.06	1,034.41	931.16	103.24	10.019		
8,130.00	6,295.72	7,992.91	6,230.07	52.58	53.13	4.71	480.44	1,721.98	1,031.44	926.23	105.21	9.803		
8,160.00	6,295.56	8,034.29	6,229.54	53.38	54.25	5.35	476.76	1,763.20	1,028.10	920.97	107.14	9.596		
8,190.00	6,295.39	8,071.01	6,229.07	54.19	55.24	5.74	473.18	1,799.74	1,024.51	915.58	108.94	9.405		
8,220.00	6,295.23	8,107.66	6,228.58	55.00	56.23	6.13	469.36	1,836.19	1,020.72	909.99	110.74	9.218		
8,250.00	6,295.06	8,119.00	6,228.42	55.80	56.54	5.09	468.13	1,847.46	1,016.99	905.14	111.85	9.092		
8,280.00	6,294.89	8,153.53	6,228.01	56.61	57.47	5.36	464.61	1,881.80	1,013.22	899.62	113.60	8.919		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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 5-62-35-0108BH2 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 800-MWD, 11757-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	6,294.73	8,174.02	6,227.85	57.42	58.03	4.83	462.78	1,902.21	1,009.87	894.90	114.96	8.784					
8,340.00	6,294.56	8,194.55	6,227.73	58.24	58.59	4.30	461.14	1,922.67	1,006.79	890.46	116.33	8.654					
8,370.00	6,294.40	8,214.00	6,227.67	59.05	59.11	3.70	459.77	1,942.08	1,003.99	886.31	117.68	8.532					
8,400.00	6,294.23	8,234.84	6,227.70	59.86	59.68	3.18	458.50	1,962.88	1,001.48	882.42	119.06	8.412					
8,430.00	6,294.06	8,254.64	6,227.86	60.67	60.22	2.60	457.51	1,982.65	999.27	878.86	120.41	8.299					
8,460.00	6,293.90	8,274.47	6,228.14	61.49	60.76	2.02	456.73	2,002.46	997.37	875.59	121.77	8.190					
8,490.00	6,293.73	8,309.00	6,228.92	62.30	61.71	2.28	455.87	2,036.98	995.93	872.39	123.54	8.062					
8,520.00	6,293.57	8,309.00	6,228.92	63.12	61.71	0.55	455.87	2,036.98	994.49	870.13	124.35	7.997					
8,550.00	6,293.40	8,340.52	6,229.82	63.94	62.57	0.64	455.48	2,068.48	993.35	867.31	126.04	7.881					
8,580.00	6,293.23	8,365.53	6,230.55	64.75	63.26	0.35	455.31	2,093.48	992.39	864.84	127.55	7.780					
8,610.00	6,293.07	8,390.56	6,231.32	65.57	63.94	0.07	455.26	2,118.50	991.58	862.52	129.06	7.683					
8,640.00	6,292.90	8,417.17	6,232.13	66.39	64.67	-0.13	455.34	2,145.09	990.91	860.30	130.61	7.587					
8,670.00	6,292.74	8,445.63	6,232.80	67.21	65.45	-0.22	455.47	2,173.54	990.31	858.09	132.22	7.490					
8,700.00	6,292.57	8,474.10	6,233.25	68.03	66.23	-0.31	455.63	2,202.01	989.74	855.92	133.82	7.396					
8,730.00	6,292.40	8,502.45	6,233.48	68.85	67.01	-0.40	455.82	2,230.36	989.23	853.81	135.42	7.305					
8,760.00	6,292.24	8,530.13	6,233.37	69.67	67.77	-0.54	456.04	2,258.04	988.78	851.77	137.01	7.217					
8,790.00	6,292.07	8,557.81	6,232.88	70.49	68.53	-0.67	456.30	2,285.72	988.40	849.81	138.58	7.132					
8,820.00	6,291.90	8,585.48	6,232.02	71.31	69.29	-0.81	456.60	2,313.37	988.08	847.93	140.16	7.050					
8,850.00	6,291.74	8,613.76	6,230.86	72.13	70.07	-0.91	456.96	2,341.62	987.84	846.09	141.75	6.969					
8,880.00	6,291.57	8,642.27	6,229.72	72.95	70.85	-1.00	457.36	2,370.11	987.64	844.29	143.34	6.890					
8,910.00	6,291.41	8,670.79	6,228.63	73.77	71.64	-1.09	457.81	2,398.60	987.48	842.54	144.94	6.813					
8,930.55	6,291.29	8,687.00	6,228.03	74.34	72.08	-1.34	458.09	2,414.80	987.41	841.46	145.95	6.766					
8,940.00	6,291.24	8,687.00	6,228.03	74.60	72.08	-1.89	458.09	2,414.80	987.45	841.25	146.20	6.754					
8,970.00	6,291.07	8,718.22	6,227.09	75.42	72.94	-1.82	458.83	2,445.99	987.52	839.64	147.88	6.678					
9,000.00	6,290.91	8,740.03	6,226.68	76.24	73.54	-2.29	459.59	2,467.79	987.89	838.59	149.30	6.617					
9,030.00	6,290.74	8,761.84	6,226.48	77.07	74.14	-2.77	460.54	2,489.58	988.51	837.80	150.72	6.559					
9,060.00	6,290.58	8,784.67	6,226.48	77.89	74.76	-3.18	461.74	2,512.37	989.38	837.21	152.17	6.502					
9,090.00	6,290.41	8,814.96	6,226.51	78.72	75.60	-3.17	463.42	2,542.61	990.34	836.52	153.83	6.438					
9,120.00	6,290.24	8,845.24	6,226.42	79.54	76.43	-3.15	465.08	2,572.86	991.29	835.81	155.48	6.376					
9,150.00	6,290.08	8,875.00	6,226.22	80.37	77.25	-3.16	466.70	2,602.57	992.24	835.11	157.13	6.315					
9,180.00	6,289.91	8,903.11	6,225.90	81.19	78.02	-3.27	468.25	2,630.63	993.21	834.49	158.72	6.258					
9,210.00	6,289.75	8,930.72	6,225.42	82.02	78.78	-3.41	469.82	2,658.19	994.26	833.95	160.30	6.202					
9,240.00	6,289.58	8,958.32	6,224.79	82.85	79.54	-3.55	471.46	2,685.74	995.37	833.49	161.88	6.149					
9,270.00	6,289.41	8,985.70	6,224.02	83.67	80.29	-3.70	473.13	2,713.05	996.56	833.11	163.45	6.097					
9,300.00	6,289.25	9,012.92	6,223.15	84.50	81.04	-3.86	474.87	2,740.20	997.84	832.82	165.02	6.047					
9,330.00	6,289.08	9,040.12	6,222.16	85.33	81.78	-4.02	476.67	2,767.33	999.19	832.61	166.58	5.998					
9,360.00	6,288.92	9,068.43	6,221.02	86.16	82.56	-4.11	478.61	2,795.55	1,000.63	832.45	168.18	5.950					
9,390.00	6,288.75	9,108.88	6,219.33	86.98	83.67	-3.51	481.18	2,835.88	1,001.92	831.82	170.10	5.890					
9,420.00	6,288.58	9,149.36	6,217.63	87.81	84.79	-2.91	483.33	2,876.27	1,002.90	830.88	172.02	5.830					
9,450.00	6,288.42	9,181.07	6,216.31	88.64	85.66	-2.82	484.79	2,907.91	1,003.66	829.96	173.71	5.778					
9,480.00	6,288.25	9,210.02	6,215.12	89.47	86.46	-2.88	486.14	2,936.81	1,004.45	829.13	175.32	5.729					
9,510.00	6,288.09	9,238.98	6,213.94	90.30	87.26	-2.94	487.52	2,965.71	1,005.27	828.33	176.93	5.682					
9,540.00	6,287.92	9,270.68	6,212.66	91.13	88.13	-2.84	489.05	2,997.35	1,006.10	827.48	178.62	5.633					
9,570.00	6,287.75	9,305.78	6,211.23	91.96	89.10	-2.55	490.59	3,032.38	1,006.81	826.40	180.40	5.581					
9,600.00	6,287.59	9,340.88	6,209.78	92.79	90.07	-2.26	491.95	3,067.43	1,007.36	825.18	182.18	5.529					
9,630.00	6,287.42	9,373.02	6,208.49	93.62	90.96	-2.14	493.07	3,099.53	1,007.80	823.92	183.88	5.481					
9,660.00	6,287.26	9,404.14	6,207.46	94.44	91.82	-2.08	494.14	3,130.61	1,008.20	822.64	185.56	5.433					
9,690.00	6,287.09	9,435.27	6,206.64	95.27	92.69	-2.01	495.18	3,161.71	1,008.57	821.33	187.24	5.387					
9,720.00	6,286.92	9,465.00	6,206.03	96.11	93.51	-2.03	496.18	3,191.42	1,008.91	820.03	188.88	5.341					
9,750.00	6,286.76	9,494.18	6,205.53	96.94	94.32	-2.08	497.18	3,220.57	1,009.29	818.77	190.51	5.298					
9,780.00	6,286.59	9,523.35	6,205.13	97.77	95.12	-2.12	498.22	3,249.73	1,009.68	817.54	192.14	5.255					
9,810.00	6,286.43	9,551.78	6,204.82	98.60	95.91	-2.21	499.26	3,278.13	1,010.10	816.35	193.76	5.213					

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	6,286.26	9,579.32	6,204.58	99.43	96.67	-2.35	500.34	3,305.66	1,010.59	815.25	195.35	5.173		
9,870.00	6,286.09	9,606.87	6,204.37	100.26	97.44	-2.49	501.49	3,333.18	1,011.16	814.22	196.94	5.134		
9,900.00	6,285.93	9,634.52	6,204.21	101.09	98.20	-2.63	502.71	3,360.80	1,011.79	813.26	198.53	5.096		
9,930.00	6,285.76	9,664.24	6,204.00	101.92	99.02	-2.64	504.06	3,390.49	1,012.47	812.29	200.18	5.058		
9,960.00	6,285.60	9,693.96	6,203.69	102.75	99.85	-2.66	505.41	3,420.18	1,013.15	811.32	201.83	5.020		
9,990.00	6,285.43	9,723.68	6,203.28	103.59	100.67	-2.67	506.75	3,449.87	1,013.83	810.36	203.48	4.983		
10,020.00	6,285.26	9,750.94	6,202.85	104.42	101.42	-2.83	508.02	3,477.09	1,014.56	809.51	205.06	4.948		
10,050.00	6,285.10	9,777.88	6,202.41	105.25	102.17	-3.00	509.35	3,504.00	1,015.38	808.76	206.63	4.914		
10,080.00	6,284.93	9,804.82	6,201.95	106.08	102.92	-3.17	510.77	3,530.89	1,016.29	808.09	208.20	4.881		
10,110.00	6,284.77	9,834.14	6,201.43	106.91	103.73	-3.21	512.38	3,560.17	1,017.28	807.44	209.83	4.848		
10,140.00	6,284.60	9,867.68	6,200.74	107.75	104.66	-3.01	514.14	3,593.65	1,018.20	806.62	211.58	4.812		
10,170.00	6,284.43	9,901.22	6,199.92	108.58	105.59	-2.81	515.77	3,627.14	1,019.01	805.68	213.33	4.777		
10,200.00	6,284.27	9,935.53	6,198.97	109.41	106.54	-2.57	517.31	3,661.40	1,019.72	804.62	215.10	4.741		
10,230.00	6,284.10	9,970.32	6,198.03	110.25	107.50	-2.30	518.70	3,696.15	1,020.29	803.40	216.88	4.704		
10,260.00	6,283.93	10,005.10	6,197.10	111.08	108.47	-2.03	519.94	3,730.90	1,020.71	802.05	218.66	4.668		
10,290.00	6,283.77	10,036.79	6,196.36	111.91	109.35	-1.93	520.97	3,762.57	1,021.04	800.68	220.36	4.633		
10,320.00	6,283.60	10,068.49	6,195.79	112.74	110.23	-1.84	521.96	3,794.24	1,021.33	799.26	222.07	4.599		
10,350.00	6,283.44	10,099.83	6,195.39	113.58	111.10	-1.76	522.91	3,825.57	1,021.56	797.80	223.76	4.565		
10,380.00	6,283.27	10,128.03	6,195.17	114.41	111.88	-1.86	523.78	3,853.75	1,021.80	796.43	225.37	4.534		
10,410.00	6,283.10	10,156.23	6,195.07	115.25	112.67	-1.96	524.71	3,881.93	1,022.10	795.11	226.99	4.503		
10,440.00	6,282.94	10,184.42	6,195.09	116.08	113.45	-2.07	525.71	3,910.11	1,022.45	793.84	228.60	4.473		
10,470.00	6,282.77	10,215.70	6,195.12	116.91	114.32	-1.99	526.83	3,941.37	1,022.81	792.51	230.31	4.441		
10,500.00	6,282.61	10,247.58	6,194.95	117.75	115.21	-1.89	527.89	3,973.23	1,023.12	791.10	232.02	4.410		
10,530.00	6,282.44	10,279.46	6,194.56	118.58	116.09	-1.78	528.88	4,005.10	1,023.38	789.64	233.73	4.378		
10,560.00	6,282.27	10,310.60	6,194.06	119.42	116.96	-1.72	529.79	4,036.21	1,023.59	788.16	235.42	4.348		
10,590.00	6,282.11	10,341.69	6,193.51	120.25	117.83	-1.66	530.65	4,067.29	1,023.77	786.66	237.11	4.318		
10,620.00	6,281.94	10,372.79	6,192.94	121.08	118.69	-1.60	531.49	4,098.37	1,023.92	785.11	238.80	4.288		
10,650.00	6,281.78	10,403.23	6,192.33	121.92	119.54	-1.57	532.28	4,128.79	1,024.04	783.57	240.47	4.258		
10,680.00	6,281.61	10,433.65	6,191.66	122.75	120.39	-1.55	533.05	4,159.20	1,024.15	782.01	242.14	4.230		
10,710.00	6,281.44	10,464.08	6,190.95	123.59	121.23	-1.52	533.80	4,189.61	1,024.25	780.45	243.80	4.201		
10,740.00	6,281.28	10,495.43	6,190.21	124.42	122.11	-1.45	534.55	4,220.94	1,024.32	778.83	245.50	4.172		
10,770.00	6,281.11	10,526.80	6,189.52	125.26	122.98	-1.37	535.26	4,252.30	1,024.36	777.17	247.19	4.144		
10,797.12	6,280.96	10,555.16	6,188.95	126.01	123.77	-1.30	535.87	4,280.64	1,024.35	775.63	248.72	4.119		
10,800.00	6,280.95	10,557.00	6,188.92	126.09	123.82	-1.36	535.91	4,282.48	1,024.35	775.50	248.85	4.116		
10,830.00	6,280.78	10,584.19	6,188.44	126.93	124.58	-1.52	536.53	4,309.67	1,024.39	773.96	250.43	4.091		
10,860.00	6,280.61	10,610.41	6,188.05	127.76	125.31	-1.73	537.24	4,335.87	1,024.53	772.55	251.99	4.066		
10,890.00	6,280.45	10,636.63	6,187.75	128.60	126.04	-1.95	538.06	4,362.07	1,024.79	771.25	253.54	4.042		
10,920.00	6,280.28	10,666.62	6,187.46	129.43	126.87	-1.95	539.07	4,392.04	1,025.13	769.92	255.20	4.017		
10,950.00	6,280.12	10,699.98	6,186.99	130.27	127.80	-1.76	540.11	4,425.39	1,025.39	768.43	256.96	3.990		
10,980.00	6,279.95	10,733.35	6,186.36	131.10	128.73	-1.57	541.02	4,458.74	1,025.55	766.85	258.71	3.964		
11,010.00	6,279.78	10,760.14	6,185.81	131.94	129.47	-1.75	541.72	4,485.51	1,025.69	765.42	260.28	3.941		
11,040.00	6,279.62	10,784.62	6,185.46	132.77	130.16	-2.06	542.50	4,509.98	1,025.98	764.20	261.78	3.919		
11,070.00	6,279.45	10,809.10	6,185.29	133.61	130.84	-2.37	543.43	4,534.45	1,026.43	763.14	263.30	3.898		
11,100.00	6,279.29	10,834.00	6,185.29	134.45	131.53	-2.65	544.52	4,559.32	1,027.05	762.22	264.82	3.878		
11,130.00	6,279.12	10,869.87	6,185.30	135.28	132.53	-2.32	546.09	4,595.15	1,027.65	760.99	266.66	3.854		
11,160.00	6,278.95	10,906.37	6,185.09	136.12	133.55	-1.96	547.44	4,631.62	1,028.06	759.56	268.50	3.829		
11,190.00	6,278.79	10,940.66	6,184.70	136.95	134.50	-1.72	548.49	4,665.90	1,028.30	758.02	270.28	3.805		
11,220.00	6,278.62	10,972.37	6,184.28	137.79	135.39	-1.62	549.37	4,697.59	1,028.47	756.48	271.99	3.781		
11,250.00	6,278.46	11,004.09	6,183.82	138.63	136.27	-1.53	550.20	4,729.30	1,028.59	754.89	273.70	3.758		
11,280.00	6,278.29	11,034.12	6,183.36	139.46	137.11	-1.53	550.95	4,759.32	1,028.67	753.31	275.36	3.736		
11,310.00	6,278.12	11,062.66	6,182.98	140.30	137.90	-1.61	551.69	4,787.84	1,028.79	751.80	276.99	3.714		
11,340.00	6,277.96	11,091.20	6,182.65	141.13	138.70	-1.69	552.48	4,816.37	1,028.95	750.34	278.61	3.693		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	6,277.79	11,119.42	6,182.39	141.97	139.49	-1.79	553.31	4,844.58	1,029.15	748.92	280.22	3.673		
11,400.00	6,277.63	11,146.89	6,182.19	142.81	140.25	-1.93	554.19	4,872.04	1,029.41	747.59	281.82	3.653		
11,430.00	6,277.46	11,174.37	6,182.03	143.64	141.02	-2.07	555.13	4,899.50	1,029.75	746.34	283.42	3.633		
11,460.00	6,277.29	11,203.00	6,181.90	144.48	141.81	-2.15	556.19	4,928.11	1,030.17	745.12	285.05	3.614		
11,490.00	6,277.13	11,239.46	6,181.63	145.32	142.83	-1.79	557.44	4,964.54	1,030.52	743.62	286.89	3.592		
11,520.00	6,276.96	11,277.51	6,181.01	146.15	143.89	-1.34	558.42	5,002.58	1,030.63	741.85	288.77	3.569		
11,550.00	6,276.80	11,307.85	6,180.30	146.99	144.74	-1.32	559.00	5,032.90	1,030.57	740.13	290.44	3.548		
11,552.43	6,276.78	11,309.77	6,180.25	147.06	144.79	-1.35	559.04	5,034.82	1,030.56	740.01	290.56	3.547		
11,580.00	6,276.63	11,331.61	6,179.66	147.83	145.40	-1.67	559.56	5,056.65	1,030.64	738.72	291.92	3.531		
11,610.00	6,276.46	11,355.37	6,178.97	148.66	146.06	-2.02	560.26	5,080.39	1,030.90	737.50	293.40	3.514		
11,640.00	6,276.30	11,387.00	6,177.97	149.50	146.94	-1.93	561.41	5,111.98	1,031.38	736.29	295.09	3.495		
11,670.00	6,276.13	11,402.03	6,177.49	150.34	147.36	-2.76	562.05	5,126.98	1,031.97	735.64	296.33	3.483		
11,700.00	6,275.96	11,424.50	6,176.82	151.17	147.98	-3.18	563.15	5,149.42	1,032.81	735.04	297.77	3.468		
11,730.00	6,275.80	11,446.97	6,176.22	152.01	148.61	-3.60	564.42	5,171.84	1,033.88	734.66	299.22	3.455		
11,760.00	6,275.63	11,480.00	6,175.45	152.85	149.52	-3.43	566.60	5,204.80	1,035.23	734.28	300.95	3.440		
11,790.00	6,275.47	11,494.63	6,175.16	153.68	149.93	-4.28	567.65	5,219.39	1,036.64	734.45	302.19	3.430		
11,820.00	6,275.30	11,522.31	6,174.70	154.52	150.70	-4.41	569.71	5,246.98	1,038.20	734.42	303.78	3.418		
11,850.00	6,275.13	11,549.97	6,174.36	155.36	151.46	-4.54	571.83	5,274.56	1,039.83	734.46	305.37	3.405		
11,880.00	6,274.97	11,586.46	6,174.02	156.19	152.48	-4.18	574.67	5,310.94	1,041.50	734.28	307.22	3.390		
11,910.00	6,274.80	11,657.60	6,171.99	157.03	154.45	-1.90	578.24	5,381.95	1,042.38	732.40	309.98	3.363		
11,940.00	6,274.64	11,665.00	6,171.65	157.87	154.66	-3.15	578.44	5,389.34	1,042.90	731.89	311.01	3.353		
11,970.00	6,274.47	11,699.10	6,170.61	158.71	155.27	-2.93	579.70	5,423.40	1,043.34	730.91	312.43	3.339		
12,000.00	6,274.30	11,717.08	6,170.51	159.54	155.60	-3.59	580.71	5,441.35	1,044.33	730.74	313.59	3.330		
12,030.00	6,274.14	11,735.04	6,170.73	160.38	155.92	-4.25	581.96	5,459.26	1,045.67	730.91	314.76	3.322		
12,060.00	6,273.97	11,757.00	6,171.41	161.22	156.31	-4.69	583.81	5,481.14	1,047.37	731.36	316.01	3.314		
12,090.00	6,273.81	11,801.07	6,172.93	162.06	156.69	-3.92	587.41	5,525.03	1,049.05	731.78	317.27	3.306		
12,120.00	6,273.64	11,856.65	6,173.92	162.89	157.16	-2.51	590.60	5,580.51	1,050.00	731.39	318.61	3.296		
12,150.00	6,273.47	11,902.89	6,174.32	163.73	157.57	-1.62	592.31	5,626.71	1,050.38	730.51	319.87	3.284		
12,180.00	6,273.31	11,969.75	6,174.72	164.57	158.17	0.40	593.32	5,693.57	1,050.25	728.92	321.32	3.268		
12,210.00	6,273.14	12,048.95	6,175.08	165.41	158.91	3.10	590.43	5,772.70	1,048.12	725.22	322.90	3.246		
12,240.00	6,272.98	12,072.26	6,174.93	166.24	159.13	2.73	589.23	5,795.98	1,045.90	721.95	323.96	3.229		
12,270.00	6,272.81	12,095.60	6,174.54	167.08	159.36	2.37	588.15	5,819.28	1,043.87	718.87	325.00	3.212		
12,300.00	6,272.64	12,125.00	6,173.70	167.92	159.64	2.34	586.97	5,848.65	1,042.05	715.96	326.10	3.196		
12,330.00	6,272.48	12,143.89	6,173.05	168.76	159.83	1.73	586.31	5,867.52	1,040.36	713.26	327.10	3.181		
12,360.00	6,272.31	12,169.42	6,172.19	169.60	160.08	1.48	585.52	5,893.03	1,038.83	710.66	328.17	3.166		
12,390.00	6,272.15	12,194.97	6,171.35	170.43	160.34	1.24	584.83	5,918.55	1,037.42	708.18	329.24	3.151		
12,420.00	6,271.98	12,221.66	6,170.51	171.27	160.61	1.05	584.23	5,945.22	1,036.13	705.81	330.32	3.137		
12,450.00	6,271.81	12,255.44	6,169.56	172.11	160.96	1.26	583.45	5,978.98	1,034.82	703.35	331.48	3.122		
12,480.00	6,271.65	12,289.22	6,168.78	172.95	161.32	1.48	582.57	6,012.74	1,033.41	700.77	332.64	3.107		
12,510.00	6,271.48	12,309.00	6,168.40	173.78	161.52	0.91	582.00	6,032.51	1,031.97	698.30	333.67	3.093		
12,540.00	6,271.32	12,342.07	6,167.80	174.62	161.88	1.08	581.16	6,065.56	1,030.55	695.71	334.84	3.078		
12,570.00	6,271.15	12,365.47	6,167.33	175.46	162.13	0.71	580.75	6,088.95	1,029.38	693.46	335.91	3.064		
12,600.00	6,270.98	12,388.88	6,166.83	176.30	162.39	0.34	580.49	6,112.35	1,028.40	691.41	336.99	3.052		
12,630.00	6,270.82	12,413.98	6,166.27	177.14	162.66	0.07	580.35	6,137.45	1,027.60	689.52	338.08	3.040		
12,660.00	6,270.65	12,440.62	6,165.73	177.98	162.96	-0.12	580.31	6,164.08	1,026.91	687.71	339.20	3.027		
12,690.00	6,270.49	12,467.26	6,165.27	178.81	163.26	-0.31	580.36	6,190.72	1,026.32	686.00	340.32	3.016		
12,720.00	6,270.32	12,492.00	6,164.89	179.65	163.54	-0.60	580.49	6,215.45	1,025.83	684.41	341.42	3.005		
12,750.00	6,270.15	12,520.41	6,164.51	180.49	163.87	-0.69	580.74	6,243.86	1,025.43	682.86	342.57	2.993		
12,780.00	6,269.99	12,546.93	6,164.18	181.33	164.17	-0.89	581.08	6,270.37	1,025.14	681.43	343.71	2.983		
12,810.00	6,269.82	12,573.44	6,163.88	182.17	164.48	-1.08	581.50	6,296.88	1,024.95	680.11	344.84	2.972		
12,840.00	6,269.66	12,600.28	6,163.61	183.00	164.80	-1.26	582.02	6,323.71	1,024.86	678.87	345.98	2.962		
12,856.06	6,269.57	12,614.76	6,163.48	183.45	164.97	-1.35	582.34	6,338.19	1,024.85	678.24	346.60	2.957		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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		
12,870.00	6,269.49	12,627.32	6,163.39	183.84	165.12	-1.43	582.64	6,350.75	1,024.86	677.72	347.14	2.952		
12,900.00	6,269.32	12,654.37	6,163.22	184.68	165.44	-1.59	583.33	6,377.79	1,024.94	676.65	348.29	2.943		
12,930.00	6,269.16	12,675.00	6,163.13	185.52	165.69	-2.12	583.92	6,398.41	1,025.13	675.76	349.37	2.934		
12,960.00	6,268.99	12,675.00	6,163.13	186.36	165.69	-3.81	583.92	6,398.41	1,025.97	675.76	350.21	2.930		
12,990.00	6,268.83	12,675.00	6,163.13	187.20	165.69	-5.49	583.92	6,398.41	1,027.69	676.64	351.04	2.928 SF		
13,020.00	6,268.66	12,675.00	6,163.13	188.04	165.69	-7.16	583.92	6,398.41	1,030.27	678.39	351.88	2.928		
13,050.00	6,268.49	12,675.00	6,163.13	188.87	165.69	-8.82	583.92	6,398.41	1,033.72	681.01	352.71	2.931		
13,080.00	6,268.33	12,675.00	6,163.13	189.71	165.69	-10.47	583.92	6,398.41	1,038.03	684.48	353.55	2.936		
13,110.00	6,268.16	12,675.00	6,163.13	190.55	165.69	-12.11	583.92	6,398.41	1,043.18	688.80	354.38	2.944		
13,140.00	6,267.99	12,675.00	6,163.13	191.39	165.69	-13.72	583.92	6,398.41	1,049.16	693.95	355.22	2.954		
13,170.00	6,267.83	12,675.00	6,163.13	192.23	165.69	-15.32	583.92	6,398.41	1,055.97	699.92	356.05	2.966		
13,200.00	6,267.66	12,675.00	6,163.13	193.07	165.69	-16.90	583.92	6,398.41	1,063.57	706.69	356.89	2.980		
13,230.00	6,267.50	12,675.00	6,163.13	193.91	165.69	-18.45	583.92	6,398.41	1,071.97	714.24	357.72	2.997		
13,260.00	6,267.33	12,675.00	6,163.13	194.74	165.69	-19.98	583.92	6,398.41	1,081.13	722.57	358.56	3.015		
13,290.00	6,267.16	12,675.00	6,163.13	195.58	165.69	-21.48	583.92	6,398.41	1,091.03	731.64	359.39	3.036		
13,320.00	6,267.00	12,675.00	6,163.13	196.42	165.69	-22.95	583.92	6,398.41	1,101.67	741.44	360.23	3.058		
13,350.00	6,266.83	12,675.00	6,163.13	197.26	165.69	-24.39	583.92	6,398.41	1,113.01	751.95	361.06	3.083		
13,380.00	6,266.67	12,675.00	6,163.13	198.10	165.69	-25.80	583.92	6,398.41	1,125.04	763.14	361.90	3.109		
13,410.00	6,266.50	12,675.00	6,163.13	198.94	165.69	-27.18	583.92	6,398.41	1,137.74	775.00	362.73	3.137		
13,440.00	6,266.33	12,675.00	6,163.13	199.78	165.69	-28.53	583.92	6,398.41	1,151.07	787.50	363.57	3.166		
13,470.00	6,266.17	12,675.00	6,163.13	200.62	165.69	-29.85	583.92	6,398.41	1,165.03	800.62	364.40	3.197		
13,500.00	6,266.00	12,675.00	6,163.13	201.45	165.69	-31.13	583.92	6,398.41	1,179.58	814.34	365.24	3.230		
13,530.00	6,265.84	12,675.00	6,163.13	202.29	165.69	-32.39	583.92	6,398.41	1,194.71	828.64	366.07	3.264		
13,560.00	6,265.67	12,675.00	6,163.13	203.13	165.69	-33.61	583.92	6,398.41	1,210.39	843.48	366.91	3.299		
13,590.00	6,265.50	12,675.00	6,163.13	203.97	165.69	-34.80	583.92	6,398.41	1,226.61	858.87	367.74	3.336		
13,620.00	6,265.34	12,675.00	6,163.13	204.81	165.69	-35.95	583.92	6,398.41	1,243.34	874.76	368.58	3.373		
13,650.00	6,265.17	12,675.00	6,163.13	205.65	165.69	-37.08	583.92	6,398.41	1,260.56	891.15	369.41	3.412		
13,680.00	6,265.01	12,675.00	6,163.13	206.49	165.69	-38.17	583.92	6,398.41	1,278.26	908.01	370.25	3.452		
13,710.00	6,264.84	12,675.00	6,163.13	207.33	165.69	-39.24	583.92	6,398.41	1,296.40	925.32	371.08	3.494		
13,740.00	6,264.67	12,675.00	6,163.13	208.17	165.69	-40.27	583.92	6,398.41	1,314.98	943.06	371.92	3.536		
13,770.00	6,264.51	12,675.00	6,163.13	209.00	165.69	-41.28	583.92	6,398.41	1,333.98	961.22	372.75	3.579		
13,800.00	6,264.34	12,675.00	6,163.13	209.84	165.69	-42.25	583.92	6,398.41	1,353.37	979.78	373.59	3.623		
13,830.00	6,264.18	12,675.00	6,163.13	210.68	165.69	-43.20	583.92	6,398.41	1,373.15	998.73	374.43	3.667		
13,860.00	6,264.01	12,675.00	6,163.13	211.52	165.69	-44.12	583.92	6,398.41	1,393.29	1,018.03	375.26	3.713		
13,890.00	6,263.84	12,675.00	6,163.13	212.36	165.69	-45.02	583.92	6,398.41	1,413.79	1,037.69	376.10	3.759		
13,920.00	6,263.68	12,675.00	6,163.13	213.20	165.69	-45.89	583.92	6,398.41	1,434.61	1,057.68	376.93	3.806		
13,950.00	6,263.51	12,675.00	6,163.13	214.04	165.69	-46.73	583.92	6,398.41	1,455.76	1,077.99	377.77	3.854		
13,980.00	6,263.35	12,675.00	6,163.13	214.88	165.69	-47.55	583.92	6,398.41	1,477.21	1,098.61	378.60	3.902		
14,010.00	6,263.18	12,675.00	6,163.13	215.72	165.69	-48.34	583.92	6,398.41	1,498.96	1,119.52	379.44	3.950		
14,040.00	6,263.01	12,675.00	6,163.13	216.56	165.69	-49.12	583.92	6,398.41	1,520.99	1,140.71	380.27	4.000		
14,070.00	6,262.85	12,675.00	6,163.13	217.40	165.69	-49.86	583.92	6,398.41	1,543.28	1,162.17	381.11	4.049		
14,100.00	6,262.68	12,675.00	6,163.13	218.24	165.69	-50.59	583.92	6,398.41	1,565.84	1,183.89	381.94	4.100		
14,130.00	6,262.52	12,675.00	6,163.13	219.07	165.69	-51.30	583.92	6,398.41	1,588.64	1,205.86	382.78	4.150		
14,160.00	6,262.35	12,675.00	6,163.13	219.91	165.69	-51.99	583.92	6,398.41	1,611.67	1,228.06	383.62	4.201		
14,190.00	6,262.18	12,675.00	6,163.13	220.75	165.69	-52.66	583.92	6,398.41	1,634.93	1,250.48	384.45	4.253		
14,220.00	6,262.02	12,675.00	6,163.13	221.59	165.69	-53.30	583.92	6,398.41	1,658.41	1,273.12	385.29	4.304		
14,250.00	6,261.85	12,675.00	6,163.13	222.43	165.69	-53.93	583.92	6,398.41	1,682.10	1,295.97	386.12	4.356		
14,280.00	6,261.69	12,675.00	6,163.13	223.27	165.69	-54.55	583.92	6,398.41	1,705.98	1,319.02	386.96	4.409		
14,310.00	6,261.52	12,675.00	6,163.13	224.11	165.69	-55.14	583.92	6,398.41	1,730.06	1,342.26	387.79	4.461		
14,340.00	6,261.35	12,675.00	6,163.13	224.95	165.69	-55.72	583.92	6,398.41	1,754.31	1,365.68	388.63	4.514		
14,370.00	6,261.19	12,675.00	6,163.13	225.79	165.69	-56.29	583.92	6,398.41	1,778.75	1,389.28	389.46	4.567		
14,400.00	6,261.02	12,675.00	6,163.13	226.63	165.69	-56.83	583.92	6,398.41	1,803.35	1,413.05	390.30	4.620		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	6,260.85	12,675.00	6,163.13	227.47	165.69	-57.37	583.92	6,398.41	1,828.11	1,436.97	391.14	4.674		
14,460.00	6,260.69	12,675.00	6,163.13	228.31	165.69	-57.89	583.92	6,398.41	1,853.03	1,461.05	391.97	4.727		
14,490.00	6,260.52	12,675.00	6,163.13	229.15	165.69	-58.39	583.92	6,398.41	1,878.09	1,485.28	392.81	4.781		
14,520.00	6,260.36	12,675.00	6,163.13	229.99	165.69	-58.88	583.92	6,398.41	1,903.30	1,509.66	393.64	4.835		
14,550.00	6,260.19	12,675.00	6,163.13	230.83	165.69	-59.36	583.92	6,398.41	1,928.64	1,534.17	394.48	4.889		
14,580.00	6,260.02	12,675.00	6,163.13	231.67	165.69	-59.83	583.92	6,398.41	1,954.12	1,558.81	395.31	4.943		
14,610.00	6,259.86	12,675.00	6,163.13	232.50	165.69	-60.28	583.92	6,398.41	1,979.72	1,583.58	396.15	4.997		
14,640.00	6,259.69	12,675.00	6,163.13	233.34	165.69	-60.72	583.92	6,398.41	2,005.45	1,608.47	396.99	5.052		
14,670.00	6,259.53	12,675.00	6,163.13	234.18	165.69	-61.15	583.92	6,398.41	2,031.29	1,633.47	397.82	5.106		
14,700.00	6,259.36	12,675.00	6,163.13	235.02	165.69	-61.57	583.92	6,398.41	2,057.25	1,658.59	398.66	5.160		
14,730.00	6,259.19	12,675.00	6,163.13	235.86	165.69	-61.98	583.92	6,398.41	2,083.31	1,683.82	399.49	5.215		
14,760.00	6,259.03	12,675.00	6,163.13	236.70	165.69	-62.38	583.92	6,398.41	2,109.48	1,709.15	400.33	5.269		
14,790.00	6,258.86	12,675.00	6,163.13	237.54	165.69	-62.77	583.92	6,398.41	2,135.75	1,734.59	401.16	5.324		
14,820.00	6,258.70	12,675.00	6,163.13	238.38	165.69	-63.15	583.92	6,398.41	2,162.12	1,760.12	402.00	5.378		
14,850.00	6,258.53	12,675.00	6,163.13	239.22	165.69	-63.52	583.92	6,398.41	2,188.58	1,785.74	402.84	5.433		
14,880.00	6,258.36	12,675.00	6,163.13	240.06	165.69	-63.89	583.92	6,398.41	2,215.13	1,811.46	403.67	5.487		
14,910.00	6,258.20	12,675.00	6,163.13	240.90	165.69	-64.24	583.92	6,398.41	2,241.77	1,837.26	404.51	5.542		
14,940.00	6,258.03	12,675.00	6,163.13	241.74	165.69	-64.59	583.92	6,398.41	2,268.49	1,863.15	405.34	5.596		
14,970.00	6,257.87	12,675.00	6,163.13	242.58	165.69	-64.92	583.92	6,398.41	2,295.29	1,889.11	406.18	5.651		
15,000.00	6,257.70	12,675.00	6,163.13	243.42	165.69	-65.25	583.92	6,398.41	2,322.17	1,915.16	407.01	5.705		
15,030.00	6,257.53	12,675.00	6,163.13	244.26	165.69	-65.57	583.92	6,398.41	2,349.13	1,941.28	407.85	5.760		
15,060.00	6,257.37	12,675.00	6,163.13	245.10	165.69	-65.89	583.92	6,398.41	2,376.16	1,967.47	408.69	5.814		
15,090.00	6,257.20	12,675.00	6,163.13	245.94	165.69	-66.20	583.92	6,398.41	2,403.26	1,993.74	409.52	5.868		
15,120.00	6,257.04	12,675.00	6,163.13	246.78	165.69	-66.50	583.92	6,398.41	2,430.43	2,020.07	410.36	5.923		
15,150.00	6,256.87	12,675.00	6,163.13	247.62	165.69	-66.79	583.92	6,398.41	2,457.66	2,046.47	411.19	5.977		
15,180.00	6,256.70	12,675.00	6,163.13	248.46	165.69	-67.08	583.92	6,398.41	2,484.96	2,072.93	412.03	6.031		
15,210.00	6,256.54	12,675.00	6,163.13	249.30	165.69	-67.36	583.92	6,398.41	2,512.32	2,099.45	412.87	6.085		
15,240.00	6,256.37	12,675.00	6,163.13	250.14	165.69	-67.63	583.92	6,398.41	2,539.74	2,126.04	413.70	6.139		
15,270.00	6,256.21	12,675.00	6,163.13	250.98	165.69	-67.90	583.92	6,398.41	2,567.21	2,152.68	414.54	6.193		
15,300.00	6,256.04	12,675.00	6,163.13	251.82	165.69	-68.17	583.92	6,398.41	2,594.75	2,179.37	415.37	6.247		
15,330.00	6,255.87	12,675.00	6,163.13	252.66	165.69	-68.42	583.92	6,398.41	2,622.33	2,206.12	416.21	6.301		
15,360.00	6,255.71	12,675.00	6,163.13	253.50	165.69	-68.68	583.92	6,398.41	2,649.97	2,232.93	417.05	6.354		
15,390.00	6,255.54	12,675.00	6,163.13	254.34	165.69	-68.92	583.92	6,398.41	2,677.66	2,259.78	417.88	6.408		
15,420.00	6,255.38	12,675.00	6,163.13	255.18	165.69	-69.17	583.92	6,398.41	2,705.40	2,286.68	418.72	6.461		
15,450.00	6,255.21	12,675.00	6,163.13	256.02	165.69	-69.40	583.92	6,398.41	2,733.19	2,313.63	419.55	6.515		
15,480.00	6,255.04	12,675.00	6,163.13	256.86	165.69	-69.64	583.92	6,398.41	2,761.02	2,340.63	420.39	6.568		
15,510.00	6,254.88	12,675.00	6,163.13	257.70	165.69	-69.86	583.92	6,398.41	2,788.90	2,367.67	421.23	6.621		
15,540.00	6,254.71	12,675.00	6,163.13	258.53	165.69	-70.09	583.92	6,398.41	2,816.82	2,394.76	422.06	6.674		
15,570.00	6,254.55	12,675.00	6,163.13	259.37	165.69	-70.31	583.92	6,398.41	2,844.79	2,421.89	422.90	6.727		
15,600.00	6,254.38	12,675.00	6,163.13	260.21	165.69	-70.52	583.92	6,398.41	2,872.79	2,449.06	423.73	6.780		
15,630.00	6,254.21	12,675.00	6,163.13	261.05	165.69	-70.73	583.92	6,398.41	2,900.84	2,476.27	424.57	6.832		
15,660.00	6,254.05	12,675.00	6,163.13	261.89	165.69	-70.94	583.92	6,398.41	2,928.92	2,503.51	425.41	6.885		
15,690.00	6,253.88	12,675.00	6,163.13	262.73	165.69	-71.14	583.92	6,398.41	2,957.04	2,530.80	426.24	6.937		
15,720.00	6,253.72	12,675.00	6,163.13	263.57	165.69	-71.34	583.92	6,398.41	2,985.20	2,558.12	427.08	6.990		
15,750.00	6,253.55	12,675.00	6,163.13	264.41	165.69	-71.53	583.92	6,398.41	3,013.39	2,585.48	427.91	7.042		
15,780.00	6,253.38	12,675.00	6,163.13	265.25	165.69	-71.72	583.92	6,398.41	3,041.62	2,612.87	428.75	7.094		
15,810.00	6,253.22	12,675.00	6,163.13	266.09	165.69	-71.91	583.92	6,398.41	3,069.88	2,640.30	429.59	7.146		
15,840.00	6,253.05	12,675.00	6,163.13	266.93	165.69	-72.10	583.92	6,398.41	3,098.18	2,667.75	430.42	7.198		
15,870.00	6,252.88	12,675.00	6,163.13	267.77	165.69	-72.28	583.92	6,398.41	3,126.50	2,695.24	431.26	7.250		
15,900.00	6,252.72	12,675.00	6,163.13	268.61	165.69	-72.46	583.92	6,398.41	3,154.86	2,722.77	432.09	7.301		
15,930.00	6,252.55	12,675.00	6,163.13	269.45	165.69	-72.63	583.92	6,398.41	3,183.25	2,750.32	432.93	7.353		
15,960.00	6,252.39	12,675.00	6,163.13	270.29	165.69	-72.80	583.92	6,398.41	3,211.66	2,777.90	433.77	7.404		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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, 11757-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	
15,990.00	6,252.22	12,675.00	6,163.13	271.13	165.69	-72.97	583.92	6,398.41	3,240.11	2,805.51	434.60	7.455	
16,020.00	6,252.05	12,675.00	6,163.13	271.97	165.69	-73.14	583.92	6,398.41	3,268.58	2,833.14	435.44	7.506	
16,050.00	6,251.89	12,675.00	6,163.13	272.81	165.69	-73.30	583.92	6,398.41	3,297.08	2,860.81	436.28	7.557	
16,080.00	6,251.72	12,675.00	6,163.13	273.65	165.69	-73.46	583.92	6,398.41	3,325.61	2,888.50	437.11	7.608	
16,110.00	6,251.56	12,675.00	6,163.13	274.49	165.69	-73.62	583.92	6,398.41	3,354.16	2,916.21	437.95	7.659	
16,140.00	6,251.39	12,675.00	6,163.13	275.33	165.69	-73.77	583.92	6,398.41	3,382.74	2,943.95	438.78	7.709	
16,170.00	6,251.22	12,675.00	6,163.13	276.17	165.69	-73.92	583.92	6,398.41	3,411.34	2,971.72	439.62	7.760	
16,200.00	6,251.06	12,675.00	6,163.13	277.01	165.69	-74.07	583.92	6,398.41	3,439.97	2,999.51	440.46	7.810	
16,230.00	6,250.89	12,675.00	6,163.13	277.85	165.69	-74.22	583.92	6,398.41	3,468.61	3,027.32	441.29	7.860	
16,260.00	6,250.73	12,675.00	6,163.13	278.69	165.69	-74.36	583.92	6,398.41	3,497.29	3,055.16	442.13	7.910	
16,290.00	6,250.56	12,675.00	6,163.13	279.53	165.69	-74.51	583.92	6,398.41	3,525.98	3,083.01	442.96	7.960	
16,320.00	6,250.39	12,675.00	6,163.13	280.37	165.69	-74.65	583.92	6,398.41	3,554.69	3,110.89	443.80	8.010	
16,350.00	6,250.23	12,675.00	6,163.13	281.21	165.69	-74.78	583.92	6,398.41	3,583.43	3,138.79	444.64	8.059	
16,380.00	6,250.06	12,675.00	6,163.13	282.05	165.69	-74.92	583.92	6,398.41	3,612.19	3,166.71	445.47	8.109	
16,391.68	6,250.00	12,675.00	6,163.13	282.38	165.69	-74.97	583.92	6,398.41	3,623.39	3,177.59	445.80	8.128	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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	0.00	15.30	0.00	15.30					
30.00	30.00	30.00	30.00	0.01	0.03	0.00	15.30	0.00	15.30	15.27	0.03	452.307		
60.00	60.00	60.00	60.00	0.04	0.05	0.00	15.30	0.00	15.30	15.21	0.09	163.635		
90.00	90.00	90.00	90.00	0.08	0.08	0.00	15.30	0.00	15.30	15.15	0.15	99.886		
120.00	120.00	120.00	120.00	0.13	0.13	0.00	15.30	0.00	15.30	15.04	0.26	58.181		
150.00	150.00	150.00	150.00	0.20	0.20	0.00	15.30	0.00	15.30	14.90	0.40	38.459		
180.00	180.00	180.00	180.00	0.27	0.27	0.00	15.30	0.00	15.30	14.77	0.53	28.722		
210.00	210.00	210.00	210.00	0.33	0.33	0.00	15.30	0.00	15.30	14.63	0.67	22.920		
240.00	240.00	240.00	240.00	0.40	0.40	0.00	15.30	0.00	15.30	14.50	0.80	19.068		
270.00	270.00	270.00	270.00	0.47	0.47	0.00	15.30	0.00	15.30	14.36	0.94	16.324		
300.00	300.00	300.00	300.00	0.54	0.54	0.00	15.30	0.00	15.30	14.23	1.07	14.271		
330.00	330.00	330.00	330.00	0.60	0.60	0.00	15.30	0.00	15.30	14.09	1.21	12.676		
360.00	360.00	360.00	360.00	0.67	0.67	0.00	15.30	0.00	15.30	13.96	1.34	11.402		
390.00	390.00	390.00	390.00	0.74	0.74	0.00	15.30	0.00	15.30	13.82	1.48	10.361		
420.00	420.00	420.00	420.00	0.81	0.81	0.00	15.30	0.00	15.30	13.69	1.61	9.494		
450.00	450.00	450.00	450.00	0.87	0.87	0.00	15.30	0.00	15.30	13.55	1.75	8.761		
480.00	480.00	480.00	480.00	0.94	0.94	0.00	15.30	0.00	15.30	13.42	1.88	8.133		
510.00	510.00	510.00	510.00	1.01	1.01	0.00	15.30	0.00	15.30	13.28	2.02	7.589		
540.00	540.00	540.00	540.00	1.08	1.08	0.00	15.30	0.00	15.30	13.15	2.15	7.113		
570.00	570.00	570.00	570.00	1.14	1.14	0.00	15.30	0.00	15.30	13.01	2.29	6.693		
600.00	600.00	600.00	600.00	1.21	1.21	0.00	15.30	0.00	15.30	12.88	2.42	6.321		
630.00	630.00	630.00	630.00	1.28	1.28	0.00	15.30	0.00	15.30	12.74	2.56	5.987		
660.00	660.00	660.00	660.00	1.35	1.35	0.00	15.30	0.00	15.30	12.61	2.69	5.687		
690.00	690.00	690.00	690.00	1.41	1.41	0.00	15.30	0.00	15.30	12.48	2.83	5.415		
720.00	720.00	720.00	720.00	1.48	1.48	0.00	15.30	0.00	15.30	12.34	2.96	5.169		
750.00	750.00	750.00	750.00	1.55	1.55	0.00	15.30	0.00	15.30	12.21	3.10	4.944		
780.00	780.00	780.00	780.00	1.61	1.61	0.00	15.30	0.00	15.30	12.07	3.23	4.737		
810.00	810.00	810.00	810.00	1.68	1.68	0.00	15.30	0.00	15.30	11.94	3.36	4.547		
840.00	840.00	840.00	840.00	1.75	1.75	0.00	15.30	0.00	15.30	11.80	3.50	4.372		
870.00	870.00	870.00	870.00	1.82	1.82	0.00	15.30	0.00	15.30	11.67	3.63	4.210		
900.00	900.00	900.00	900.00	1.88	1.88	0.00	15.30	0.00	15.30	11.53	3.77	4.059 CC		
930.00	930.00	930.10	930.10	1.94	1.95	-0.18	15.21	-0.13	15.34	11.45	3.89	3.944		
960.00	960.00	960.19	960.19	2.00	2.01	-0.72	14.92	-0.51	15.47	11.46	4.01	3.856		
990.00	989.99	990.29	990.27	2.06	2.07	-1.60	14.45	-1.14	15.68	11.55	4.13	3.796		
1,020.00	1,019.96	1,020.38	1,020.34	2.12	2.13	-2.78	13.78	-2.02	15.99	11.74	4.25	3.766		
1,050.00	1,049.93	1,050.47	1,050.40	2.18	2.18	-4.24	12.93	-3.16	16.39	12.03	4.36	3.762		
1,080.00	1,079.88	1,080.55	1,080.43	2.23	2.24	-5.93	11.88	-4.54	16.89	12.42	4.47	3.782		
1,110.00	1,109.81	1,110.63	1,110.44	2.29	2.30	-7.80	10.65	-6.18	17.50	12.92	4.58	3.822		
1,140.00	1,139.72	1,140.70	1,140.42	2.35	2.36	-9.79	9.22	-8.08	18.23	13.53	4.70	3.881		
1,170.00	1,169.60	1,170.77	1,170.37	2.40	2.42	-11.86	7.61	-10.22	19.08	14.26	4.82	3.961		
1,200.00	1,199.45	1,200.80	1,200.25	2.46	2.49	-13.91	5.83	-12.59	20.06	15.12	4.94	4.064		
1,230.00	1,229.27	1,230.77	1,230.07	2.53	2.55	-15.32	4.00	-15.02	21.26	16.20	5.07	4.197		
1,260.00	1,259.05	1,260.74	1,259.88	2.60	2.62	-16.01	2.18	-17.44	22.69	17.50	5.20	4.368		
1,290.00	1,288.80	1,290.69	1,289.68	2.67	2.69	-16.08	0.35	-19.87	24.34	19.02	5.32	4.572		
1,320.00	1,318.50	1,320.63	1,319.47	2.74	2.76	-15.65	-1.47	-22.29	26.21	20.76	5.46	4.802		
1,350.00	1,348.15	1,350.56	1,349.24	2.82	2.83	-14.83	-3.29	-24.71	28.31	22.71	5.60	5.060		
1,380.00	1,377.76	1,380.46	1,378.99	2.90	2.90	-13.72	-5.11	-27.13	30.63	24.90	5.73	5.347		
1,410.00	1,407.32	1,410.35	1,408.72	2.98	2.98	-12.48	-6.93	-29.55	33.15	27.28	5.87	5.650		
1,440.00	1,436.88	1,440.23	1,438.45	3.07	3.05	-11.39	-8.75	-31.97	35.69	29.68	6.01	5.939		
1,470.00	1,466.45	1,470.12	1,468.18	3.15	3.13	-10.45	-10.57	-34.39	38.25	32.10	6.15	6.217		
1,500.00	1,496.01	1,500.00	1,497.91	3.24	3.20	-9.63	-12.39	-36.81	40.81	34.52	6.30	6.484		
1,530.00	1,525.57	1,529.89	1,527.64	3.34	3.28	-8.90	-14.21	-39.23	43.39	36.94	6.44	6.735		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	1,555.13	1,559.77	1,557.37	3.43	3.35	-8.26	-16.03	-41.65	45.96	39.38	6.59	6.976		
1,590.00	1,584.69	1,589.66	1,587.11	3.53	3.43	-7.68	-17.85	-44.07	48.55	41.81	6.74	7.208		
1,620.00	1,614.25	1,619.54	1,616.84	3.62	3.51	-7.17	-19.67	-46.48	51.14	44.25	6.88	7.428		
1,650.00	1,643.81	1,649.43	1,646.57	3.72	3.59	-6.70	-21.49	-48.90	53.73	46.69	7.03	7.638		
1,680.00	1,673.38	1,679.31	1,676.30	3.82	3.67	-6.27	-23.31	-51.32	56.32	49.14	7.18	7.840		
1,710.00	1,702.94	1,709.19	1,706.03	3.92	3.75	-5.88	-25.13	-53.74	58.92	51.59	7.34	8.032		
1,740.00	1,732.50	1,739.08	1,735.76	4.02	3.83	-5.53	-26.95	-56.16	61.52	54.03	7.49	8.215		
1,770.00	1,762.06	1,768.96	1,765.49	4.13	3.91	-5.20	-28.77	-58.58	64.12	56.48	7.64	8.392		
1,800.00	1,791.62	1,798.85	1,795.22	4.23	3.99	-4.90	-30.59	-61.00	66.73	58.93	7.79	8.563		
1,830.00	1,821.18	1,828.73	1,824.95	4.33	4.07	-4.62	-32.41	-63.42	69.33	61.39	7.95	8.726		
1,860.00	1,850.75	1,858.62	1,854.69	4.44	4.15	-4.37	-34.23	-65.83	71.94	63.84	8.10	8.882		
1,890.00	1,880.31	1,888.50	1,884.42	4.54	4.23	-4.13	-36.05	-68.25	74.55	66.29	8.26	9.030		
1,920.00	1,909.87	1,918.39	1,914.15	4.65	4.32	-3.90	-37.87	-70.67	77.16	68.75	8.41	9.173		
1,950.00	1,939.43	1,948.27	1,943.88	4.76	4.40	-3.69	-39.69	-73.09	79.77	71.20	8.57	9.310		
1,980.00	1,968.99	1,978.16	1,973.61	4.87	4.48	-3.50	-41.51	-75.51	82.38	73.66	8.72	9.442		
2,010.00	1,998.55	2,008.04	2,003.34	4.98	4.56	-3.31	-43.33	-77.93	85.00	76.12	8.88	9.570		
2,040.00	2,028.12	2,037.93	2,033.07	5.08	4.65	-3.14	-45.15	-80.35	87.61	78.57	9.04	9.692		
2,070.00	2,057.68	2,067.81	2,062.80	5.19	4.73	-2.98	-46.97	-82.77	90.23	81.03	9.20	9.810		
2,100.00	2,087.24	2,097.70	2,092.53	5.30	4.81	-2.83	-48.79	-85.18	92.84	83.49	9.36	9.924		
2,130.00	2,116.80	2,127.58	2,122.27	5.41	4.90	-2.68	-50.61	-87.60	95.46	85.94	9.51	10.033		
2,160.00	2,146.36	2,157.47	2,152.00	5.52	4.98	-2.54	-52.43	-90.02	98.07	88.40	9.67	10.139		
2,190.00	2,175.92	2,187.35	2,181.73	5.64	5.07	-2.41	-54.25	-92.44	100.69	90.86	9.83	10.241		
2,220.00	2,205.49	2,217.24	2,211.46	5.75	5.15	-2.29	-56.07	-94.86	103.31	93.32	9.99	10.339		
2,250.00	2,235.05	2,247.12	2,241.19	5.86	5.24	-2.17	-57.89	-97.28	105.93	95.78	10.15	10.434		
2,280.00	2,264.61	2,277.01	2,270.92	5.97	5.32	-2.06	-59.71	-99.70	108.55	98.23	10.31	10.526		
2,310.00	2,294.17	2,306.89	2,300.65	6.08	5.41	-1.95	-61.53	-102.12	111.16	100.69	10.47	10.615		
2,340.00	2,323.73	2,336.77	2,330.38	6.20	5.49	-1.85	-63.35	-104.53	113.78	103.15	10.63	10.701		
2,370.00	2,353.29	2,366.66	2,360.11	6.31	5.58	-1.75	-65.17	-106.95	116.40	105.61	10.79	10.784		
2,400.00	2,382.86	2,396.54	2,389.84	6.42	5.66	-1.66	-66.99	-109.37	119.02	108.07	10.95	10.865		
2,430.00	2,412.42	2,426.43	2,419.58	6.54	5.75	-1.57	-68.81	-111.79	121.64	110.53	11.12	10.943		
2,460.00	2,441.98	2,456.31	2,449.31	6.65	5.83	-1.49	-70.63	-114.21	124.26	112.99	11.28	11.018		
2,490.00	2,471.54	2,486.20	2,479.04	6.76	5.92	-1.41	-72.45	-116.63	126.89	115.45	11.44	11.092		
2,520.00	2,501.10	2,516.08	2,508.77	6.88	6.01	-1.33	-74.27	-119.05	129.51	117.90	11.60	11.163		
2,550.00	2,530.66	2,545.97	2,538.50	6.99	6.09	-1.25	-76.09	-121.46	132.13	120.36	11.76	11.232		
2,580.00	2,560.22	2,575.85	2,568.23	7.11	6.18	-1.18	-77.91	-123.88	134.75	122.82	11.93	11.299		
2,610.00	2,589.79	2,605.74	2,597.96	7.22	6.26	-1.11	-79.73	-126.30	137.37	125.28	12.09	11.364		
2,640.00	2,619.35	2,635.62	2,627.69	7.34	6.35	-1.04	-81.55	-128.72	139.99	127.74	12.25	11.427		
2,670.00	2,648.91	2,665.51	2,657.42	7.45	6.44	-0.98	-83.37	-131.14	142.62	130.20	12.41	11.488		
2,700.00	2,678.47	2,695.39	2,687.16	7.57	6.52	-0.92	-85.19	-133.56	145.24	132.66	12.58	11.548		
2,730.00	2,708.03	2,725.28	2,716.89	7.68	6.61	-0.86	-87.01	-135.98	147.86	135.12	12.74	11.605		
2,760.00	2,737.59	2,755.16	2,746.62	7.80	6.70	-0.80	-88.83	-138.40	150.48	137.58	12.90	11.662		
2,790.00	2,767.16	2,785.05	2,776.35	7.91	6.78	-0.74	-90.65	-140.81	153.11	140.04	13.07	11.717		
2,820.00	2,796.72	2,814.93	2,806.08	8.03	6.87	-0.69	-92.47	-143.23	155.73	142.50	13.23	11.770		
2,850.00	2,826.28	2,844.82	2,835.81	8.14	6.96	-0.64	-94.29	-145.65	158.35	144.96	13.39	11.822		
2,880.00	2,855.84	2,874.70	2,865.54	8.26	7.04	-0.59	-96.11	-148.07	160.97	147.42	13.56	11.873		
2,910.00	2,885.40	2,904.59	2,895.27	8.38	7.13	-0.54	-97.93	-150.49	163.60	149.88	13.72	11.922		
2,940.00	2,914.96	2,934.47	2,925.00	8.49	7.22	-0.49	-99.75	-152.91	166.22	152.34	13.89	11.970		
2,970.00	2,944.53	2,964.36	2,954.74	8.61	7.31	-0.44	-101.57	-155.33	168.84	154.79	14.05	12.017		
3,000.00	2,974.09	2,994.24	2,984.47	8.72	7.39	-0.40	-103.39	-157.75	171.47	157.25	14.21	12.063		
3,030.00	3,003.65	3,024.12	3,014.20	8.84	7.48	-0.36	-105.21	-160.16	174.09	159.71	14.38	12.107		
3,060.00	3,033.21	3,054.01	3,043.93	8.96	7.57	-0.31	-107.03	-162.58	176.72	162.17	14.54	12.151		
3,090.00	3,062.77	3,083.89	3,073.66	9.07	7.66	-0.27	-108.85	-165.00	179.34	164.63	14.71	12.193		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	3,092.33	3,113.78	3,103.39	9.19	7.74	-0.23	-110.66	-167.42	181.96	167.09	14.87	12.235		
3,150.00	3,121.90	3,143.66	3,133.12	9.31	7.83	-0.20	-112.48	-169.84	184.59	169.55	15.04	12.275		
3,180.00	3,151.46	3,173.55	3,162.85	9.42	7.92	-0.16	-114.30	-172.26	187.21	172.01	15.20	12.315		
3,210.00	3,181.02	3,203.43	3,192.58	9.54	8.01	-0.12	-116.12	-174.68	189.84	174.47	15.37	12.353		
3,240.00	3,210.58	3,233.32	3,222.31	9.66	8.09	-0.09	-117.94	-177.10	192.46	176.93	15.53	12.391		
3,270.00	3,240.14	3,263.20	3,252.05	9.78	8.18	-0.05	-119.76	-179.51	195.09	179.39	15.70	12.428		
3,300.00	3,269.70	3,293.09	3,281.78	9.89	8.27	-0.02	-121.58	-181.93	197.71	181.85	15.86	12.464		
3,330.00	3,299.27	3,322.97	3,311.51	10.01	8.36	0.01	-123.40	-184.35	200.33	184.31	16.03	12.499		
3,360.00	3,328.83	3,352.86	3,341.24	10.13	8.44	0.04	-125.22	-186.77	202.96	186.77	16.19	12.534		
3,390.00	3,358.39	3,382.74	3,370.97	10.24	8.53	0.08	-127.04	-189.19	205.58	189.23	16.36	12.568		
3,420.00	3,387.95	3,412.63	3,400.70	10.36	8.62	0.11	-128.86	-191.61	208.21	191.68	16.52	12.601		
3,450.00	3,417.51	3,442.51	3,430.43	10.48	8.71	0.13	-130.68	-194.03	210.83	194.14	16.69	12.633		
3,480.00	3,447.07	3,472.40	3,460.16	10.60	8.80	0.16	-132.50	-196.45	213.46	196.60	16.85	12.665		
3,510.00	3,476.63	3,502.28	3,489.89	10.71	8.88	0.19	-134.32	-198.86	216.08	199.06	17.02	12.696		
3,540.00	3,506.20	3,532.17	3,519.63	10.83	8.97	0.22	-136.14	-201.28	218.71	201.52	17.19	12.726		
3,570.00	3,535.76	3,562.05	3,549.36	10.95	9.06	0.24	-137.96	-203.70	221.33	203.98	17.35	12.756		
3,600.00	3,565.32	3,591.94	3,579.09	11.07	9.15	0.27	-139.78	-206.12	223.96	206.44	17.52	12.785		
3,630.00	3,594.88	3,621.82	3,608.82	11.19	9.24	0.30	-141.60	-208.54	226.58	208.90	17.68	12.813		
3,660.00	3,624.44	3,651.70	3,638.55	11.30	9.32	0.32	-143.42	-210.96	229.21	211.36	17.85	12.841		
3,690.00	3,654.00	3,681.59	3,668.28	11.42	9.41	0.35	-145.24	-213.38	231.83	213.82	18.02	12.869		
3,720.00	3,683.57	3,711.47	3,698.01	11.54	9.50	0.37	-147.06	-215.80	234.46	216.28	18.18	12.896		
3,750.00	3,713.13	3,741.36	3,727.74	11.66	9.59	0.39	-148.88	-218.21	237.08	218.74	18.35	12.922		
3,780.00	3,742.69	3,771.24	3,757.47	11.78	9.68	0.41	-150.70	-220.63	239.71	221.20	18.51	12.948		
3,810.00	3,772.25	3,801.13	3,787.21	11.89	9.77	0.44	-152.52	-223.05	242.33	223.65	18.68	12.973		
3,840.00	3,801.81	3,831.01	3,816.94	12.01	9.85	0.46	-154.34	-225.47	244.96	226.11	18.85	12.998		
3,870.00	3,831.37	3,860.90	3,846.67	12.13	9.94	0.48	-156.16	-227.89	247.59	228.57	19.01	13.023		
3,900.00	3,860.94	3,890.78	3,876.40	12.25	10.03	0.50	-157.98	-230.31	250.21	231.03	19.18	13.047		
3,930.00	3,890.50	3,920.67	3,906.13	12.37	10.12	0.52	-159.80	-232.73	252.84	233.49	19.34	13.070		
3,960.00	3,920.06	3,950.55	3,935.86	12.48	10.21	0.54	-161.62	-235.15	255.46	235.95	19.51	13.093		
3,990.00	3,949.62	3,980.44	3,965.59	12.60	10.30	0.56	-163.44	-237.56	258.09	238.41	19.68	13.116		
4,020.00	3,979.18	4,010.32	3,995.32	12.72	10.38	0.58	-165.26	-239.98	260.71	240.87	19.84	13.138		
4,050.00	4,008.74	4,040.21	4,025.05	12.84	10.47	0.60	-167.08	-242.40	263.34	243.33	20.01	13.160		
4,080.00	4,038.31	4,070.09	4,054.79	12.96	10.56	0.62	-168.90	-244.82	265.96	245.79	20.18	13.182		
4,110.00	4,067.87	4,099.98	4,084.52	13.08	10.65	0.63	-170.72	-247.24	268.59	248.25	20.34	13.203		
4,140.00	4,097.43	4,129.86	4,114.25	13.19	10.74	0.65	-172.54	-249.66	271.21	250.71	20.51	13.224		
4,170.00	4,126.99	4,159.75	4,143.98	13.31	10.83	0.67	-174.36	-252.08	273.84	253.16	20.68	13.244		
4,200.00	4,156.55	4,189.63	4,173.71	13.43	10.92	0.69	-176.18	-254.50	276.47	255.62	20.84	13.264		
4,230.00	4,186.11	4,219.52	4,203.44	13.55	11.01	0.70	-178.00	-256.91	279.09	258.08	21.01	13.284		
4,260.00	4,215.68	4,249.40	4,233.17	13.67	11.09	0.72	-179.82	-259.33	281.72	260.54	21.18	13.303		
4,290.00	4,245.24	4,279.28	4,262.90	13.79	11.18	0.74	-181.64	-261.75	284.34	263.00	21.34	13.322		
4,320.00	4,274.80	4,309.17	4,292.63	13.91	11.27	0.75	-183.46	-264.17	286.97	265.46	21.51	13.341		
4,350.00	4,304.36	4,339.05	4,322.36	14.02	11.36	0.77	-185.28	-266.59	289.60	267.92	21.68	13.360		
4,380.00	4,333.92	4,368.94	4,352.10	14.14	11.45	0.78	-187.10	-269.01	292.22	270.38	21.84	13.378		
4,410.00	4,363.48	4,398.82	4,381.83	14.26	11.54	0.80	-188.92	-271.43	294.85	272.84	22.01	13.396		
4,440.00	4,393.04	4,428.71	4,411.56	14.38	11.63	0.81	-190.74	-273.85	297.47	275.30	22.18	13.413		
4,470.00	4,422.61	4,458.59	4,441.29	14.50	11.71	0.83	-192.56	-276.26	300.10	277.75	22.34	13.431		
4,500.00	4,452.17	4,488.48	4,471.02	14.62	11.80	0.84	-194.38	-278.68	302.72	280.21	22.51	13.448		
4,530.00	4,481.73	4,518.36	4,500.75	14.74	11.89	0.85	-196.20	-281.10	305.35	282.67	22.68	13.464		
4,560.00	4,511.29	4,548.25	4,530.48	14.85	11.98	0.87	-198.02	-283.52	307.98	285.13	22.85	13.481		
4,590.00	4,540.85	4,578.13	4,560.21	14.97	12.07	0.88	-199.84	-285.94	310.60	287.59	23.01	13.497		
4,620.00	4,570.41	4,608.02	4,589.94	15.09	12.16	0.89	-201.66	-288.36	313.23	290.05	23.18	13.513		
4,650.00	4,599.98	4,637.90	4,619.68	15.21	12.25	0.91	-203.48	-290.78	315.85	292.51	23.35	13.529		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	4,629.54	4,667.79	4,649.41	15.33	12.34	0.92	-205.30	-293.20	318.48	294.97	23.51	13.545		
4,710.00	4,659.10	4,697.67	4,679.14	15.45	12.43	0.93	-207.12	-295.61	321.11	297.43	23.68	13.560		
4,740.00	4,688.66	4,727.56	4,708.87	15.57	12.51	0.95	-208.94	-298.03	323.73	299.88	23.85	13.575		
4,770.00	4,718.22	4,757.44	4,738.60	15.69	12.60	0.96	-210.76	-300.45	326.36	302.34	24.02	13.590		
4,800.00	4,747.78	4,787.33	4,768.33	15.80	12.69	0.97	-212.57	-302.87	328.98	304.80	24.18	13.604		
4,830.00	4,777.35	4,817.21	4,798.06	15.92	12.78	0.98	-214.39	-305.29	331.61	307.26	24.35	13.619		
4,860.00	4,806.91	4,847.10	4,827.79	16.04	12.87	0.99	-216.21	-307.71	334.24	309.72	24.52	13.633		
4,890.00	4,836.47	4,876.98	4,857.52	16.16	12.96	1.00	-218.03	-310.13	336.86	312.18	24.68	13.647		
4,920.00	4,866.05	4,906.87	4,887.27	16.25	13.05	1.01	-219.85	-312.55	339.37	314.53	24.85	13.659		
4,950.00	4,895.69	4,936.79	4,917.03	16.33	13.14	0.98	-221.68	-314.97	341.60	316.60	25.00	13.662		
4,980.00	4,925.37	4,966.73	4,946.81	16.41	13.23	0.93	-223.50	-317.39	343.56	318.40	25.17	13.652		
5,010.00	4,955.10	4,996.24	4,976.17	16.48	13.31	0.86	-225.29	-319.77	345.25	319.93	25.32	13.633		
5,040.00	4,984.86	5,024.13	5,003.94	16.55	13.37	0.82	-226.88	-321.88	346.79	321.33	25.46	13.623		
5,070.00	5,014.67	5,052.02	5,031.72	16.62	13.43	0.78	-228.30	-323.77	348.23	322.65	25.58	13.611		
5,100.00	5,044.50	5,079.90	5,059.53	16.69	13.48	0.76	-229.55	-325.44	349.58	323.87	25.71	13.597		
5,130.00	5,074.37	5,107.79	5,087.36	16.75	13.54	0.74	-230.65	-326.89	350.83	325.01	25.82	13.585		
5,160.00	5,104.27	5,135.67	5,115.20	16.81	13.59	0.74	-231.58	-328.13	351.99	326.05	25.93	13.572		
5,190.00	5,134.19	5,163.56	5,143.05	16.87	13.64	0.74	-232.35	-329.15	353.04	327.00	26.04	13.558		
5,220.00	5,164.13	5,191.43	5,170.91	16.93	13.69	0.76	-232.96	-329.96	354.01	327.87	26.14	13.543		
5,250.00	5,194.09	5,219.31	5,198.78	16.98	13.74	0.79	-233.40	-330.55	354.87	328.64	26.23	13.527		
5,280.00	5,224.07	5,247.18	5,226.65	17.03	13.78	0.82	-233.68	-330.92	355.64	329.32	26.33	13.510		
5,310.00	5,254.05	5,275.05	5,254.51	17.07	13.83	0.87	-233.80	-331.07	356.32	329.91	26.41	13.490		
5,340.00	5,284.05	5,304.59	5,284.05	17.12	13.88	0.92	-233.80	-331.08	356.84	330.34	26.50	13.466		
5,370.00	5,314.05	5,334.58	5,314.05	17.16	13.93	0.94	-233.80	-331.08	357.09	330.51	26.59	13.431		
5,400.00	5,344.05	5,364.58	5,344.05	17.20	13.98	0.94	-233.80	-331.08	357.12	328.09	29.03	12.300		
5,430.00	5,374.05	5,394.58	5,374.05	17.24	14.02	0.94	-233.80	-331.08	357.12	327.99	29.12	12.262		
5,460.00	5,404.05	5,424.58	5,404.05	17.28	14.07	0.94	-233.80	-331.08	357.12	327.90	29.21	12.224		
5,490.00	5,434.05	5,454.58	5,434.05	17.32	14.12	0.94	-233.80	-331.08	357.12	327.81	29.31	12.186		
5,520.00	5,464.05	5,484.58	5,464.05	17.35	14.17	0.94	-233.80	-331.08	357.12	327.72	29.40	12.148		
5,550.00	5,494.05	5,514.58	5,494.05	17.39	14.22	0.94	-233.80	-331.08	357.12	327.63	29.49	12.110		
5,580.00	5,524.05	5,544.58	5,524.05	17.43	14.27	0.94	-233.80	-331.08	357.12	327.54	29.58	12.073		
5,610.00	5,554.05	5,574.58	5,554.05	17.47	14.32	0.94	-233.80	-331.08	357.12	327.45	29.67	12.035		
5,640.00	5,584.05	5,604.58	5,584.05	17.50	14.36	0.94	-233.80	-331.08	357.12	327.35	29.77	11.998		
5,670.00	5,614.05	5,634.58	5,614.05	17.54	14.41	0.94	-233.80	-331.08	357.12	327.26	29.86	11.960		
5,700.00	5,644.05	5,664.58	5,644.05	17.58	14.46	0.94	-233.80	-331.08	357.12	327.17	29.95	11.923		
5,730.00	5,674.05	5,694.58	5,674.05	17.62	14.51	0.94	-233.80	-331.08	357.12	327.07	30.05	11.886		
5,760.00	5,704.05	5,724.58	5,704.05	17.66	14.56	0.94	-233.80	-331.08	357.12	326.98	30.14	11.849		
5,790.00	5,734.05	5,754.58	5,734.05	17.70	14.61	0.94	-233.80	-331.08	357.12	326.89	30.23	11.812		
5,808.68	5,752.72	5,773.26	5,752.72	17.72	14.64	0.94	-233.80	-331.08	357.12	326.83	30.29	11.789		
5,820.00	5,764.05	5,784.48	5,763.95	17.74	14.66	0.94	-233.80	-331.07	357.12	326.79	30.33	11.775		
5,850.00	5,794.05	5,813.57	5,793.01	17.78	14.70	1.12	-233.77	-329.97	357.17	326.73	30.43	11.736		
5,880.00	5,824.05	5,842.42	5,821.72	17.82	14.73	1.57	-233.71	-327.15	357.30	326.74	30.56	11.690		
5,910.00	5,854.03	5,870.96	5,849.89	17.85	14.75	2.16	-233.61	-322.65	357.53	329.32	28.20	12.677		
5,940.00	5,883.91	5,899.28	5,877.54	17.88	14.76	2.72	-233.46	-316.53	357.79	329.61	28.17	12.699		
5,970.00	5,913.56	5,927.41	5,904.59	17.89	14.76	3.22	-233.29	-308.84	358.08	329.95	28.13	12.730		
6,000.00	5,942.86	5,955.34	5,930.96	17.90	14.75	3.67	-233.07	-299.64	358.40	330.33	28.07	12.768		
6,030.00	5,971.71	5,983.10	5,956.59	17.90	14.74	4.06	-232.83	-288.99	358.74	330.74	28.00	12.812		
6,060.00	5,999.99	6,010.68	5,981.40	17.89	14.73	4.38	-232.55	-276.94	359.10	331.17	27.93	12.859		
6,090.00	6,027.58	6,038.11	6,005.34	17.88	14.71	4.64	-232.24	-263.57	359.47	331.62	27.85	12.908		
6,120.00	6,054.37	6,065.40	6,028.35	17.85	14.70	4.82	-231.91	-248.92	359.85	332.07	27.77	12.956		
6,150.00	6,080.27	6,092.54	6,050.38	17.83	14.68	4.94	-231.54	-233.07	360.23	332.52	27.71	13.002		
6,180.00	6,105.17	6,119.56	6,071.38	17.80	14.66	4.98	-231.15	-216.07	360.60	332.95	27.65	13.040		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	6,128.96	6,146.46	6,091.29	17.76	14.64	4.95	-230.73	-198.00	360.97	333.35	27.62	13.069		
6,240.00	6,151.57	6,173.26	6,110.09	17.72	14.63	4.85	-230.29	-178.91	361.32	333.70	27.61	13.085		
6,270.00	6,172.89	6,200.00	6,127.75	17.68	14.63	4.69	-229.83	-158.84	361.65	334.01	27.64	13.084		
6,300.00	6,192.84	6,226.57	6,144.15	17.64	14.63	4.45	-229.35	-137.94	361.96	334.25	27.71	13.063		
6,330.00	6,211.35	6,253.11	6,159.35	17.60	14.65	4.16	-228.84	-116.20	362.24	334.41	27.83	13.017		
6,360.00	6,228.34	6,279.59	6,173.29	17.56	14.68	3.80	-228.33	-93.70	362.49	334.49	28.00	12.946		
6,390.00	6,243.74	6,306.01	6,185.93	17.52	14.73	3.40	-227.79	-70.51	362.70	334.47	28.23	12.846		
6,420.00	6,257.50	6,332.38	6,197.25	17.47	14.81	2.95	-227.24	-46.70	362.88	334.35	28.53	12.719		
6,450.00	6,269.55	6,358.71	6,207.23	17.43	14.93	2.45	-226.68	-22.34	363.02	334.13	28.89	12.564		
6,480.00	6,279.86	6,385.02	6,215.84	17.39	15.09	1.92	-226.11	2.51	363.12	333.79	29.33	12.381		
6,510.00	6,288.38	6,411.32	6,223.06	17.35	15.29	1.36	-225.52	27.78	363.17	333.34	29.83	12.173		
6,540.00	6,295.07	6,437.60	6,228.88	17.31	15.54	0.79	-224.93	53.40	363.18	332.78	30.40	11.945		
6,570.00	6,299.92	6,463.89	6,233.29	17.28	15.82	0.19	-224.34	79.31	363.15	332.11	31.04	11.701		
6,600.00	6,302.90	6,490.19	6,236.26	17.25	16.13	-0.40	-223.73	105.43	363.08	331.35	31.73	11.443		
6,630.00	6,304.00	6,516.51	6,237.78	17.25	16.48	-1.00	-223.13	131.70	362.96	330.48	32.48	11.176		
6,658.87	6,304.00	6,542.98	6,237.94	17.43	16.86	-1.38	-222.52	158.15	362.93	329.66	33.27	10.909		
6,660.00	6,303.86	6,544.11	6,237.94	17.45	16.87	-1.38	-222.49	159.28	362.90	329.60	33.30	10.897		
6,690.00	6,303.69	6,574.11	6,237.76	17.90	17.33	-1.38	-221.80	189.28	362.91	328.72	34.19	10.614		
6,720.00	6,303.53	6,604.11	6,237.59	18.41	17.81	-1.38	-221.11	219.27	362.91	327.77	35.14	10.328		
6,750.00	6,303.36	6,634.11	6,237.41	18.94	18.34	-1.38	-220.42	249.26	362.91	326.74	36.17	10.034		
6,780.00	6,303.20	6,664.11	6,237.24	19.48	18.87	-1.38	-219.73	279.25	362.92	325.72	37.20	9.756		
6,810.00	6,303.03	6,694.11	6,237.06	20.04	19.41	-1.38	-219.03	309.24	362.92	324.67	38.25	9.488		
6,840.00	6,302.86	6,724.11	6,236.88	20.64	20.00	-1.38	-218.34	339.23	362.92	323.52	39.40	9.211		
6,870.00	6,302.70	6,754.11	6,236.71	21.23	20.60	-1.38	-217.65	369.23	362.93	322.36	40.57	8.946		
6,900.00	6,302.53	6,784.11	6,236.53	21.83	21.20	-1.38	-216.96	399.22	362.93	321.20	41.73	8.697		
6,930.00	6,302.37	6,814.11	6,236.36	22.47	21.82	-1.38	-216.27	429.21	362.93	319.96	42.97	8.446		
6,960.00	6,302.20	6,844.11	6,236.18	23.12	22.47	-1.38	-215.58	459.20	362.94	318.70	44.24	8.205		
6,990.00	6,302.03	6,874.11	6,236.01	23.76	23.12	-1.38	-214.88	489.19	362.94	317.44	45.50	7.977		
7,020.00	6,301.87	6,904.11	6,235.83	24.43	23.78	-1.38	-214.19	519.18	362.94	316.15	46.80	7.756		
7,050.00	6,301.70	6,934.11	6,235.66	25.11	24.46	-1.38	-213.50	549.17	362.94	314.81	48.14	7.540		
7,080.00	6,301.54	6,964.11	6,235.48	25.78	25.15	-1.38	-212.81	579.17	362.95	313.47	49.48	7.336		
7,110.00	6,301.37	6,994.11	6,235.31	26.47	25.84	-1.38	-212.12	609.16	362.95	312.12	50.83	7.141		
7,140.00	6,301.20	7,024.11	6,235.13	27.18	26.54	-1.38	-211.43	639.15	362.95	310.73	52.22	6.950		
7,170.00	6,301.04	7,054.11	6,234.95	27.88	27.26	-1.38	-210.73	669.14	362.96	309.34	53.62	6.769		
7,200.00	6,300.87	7,084.11	6,234.78	28.59	27.97	-1.38	-210.04	699.13	362.96	307.95	55.02	6.597		
7,230.00	6,300.71	7,114.11	6,234.60	29.32	28.69	-1.38	-209.35	729.12	362.96	306.52	56.45	6.430		
7,260.00	6,300.54	7,144.11	6,234.43	30.04	29.43	-1.38	-208.66	759.11	362.97	305.08	57.89	6.270		
7,290.00	6,300.37	7,174.11	6,234.25	30.77	30.16	-1.38	-207.97	789.11	362.97	303.64	59.33	6.118		
7,320.00	6,300.21	7,204.11	6,234.08	31.51	30.90	-1.38	-207.28	819.10	362.97	302.19	60.78	5.972		
7,350.00	6,300.04	7,234.11	6,233.90	32.26	31.65	-1.38	-206.58	849.09	362.98	300.72	62.26	5.830		
7,380.00	6,299.88	7,264.11	6,233.73	33.00	32.40	-1.38	-205.89	879.08	362.98	299.24	63.74	5.695		
7,410.00	6,299.71	7,294.11	6,233.55	33.75	33.16	-1.38	-205.20	909.07	362.98	297.77	65.22	5.566		
7,440.00	6,299.54	7,324.11	6,233.38	34.51	33.92	-1.38	-204.51	939.06	362.99	296.27	66.72	5.441		
7,470.00	6,299.38	7,354.11	6,233.20	35.26	34.68	-1.38	-203.82	969.06	362.99	294.77	68.22	5.321		
7,500.00	6,299.21	7,384.11	6,233.03	36.02	35.45	-1.38	-203.13	999.05	362.99	293.27	69.72	5.206		
7,530.00	6,299.04	7,414.11	6,232.85	36.79	36.22	-1.38	-202.43	1,029.04	363.00	291.76	71.24	5.095		
7,560.00	6,298.88	7,444.11	6,232.67	37.56	36.99	-1.38	-201.74	1,059.03	363.00	290.23	72.76	4.989		
7,590.00	6,298.71	7,474.11	6,232.50	38.33	37.77	-1.38	-201.05	1,089.02	363.00	288.71	74.29	4.886		
7,620.00	6,298.55	7,504.11	6,232.32	39.11	38.55	-1.38	-200.36	1,119.01	363.01	287.19	75.82	4.788		
7,650.00	6,298.38	7,534.11	6,232.15	39.88	39.33	-1.38	-199.67	1,149.00	363.01	285.65	77.36	4.692		
7,680.00	6,298.21	7,564.11	6,231.97	40.66	40.11	-1.38	-198.98	1,179.00	363.01	284.11	78.90	4.601		
7,710.00	6,298.05	7,594.11	6,231.80	41.44	40.90	-1.38	-198.28	1,208.99	363.01	282.57	80.45	4.512		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
7,740.00	6,297.88	7,624.11	6,231.62	42.23	41.69	-1.38	-197.59	1,238.98	363.02	281.02	82.00	4.427		
7,770.00	6,297.72	7,654.11	6,231.45	43.01	42.48	-1.38	-196.90	1,268.97	363.02	279.46	83.56	4.345		
7,800.00	6,297.55	7,684.11	6,231.27	43.80	43.27	-1.38	-196.21	1,298.96	363.02	277.91	85.11	4.265		
7,830.00	6,297.38	7,714.11	6,231.10	44.59	44.06	-1.38	-195.52	1,328.95	363.03	276.35	86.68	4.188		
7,860.00	6,297.22	7,744.11	6,230.92	45.38	44.86	-1.38	-194.83	1,358.95	363.03	274.78	88.25	4.114		
7,890.00	6,297.05	7,774.11	6,230.74	46.18	45.66	-1.38	-194.14	1,388.94	363.03	273.22	89.81	4.042		
7,920.00	6,296.89	7,804.11	6,230.57	46.97	46.45	-1.38	-193.44	1,418.93	363.04	271.65	91.39	3.973		
7,950.00	6,296.72	7,834.11	6,230.39	47.77	47.26	-1.38	-192.75	1,448.92	363.04	270.08	92.96	3.905		
7,980.00	6,296.55	7,864.11	6,230.22	48.57	48.06	-1.38	-192.06	1,478.91	363.04	268.50	94.54	3.840		
8,010.00	6,296.39	7,894.11	6,230.04	49.37	48.86	-1.38	-191.37	1,508.90	363.05	266.93	96.12	3.777		
8,040.00	6,296.22	7,924.11	6,229.87	50.17	49.66	-1.38	-190.68	1,538.89	363.05	265.34	97.71	3.716		
8,070.00	6,296.06	7,954.11	6,229.69	50.97	50.47	-1.38	-189.99	1,568.89	363.05	263.76	99.29	3.656		
8,100.00	6,295.89	7,984.11	6,229.52	51.77	51.28	-1.38	-189.29	1,598.88	363.06	262.18	100.88	3.599		
8,130.00	6,295.72	8,014.11	6,229.34	52.58	52.08	-1.38	-188.60	1,628.87	363.06	260.59	102.47	3.543		
8,160.00	6,295.56	8,044.11	6,229.17	53.38	52.89	-1.38	-187.91	1,658.86	363.06	259.00	104.06	3.489		
8,190.00	6,295.39	8,074.11	6,228.99	54.19	53.70	-1.38	-187.22	1,688.85	363.07	257.41	105.66	3.436		
8,220.00	6,295.23	8,104.11	6,228.82	55.00	54.51	-1.38	-186.53	1,718.84	363.07	255.82	107.25	3.385		
8,250.00	6,295.06	8,134.11	6,228.64	55.80	55.33	-1.38	-185.84	1,748.83	363.07	254.22	108.85	3.335		
8,280.00	6,294.89	8,164.11	6,228.46	56.61	56.14	-1.38	-185.14	1,778.83	363.08	252.62	110.45	3.287		
8,310.00	6,294.73	8,194.11	6,228.29	57.42	56.95	-1.38	-184.45	1,808.82	363.08	251.03	112.05	3.240		
8,340.00	6,294.56	8,224.11	6,228.11	58.24	57.77	-1.38	-183.76	1,838.81	363.08	249.43	113.65	3.195		
8,370.00	6,294.40	8,254.11	6,227.94	59.05	58.58	-1.38	-183.07	1,868.80	363.08	247.83	115.26	3.150		
8,400.00	6,294.23	8,284.11	6,227.76	59.86	59.40	-1.38	-182.38	1,898.79	363.09	246.22	116.86	3.107		
8,430.00	6,294.06	8,314.11	6,227.59	60.67	60.21	-1.38	-181.69	1,928.78	363.09	244.62	118.47	3.065		
8,460.00	6,293.90	8,344.11	6,227.41	61.49	61.03	-1.38	-180.99	1,958.78	363.09	243.01	120.08	3.024		
8,490.00	6,293.73	8,374.11	6,227.24	62.30	61.85	-1.38	-180.30	1,988.77	363.10	241.41	121.69	2.984		
8,520.00	6,293.57	8,404.11	6,227.06	63.12	62.67	-1.38	-179.61	2,018.76	363.10	239.80	123.30	2.945		
8,550.00	6,293.40	8,434.11	6,226.89	63.94	63.48	-1.38	-178.92	2,048.75	363.10	238.19	124.91	2.907		
8,580.00	6,293.23	8,464.11	6,226.71	64.75	64.30	-1.38	-178.23	2,078.74	363.11	236.58	126.53	2.870		
8,610.00	6,293.07	8,494.11	6,226.53	65.57	65.12	-1.38	-177.54	2,108.73	363.11	234.97	128.14	2.834		
8,640.00	6,292.90	8,524.11	6,226.36	66.39	65.94	-1.38	-176.84	2,138.72	363.11	233.36	129.76	2.798		
8,670.00	6,292.74	8,554.11	6,226.18	67.21	66.77	-1.38	-176.15	2,168.72	363.12	231.74	131.37	2.764		
8,700.00	6,292.57	8,584.11	6,226.01	68.03	67.59	-1.38	-175.46	2,198.71	363.12	230.13	132.99	2.730		
8,730.00	6,292.40	8,614.11	6,225.83	68.85	68.41	-1.38	-174.77	2,228.70	363.12	228.51	134.61	2.698		
8,760.00	6,292.24	8,644.11	6,225.66	69.67	69.23	-1.38	-174.08	2,258.69	363.13	226.90	136.23	2.666		
8,790.00	6,292.07	8,674.11	6,225.48	70.49	70.06	-1.38	-173.39	2,288.68	363.13	225.28	137.85	2.634		
8,820.00	6,291.90	8,704.11	6,225.31	71.31	70.88	-1.38	-172.69	2,318.67	363.13	223.66	139.47	2.604		
8,850.00	6,291.74	8,734.11	6,225.13	72.13	71.70	-1.38	-172.00	2,348.67	363.14	222.04	141.09	2.574		
8,880.00	6,291.57	8,764.11	6,224.96	72.95	72.53	-1.38	-171.31	2,378.66	363.14	220.43	142.71	2.545		
8,910.00	6,291.41	8,794.11	6,224.78	73.77	73.35	-1.38	-170.62	2,408.65	363.14	218.81	144.34	2.516		
8,940.00	6,291.24	8,824.11	6,224.61	74.60	74.18	-1.38	-169.93	2,438.64	363.15	217.18	145.96	2.488		
8,970.00	6,291.07	8,854.11	6,224.43	75.42	75.00	-1.38	-169.24	2,468.63	363.15	215.56	147.59	2.461		
9,000.00	6,290.91	8,884.11	6,224.25	76.24	75.83	-1.38	-168.54	2,498.62	363.15	213.94	149.21	2.434		
9,030.00	6,290.74	8,914.11	6,224.08	77.07	76.65	-1.38	-167.85	2,528.61	363.15	212.32	150.84	2.408		
9,060.00	6,290.58	8,944.11	6,223.90	77.89	77.48	-1.38	-167.16	2,558.61	363.16	210.69	152.46	2.382		
9,090.00	6,290.41	8,974.11	6,223.73	78.72	78.31	-1.38	-166.47	2,588.60	363.16	209.07	154.09	2.357		
9,120.00	6,290.24	9,004.11	6,223.55	79.54	79.13	-1.38	-165.78	2,618.59	363.16	207.45	155.72	2.332		
9,150.00	6,290.08	9,034.11	6,223.38	80.37	79.96	-1.38	-165.09	2,648.58	363.17	205.82	157.35	2.308		
9,180.00	6,289.91	9,064.11	6,223.20	81.19	80.79	-1.38	-164.40	2,678.57	363.17	204.19	158.98	2.284		
9,210.00	6,289.75	9,094.11	6,223.03	82.02	81.62	-1.38	-163.70	2,708.56	363.17	202.57	160.61	2.261		
9,240.00	6,289.58	9,124.11	6,222.85	82.85	82.44	-1.38	-163.01	2,738.55	363.18	200.94	162.24	2.239		
9,270.00	6,289.41	9,154.11	6,222.68	83.67	83.27	-1.38	-162.32	2,768.55	363.18	199.31	163.87	2.216		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
9,300.00	6,289.25	9,184.11	6,222.50	84.50	84.10	-1.38	-161.63	2,798.54	363.18	197.69	165.50	2.194		
9,330.00	6,289.08	9,214.11	6,222.32	85.33	84.93	-1.38	-160.94	2,828.53	363.19	196.06	167.13	2.173		
9,360.00	6,288.92	9,244.11	6,222.15	86.16	85.76	-1.38	-160.25	2,858.52	363.19	194.43	168.76	2.152		
9,390.00	6,288.75	9,274.11	6,221.97	86.98	86.59	-1.38	-159.55	2,888.51	363.19	192.80	170.39	2.131		
9,420.00	6,288.58	9,304.11	6,221.80	87.81	87.42	-1.38	-158.86	2,918.50	363.20	191.17	172.03	2.111		
9,450.00	6,288.42	9,334.11	6,221.62	88.64	88.25	-1.38	-158.17	2,948.50	363.20	189.54	173.66	2.091		
9,480.00	6,288.25	9,364.11	6,221.45	89.47	89.08	-1.38	-157.48	2,978.49	363.20	187.91	175.29	2.072		
9,510.00	6,288.09	9,394.11	6,221.27	90.30	89.91	-1.38	-156.79	3,008.48	363.21	186.28	176.93	2.053		
9,540.00	6,287.92	9,424.11	6,221.10	91.13	90.74	-1.38	-156.10	3,038.47	363.21	184.65	178.56	2.034		
9,570.00	6,287.75	9,454.11	6,220.92	91.96	91.57	-1.38	-155.40	3,068.46	363.21	183.02	180.20	2.016		
9,600.00	6,287.59	9,484.11	6,220.75	92.79	92.40	-1.38	-154.71	3,098.45	363.22	181.38	181.83	1.998		
9,630.00	6,287.42	9,514.11	6,220.57	93.62	93.23	-1.38	-154.02	3,128.44	363.22	179.75	183.47	1.980		
9,660.00	6,287.26	9,544.11	6,220.40	94.44	94.06	-1.38	-153.33	3,158.44	363.22	178.12	185.10	1.962		
9,690.00	6,287.09	9,574.11	6,220.22	95.27	94.89	-1.38	-152.64	3,188.43	363.22	176.48	186.74	1.945		
9,720.00	6,286.92	9,604.11	6,220.04	96.11	95.73	-1.38	-151.95	3,218.42	363.23	174.85	188.38	1.928		
9,750.00	6,286.76	9,634.11	6,219.87	96.94	96.56	-1.38	-151.25	3,248.41	363.23	173.22	190.01	1.912		
9,780.00	6,286.59	9,664.11	6,219.69	97.77	97.39	-1.38	-150.56	3,278.40	363.23	171.58	191.65	1.895		
9,810.00	6,286.43	9,694.11	6,219.52	98.60	98.22	-1.38	-149.87	3,308.39	363.24	169.95	193.29	1.879		
9,840.00	6,286.26	9,724.11	6,219.34	99.43	99.05	-1.38	-149.18	3,338.39	363.24	168.31	194.93	1.863		
9,870.00	6,286.09	9,754.11	6,219.17	100.26	99.89	-1.38	-148.49	3,368.38	363.24	166.68	196.56	1.848		
9,900.00	6,285.93	9,784.11	6,218.99	101.09	100.72	-1.38	-147.80	3,398.37	363.25	165.04	198.20	1.833		
9,930.00	6,285.76	9,814.11	6,218.82	101.92	101.55	-1.38	-147.10	3,428.36	363.25	163.41	199.84	1.818		
9,960.00	6,285.60	9,844.11	6,218.64	102.75	102.38	-1.38	-146.41	3,458.35	363.25	161.77	201.48	1.803		
9,990.00	6,285.43	9,874.11	6,218.47	103.59	103.22	-1.38	-145.72	3,488.34	363.26	160.14	203.12	1.788		
10,020.00	6,285.26	9,904.11	6,218.29	104.42	104.05	-1.38	-145.03	3,518.33	363.26	158.50	204.76	1.774		
10,050.00	6,285.10	9,934.11	6,218.12	105.25	104.88	-1.38	-144.34	3,548.33	363.26	156.86	206.40	1.760		
10,080.00	6,284.93	9,964.11	6,217.94	106.08	105.72	-1.38	-143.65	3,578.32	363.27	155.23	208.04	1.746		
10,110.00	6,284.77	9,994.11	6,217.76	106.91	106.55	-1.38	-142.95	3,608.31	363.27	153.59	209.68	1.733		
10,140.00	6,284.60	10,024.11	6,217.59	107.75	107.38	-1.38	-142.26	3,638.30	363.27	151.95	211.32	1.719		
10,170.00	6,284.43	10,054.11	6,217.41	108.58	108.22	-1.38	-141.57	3,668.29	363.28	150.32	212.96	1.706		
10,200.00	6,284.27	10,084.11	6,217.24	109.41	109.05	-1.38	-140.88	3,698.28	363.28	148.68	214.60	1.693		
10,230.00	6,284.10	10,114.11	6,217.06	110.25	109.89	-1.38	-140.19	3,728.27	363.28	147.04	216.24	1.680		
10,260.00	6,283.93	10,144.11	6,216.89	111.08	110.72	-1.38	-139.50	3,758.27	363.29	145.40	217.88	1.667		
10,290.00	6,283.77	10,174.11	6,216.71	111.91	111.55	-1.38	-138.81	3,788.26	363.29	143.76	219.53	1.655		
10,320.00	6,283.60	10,204.11	6,216.54	112.74	112.39	-1.38	-138.11	3,818.25	363.29	142.13	221.17	1.643		
10,350.00	6,283.44	10,234.11	6,216.36	113.58	113.22	-1.38	-137.42	3,848.24	363.30	140.49	222.81	1.631		
10,380.00	6,283.27	10,264.11	6,216.19	114.41	114.06	-1.38	-136.73	3,878.23	363.30	138.85	224.45	1.619		
10,410.00	6,283.10	10,294.11	6,216.01	115.25	114.89	-1.38	-136.04	3,908.22	363.30	137.21	226.09	1.607		
10,440.00	6,282.94	10,324.11	6,215.83	116.08	115.73	-1.38	-135.35	3,938.22	363.30	135.57	227.74	1.595		
10,470.00	6,282.77	10,354.11	6,215.66	116.91	116.56	-1.38	-134.66	3,968.21	363.31	133.93	229.38	1.584		
10,500.00	6,282.61	10,384.11	6,215.48	117.75	117.40	-1.38	-133.96	3,998.20	363.31	132.29	231.02	1.573		
10,530.00	6,282.44	10,414.11	6,215.31	118.58	118.23	-1.38	-133.27	4,028.19	363.31	130.65	232.66	1.562		
10,560.00	6,282.27	10,444.11	6,215.13	119.42	119.07	-1.38	-132.58	4,058.18	363.32	129.01	234.31	1.551		
10,590.00	6,282.11	10,474.11	6,214.96	120.25	119.90	-1.38	-131.89	4,088.17	363.32	127.37	235.95	1.540		
10,620.00	6,281.94	10,504.11	6,214.78	121.08	120.74	-1.38	-131.20	4,118.16	363.32	125.73	237.59	1.529		
10,650.00	6,281.78	10,534.11	6,214.61	121.92	121.57	-1.38	-130.51	4,148.16	363.33	124.09	239.24	1.519		
10,680.00	6,281.61	10,564.11	6,214.43	122.75	122.41	-1.38	-129.81	4,178.15	363.33	122.45	240.88	1.508		
10,710.00	6,281.44	10,594.11	6,214.26	123.59	123.24	-1.38	-129.12	4,208.14	363.33	120.81	242.52	1.498 Level 3		
10,740.00	6,281.28	10,624.11	6,214.08	124.42	124.08	-1.38	-128.43	4,238.13	363.34	119.17	244.17	1.488 Level 3		
10,770.00	6,281.11	10,654.11	6,213.91	125.26	124.91	-1.38	-127.74	4,268.12	363.34	117.53	245.81	1.478 Level 3		
10,800.00	6,280.95	10,684.11	6,213.73	126.09	125.75	-1.38	-127.05	4,298.11	363.34	115.89	247.46	1.468 Level 3		
10,830.00	6,280.78	10,714.11	6,213.55	126.93	126.59	-1.38	-126.36	4,328.10	363.35	114.25	249.10	1.459 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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
10,860.00	6,280.61	10,744.11	6,213.38	127.76	127.42	-1.38	-125.66	4,358.10	363.35	112.60	250.75	1.449	Level 3	
10,890.00	6,280.45	10,774.11	6,213.20	128.60	128.26	-1.38	-124.97	4,388.09	363.35	110.96	252.39	1.440	Level 3	
10,920.00	6,280.28	10,804.11	6,213.03	129.43	129.09	-1.38	-124.28	4,418.08	363.36	109.32	254.04	1.430	Level 3	
10,950.00	6,280.12	10,834.11	6,212.85	130.27	129.93	-1.38	-123.59	4,448.07	363.36	107.68	255.68	1.421	Level 3	
10,980.00	6,279.95	10,864.11	6,212.68	131.10	130.77	-1.38	-122.90	4,478.06	363.36	106.04	257.33	1.412	Level 3	
11,010.00	6,279.78	10,894.11	6,212.50	131.94	131.60	-1.38	-122.21	4,508.05	363.37	104.40	258.97	1.403	Level 3	
11,040.00	6,279.62	10,924.11	6,212.33	132.77	132.44	-1.38	-121.51	4,538.05	363.37	102.75	260.62	1.394	Level 3	
11,070.00	6,279.45	10,954.11	6,212.15	133.61	133.28	-1.38	-120.82	4,568.04	363.37	101.11	262.26	1.386	Level 3	
11,100.00	6,279.29	10,984.11	6,211.98	134.45	134.11	-1.38	-120.13	4,598.03	363.38	99.47	263.91	1.377	Level 3	
11,130.00	6,279.12	11,014.11	6,211.80	135.28	134.95	-1.38	-119.44	4,628.02	363.38	97.83	265.55	1.368	Level 3	
11,160.00	6,278.95	11,044.11	6,211.62	136.12	135.78	-1.38	-118.75	4,658.01	363.38	96.18	267.20	1.360	Level 3	
11,190.00	6,278.79	11,074.11	6,211.45	136.95	136.62	-1.38	-118.06	4,688.00	363.38	94.54	268.84	1.352	Level 3	
11,220.00	6,278.62	11,104.11	6,211.27	137.79	137.46	-1.38	-117.36	4,717.99	363.39	92.90	270.49	1.343	Level 3	
11,250.00	6,278.46	11,134.11	6,211.10	138.63	138.29	-1.38	-116.67	4,747.99	363.39	91.26	272.14	1.335	Level 3	
11,280.00	6,278.29	11,164.11	6,210.92	139.46	139.13	-1.38	-115.98	4,777.98	363.39	89.61	273.78	1.327	Level 3	
11,310.00	6,278.12	11,194.11	6,210.75	140.30	139.97	-1.38	-115.29	4,807.97	363.40	87.97	275.43	1.319	Level 3	
11,340.00	6,277.96	11,224.11	6,210.57	141.13	140.81	-1.38	-114.60	4,837.96	363.40	86.33	277.07	1.312	Level 3	
11,370.00	6,277.79	11,254.11	6,210.40	141.97	141.64	-1.38	-113.91	4,867.95	363.40	84.68	278.72	1.304	Level 3	
11,400.00	6,277.63	11,284.11	6,210.22	142.81	142.48	-1.38	-113.22	4,897.94	363.41	83.04	280.37	1.296	Level 3	
11,430.00	6,277.46	11,314.11	6,210.05	143.64	143.32	-1.38	-112.52	4,927.94	363.41	81.40	282.01	1.289	Level 3	
11,460.00	6,277.29	11,344.11	6,209.87	144.48	144.15	-1.38	-111.83	4,957.93	363.41	79.75	283.66	1.281	Level 3	
11,490.00	6,277.13	11,374.11	6,209.70	145.32	144.99	-1.38	-111.14	4,987.92	363.42	78.11	285.31	1.274	Level 3	
11,520.00	6,276.96	11,404.11	6,209.52	146.15	145.83	-1.38	-110.45	5,017.91	363.42	76.47	286.95	1.266	Level 3	
11,550.00	6,276.80	11,434.11	6,209.34	146.99	146.66	-1.38	-109.76	5,047.90	363.42	74.82	288.60	1.259	Level 3	
11,580.00	6,276.63	11,464.11	6,209.17	147.83	147.50	-1.38	-109.07	5,077.89	363.43	73.18	290.25	1.252	Level 3	
11,610.00	6,276.46	11,494.11	6,208.99	148.66	148.34	-1.38	-108.37	5,107.88	363.43	71.54	291.89	1.245	Level 2	
11,640.00	6,276.30	11,524.11	6,208.82	149.50	149.18	-1.38	-107.68	5,137.88	363.43	69.89	293.54	1.238	Level 2	
11,670.00	6,276.13	11,554.11	6,208.64	150.34	150.01	-1.38	-106.99	5,167.87	363.44	68.25	295.19	1.231	Level 2	
11,700.00	6,275.96	11,584.11	6,208.47	151.17	150.85	-1.38	-106.30	5,197.86	363.44	66.60	296.84	1.224	Level 2	
11,730.00	6,275.80	11,614.11	6,208.29	152.01	151.69	-1.38	-105.61	5,227.85	363.44	64.96	298.48	1.218	Level 2	
11,760.00	6,275.63	11,644.11	6,208.12	152.85	152.53	-1.38	-104.92	5,257.84	363.45	63.32	300.13	1.211	Level 2	
11,790.00	6,275.47	11,674.11	6,207.94	153.68	153.36	-1.38	-104.22	5,287.83	363.45	61.67	301.78	1.204	Level 2	
11,820.00	6,275.30	11,704.11	6,207.77	154.52	154.20	-1.38	-103.53	5,317.82	363.45	60.03	303.42	1.198	Level 2	
11,850.00	6,275.13	11,734.11	6,207.59	155.36	155.04	-1.38	-102.84	5,347.82	363.46	58.38	305.07	1.191	Level 2	
11,880.00	6,274.97	11,764.11	6,207.41	156.19	155.88	-1.38	-102.15	5,377.81	363.46	56.74	306.72	1.185	Level 2	
11,910.00	6,274.80	11,794.11	6,207.24	157.03	156.72	-1.38	-101.46	5,407.80	363.46	55.09	308.37	1.179	Level 2	
11,940.00	6,274.64	11,824.11	6,207.06	157.87	157.55	-1.38	-100.77	5,437.79	363.47	53.45	310.02	1.172	Level 2	
11,970.00	6,274.47	11,854.11	6,206.89	158.71	158.39	-1.38	-100.07	5,467.78	363.47	51.81	311.66	1.166	Level 2	
12,000.00	6,274.30	11,884.11	6,206.71	159.54	159.23	-1.38	-99.38	5,497.77	363.47	50.16	313.31	1.160	Level 2	
12,030.00	6,274.14	11,914.11	6,206.54	160.38	160.07	-1.38	-98.69	5,527.77	363.47	48.52	314.96	1.154	Level 2	
12,060.00	6,273.97	11,944.11	6,206.36	161.22	160.90	-1.38	-98.00	5,557.76	363.48	46.87	316.61	1.148	Level 2	
12,090.00	6,273.81	11,974.11	6,206.19	162.06	161.74	-1.38	-97.31	5,587.75	363.48	45.23	318.25	1.142	Level 2	
12,120.00	6,273.64	12,004.11	6,206.01	162.89	162.58	-1.38	-96.62	5,617.74	363.48	43.58	319.90	1.136	Level 2	
12,150.00	6,273.47	12,034.11	6,205.84	163.73	163.42	-1.38	-95.92	5,647.73	363.49	41.94	321.55	1.130	Level 2	
12,180.00	6,273.31	12,064.11	6,205.66	164.57	164.26	-1.38	-95.23	5,677.72	363.49	40.29	323.20	1.125	Level 2	
12,210.00	6,273.14	12,094.11	6,205.49	165.41	165.09	-1.38	-94.54	5,707.71	363.49	38.65	324.85	1.119	Level 2	
12,240.00	6,272.98	12,124.11	6,205.31	166.24	165.93	-1.38	-93.85	5,737.71	363.50	37.00	326.50	1.113	Level 2	
12,270.00	6,272.81	12,154.11	6,205.13	167.08	166.77	-1.38	-93.16	5,767.70	363.50	35.36	328.14	1.108	Level 2	
12,300.00	6,272.64	12,184.11	6,204.96	167.92	167.61	-1.38	-92.47	5,797.69	363.50	33.71	329.79	1.102	Level 2	
12,330.00	6,272.48	12,214.11	6,204.78	168.76	168.45	-1.38	-91.77	5,827.68	363.51	32.07	331.44	1.097	Level 2	
12,360.00	6,272.31	12,244.11	6,204.61	169.60	169.29	-1.38	-91.08	5,857.67	363.51	30.42	333.09	1.091	Level 2	
12,390.00	6,272.15	12,274.11	6,204.43	170.43	170.12	-1.38	-90.39	5,887.66	363.51	28.78	334.74	1.086	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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
12,420.00	6,271.98	12,304.11	6,204.26	171.27	170.96	-1.38	-89.70	5,917.66	363.52	27.13	336.39	1.081	Level 2	
12,450.00	6,271.81	12,334.11	6,204.08	172.11	171.80	-1.38	-89.01	5,947.65	363.52	25.48	338.04	1.075	Level 2	
12,480.00	6,271.65	12,364.11	6,203.91	172.95	172.64	-1.38	-88.32	5,977.64	363.52	23.84	339.68	1.070	Level 2	
12,510.00	6,271.48	12,394.11	6,203.73	173.78	173.48	-1.38	-87.63	6,007.63	363.53	22.19	341.33	1.065	Level 2	
12,540.00	6,271.32	12,424.11	6,203.56	174.62	174.32	-1.38	-86.93	6,037.62	363.53	20.55	342.98	1.060	Level 2	
12,570.00	6,271.15	12,454.11	6,203.38	175.46	175.15	-1.38	-86.24	6,067.61	363.53	18.90	344.63	1.055	Level 2	
12,600.00	6,270.98	12,484.11	6,203.20	176.30	175.99	-1.38	-85.55	6,097.60	363.54	17.26	346.28	1.050	Level 2	
12,630.00	6,270.82	12,514.11	6,203.03	177.14	176.83	-1.38	-84.86	6,127.60	363.54	15.61	347.93	1.045	Level 2	
12,660.00	6,270.65	12,544.11	6,202.85	177.98	177.67	-1.38	-84.17	6,157.59	363.54	13.97	349.58	1.040	Level 2	
12,690.00	6,270.49	12,574.11	6,202.68	178.81	178.51	-1.38	-83.48	6,187.58	363.55	12.32	351.23	1.035	Level 2	
12,720.00	6,270.32	12,604.11	6,202.50	179.65	179.35	-1.38	-82.78	6,217.57	363.55	10.67	352.87	1.030	Level 2	
12,750.00	6,270.15	12,634.11	6,202.33	180.49	180.19	-1.38	-82.09	6,247.56	363.55	9.03	354.52	1.025	Level 2	
12,780.00	6,269.99	12,664.11	6,202.15	181.33	181.02	-1.38	-81.40	6,277.55	363.56	7.38	356.17	1.021	Level 2	
12,810.00	6,269.82	12,694.11	6,201.98	182.17	181.86	-1.38	-80.71	6,307.54	363.56	5.74	357.82	1.016	Level 2	
12,840.00	6,269.66	12,724.11	6,201.80	183.00	182.70	-1.38	-80.02	6,337.54	363.56	4.09	359.47	1.011	Level 2	
12,870.00	6,269.49	12,754.11	6,201.63	183.84	183.54	-1.38	-79.33	6,367.53	363.56	2.44	361.12	1.007	Level 2	
12,900.00	6,269.32	12,784.11	6,201.45	184.68	184.38	-1.38	-78.63	6,397.52	363.57	0.80	362.77	1.002	Level 2	
12,930.00	6,269.16	12,814.11	6,201.28	185.52	185.22	-1.38	-77.94	6,427.51	363.57	-0.85	364.42	0.998	Level 1	
12,960.00	6,268.99	12,844.11	6,201.10	186.36	186.06	-1.38	-77.25	6,457.50	363.57	-2.49	366.07	0.993	Level 1	
12,990.00	6,268.83	12,874.11	6,200.92	187.20	186.90	-1.38	-76.56	6,487.49	363.58	-4.14	367.72	0.989	Level 1	
13,020.00	6,268.66	12,904.11	6,200.75	188.04	187.74	-1.38	-75.87	6,517.49	363.58	-5.79	369.37	0.984	Level 1	
13,050.00	6,268.49	12,934.11	6,200.57	188.87	188.57	-1.38	-75.18	6,547.48	363.58	-7.43	371.02	0.980	Level 1	
13,080.00	6,268.33	12,964.11	6,200.40	189.71	189.41	-1.38	-74.48	6,577.47	363.59	-9.08	372.67	0.976	Level 1	
13,110.00	6,268.16	12,994.11	6,200.22	190.55	190.25	-1.38	-73.79	6,607.46	363.59	-10.72	374.31	0.971	Level 1	
13,140.00	6,267.99	13,024.11	6,200.05	191.39	191.09	-1.38	-73.10	6,637.45	363.59	-12.37	375.96	0.967	Level 1	
13,170.00	6,267.83	13,054.11	6,199.87	192.23	191.93	-1.38	-72.41	6,667.44	363.60	-14.02	377.61	0.963	Level 1	
13,200.00	6,267.66	13,084.11	6,199.70	193.07	192.77	-1.38	-71.72	6,697.43	363.60	-15.66	379.26	0.959	Level 1	
13,230.00	6,267.50	13,114.11	6,199.52	193.91	193.61	-1.38	-71.03	6,727.43	363.60	-17.31	380.91	0.955	Level 1	
13,260.00	6,267.33	13,144.11	6,199.35	194.74	194.45	-1.38	-70.33	6,757.42	363.61	-18.96	382.56	0.950	Level 1	
13,290.00	6,267.16	13,174.11	6,199.17	195.58	195.29	-1.38	-69.64	6,787.41	363.61	-20.60	384.21	0.946	Level 1	
13,320.00	6,267.00	13,204.11	6,198.99	196.42	196.12	-1.38	-68.95	6,817.40	363.61	-22.25	385.86	0.942	Level 1	
13,350.00	6,266.83	13,234.11	6,198.82	197.26	196.96	-1.38	-68.26	6,847.39	363.62	-23.89	387.51	0.938	Level 1	
13,380.00	6,266.67	13,264.11	6,198.64	198.10	197.80	-1.38	-67.57	6,877.38	363.62	-25.54	389.16	0.934	Level 1	
13,410.00	6,266.50	13,294.11	6,198.47	198.94	198.64	-1.38	-66.88	6,907.38	363.62	-27.19	390.81	0.930	Level 1	
13,440.00	6,266.33	13,324.11	6,198.29	199.78	199.48	-1.38	-66.18	6,937.37	363.63	-28.83	392.46	0.927	Level 1	
13,470.00	6,266.17	13,354.11	6,198.12	200.62	200.32	-1.38	-65.49	6,967.36	363.63	-30.48	394.11	0.923	Level 1	
13,500.00	6,266.00	13,384.11	6,197.94	201.45	201.16	-1.38	-64.80	6,997.35	363.63	-32.13	395.76	0.919	Level 1	
13,530.00	6,265.84	13,414.11	6,197.77	202.29	202.00	-1.38	-64.11	7,027.34	363.64	-33.77	397.41	0.915	Level 1	
13,560.00	6,265.67	13,444.11	6,197.59	203.13	202.84	-1.38	-63.42	7,057.33	363.64	-35.42	399.06	0.911	Level 1	
13,590.00	6,265.50	13,474.11	6,197.42	203.97	203.68	-1.38	-62.73	7,087.32	363.64	-37.07	400.71	0.907	Level 1	
13,620.00	6,265.34	13,504.11	6,197.24	204.81	204.52	-1.38	-62.04	7,117.32	363.65	-38.71	402.36	0.904	Level 1	
13,650.00	6,265.17	13,534.11	6,197.07	205.65	205.36	-1.38	-61.34	7,147.31	363.65	-40.36	404.01	0.900	Level 1	
13,680.00	6,265.01	13,564.11	6,196.89	206.49	206.20	-1.38	-60.65	7,177.30	363.65	-42.01	405.66	0.896	Level 1	
13,710.00	6,264.84	13,594.11	6,196.71	207.33	207.03	-1.38	-59.96	7,207.29	363.65	-43.65	407.31	0.893	Level 1	
13,740.00	6,264.67	13,624.11	6,196.54	208.17	207.87	-1.38	-59.27	7,237.28	363.66	-45.30	408.96	0.889	Level 1	
13,770.00	6,264.51	13,654.11	6,196.36	209.00	208.71	-1.38	-58.58	7,267.27	363.66	-46.95	410.61	0.886	Level 1	
13,800.00	6,264.34	13,684.11	6,196.19	209.84	209.55	-1.38	-57.89	7,297.26	363.66	-48.59	412.26	0.882	Level 1	
13,830.00	6,264.18	13,714.11	6,196.01	210.68	210.39	-1.38	-57.19	7,327.25	363.67	-50.24	413.91	0.879	Level 1	
13,860.00	6,264.01	13,744.11	6,195.84	211.52	211.23	-1.38	-56.50	7,357.25	363.67	-51.89	415.56	0.875	Level 1	
13,890.00	6,263.84	13,774.11	6,195.66	212.36	212.07	-1.38	-55.81	7,387.24	363.67	-53.53	417.21	0.872	Level 1	
13,920.00	6,263.68	13,804.11	6,195.49	213.20	212.91	-1.38	-55.12	7,417.23	363.68	-55.18	418.86	0.868	Level 1	
13,950.00	6,263.51	13,834.11	6,195.31	214.04	213.75	-1.39	-54.43	7,447.22	363.68	-56.83	420.51	0.865	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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
13,980.00	6,263.35	13,864.11	6,195.14	214.88	214.59	-1.39	-53.74	7,477.21	363.68	-58.47	422.16	0.861	Level 1	
14,010.00	6,263.18	13,894.11	6,194.96	215.72	215.43	-1.39	-53.04	7,507.21	363.69	-60.12	423.81	0.858	Level 1	
14,040.00	6,263.01	13,924.11	6,194.78	216.56	216.27	-1.39	-52.35	7,537.20	363.69	-61.77	425.46	0.855	Level 1	
14,070.00	6,262.85	13,954.11	6,194.61	217.40	217.11	-1.39	-51.66	7,567.19	363.69	-63.41	427.11	0.852	Level 1	
14,100.00	6,262.68	13,984.11	6,194.43	218.24	217.95	-1.39	-50.97	7,597.18	363.70	-65.06	428.76	0.848	Level 1	
14,130.00	6,262.52	14,014.11	6,194.26	219.07	218.79	-1.39	-50.28	7,627.17	363.70	-66.71	430.41	0.845	Level 1	
14,160.00	6,262.35	14,044.11	6,194.08	219.91	219.63	-1.39	-49.59	7,657.16	363.70	-68.35	432.06	0.842	Level 1	
14,190.00	6,262.18	14,074.11	6,193.91	220.75	220.47	-1.39	-48.89	7,687.15	363.71	-70.00	433.71	0.839	Level 1	
14,220.00	6,262.02	14,104.11	6,193.73	221.59	221.31	-1.39	-48.20	7,717.15	363.71	-71.65	435.36	0.835	Level 1	
14,250.00	6,261.85	14,134.11	6,193.56	222.43	222.15	-1.39	-47.51	7,747.14	363.71	-73.30	437.01	0.832	Level 1	
14,280.00	6,261.69	14,164.11	6,193.38	223.27	222.98	-1.39	-46.82	7,777.13	363.72	-74.94	438.66	0.829	Level 1	
14,310.00	6,261.52	14,194.11	6,193.21	224.11	223.82	-1.39	-46.13	7,807.12	363.72	-76.59	440.31	0.826	Level 1	
14,340.00	6,261.35	14,224.11	6,193.03	224.95	224.66	-1.39	-45.44	7,837.11	363.72	-78.24	441.96	0.823	Level 1	
14,370.00	6,261.19	14,254.11	6,192.86	225.79	225.50	-1.39	-44.74	7,867.10	363.73	-79.88	443.61	0.820	Level 1	
14,400.00	6,261.02	14,284.11	6,192.68	226.63	226.34	-1.39	-44.05	7,897.09	363.73	-81.53	445.26	0.817	Level 1	
14,430.00	6,260.85	14,314.11	6,192.50	227.47	227.18	-1.39	-43.36	7,927.09	363.73	-83.18	446.91	0.814	Level 1	
14,460.00	6,260.69	14,344.11	6,192.33	228.31	228.02	-1.39	-42.67	7,957.08	363.74	-84.82	448.56	0.811	Level 1	
14,490.00	6,260.52	14,374.11	6,192.15	229.15	228.86	-1.39	-41.98	7,987.07	363.74	-86.47	450.21	0.808	Level 1	
14,520.00	6,260.36	14,404.11	6,191.98	229.99	229.70	-1.39	-41.29	8,017.06	363.74	-88.12	451.86	0.805	Level 1	
14,550.00	6,260.19	14,434.11	6,191.80	230.83	230.54	-1.39	-40.59	8,047.05	363.75	-89.77	453.51	0.802	Level 1	
14,580.00	6,260.02	14,464.11	6,191.63	231.67	231.38	-1.39	-39.90	8,077.04	363.75	-91.41	455.16	0.799	Level 1	
14,610.00	6,259.86	14,494.11	6,191.45	232.50	232.22	-1.39	-39.21	8,107.04	363.75	-93.06	456.81	0.796	Level 1	
14,640.00	6,259.69	14,524.11	6,191.28	233.34	233.06	-1.39	-38.52	8,137.03	363.75	-94.71	458.46	0.793	Level 1	
14,670.00	6,259.53	14,554.11	6,191.10	234.18	233.90	-1.39	-37.83	8,167.02	363.76	-96.35	460.11	0.791	Level 1	
14,700.00	6,259.36	14,584.11	6,190.93	235.02	234.74	-1.39	-37.14	8,197.01	363.76	-98.00	461.76	0.788	Level 1	
14,730.00	6,259.19	14,614.11	6,190.75	235.86	235.58	-1.39	-36.45	8,227.00	363.76	-99.65	463.41	0.785	Level 1	
14,760.00	6,259.03	14,644.11	6,190.57	236.70	236.42	-1.39	-35.75	8,256.99	363.77	-101.29	465.06	0.782	Level 1	
14,790.00	6,258.86	14,674.11	6,190.40	237.54	237.26	-1.39	-35.06	8,286.98	363.77	-102.94	466.71	0.779	Level 1	
14,820.00	6,258.70	14,704.11	6,190.22	238.38	238.10	-1.39	-34.37	8,316.98	363.77	-104.59	468.36	0.777	Level 1	
14,850.00	6,258.53	14,734.11	6,190.05	239.22	238.94	-1.39	-33.68	8,346.97	363.78	-106.24	470.01	0.774	Level 1	
14,880.00	6,258.36	14,764.11	6,189.87	240.06	239.78	-1.39	-32.99	8,376.96	363.78	-107.88	471.66	0.771	Level 1	
14,910.00	6,258.20	14,794.11	6,189.70	240.90	240.62	-1.39	-32.30	8,406.95	363.78	-109.53	473.31	0.769	Level 1	
14,940.00	6,258.03	14,824.11	6,189.52	241.74	241.46	-1.39	-31.60	8,436.94	363.79	-111.18	474.96	0.766	Level 1	
14,970.00	6,257.87	14,854.11	6,189.35	242.58	242.30	-1.39	-30.91	8,466.93	363.79	-112.82	476.61	0.763	Level 1	
15,000.00	6,257.70	14,884.11	6,189.17	243.42	243.14	-1.39	-30.22	8,496.93	363.79	-114.47	478.27	0.761	Level 1	
15,030.00	6,257.53	14,914.11	6,189.00	244.26	243.98	-1.39	-29.53	8,526.92	363.80	-116.12	479.92	0.758	Level 1	
15,060.00	6,257.37	14,944.11	6,188.82	245.10	244.82	-1.39	-28.84	8,556.91	363.80	-117.77	481.57	0.755	Level 1	
15,090.00	6,257.20	14,974.11	6,188.65	245.94	245.66	-1.39	-28.15	8,586.90	363.80	-119.41	483.22	0.753	Level 1	
15,120.00	6,257.04	15,004.11	6,188.47	246.78	246.50	-1.39	-27.45	8,616.89	363.81	-121.06	484.87	0.750	Level 1	
15,150.00	6,256.87	15,034.11	6,188.29	247.62	247.34	-1.39	-26.76	8,646.88	363.81	-122.71	486.52	0.748	Level 1	
15,180.00	6,256.70	15,064.11	6,188.12	248.46	248.18	-1.39	-26.07	8,676.87	363.81	-124.35	488.17	0.745	Level 1	
15,210.00	6,256.54	15,094.11	6,187.94	249.30	249.02	-1.39	-25.38	8,706.87	363.82	-126.00	489.82	0.743	Level 1	
15,240.00	6,256.37	15,124.11	6,187.77	250.14	249.86	-1.39	-24.69	8,736.86	363.82	-127.65	491.47	0.740	Level 1	
15,270.00	6,256.21	15,154.11	6,187.59	250.98	250.70	-1.39	-24.00	8,766.85	363.82	-129.30	493.12	0.738	Level 1	
15,300.00	6,256.04	15,184.11	6,187.42	251.82	251.54	-1.39	-23.30	8,796.84	363.83	-130.94	494.77	0.735	Level 1	
15,330.00	6,255.87	15,214.11	6,187.24	252.66	252.38	-1.39	-22.61	8,826.83	363.83	-132.59	496.42	0.733	Level 1	
15,360.00	6,255.71	15,244.11	6,187.07	253.50	253.22	-1.39	-21.92	8,856.82	363.83	-134.24	498.07	0.730	Level 1	
15,390.00	6,255.54	15,274.11	6,186.89	254.34	254.06	-1.39	-21.23	8,886.81	363.84	-135.88	499.72	0.728	Level 1	
15,420.00	6,255.38	15,304.11	6,186.72	255.18	254.90	-1.39	-20.54	8,916.81	363.84	-137.53	501.37	0.726	Level 1	
15,450.00	6,255.21	15,334.11	6,186.54	256.02	255.74	-1.39	-19.85	8,946.80	363.84	-139.18	503.02	0.723	Level 1	
15,480.00	6,255.04	15,364.11	6,186.36	256.86	255.58	-1.39	-19.15	8,976.79	363.85	-140.83	504.67	0.721	Level 1	
15,510.00	6,254.88	15,394.11	6,186.19	257.70	257.42	-1.39	-18.46	9,006.78	363.85	-142.47	506.32	0.719	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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
15,540.00	6,254.71	15,424.11	6,186.01	258.53	258.26	-1.39	-17.77	9,036.77	363.85	-144.12	507.97	0.716	Level 1	
15,570.00	6,254.55	15,454.11	6,185.84	259.37	259.10	-1.39	-17.08	9,066.76	363.86	-145.77	509.62	0.714	Level 1	
15,600.00	6,254.38	15,484.11	6,185.66	260.21	259.94	-1.39	-16.39	9,096.76	363.86	-147.42	511.27	0.712	Level 1	
15,630.00	6,254.21	15,514.11	6,185.49	261.05	260.78	-1.39	-15.70	9,126.75	363.86	-149.06	512.92	0.709	Level 1	
15,660.00	6,254.05	15,544.11	6,185.31	261.89	261.62	-1.39	-15.00	9,156.74	363.86	-150.71	514.57	0.707	Level 1	
15,690.00	6,253.88	15,574.11	6,185.14	262.73	262.46	-1.39	-14.31	9,186.73	363.87	-152.36	516.22	0.705	Level 1	
15,720.00	6,253.72	15,604.11	6,184.96	263.57	263.30	-1.39	-13.62	9,216.72	363.87	-154.00	517.88	0.703	Level 1	
15,750.00	6,253.55	15,634.11	6,184.79	264.41	264.14	-1.39	-12.93	9,246.71	363.87	-155.65	519.53	0.700	Level 1	
15,780.00	6,253.38	15,664.11	6,184.61	265.25	264.98	-1.39	-12.24	9,276.70	363.88	-157.30	521.18	0.698	Level 1	
15,810.00	6,253.22	15,694.11	6,184.44	266.09	265.82	-1.39	-11.55	9,306.70	363.88	-158.95	522.83	0.696	Level 1	
15,840.00	6,253.05	15,724.11	6,184.26	266.93	266.66	-1.39	-10.86	9,336.69	363.88	-160.59	524.48	0.694	Level 1	
15,870.00	6,252.88	15,754.11	6,184.08	267.77	267.50	-1.39	-10.16	9,366.68	363.89	-162.24	526.13	0.692	Level 1	
15,900.00	6,252.72	15,784.11	6,183.91	268.61	268.34	-1.39	-9.47	9,396.67	363.89	-163.89	527.78	0.689	Level 1	
15,930.00	6,252.55	15,814.11	6,183.73	269.45	269.18	-1.39	-8.78	9,426.66	363.89	-165.53	529.43	0.687	Level 1	
15,960.00	6,252.39	15,844.11	6,183.56	270.29	270.02	-1.39	-8.09	9,456.65	363.90	-167.18	531.08	0.685	Level 1	
15,990.00	6,252.22	15,874.11	6,183.38	271.13	270.86	-1.39	-7.40	9,486.65	363.90	-168.83	532.73	0.683	Level 1	
16,020.00	6,252.05	15,904.11	6,183.21	271.97	271.70	-1.39	-6.71	9,516.64	363.90	-170.48	534.38	0.681	Level 1	
16,050.00	6,251.89	15,934.11	6,183.03	272.81	272.54	-1.39	-6.01	9,546.63	363.91	-172.12	536.03	0.679	Level 1	
16,080.00	6,251.72	15,964.11	6,182.86	273.65	273.38	-1.39	-5.32	9,576.62	363.91	-173.77	537.68	0.677	Level 1	
16,110.00	6,251.56	15,994.11	6,182.68	274.49	274.22	-1.39	-4.63	9,606.61	363.91	-175.42	539.33	0.675	Level 1	
16,140.00	6,251.39	16,024.11	6,182.51	275.33	275.06	-1.39	-3.94	9,636.60	363.92	-177.06	540.98	0.673	Level 1	
16,170.00	6,251.22	16,054.11	6,182.33	276.17	275.90	-1.39	-3.25	9,666.59	363.92	-178.71	542.63	0.671	Level 1	
16,200.00	6,251.06	16,084.11	6,182.15	277.01	276.74	-1.39	-2.56	9,696.59	363.92	-180.36	544.28	0.669	Level 1	
16,230.00	6,250.89	16,114.11	6,181.98	277.85	277.58	-1.39	-1.86	9,726.58	363.93	-182.01	545.93	0.667	Level 1	
16,260.00	6,250.73	16,144.11	6,181.80	278.69	278.42	-1.39	-1.17	9,756.57	363.93	-183.65	547.58	0.665	Level 1	
16,290.00	6,250.56	16,174.11	6,181.63	279.53	279.26	-1.39	-0.48	9,786.56	363.93	-185.30	549.23	0.663	Level 1	
16,320.00	6,250.39	16,204.11	6,181.45	280.37	280.10	-1.39	0.21	9,816.55	363.94	-186.95	550.88	0.661	Level 1	
16,350.00	6,250.23	16,234.11	6,181.28	281.21	280.94	-1.39	0.90	9,846.54	363.94	-188.60	552.53	0.659	Level 1	
16,380.00	6,250.06	16,264.11	6,181.10	282.05	281.78	-1.39	1.59	9,876.53	363.94	-190.24	554.19	0.657	Level 1	
16,391.68	6,250.00	16,275.79	6,181.03	282.38	282.11	-1.39	1.86	9,888.21	363.94	-190.88	554.83	0.656	Level 1, ES, SF	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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	1.62	29.50	0.84	29.52					
30.00	30.00	30.00	30.00	0.01	0.03	1.62	29.50	0.84	29.52	29.48	0.03	872.535		
60.00	60.00	60.00	60.00	0.04	0.05	1.62	29.50	0.84	29.52	29.42	0.09	315.665		
90.00	90.00	90.00	90.00	0.08	0.08	1.62	29.50	0.84	29.52	29.36	0.15	192.688		
120.00	120.00	120.00	120.00	0.13	0.13	1.62	29.50	0.84	29.52	29.25	0.26	112.236		
150.00	150.00	150.00	150.00	0.20	0.20	1.62	29.50	0.84	29.52	29.12	0.40	74.190		
180.00	180.00	180.00	180.00	0.27	0.27	1.62	29.50	0.84	29.52	28.98	0.53	55.408		
210.00	210.00	210.00	210.00	0.33	0.33	1.62	29.50	0.84	29.52	28.85	0.67	44.214		
240.00	240.00	240.00	240.00	0.40	0.40	1.62	29.50	0.84	29.52	28.71	0.80	36.783		
270.00	270.00	270.00	270.00	0.47	0.47	1.62	29.50	0.84	29.52	28.58	0.94	31.491		
300.00	300.00	300.00	300.00	0.54	0.54	1.62	29.50	0.84	29.52	28.44	1.07	27.530		
330.00	330.00	330.00	330.00	0.60	0.60	1.62	29.50	0.84	29.52	28.31	1.21	24.454		
360.00	360.00	360.00	360.00	0.67	0.67	1.62	29.50	0.84	29.52	28.17	1.34	21.996		
390.00	390.00	390.00	390.00	0.74	0.74	1.62	29.50	0.84	29.52	28.04	1.48	19.987		
420.00	420.00	420.00	420.00	0.81	0.81	1.62	29.50	0.84	29.52	27.90	1.61	18.315		
450.00	450.00	450.00	450.00	0.87	0.87	1.62	29.50	0.84	29.52	27.77	1.75	16.900		
480.00	480.00	480.00	480.00	0.94	0.94	1.62	29.50	0.84	29.52	27.63	1.88	15.689		
510.00	510.00	510.00	510.00	1.01	1.01	1.62	29.50	0.84	29.52	27.50	2.02	14.640		
540.00	540.00	540.00	540.00	1.08	1.08	1.62	29.50	0.84	29.52	27.36	2.15	13.722		
570.00	570.00	570.00	570.00	1.14	1.14	1.62	29.50	0.84	29.52	27.23	2.29	12.912		
600.00	600.00	600.00	600.00	1.21	1.21	1.62	29.50	0.84	29.52	27.09	2.42	12.193		
630.00	630.00	630.00	630.00	1.28	1.28	1.62	29.50	0.84	29.52	26.96	2.56	11.549		
660.00	660.00	660.00	660.00	1.35	1.35	1.62	29.50	0.84	29.52	26.83	2.69	10.970		
690.00	690.00	690.00	690.00	1.41	1.41	1.62	29.50	0.84	29.52	26.69	2.83	10.447		
720.00	720.00	720.00	720.00	1.48	1.48	1.62	29.50	0.84	29.52	26.56	2.96	9.971		
750.00	750.00	750.00	750.00	1.55	1.55	1.62	29.50	0.84	29.52	26.42	3.10	9.536		
780.00	780.00	780.00	780.00	1.61	1.61	1.62	29.50	0.84	29.52	26.29	3.23	9.138		
810.00	810.00	810.00	810.00	1.68	1.68	1.62	29.50	0.84	29.52	26.15	3.36	8.772		
840.00	840.00	840.00	840.00	1.75	1.75	1.62	29.50	0.84	29.52	26.02	3.50	8.434		
870.00	870.00	870.00	870.00	1.82	1.82	1.62	29.50	0.84	29.52	25.88	3.63	8.121		
900.00	900.00	900.00	900.00	1.88	1.88	1.62	29.50	0.84	29.52	25.75	3.77	7.830 CC, ES		
930.00	930.00	929.92	929.92	1.94	1.95	1.47	29.55	0.69	29.69	25.80	3.89	7.626		
960.00	960.00	959.84	959.83	2.00	2.01	1.04	29.67	0.23	30.23	26.21	4.02	7.522		
990.00	989.99	989.74	989.72	2.06	2.08	0.34	29.89	-0.52	31.12	26.98	4.14	7.512		
1,020.00	1,019.96	1,019.62	1,019.58	2.12	2.14	-0.57	30.19	-1.57	32.37	28.11	4.26	7.595		
1,050.00	1,049.93	1,049.47	1,049.40	2.18	2.21	-1.63	30.57	-2.91	34.00	29.62	4.38	7.761		
1,080.00	1,079.88	1,079.28	1,079.16	2.23	2.27	-2.80	31.04	-4.56	36.00	31.50	4.50	8.003		
1,110.00	1,109.81	1,109.04	1,108.86	2.29	2.33	-4.01	31.59	-6.50	38.38	33.76	4.62	8.311		
1,140.00	1,139.72	1,138.79	1,138.52	2.35	2.40	-5.23	32.22	-8.72	41.14	36.40	4.74	8.675		
1,170.00	1,169.60	1,168.63	1,168.25	2.40	2.47	-6.17	32.88	-11.04	44.20	39.34	4.87	9.082		
1,200.00	1,199.45	1,198.44	1,197.97	2.46	2.54	-6.76	33.54	-13.36	47.53	42.54	4.99	9.523		
1,230.00	1,229.27	1,228.22	1,227.65	2.53	2.61	-7.06	34.20	-15.68	51.11	45.99	5.12	9.981		
1,260.00	1,259.05	1,257.98	1,257.31	2.60	2.67	-7.12	34.86	-18.00	54.94	49.69	5.25	10.465		
1,290.00	1,288.80	1,287.70	1,286.94	2.67	2.74	-6.99	35.52	-20.31	59.01	53.63	5.38	10.973		
1,320.00	1,318.50	1,317.38	1,316.52	2.74	2.81	-6.71	36.18	-22.62	63.34	57.83	5.51	11.494		
1,350.00	1,348.15	1,347.03	1,346.07	2.82	2.89	-6.31	36.83	-24.93	67.91	62.27	5.64	12.032		
1,380.00	1,377.76	1,376.63	1,375.58	2.90	2.96	-5.81	37.49	-27.23	72.74	66.97	5.78	12.592		
1,410.00	1,407.32	1,406.20	1,405.05	2.98	3.03	-5.27	38.14	-29.53	77.78	71.86	5.91	13.151		
1,440.00	1,436.88	1,435.76	1,434.51	3.07	3.10	-4.78	38.80	-31.83	82.83	76.78	6.06	13.678		
1,470.00	1,466.45	1,465.32	1,463.98	3.15	3.17	-4.36	39.45	-34.13	87.89	81.69	6.20	14.182		
1,500.00	1,496.01	1,494.89	1,493.44	3.24	3.25	-3.98	40.11	-36.43	92.96	86.62	6.34	14.665		
1,530.00	1,525.57	1,524.45	1,522.91	3.34	3.32	-3.64	40.76	-38.73	98.02	91.54	6.48	15.118		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	1,555.13	1,554.01	1,552.38	3.43	3.39	-3.33	41.42	-41.04	103.09	96.46	6.63	15.551		
1,590.00	1,584.69	1,583.58	1,581.84	3.53	3.47	-3.05	42.07	-43.34	108.17	101.39	6.77	15.966		
1,620.00	1,614.25	1,613.14	1,611.31	3.62	3.54	-2.80	42.72	-45.64	113.24	106.32	6.92	16.359		
1,650.00	1,643.81	1,642.71	1,640.78	3.72	3.61	-2.56	43.38	-47.94	118.32	111.25	7.07	16.734		
1,680.00	1,673.38	1,672.27	1,670.24	3.82	3.69	-2.35	44.03	-50.24	123.40	116.18	7.22	17.094		
1,710.00	1,702.94	1,701.83	1,699.71	3.92	3.76	-2.16	44.69	-52.54	128.48	121.11	7.37	17.437		
1,740.00	1,732.50	1,731.40	1,729.18	4.02	3.84	-1.97	45.34	-54.84	133.56	126.04	7.52	17.762		
1,770.00	1,762.06	1,760.96	1,758.64	4.13	3.91	-1.81	46.00	-57.14	138.65	130.98	7.67	18.076		
1,800.00	1,791.62	1,790.52	1,788.11	4.23	3.99	-1.65	46.65	-59.44	143.73	135.91	7.82	18.379		
1,830.00	1,821.18	1,820.09	1,817.58	4.33	4.06	-1.51	47.31	-61.74	148.82	140.85	7.97	18.667		
1,860.00	1,850.75	1,849.65	1,847.04	4.44	4.14	-1.37	47.96	-64.04	153.91	145.78	8.12	18.943		
1,890.00	1,880.31	1,879.21	1,876.51	4.54	4.22	-1.24	48.61	-66.34	158.99	150.71	8.28	19.206		
1,920.00	1,909.87	1,908.78	1,905.98	4.65	4.29	-1.12	49.27	-68.64	164.08	155.65	8.43	19.458		
1,950.00	1,939.43	1,938.34	1,935.44	4.76	4.37	-1.01	49.92	-70.94	169.17	160.58	8.59	19.700		
1,980.00	1,968.99	1,967.90	1,964.91	4.87	4.45	-0.91	50.58	-73.24	174.26	165.52	8.74	19.934		
2,010.00	1,998.55	1,997.47	1,994.38	4.98	4.52	-0.81	51.23	-75.54	179.35	170.45	8.90	20.159		
2,040.00	2,028.12	2,027.03	2,023.84	5.08	4.60	-0.71	51.89	-77.84	184.44	175.39	9.05	20.375		
2,070.00	2,057.68	2,056.59	2,053.31	5.19	4.68	-0.62	52.54	-80.15	189.53	180.32	9.21	20.583		
2,100.00	2,087.24	2,086.16	2,082.77	5.30	4.75	-0.54	53.20	-82.45	194.62	185.26	9.36	20.783		
2,130.00	2,116.80	2,115.72	2,112.24	5.41	4.83	-0.46	53.85	-84.75	199.72	190.19	9.52	20.976		
2,160.00	2,146.36	2,145.28	2,141.71	5.52	4.91	-0.38	54.50	-87.05	204.81	195.13	9.68	21.162		
2,190.00	2,175.92	2,174.85	2,171.17	5.64	4.98	-0.31	55.16	-89.35	209.90	200.07	9.84	21.342		
2,220.00	2,205.49	2,204.41	2,200.64	5.75	5.06	-0.24	55.81	-91.65	214.99	205.00	9.99	21.515		
2,250.00	2,235.05	2,233.97	2,230.11	5.86	5.14	-0.18	56.47	-93.95	220.09	209.94	10.15	21.682		
2,280.00	2,264.61	2,263.54	2,259.57	5.97	5.22	-0.11	57.12	-96.25	225.18	214.87	10.31	21.844		
2,310.00	2,294.17	2,293.10	2,289.04	6.08	5.29	-0.05	57.78	-98.55	230.27	219.81	10.47	22.000		
2,340.00	2,323.73	2,322.66	2,318.51	6.20	5.37	0.00	58.43	-100.85	235.37	224.74	10.63	22.151		
2,370.00	2,353.29	2,352.23	2,347.97	6.31	5.45	0.06	59.09	-103.15	240.46	229.68	10.78	22.297		
2,400.00	2,382.86	2,381.79	2,377.44	6.42	5.53	0.11	59.74	-105.45	245.56	234.61	10.94	22.439		
2,430.00	2,412.42	2,411.35	2,406.91	6.54	5.60	0.16	60.39	-107.75	250.65	239.55	11.10	22.576		
2,460.00	2,441.98	2,440.92	2,436.37	6.65	5.68	0.21	61.05	-110.05	255.75	244.49	11.26	22.709		
2,490.00	2,471.54	2,470.48	2,465.84	6.76	5.76	0.26	61.70	-112.35	260.84	249.42	11.42	22.838		
2,520.00	2,501.10	2,500.04	2,495.31	6.88	5.84	0.30	62.36	-114.65	265.94	254.36	11.58	22.963		
2,550.00	2,530.66	2,529.61	2,524.77	6.99	5.92	0.34	63.01	-116.95	271.03	259.29	11.74	23.083		
2,580.00	2,560.22	2,559.17	2,554.24	7.11	5.99	0.39	63.67	-119.26	276.13	264.23	11.90	23.201		
2,610.00	2,589.79	2,588.73	2,583.71	7.22	6.07	0.43	64.32	-121.56	281.22	269.16	12.06	23.315		
2,640.00	2,619.35	2,618.30	2,613.17	7.34	6.15	0.46	64.98	-123.86	286.32	274.10	12.22	23.426		
2,670.00	2,648.91	2,647.86	2,642.64	7.45	6.23	0.50	65.63	-126.16	291.42	279.03	12.38	23.533		
2,700.00	2,678.47	2,677.42	2,672.10	7.57	6.31	0.54	66.29	-128.46	296.51	283.97	12.54	23.638		
2,730.00	2,708.03	2,706.99	2,701.57	7.68	6.39	0.57	66.94	-130.76	301.61	288.90	12.70	23.740		
2,760.00	2,737.59	2,736.55	2,731.04	7.80	6.46	0.61	67.59	-133.06	306.71	293.84	12.87	23.839		
2,790.00	2,767.16	2,766.11	2,760.50	7.91	6.54	0.64	68.25	-135.36	311.80	298.78	13.03	23.935		
2,820.00	2,796.72	2,795.68	2,789.97	8.03	6.62	0.67	68.90	-137.66	316.90	303.71	13.19	24.029		
2,850.00	2,826.28	2,825.24	2,819.44	8.14	6.70	0.70	69.56	-139.96	322.00	308.65	13.35	24.120		
2,880.00	2,855.84	2,854.80	2,848.90	8.26	6.78	0.73	70.21	-142.26	327.09	313.58	13.51	24.209		
2,910.00	2,885.40	2,884.37	2,878.37	8.38	6.86	0.76	70.87	-144.56	332.19	318.52	13.67	24.295		
2,940.00	2,914.96	2,913.93	2,907.84	8.49	6.94	0.79	71.52	-146.86	337.29	323.45	13.83	24.380		
2,970.00	2,944.53	2,943.50	2,937.30	8.61	7.01	0.81	72.18	-149.16	342.38	328.39	14.00	24.462		
3,000.00	2,974.09	2,973.06	2,966.77	8.72	7.09	0.84	72.83	-151.46	347.48	333.32	14.16	24.542		
3,030.00	3,003.65	3,002.62	2,996.24	8.84	7.17	0.86	73.48	-153.76	352.58	338.26	14.32	24.620		
3,060.00	3,033.21	3,032.19	3,025.70	8.96	7.25	0.89	74.14	-156.06	357.67	343.19	14.48	24.696		
3,090.00	3,062.77	3,061.75	3,055.17	9.07	7.33	0.91	74.79	-158.37	362.77	348.13	14.65	24.771		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	3,092.33	3,091.31	3,084.64	9.19	7.41	0.94	75.45	-160.67	367.87	353.06	14.81	24.843		
3,150.00	3,121.90	3,120.88	3,114.10	9.31	7.49	0.96	76.10	-162.97	372.97	358.00	14.97	24.914		
3,180.00	3,151.46	3,150.44	3,143.57	9.42	7.57	0.98	76.76	-165.27	378.06	362.93	15.13	24.984		
3,210.00	3,181.02	3,180.00	3,173.03	9.54	7.65	1.00	77.41	-167.57	383.16	367.87	15.30	25.051		
3,240.00	3,210.58	3,209.57	3,202.50	9.66	7.72	1.02	78.07	-169.87	388.26	372.80	15.46	25.117		
3,270.00	3,240.14	3,239.13	3,231.97	9.78	7.80	1.04	78.72	-172.17	393.36	377.74	15.62	25.182		
3,300.00	3,269.70	3,268.69	3,261.43	9.89	7.88	1.06	79.37	-174.47	398.45	382.67	15.78	25.245		
3,330.00	3,299.27	3,298.26	3,290.90	10.01	7.96	1.08	80.03	-176.77	403.55	387.61	15.95	25.307		
3,360.00	3,328.83	3,327.82	3,320.37	10.13	8.04	1.10	80.68	-179.07	408.65	392.54	16.11	25.367		
3,390.00	3,358.39	3,357.38	3,349.83	10.24	8.12	1.12	81.34	-181.37	413.75	397.47	16.27	25.427		
3,420.00	3,387.95	3,386.95	3,379.30	10.36	8.20	1.14	81.99	-183.67	418.84	402.41	16.44	25.484		
3,450.00	3,417.51	3,416.51	3,408.77	10.48	8.28	1.16	82.65	-185.97	423.94	407.34	16.60	25.541		
3,480.00	3,447.07	3,446.07	3,438.23	10.60	8.36	1.17	83.30	-188.27	429.04	412.28	16.76	25.596		
3,510.00	3,476.63	3,475.64	3,467.70	10.71	8.44	1.19	83.96	-190.57	434.14	417.21	16.93	25.651		
3,540.00	3,506.20	3,505.20	3,497.17	10.83	8.52	1.21	84.61	-192.87	439.24	422.15	17.09	25.704		
3,570.00	3,535.76	3,534.76	3,526.63	10.95	8.60	1.22	85.26	-195.17	444.33	427.08	17.25	25.756		
3,600.00	3,565.32	3,564.33	3,556.10	11.07	8.67	1.24	85.92	-197.48	449.43	432.02	17.42	25.807		
3,630.00	3,594.88	3,593.89	3,585.57	11.19	8.75	1.25	86.57	-199.78	454.53	436.95	17.58	25.857		
3,660.00	3,624.44	3,623.45	3,615.03	11.30	8.83	1.27	87.23	-202.08	459.63	441.89	17.74	25.906		
3,690.00	3,654.00	3,653.02	3,644.50	11.42	8.91	1.28	87.88	-204.38	464.73	446.82	17.91	25.954		
3,720.00	3,683.57	3,682.58	3,673.97	11.54	8.99	1.30	88.54	-206.68	469.82	451.76	18.07	26.001		
3,750.00	3,713.13	3,712.14	3,703.43	11.66	9.07	1.31	89.19	-208.98	474.92	456.69	18.23	26.047		
3,780.00	3,742.69	3,741.71	3,732.90	11.78	9.15	1.32	89.85	-211.28	480.02	461.62	18.40	26.092		
3,810.00	3,772.25	3,771.27	3,762.36	11.89	9.23	1.34	90.50	-213.58	485.12	466.56	18.56	26.137		
3,840.00	3,801.81	3,800.83	3,791.83	12.01	9.31	1.35	91.15	-215.88	490.22	471.49	18.72	26.180		
3,870.00	3,831.37	3,830.40	3,821.30	12.13	9.39	1.36	91.81	-218.18	495.32	476.43	18.89	26.223		
3,900.00	3,860.94	3,859.96	3,850.76	12.25	9.47	1.38	92.46	-220.48	500.41	481.36	19.05	26.265		
3,930.00	3,890.50	3,889.52	3,880.23	12.37	9.55	1.39	93.12	-222.78	505.51	486.30	19.22	26.306		
3,960.00	3,920.06	3,919.09	3,909.70	12.48	9.63	1.40	93.77	-225.08	510.61	491.23	19.38	26.347		
3,990.00	3,949.62	3,948.65	3,939.16	12.60	9.71	1.41	94.43	-227.38	515.71	496.16	19.54	26.386		
4,020.00	3,979.18	3,978.21	3,968.63	12.72	9.79	1.42	95.08	-229.68	520.81	501.10	19.71	26.425		
4,050.00	4,008.74	4,007.78	3,998.10	12.84	9.87	1.43	95.74	-231.98	525.91	506.03	19.87	26.464		
4,080.00	4,038.31	4,037.34	4,027.56	12.96	9.95	1.45	96.39	-234.28	531.00	510.97	20.04	26.501		
4,110.00	4,067.87	4,066.90	4,057.03	13.08	10.02	1.46	97.05	-236.59	536.10	515.90	20.20	26.538		
4,140.00	4,097.43	4,096.47	4,086.50	13.19	10.10	1.47	97.70	-238.89	541.20	520.84	20.37	26.575		
4,170.00	4,126.99	4,126.03	4,115.96	13.31	10.18	1.48	98.35	-241.19	546.30	525.77	20.53	26.610		
4,200.00	4,156.55	4,155.59	4,145.43	13.43	10.26	1.49	99.01	-243.49	551.40	530.70	20.69	26.645		
4,230.00	4,186.11	4,185.16	4,174.90	13.55	10.34	1.50	99.66	-245.79	556.50	535.64	20.86	26.680		
4,260.00	4,215.68	4,214.72	4,204.36	13.67	10.42	1.51	100.32	-248.09	561.60	540.57	21.02	26.714		
4,290.00	4,245.24	4,244.29	4,233.83	13.79	10.50	1.52	100.97	-250.39	566.69	545.51	21.19	26.747		
4,320.00	4,274.80	4,273.85	4,263.30	13.91	10.58	1.53	101.63	-252.69	571.79	550.44	21.35	26.780		
4,350.00	4,304.36	4,303.41	4,292.76	14.02	10.66	1.54	102.28	-254.99	576.89	555.38	21.52	26.812		
4,380.00	4,333.92	4,332.98	4,322.23	14.14	10.74	1.55	102.94	-257.29	581.99	560.31	21.68	26.844		
4,410.00	4,363.48	4,362.54	4,351.69	14.26	10.82	1.56	103.59	-259.59	587.09	565.24	21.84	26.875		
4,440.00	4,393.04	4,392.10	4,381.16	14.38	10.90	1.56	104.24	-261.89	592.19	570.18	22.01	26.906		
4,470.00	4,422.61	4,421.67	4,410.63	14.50	10.98	1.57	104.90	-264.19	597.29	575.11	22.17	26.936		
4,500.00	4,452.17	4,451.23	4,440.09	14.62	11.06	1.58	105.55	-266.49	602.38	580.05	22.34	26.966		
4,530.00	4,481.73	4,480.79	4,469.56	14.74	11.14	1.59	106.21	-268.79	607.48	584.98	22.50	26.995		
4,560.00	4,511.29	4,510.36	4,499.03	14.85	11.22	1.60	106.86	-271.09	612.58	589.91	22.67	27.024		
4,590.00	4,540.85	4,539.92	4,528.49	14.97	11.30	1.61	107.52	-273.39	617.68	594.85	22.83	27.053		
4,620.00	4,570.41	4,569.48	4,557.96	15.09	11.38	1.61	108.17	-275.70	622.78	599.78	23.00	27.081		
4,650.00	4,599.98	4,599.05	4,587.43	15.21	11.46	1.62	108.83	-278.00	627.88	604.72	23.16	27.108		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	4,629.54	4,628.61	4,616.89	15.33	11.54	1.63	109.48	-280.30	632.98	609.65	23.33	27.135		
4,710.00	4,659.10	4,658.17	4,646.36	15.45	11.62	1.64	110.13	-282.60	638.08	614.58	23.49	27.162		
4,740.00	4,688.66	4,687.74	4,675.83	15.57	11.70	1.65	110.79	-284.90	643.17	619.52	23.66	27.188		
4,770.00	4,718.22	4,717.30	4,705.29	15.69	11.78	1.65	111.44	-287.20	648.27	624.45	23.82	27.214		
4,800.00	4,747.78	4,746.86	4,734.76	15.80	11.86	1.66	112.10	-289.50	653.37	629.39	23.99	27.240		
4,830.00	4,777.35	4,776.43	4,764.23	15.92	11.94	1.67	112.75	-291.80	658.47	634.32	24.15	27.265		
4,860.00	4,806.91	4,805.99	4,793.69	16.04	12.02	1.67	113.41	-294.10	663.57	639.25	24.32	27.290		
4,890.00	4,836.47	4,835.55	4,823.16	16.16	12.10	1.68	114.06	-296.40	668.67	644.19	24.48	27.314		
4,920.00	4,866.05	4,865.14	4,852.64	16.25	12.18	1.68	114.72	-298.70	673.65	649.01	24.64	27.335		
4,950.00	4,895.69	4,894.76	4,882.18	16.33	12.26	1.67	115.37	-301.01	678.36	653.55	24.81	27.348		
4,980.00	4,925.37	4,924.43	4,911.75	16.41	12.34	1.65	116.03	-303.32	682.80	657.83	24.97	27.350		
5,010.00	4,955.10	4,954.14	4,941.36	16.48	12.42	1.61	116.69	-305.63	686.96	661.84	25.12	27.343		
5,040.00	4,984.86	4,983.88	4,971.00	16.55	12.50	1.57	117.34	-307.94	690.85	665.57	25.28	27.330		
5,070.00	5,014.67	5,013.65	5,000.67	16.62	12.58	1.51	118.00	-310.26	694.46	669.03	25.43	27.306		
5,100.00	5,044.50	5,043.45	5,030.38	16.69	12.66	1.43	118.66	-312.58	697.81	672.22	25.59	27.272		
5,130.00	5,074.37	5,073.28	5,060.10	16.75	12.74	1.35	119.32	-314.90	700.87	675.14	25.74	27.234		
5,160.00	5,104.27	5,104.00	5,090.72	16.81	12.81	1.25	119.99	-317.26	703.66	677.78	25.88	27.191		
5,190.00	5,134.19	5,135.87	5,122.52	16.87	12.87	1.16	120.61	-319.42	706.11	680.10	26.00	27.153		
5,220.00	5,164.13	5,167.80	5,154.39	16.93	12.93	1.09	121.13	-321.24	708.19	682.07	26.12	27.108		
5,250.00	5,194.09	5,199.77	5,186.32	16.98	13.00	1.02	121.55	-322.73	709.92	683.67	26.24	27.053		
5,280.00	5,224.07	5,231.77	5,218.31	17.03	13.05	0.98	121.87	-323.87	711.28	684.93	26.35	26.995		
5,310.00	5,254.05	5,263.80	5,250.32	17.07	13.10	0.95	122.10	-324.67	712.28	685.83	26.45	26.926		
5,340.00	5,284.05	5,295.85	5,282.37	17.12	13.16	0.94	122.23	-325.12	712.92	686.37	26.55	26.848		
5,370.00	5,314.05	5,327.53	5,314.05	17.16	13.21	0.94	122.26	-325.23	713.21	686.56	26.65	26.761		
5,400.00	5,344.05	5,357.53	5,344.05	17.20	13.26	0.94	122.26	-325.23	713.23	686.55	26.75	26.664		
5,430.00	5,374.05	5,387.53	5,374.05	17.24	13.32	0.94	122.26	-325.23	713.23	686.55	26.85	26.567		
5,460.00	5,404.05	5,417.53	5,404.05	17.28	13.37	0.94	122.26	-325.23	713.23	686.55	26.95	26.470		
5,490.00	5,434.05	5,447.53	5,434.05	17.32	13.43	0.94	122.26	-325.23	713.23	686.55	27.05	26.373		
5,520.00	5,464.05	5,477.53	5,464.05	17.35	13.48	0.94	122.26	-325.23	713.23	686.55	27.15	26.276		
5,550.00	5,494.05	5,507.53	5,494.05	17.39	13.54	0.94	122.26	-325.23	713.23	686.55	27.25	26.179		
5,580.00	5,524.05	5,537.53	5,524.05	17.43	13.60	0.94	122.26	-325.23	713.23	686.55	27.35	26.082		
5,610.00	5,554.05	5,567.53	5,554.05	17.47	13.65	0.94	122.26	-325.23	713.23	686.55	27.45	25.985		
5,640.00	5,584.05	5,597.53	5,584.05	17.50	13.71	0.94	122.26	-325.23	713.23	686.55	27.55	25.888		
5,670.00	5,614.05	5,627.53	5,614.05	17.54	13.77	0.94	122.26	-325.23	713.23	686.55	27.65	25.791		
5,700.00	5,644.05	5,657.53	5,644.05	17.58	13.83	0.94	122.26	-325.23	713.23	686.55	27.75	25.694		
5,730.00	5,674.05	5,687.53	5,674.05	17.62	13.88	0.94	122.26	-325.23	713.23	686.55	27.85	25.597		
5,760.00	5,704.05	5,717.53	5,704.05	17.66	13.94	0.94	122.26	-325.23	713.23	686.55	27.95	25.500		
5,790.00	5,734.05	5,747.53	5,734.05	17.70	14.00	0.94	122.26	-325.23	713.23	686.55	28.05	25.403		
5,820.00	5,764.05	5,777.53	5,764.05	17.74	14.06	0.94	122.26	-325.23	713.23	686.55	28.15	25.306		
5,850.00	5,794.05	5,807.53	5,794.05	17.78	14.11	0.94	122.26	-325.23	713.23	686.55	28.25	25.209		
5,880.00	5,824.05	5,836.66	5,823.18	17.82	14.16	0.96	122.27	-325.01	713.24	686.55	28.35	25.112		
5,910.00	5,854.03	5,864.93	5,851.39	17.85	14.20	1.03	122.31	-323.31	713.28	686.55	28.45	25.015		
5,940.00	5,883.91	5,893.15	5,879.41	17.88	14.23	1.09	122.39	-319.95	713.32	686.55	28.55	24.918		
5,970.00	5,913.56	5,921.33	5,907.13	17.89	14.24	1.12	122.50	-314.95	713.35	686.55	28.65	24.821		
6,000.00	5,942.86	5,950.00	5,934.99	17.90	14.26	1.15	122.66	-308.19	713.38	686.55	28.75	24.724		
6,030.00	5,971.71	5,977.57	5,961.35	17.90	14.26	1.14	122.84	-300.13	713.41	686.55	28.85	24.627		
6,060.00	5,999.99	6,005.65	5,987.67	17.89	14.26	1.12	123.07	-290.37	713.43	686.55	28.95	24.530		
6,090.00	6,027.58	6,033.71	6,013.36	17.88	14.25	1.08	123.33	-279.09	713.45	686.55	29.05	24.433		
6,120.00	6,054.37	6,061.75	6,038.32	17.85	14.24	1.03	123.62	-266.33	713.46	686.55	29.15	24.336		
6,150.00	6,080.27	6,089.79	6,062.49	17.83	14.23	0.95	123.95	-252.12	713.46	686.55	29.25	24.239		
6,180.00	6,105.17	6,117.83	6,085.78	17.80	14.23	0.86	124.31	-236.53	713.46	686.55	29.35	24.142		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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	6,128.96	6,145.87	6,108.12	17.76	14.22	0.75	124.70	-219.59	713.46	684.97	28.49	25.042		
6,240.00	6,151.57	6,173.93	6,129.44	17.72	14.23	0.64	125.13	-201.36	713.44	684.95	28.50	25.033		
6,270.00	6,172.89	6,202.00	6,149.66	17.68	14.25	0.50	125.58	-181.90	713.43	684.89	28.54	25.000		
6,300.00	6,192.84	6,230.10	6,168.72	17.64	14.28	0.36	126.05	-161.26	713.41	684.80	28.61	24.936		
6,330.00	6,211.35	6,258.22	6,186.55	17.60	14.34	0.21	126.55	-139.52	713.38	684.65	28.73	24.832		
6,360.00	6,228.34	6,286.39	6,203.09	17.56	14.42	0.06	127.08	-116.73	713.35	684.45	28.90	24.686		
6,390.00	6,243.74	6,314.60	6,218.28	17.52	14.53	-0.10	127.63	-92.97	713.31	684.19	29.12	24.492		
6,420.00	6,257.50	6,342.85	6,232.06	17.47	14.67	-0.26	128.20	-68.32	713.27	683.86	29.41	24.250		
6,450.00	6,269.55	6,371.17	6,244.38	17.43	14.84	-0.42	128.79	-42.84	713.23	683.46	29.77	23.957		
6,480.00	6,279.86	6,400.00	6,255.36	17.39	15.05	-0.54	129.40	-16.19	713.19	682.98	30.21	23.610		
6,510.00	6,288.38	6,427.98	6,264.45	17.35	15.28	-0.72	130.01	10.26	713.15	682.44	30.71	23.222		
6,540.00	6,295.07	6,456.49	6,272.10	17.31	15.56	-0.87	130.65	37.71	713.10	681.81	31.29	22.791		
6,570.00	6,299.92	6,485.08	6,278.12	17.28	15.87	-1.00	131.29	65.65	713.06	681.12	31.93	22.330		
6,600.00	6,302.90	6,513.75	6,282.46	17.25	16.21	-1.12	131.95	93.98	713.01	680.37	32.64	21.844		
6,630.00	6,304.00	6,542.52	6,285.10	17.25	16.59	-1.23	132.61	122.61	712.97	679.56	33.41	21.340		
6,660.00	6,303.86	6,571.39	6,286.01	17.45	16.98	-1.32	133.28	151.46	712.94	678.69	34.25	20.817		
6,661.61	6,303.85	6,572.94	6,286.01	17.47	17.00	-1.33	133.31	153.01	712.94	678.65	34.29	20.789		
6,690.00	6,303.69	6,601.21	6,285.78	17.90	17.42	-1.34	133.96	181.27	712.95	677.82	35.13	20.296		
6,720.00	6,303.53	6,631.21	6,285.52	18.41	17.92	-1.34	134.66	211.26	712.95	676.84	36.12	19.741		
6,750.00	6,303.36	6,661.21	6,285.25	18.94	18.41	-1.34	135.35	241.25	712.96	675.83	37.13	19.202		
6,780.00	6,303.20	6,691.21	6,284.99	19.48	18.91	-1.34	136.04	271.24	712.96	674.82	38.14	18.693		
6,810.00	6,303.03	6,721.21	6,284.73	20.04	19.46	-1.34	136.74	301.23	712.97	673.74	39.23	18.175		
6,840.00	6,302.86	6,751.21	6,284.47	20.64	20.03	-1.34	137.43	331.23	712.97	672.59	40.38	17.656		
6,870.00	6,302.70	6,781.21	6,284.21	21.23	20.60	-1.34	138.12	361.22	712.98	671.44	41.54	17.165		
6,900.00	6,302.53	6,811.21	6,283.95	21.83	21.19	-1.34	138.81	391.21	712.98	670.27	42.71	16.693		
6,930.00	6,302.37	6,841.21	6,283.68	22.47	21.82	-1.34	139.51	421.20	712.99	669.01	43.97	16.214		
6,960.00	6,302.20	6,871.21	6,283.42	23.12	22.44	-1.34	140.20	451.19	712.99	667.76	45.24	15.762		
6,990.00	6,302.03	6,901.21	6,283.16	23.76	23.07	-1.34	140.89	481.18	713.00	666.50	46.50	15.334		
7,020.00	6,301.87	6,931.21	6,282.90	24.43	23.74	-1.34	141.59	511.17	713.00	665.18	47.83	14.907		
7,050.00	6,301.70	6,961.21	6,282.64	25.11	24.41	-1.34	142.28	541.16	713.01	663.84	49.17	14.500		
7,080.00	6,301.54	6,991.21	6,282.37	25.78	25.07	-1.34	142.97	571.15	713.01	662.50	50.51	14.115		
7,110.00	6,301.37	7,021.21	6,282.11	26.47	25.76	-1.34	143.66	601.14	713.02	661.13	51.89	13.741		
7,140.00	6,301.20	7,051.21	6,281.85	27.18	26.46	-1.34	144.36	631.13	713.03	659.73	53.29	13.379		
7,170.00	6,301.04	7,081.21	6,281.59	27.88	27.16	-1.34	145.05	661.12	713.03	658.33	54.70	13.036		
7,200.00	6,300.87	7,111.21	6,281.33	28.59	27.87	-1.34	145.74	691.11	713.04	656.93	56.11	12.708		
7,230.00	6,300.71	7,141.21	6,281.07	29.32	28.60	-1.34	146.44	721.10	713.04	655.48	57.56	12.387		
7,260.00	6,300.54	7,171.21	6,280.80	30.04	29.32	-1.34	147.13	751.10	713.05	654.03	59.01	12.083		
7,290.00	6,300.37	7,201.21	6,280.54	30.77	30.04	-1.34	147.82	781.09	713.05	652.59	60.47	11.793		
7,320.00	6,300.21	7,231.21	6,280.28	31.51	30.79	-1.34	148.51	811.08	713.06	651.11	61.95	11.511		
7,350.00	6,300.04	7,261.21	6,280.02	32.26	31.53	-1.34	149.21	841.07	713.06	649.63	63.44	11.241		
7,380.00	6,299.88	7,291.21	6,279.76	33.00	32.27	-1.34	149.90	871.06	713.07	648.15	64.92	10.983		
7,410.00	6,299.71	7,321.21	6,279.49	33.75	33.02	-1.34	150.59	901.05	713.07	646.65	66.43	10.735		
7,440.00	6,299.54	7,351.21	6,279.23	34.51	33.78	-1.34	151.29	931.04	713.08	645.14	67.94	10.495		
7,470.00	6,299.38	7,381.21	6,278.97	35.26	34.54	-1.34	151.98	961.03	713.08	643.62	69.46	10.266		
7,500.00	6,299.21	7,411.21	6,278.71	36.02	35.30	-1.34	152.67	991.02	713.09	642.11	70.98	10.046		
7,530.00	6,299.04	7,441.21	6,278.45	36.79	36.07	-1.34	153.36	1,021.01	713.10	640.57	72.52	9.833		
7,560.00	6,298.88	7,471.21	6,278.18	37.56	36.84	-1.34	154.06	1,051.00	713.10	639.04	74.06	9.628		
7,590.00	6,298.71	7,501.21	6,277.92	38.33	37.61	-1.34	154.75	1,080.99	713.11	637.50	75.60	9.432		
7,620.00	6,298.55	7,531.21	6,277.66	39.11	38.39	-1.34	155.44	1,110.98	713.11	635.95	77.16	9.242		
7,650.00	6,298.38	7,561.21	6,277.40	39.88	39.17	-1.34	156.14	1,140.97	713.12	634.40	78.72	9.059		
7,680.00	6,298.21	7,591.20	6,277.14	40.66	39.95	-1.34	156.83	1,170.97	713.12	632.85	80.28	8.883		
7,710.00	6,298.05	7,621.20	6,276.88	41.44	40.73	-1.34	157.52	1,200.96	713.13	631.29	81.84	8.713		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
7,740.00	6,297.88	7,651.20	6,276.61	42.23	41.52	-1.34	158.21	1,230.95	713.13	629.72	83.42	8.549		
7,770.00	6,297.72	7,681.20	6,276.35	43.01	42.30	-1.34	158.91	1,260.94	713.14	628.15	84.99	8.391		
7,800.00	6,297.55	7,711.20	6,276.09	43.80	43.09	-1.34	159.60	1,290.93	713.15	626.58	86.57	8.238		
7,830.00	6,297.38	7,741.20	6,275.83	44.59	43.89	-1.34	160.29	1,320.92	713.15	625.00	88.16	8.090		
7,860.00	6,297.22	7,771.20	6,275.57	45.38	44.68	-1.34	160.99	1,350.91	713.16	623.41	89.74	7.947		
7,890.00	6,297.05	7,801.20	6,275.30	46.18	45.47	-1.34	161.68	1,380.90	713.16	621.83	91.33	7.809		
7,920.00	6,296.89	7,831.20	6,275.04	46.97	46.27	-1.34	162.37	1,410.89	713.17	620.24	92.93	7.675		
7,950.00	6,296.72	7,861.20	6,274.78	47.77	47.07	-1.34	163.06	1,440.88	713.17	618.65	94.52	7.545		
7,980.00	6,296.55	7,891.20	6,274.52	48.57	47.87	-1.34	163.76	1,470.87	713.18	617.06	96.12	7.420		
8,010.00	6,296.39	7,921.20	6,274.26	49.37	48.67	-1.34	164.45	1,500.86	713.19	615.46	97.72	7.298		
8,040.00	6,296.22	7,951.20	6,273.99	50.17	49.47	-1.34	165.14	1,530.85	713.19	613.86	99.33	7.180		
8,070.00	6,296.06	7,981.20	6,273.73	50.97	50.28	-1.34	165.84	1,560.84	713.20	612.26	100.94	7.066		
8,100.00	6,295.89	8,011.20	6,273.47	51.77	51.08	-1.34	166.53	1,590.84	713.20	610.66	102.54	6.955		
8,130.00	6,295.72	8,041.20	6,273.21	52.58	51.89	-1.34	167.22	1,620.83	713.21	609.05	104.16	6.847		
8,160.00	6,295.56	8,071.20	6,272.95	53.38	52.70	-1.34	167.91	1,650.82	713.21	607.44	105.77	6.743		
8,190.00	6,295.39	8,101.20	6,272.69	54.19	53.50	-1.34	168.61	1,680.81	713.22	605.83	107.39	6.642		
8,220.00	6,295.23	8,131.20	6,272.42	55.00	54.32	-1.34	169.30	1,710.80	713.23	604.22	109.01	6.543		
8,250.00	6,295.06	8,161.20	6,272.16	55.80	55.13	-1.34	169.99	1,740.79	713.23	602.60	110.63	6.447		
8,280.00	6,294.89	8,191.20	6,271.90	56.61	55.94	-1.34	170.69	1,770.78	713.24	600.99	112.25	6.354		
8,310.00	6,294.73	8,221.20	6,271.64	57.42	56.75	-1.34	171.38	1,800.77	713.24	599.37	113.87	6.264		
8,340.00	6,294.56	8,251.20	6,271.38	58.24	57.56	-1.34	172.07	1,830.76	713.25	597.75	115.50	6.175		
8,370.00	6,294.40	8,281.20	6,271.11	59.05	58.38	-1.34	172.76	1,860.75	713.25	596.13	117.12	6.090		
8,400.00	6,294.23	8,311.20	6,270.85	59.86	59.19	-1.34	173.46	1,890.74	713.26	594.51	118.75	6.006		
8,430.00	6,294.06	8,341.20	6,270.59	60.67	60.01	-1.34	174.15	1,920.73	713.27	592.88	120.38	5.925		
8,460.00	6,293.90	8,371.20	6,270.33	61.49	60.82	-1.34	174.84	1,950.72	713.27	591.26	122.01	5.846		
8,490.00	6,293.73	8,401.20	6,270.07	62.30	61.64	-1.34	175.53	1,980.71	713.28	589.63	123.64	5.769		
8,520.00	6,293.57	8,431.20	6,269.81	63.12	62.46	-1.34	176.23	2,010.70	713.28	588.01	125.28	5.694		
8,550.00	6,293.40	8,461.20	6,269.54	63.94	63.27	-1.34	176.92	2,040.70	713.29	586.38	126.91	5.620		
8,580.00	6,293.23	8,491.20	6,269.28	64.75	64.09	-1.34	177.61	2,070.69	713.30	584.75	128.55	5.549		
8,610.00	6,293.07	8,521.20	6,269.02	65.57	64.91	-1.34	178.31	2,100.68	713.30	583.11	130.19	5.479		
8,640.00	6,292.90	8,551.20	6,268.76	66.39	65.73	-1.34	179.00	2,130.67	713.31	581.48	131.83	5.411		
8,670.00	6,292.74	8,581.20	6,268.50	67.21	66.55	-1.34	179.69	2,160.66	713.31	579.85	133.46	5.345		
8,700.00	6,292.57	8,611.20	6,268.23	68.03	67.37	-1.34	180.38	2,190.65	713.32	578.21	135.10	5.280		
8,730.00	6,292.40	8,641.20	6,267.97	68.85	68.19	-1.34	181.08	2,220.64	713.33	576.58	136.75	5.216		
8,760.00	6,292.24	8,671.20	6,267.71	69.67	69.02	-1.34	181.77	2,250.63	713.33	574.94	138.39	5.155		
8,790.00	6,292.07	8,701.20	6,267.45	70.49	69.84	-1.34	182.46	2,280.62	713.34	573.31	140.03	5.094		
8,820.00	6,291.90	8,731.20	6,267.19	71.31	70.66	-1.34	183.16	2,310.61	713.34	571.67	141.68	5.035		
8,850.00	6,291.74	8,761.20	6,266.92	72.13	71.48	-1.34	183.85	2,340.60	713.35	570.03	143.32	4.977		
8,880.00	6,291.57	8,791.20	6,266.66	72.95	72.31	-1.34	184.54	2,370.59	713.36	568.39	144.97	4.921		
8,910.00	6,291.41	8,821.20	6,266.40	73.77	73.13	-1.34	185.23	2,400.58	713.36	566.75	146.61	4.866		
8,940.00	6,291.24	8,851.20	6,266.14	74.60	73.96	-1.34	185.93	2,430.57	713.37	565.11	148.26	4.812		
8,970.00	6,291.07	8,881.20	6,265.88	75.42	74.78	-1.34	186.62	2,460.57	713.37	563.46	149.91	4.759		
9,000.00	6,290.91	8,911.20	6,265.62	76.24	75.61	-1.34	187.31	2,490.56	713.38	561.82	151.56	4.707		
9,030.00	6,290.74	8,941.20	6,265.35	77.07	76.43	-1.34	188.01	2,520.55	713.39	560.18	153.21	4.656		
9,060.00	6,290.58	8,971.20	6,265.09	77.89	77.26	-1.34	188.70	2,550.54	713.39	558.53	154.86	4.607		
9,090.00	6,290.41	9,001.20	6,264.83	78.72	78.08	-1.34	189.39	2,580.53	713.40	556.89	156.51	4.558		
9,120.00	6,290.24	9,031.20	6,264.57	79.54	78.91	-1.34	190.08	2,610.52	713.40	555.24	158.16	4.511		
9,150.00	6,290.08	9,061.20	6,264.31	80.37	79.74	-1.34	190.78	2,640.51	713.41	553.60	159.81	4.464		
9,180.00	6,289.91	9,091.20	6,264.04	81.19	80.56	-1.34	191.47	2,670.50	713.42	551.95	161.47	4.418		
9,210.00	6,289.75	9,121.20	6,263.78	82.02	81.39	-1.34	192.16	2,700.49	713.42	550.30	163.12	4.374		
9,240.00	6,289.58	9,151.20	6,263.52	82.85	82.22	-1.34	192.86	2,730.48	713.43	548.66	164.77	4.330		
9,270.00	6,289.41	9,181.20	6,263.26	83.67	83.05	-1.34	193.55	2,760.47	713.44	547.01	166.43	4.287		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
9,300.00	6,289.25	9,211.20	6,263.00	84.50	83.88	-1.34	194.24	2,790.46	713.44	545.36	168.08	4.245		
9,330.00	6,289.08	9,241.20	6,262.74	85.33	84.70	-1.34	194.93	2,820.45	713.45	543.71	169.74	4.203		
9,360.00	6,288.92	9,271.20	6,262.47	86.16	85.53	-1.34	195.63	2,850.44	713.45	542.06	171.39	4.163		
9,390.00	6,288.75	9,301.20	6,262.21	86.98	86.36	-1.34	196.32	2,880.44	713.46	540.41	173.05	4.123		
9,420.00	6,288.58	9,331.20	6,261.95	87.81	87.19	-1.34	197.01	2,910.43	713.47	538.76	174.71	4.084		
9,450.00	6,288.42	9,361.20	6,261.69	88.64	88.02	-1.34	197.71	2,940.42	713.47	537.11	176.36	4.045		
9,480.00	6,288.25	9,391.20	6,261.43	89.47	88.85	-1.34	198.40	2,970.41	713.48	535.46	178.02	4.008		
9,510.00	6,288.09	9,421.20	6,261.16	90.30	89.68	-1.34	199.09	3,000.40	713.49	533.81	179.68	3.971		
9,540.00	6,287.92	9,451.20	6,260.90	91.13	90.51	-1.34	199.78	3,030.39	713.49	532.16	181.34	3.935		
9,570.00	6,287.75	9,481.20	6,260.64	91.96	91.34	-1.34	200.48	3,060.38	713.50	530.50	183.00	3.899		
9,600.00	6,287.59	9,511.20	6,260.38	92.79	92.17	-1.34	201.17	3,090.37	713.51	528.85	184.65	3.864		
9,630.00	6,287.42	9,541.20	6,260.12	93.62	93.00	-1.34	201.86	3,120.36	713.51	527.20	186.31	3.830		
9,660.00	6,287.26	9,571.19	6,259.85	94.44	93.83	-1.34	202.56	3,150.35	713.52	525.54	187.97	3.796		
9,690.00	6,287.09	9,601.19	6,259.59	95.27	94.66	-1.34	203.25	3,180.34	713.52	523.89	189.63	3.763		
9,720.00	6,286.92	9,631.19	6,259.33	96.11	95.49	-1.34	203.94	3,210.33	713.53	522.24	191.29	3.730		
9,750.00	6,286.76	9,661.19	6,259.07	96.94	96.33	-1.34	204.63	3,240.32	713.54	520.58	192.96	3.698		
9,780.00	6,286.59	9,691.19	6,258.81	97.77	97.16	-1.34	205.33	3,270.31	713.54	518.93	194.62	3.666		
9,810.00	6,286.43	9,721.19	6,258.55	98.60	97.99	-1.34	206.02	3,300.31	713.55	517.27	196.28	3.635		
9,840.00	6,286.26	9,751.19	6,258.28	99.43	98.82	-1.34	206.71	3,330.30	713.56	515.62	197.94	3.605		
9,870.00	6,286.09	9,781.19	6,258.02	100.26	99.65	-1.34	207.41	3,360.29	713.56	513.96	199.60	3.575		
9,900.00	6,285.93	9,811.19	6,257.76	101.09	100.49	-1.34	208.10	3,390.28	713.57	512.30	201.26	3.545		
9,930.00	6,285.76	9,841.19	6,257.50	101.92	101.32	-1.34	208.79	3,420.27	713.58	510.65	202.93	3.516		
9,960.00	6,285.60	9,871.19	6,257.24	102.75	102.15	-1.34	209.48	3,450.26	713.58	508.99	204.59	3.488		
9,990.00	6,285.43	9,901.19	6,256.97	103.59	102.98	-1.34	210.18	3,480.25	713.59	507.34	206.25	3.460		
10,020.00	6,285.26	9,931.19	6,256.71	104.42	103.82	-1.34	210.87	3,510.24	713.60	505.68	207.92	3.432		
10,050.00	6,285.10	9,961.19	6,256.45	105.25	104.65	-1.34	211.56	3,540.23	713.60	504.02	209.58	3.405		
10,080.00	6,284.93	9,991.19	6,256.19	106.08	105.48	-1.34	212.26	3,570.22	713.61	502.36	211.25	3.378		
10,110.00	6,284.77	10,021.19	6,255.93	106.91	106.32	-1.34	212.95	3,600.21	713.62	500.71	212.91	3.352		
10,140.00	6,284.60	10,051.19	6,255.66	107.75	107.15	-1.34	213.64	3,630.20	713.62	499.05	214.57	3.326		
10,170.00	6,284.43	10,081.19	6,255.40	108.58	107.98	-1.34	214.33	3,660.19	713.63	497.39	216.24	3.300		
10,200.00	6,284.27	10,111.19	6,255.14	109.41	108.82	-1.34	215.03	3,690.18	713.64	495.73	217.90	3.275		
10,230.00	6,284.10	10,141.19	6,254.88	110.25	109.65	-1.34	215.72	3,720.17	713.64	494.07	219.57	3.250		
10,260.00	6,283.93	10,171.19	6,254.62	111.08	110.48	-1.34	216.41	3,750.17	713.65	492.41	221.23	3.226		
10,290.00	6,283.77	10,201.19	6,254.36	111.91	111.32	-1.34	217.11	3,780.16	713.66	490.76	222.90	3.202		
10,320.00	6,283.60	10,231.19	6,254.09	112.74	112.15	-1.34	217.80	3,810.15	713.66	489.10	224.57	3.178		
10,350.00	6,283.44	10,261.19	6,253.83	113.58	112.99	-1.34	218.49	3,840.14	713.67	487.44	226.23	3.155		
10,380.00	6,283.27	10,291.19	6,253.57	114.41	113.82	-1.34	219.18	3,870.13	713.68	485.78	227.90	3.132		
10,410.00	6,283.10	10,321.19	6,253.31	115.25	114.65	-1.34	219.88	3,900.12	713.68	484.12	229.56	3.109		
10,440.00	6,282.94	10,351.19	6,253.05	116.08	115.49	-1.34	220.57	3,930.11	713.69	482.46	231.23	3.086		
10,470.00	6,282.77	10,381.19	6,252.78	116.91	116.32	-1.34	221.26	3,960.10	713.70	480.80	232.90	3.064		
10,500.00	6,282.61	10,411.19	6,252.52	117.75	117.16	-1.34	221.95	3,990.09	713.70	479.14	234.56	3.043		
10,530.00	6,282.44	10,441.19	6,252.26	118.58	117.99	-1.34	222.65	4,020.08	713.71	477.48	236.23	3.021		
10,560.00	6,282.27	10,471.19	6,252.00	119.42	118.83	-1.34	223.34	4,050.07	713.72	475.82	237.90	3.000		
10,590.00	6,282.11	10,501.19	6,251.74	120.25	119.66	-1.34	224.03	4,080.06	713.72	474.16	239.57	2.979		
10,620.00	6,281.94	10,531.19	6,251.48	121.08	120.50	-1.34	224.73	4,110.05	713.73	472.50	241.23	2.959		
10,650.00	6,281.78	10,561.19	6,251.21	121.92	121.33	-1.34	225.42	4,140.04	713.74	470.83	242.90	2.938		
10,680.00	6,281.61	10,591.19	6,250.95	122.75	122.17	-1.34	226.11	4,170.04	713.74	469.17	244.57	2.918		
10,710.00	6,281.44	10,621.19	6,250.69	123.59	123.00	-1.34	226.80	4,200.03	713.75	467.51	246.24	2.899		
10,740.00	6,281.28	10,651.19	6,250.43	124.42	123.84	-1.35	227.50	4,230.02	713.76	465.85	247.91	2.879		
10,770.00	6,281.11	10,681.19	6,250.17	125.26	124.67	-1.35	228.19	4,260.01	713.76	464.19	249.57	2.860		
10,800.00	6,280.95	10,711.19	6,249.90	126.09	125.51	-1.35	228.88	4,290.00	713.77	462.53	251.24	2.841		
10,830.00	6,280.78	10,741.19	6,249.64	126.93	126.34	-1.35	229.58	4,319.99	713.78	460.87	252.91	2.822		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
10,860.00	6,280.61	10,771.19	6,249.38	127.76	127.18	-1.35	230.27	4,349.98	713.78	459.21	254.58	2.804		
10,890.00	6,280.45	10,801.19	6,249.12	128.60	128.02	-1.35	230.96	4,379.97	713.79	457.54	256.25	2.786		
10,920.00	6,280.28	10,831.19	6,248.86	129.43	128.85	-1.35	231.65	4,409.96	713.80	455.88	257.92	2.768		
10,950.00	6,280.12	10,861.19	6,248.59	130.27	129.69	-1.35	232.35	4,439.95	713.81	454.22	259.59	2.750		
10,980.00	6,279.95	10,891.19	6,248.33	131.10	130.52	-1.35	233.04	4,469.94	713.81	452.56	261.25	2.732		
11,010.00	6,279.78	10,921.19	6,248.07	131.94	131.36	-1.35	233.73	4,499.93	713.82	450.89	262.92	2.715		
11,040.00	6,279.62	10,951.19	6,247.81	132.77	132.20	-1.35	234.43	4,529.92	713.83	449.23	264.59	2.698		
11,070.00	6,279.45	10,981.19	6,247.55	133.61	133.03	-1.35	235.12	4,559.91	713.83	447.57	266.26	2.681		
11,100.00	6,279.29	11,011.19	6,247.29	134.45	133.87	-1.35	235.81	4,589.91	713.84	445.91	267.93	2.664		
11,130.00	6,279.12	11,041.19	6,247.02	135.28	134.71	-1.35	236.50	4,619.90	713.85	444.24	269.60	2.648		
11,160.00	6,278.95	11,071.19	6,246.76	136.12	135.54	-1.35	237.20	4,649.89	713.85	442.58	271.27	2.632		
11,190.00	6,278.79	11,101.19	6,246.50	136.95	136.38	-1.35	237.89	4,679.88	713.86	440.92	272.94	2.615		
11,220.00	6,278.62	11,131.19	6,246.24	137.79	137.21	-1.35	238.58	4,709.87	713.87	439.26	274.61	2.600		
11,250.00	6,278.46	11,161.19	6,245.98	138.63	138.05	-1.35	239.28	4,739.86	713.88	437.59	276.28	2.584		
11,280.00	6,278.29	11,191.19	6,245.71	139.46	138.89	-1.35	239.97	4,769.85	713.88	435.93	277.95	2.568		
11,310.00	6,278.12	11,221.19	6,245.45	140.30	139.72	-1.35	240.66	4,799.84	713.89	434.27	279.62	2.553		
11,340.00	6,277.96	11,251.19	6,245.19	141.13	140.56	-1.35	241.35	4,829.83	713.90	432.60	281.29	2.538		
11,370.00	6,277.79	11,281.19	6,244.93	141.97	141.40	-1.35	242.05	4,859.82	713.90	430.94	282.96	2.523		
11,400.00	6,277.63	11,311.19	6,244.67	142.81	142.23	-1.35	242.74	4,889.81	713.91	429.28	284.63	2.508		
11,430.00	6,277.46	11,341.19	6,244.40	143.64	143.07	-1.35	243.43	4,919.80	713.92	427.61	286.30	2.494		
11,460.00	6,277.29	11,371.19	6,244.14	144.48	143.91	-1.35	244.13	4,949.79	713.93	425.95	287.98	2.479		
11,490.00	6,277.13	11,401.19	6,243.88	145.32	144.75	-1.35	244.82	4,979.78	713.93	424.29	289.65	2.465		
11,520.00	6,276.96	11,431.19	6,243.62	146.15	145.58	-1.35	245.51	5,009.78	713.94	422.62	291.32	2.451		
11,550.00	6,276.80	11,461.19	6,243.36	146.99	146.42	-1.35	246.20	5,039.77	713.95	420.96	292.99	2.437		
11,580.00	6,276.63	11,491.19	6,243.10	147.83	147.26	-1.35	246.90	5,069.76	713.95	419.29	294.66	2.423		
11,610.00	6,276.46	11,521.19	6,242.83	148.66	148.09	-1.35	247.59	5,099.75	713.96	417.63	296.33	2.409		
11,640.00	6,276.30	11,551.18	6,242.57	149.50	148.93	-1.35	248.28	5,129.74	713.97	415.97	298.00	2.396		
11,670.00	6,276.13	11,581.18	6,242.31	150.34	149.77	-1.35	248.98	5,159.73	713.98	414.30	299.67	2.383		
11,700.00	6,275.96	11,611.18	6,242.05	151.17	150.61	-1.35	249.67	5,189.72	713.98	412.64	301.34	2.369		
11,730.00	6,275.80	11,641.18	6,241.79	152.01	151.44	-1.35	250.36	5,219.71	713.99	410.97	303.02	2.356		
11,760.00	6,275.63	11,671.18	6,241.52	152.85	152.28	-1.35	251.05	5,249.70	714.00	409.31	304.69	2.343		
11,790.00	6,275.47	11,701.18	6,241.26	153.68	153.12	-1.35	251.75	5,279.69	714.00	407.65	306.36	2.331		
11,820.00	6,275.30	11,731.18	6,241.00	154.52	153.96	-1.35	252.44	5,309.68	714.01	405.98	308.03	2.318		
11,850.00	6,275.13	11,761.18	6,240.74	155.36	154.79	-1.35	253.13	5,339.67	714.02	404.32	309.70	2.306		
11,880.00	6,274.97	11,791.18	6,240.48	156.19	155.63	-1.35	253.83	5,369.66	714.03	402.65	311.37	2.293		
11,910.00	6,274.80	11,821.18	6,240.22	157.03	156.47	-1.35	254.52	5,399.65	714.03	400.99	313.04	2.281		
11,940.00	6,274.64	11,851.18	6,239.95	157.87	157.31	-1.35	255.21	5,429.64	714.04	399.33	314.72	2.269		
11,970.00	6,274.47	11,881.18	6,239.69	158.71	158.14	-1.35	255.90	5,459.64	714.05	397.66	316.39	2.257		
12,000.00	6,274.30	11,911.18	6,239.43	159.54	158.98	-1.35	256.60	5,489.63	714.06	396.00	318.06	2.245		
12,030.00	6,274.14	11,941.18	6,239.17	160.38	159.82	-1.35	257.29	5,519.62	714.06	394.33	319.73	2.233		
12,060.00	6,273.97	11,971.18	6,238.91	161.22	160.66	-1.35	257.98	5,549.61	714.07	392.67	321.40	2.222		
12,090.00	6,273.81	12,001.18	6,238.64	162.06	161.49	-1.35	258.68	5,579.60	714.08	391.00	323.08	2.210		
12,120.00	6,273.64	12,031.18	6,238.38	162.89	162.33	-1.35	259.37	5,609.59	714.09	389.34	324.75	2.199		
12,150.00	6,273.47	12,061.18	6,238.12	163.73	163.17	-1.35	260.06	5,639.58	714.09	387.67	326.42	2.188		
12,180.00	6,273.31	12,091.18	6,237.86	164.57	164.01	-1.35	260.75	5,669.57	714.10	386.01	328.09	2.177		
12,210.00	6,273.14	12,121.18	6,237.60	165.41	164.85	-1.35	261.45	5,699.56	714.11	384.34	329.76	2.166		
12,240.00	6,272.98	12,151.18	6,237.33	166.24	165.68	-1.35	262.14	5,729.55	714.12	382.68	331.44	2.155		
12,270.00	6,272.81	12,181.18	6,237.07	167.08	166.52	-1.35	262.83	5,759.54	714.12	381.01	333.11	2.144		
12,300.00	6,272.64	12,211.18	6,236.81	167.92	167.36	-1.35	263.53	5,789.53	714.13	379.35	334.78	2.133		
12,330.00	6,272.48	12,241.18	6,236.55	168.76	168.20	-1.35	264.22	5,819.52	714.14	377.68	336.45	2.123		
12,360.00	6,272.31	12,271.18	6,236.29	169.60	169.04	-1.35	264.91	5,849.51	714.15	376.02	338.13	2.112		
12,390.00	6,272.15	12,301.18	6,236.03	170.43	169.88	-1.35	265.60	5,879.51	714.15	374.35	339.80	2.102		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
12,420.00	6,271.98	12,331.18	6,235.76	171.27	170.71	-1.35	266.30	5,909.50	714.16	372.69	341.47	2.091		
12,450.00	6,271.81	12,361.18	6,235.50	172.11	171.55	-1.35	266.99	5,939.49	714.17	371.02	343.14	2.081		
12,480.00	6,271.65	12,391.18	6,235.24	172.95	172.39	-1.35	267.68	5,969.48	714.18	369.36	344.82	2.071		
12,510.00	6,271.48	12,421.18	6,234.98	173.78	173.23	-1.35	268.37	5,999.47	714.18	367.69	346.49	2.061		
12,540.00	6,271.32	12,451.18	6,234.72	174.62	174.07	-1.35	269.07	6,029.46	714.19	366.03	348.16	2.051		
12,570.00	6,271.15	12,481.18	6,234.45	175.46	174.90	-1.35	269.76	6,059.45	714.20	364.36	349.83	2.042		
12,600.00	6,270.98	12,511.18	6,234.19	176.30	175.74	-1.35	270.45	6,089.44	714.21	362.70	351.51	2.032		
12,630.00	6,270.82	12,541.18	6,233.93	177.14	176.58	-1.35	271.15	6,119.43	714.21	361.03	353.18	2.022		
12,660.00	6,270.65	12,571.18	6,233.67	177.98	177.42	-1.35	271.84	6,149.42	714.22	359.37	354.85	2.013		
12,690.00	6,270.49	12,601.18	6,233.41	178.81	178.26	-1.35	272.53	6,179.41	714.23	357.70	356.53	2.003		
12,720.00	6,270.32	12,631.18	6,233.15	179.65	179.10	-1.35	273.22	6,209.40	714.24	356.04	358.20	1.994		
12,750.00	6,270.15	12,661.18	6,232.88	180.49	179.94	-1.35	273.92	6,239.39	714.25	354.37	359.87	1.985		
12,780.00	6,269.99	12,691.18	6,232.62	181.33	180.77	-1.35	274.61	6,269.38	714.25	352.71	361.54	1.976		
12,810.00	6,269.82	12,721.18	6,232.36	182.17	181.61	-1.35	275.30	6,299.38	714.26	351.04	363.22	1.966		
12,840.00	6,269.66	12,751.18	6,232.10	183.00	182.45	-1.35	276.00	6,329.37	714.27	349.38	364.89	1.957		
12,870.00	6,269.49	12,781.18	6,231.84	183.84	183.29	-1.35	276.69	6,359.36	714.28	347.71	366.56	1.949		
12,900.00	6,269.32	12,811.18	6,231.57	184.68	184.13	-1.35	277.38	6,389.35	714.28	346.05	368.24	1.940		
12,930.00	6,269.16	12,841.18	6,231.31	185.52	184.97	-1.35	278.07	6,419.34	714.29	344.38	369.91	1.931		
12,960.00	6,268.99	12,871.18	6,231.05	186.36	185.81	-1.35	278.77	6,449.33	714.30	342.72	371.58	1.922		
12,990.00	6,268.83	12,901.18	6,230.79	187.20	186.64	-1.35	279.46	6,479.32	714.31	341.05	373.25	1.914		
13,020.00	6,268.66	12,931.18	6,230.53	188.04	187.48	-1.35	280.15	6,509.31	714.32	339.39	374.93	1.905		
13,050.00	6,268.49	12,961.18	6,230.26	188.87	188.32	-1.35	280.85	6,539.30	714.32	337.72	376.60	1.897		
13,080.00	6,268.33	12,991.18	6,230.00	189.71	189.16	-1.35	281.54	6,569.29	714.33	336.06	378.27	1.888		
13,110.00	6,268.16	13,021.18	6,229.74	190.55	190.00	-1.35	282.23	6,599.28	714.34	334.39	379.95	1.880		
13,140.00	6,267.99	13,051.18	6,229.48	191.39	190.84	-1.35	282.92	6,629.27	714.35	332.73	381.62	1.872		
13,170.00	6,267.83	13,081.18	6,229.22	192.23	191.68	-1.35	283.62	6,659.26	714.35	331.06	383.29	1.864		
13,200.00	6,267.66	13,111.18	6,228.96	193.07	192.52	-1.35	284.31	6,689.25	714.36	329.40	384.97	1.856		
13,230.00	6,267.50	13,141.18	6,228.69	193.91	193.36	-1.35	285.00	6,719.25	714.37	327.73	386.64	1.848		
13,260.00	6,267.33	13,171.18	6,228.43	194.74	194.19	-1.35	285.70	6,749.24	714.38	326.07	388.31	1.840		
13,290.00	6,267.16	13,201.18	6,228.17	195.58	195.03	-1.35	286.39	6,779.23	714.39	324.40	389.99	1.832		
13,320.00	6,267.00	13,231.18	6,227.91	196.42	195.87	-1.35	287.08	6,809.22	714.39	322.74	391.66	1.824		
13,350.00	6,266.83	13,261.18	6,227.65	197.26	196.71	-1.35	287.77	6,839.21	714.40	321.07	393.33	1.816		
13,380.00	6,266.67	13,291.18	6,227.38	198.10	197.55	-1.35	288.47	6,869.20	714.41	319.41	395.00	1.809		
13,410.00	6,266.50	13,321.18	6,227.12	198.94	198.39	-1.35	289.16	6,899.19	714.42	317.74	396.68	1.801		
13,440.00	6,266.33	13,351.18	6,226.86	199.78	199.23	-1.35	289.85	6,929.18	714.43	316.07	398.35	1.793		
13,470.00	6,266.17	13,381.18	6,226.60	200.62	200.07	-1.35	290.55	6,959.17	714.43	314.41	400.02	1.786		
13,500.00	6,266.00	13,411.18	6,226.34	201.45	200.91	-1.35	291.24	6,989.16	714.44	312.74	401.70	1.779		
13,530.00	6,265.84	13,441.18	6,226.07	202.29	201.75	-1.35	291.93	7,019.15	714.45	311.08	403.37	1.771		
13,560.00	6,265.67	13,471.18	6,225.81	203.13	202.59	-1.35	292.62	7,049.14	714.46	309.41	405.04	1.764		
13,590.00	6,265.50	13,501.17	6,225.55	203.97	203.42	-1.35	293.32	7,079.13	714.47	307.75	406.72	1.757		
13,620.00	6,265.34	13,531.17	6,225.29	204.81	204.26	-1.35	294.01	7,109.12	714.47	306.08	408.39	1.749		
13,650.00	6,265.17	13,561.17	6,225.03	205.65	205.10	-1.35	294.70	7,139.12	714.48	304.42	410.06	1.742		
13,680.00	6,265.01	13,591.17	6,224.77	206.49	205.94	-1.35	295.40	7,169.11	714.49	302.75	411.74	1.735		
13,710.00	6,264.84	13,621.17	6,224.50	207.33	206.78	-1.35	296.09	7,199.10	714.50	301.09	413.41	1.728		
13,740.00	6,264.67	13,651.17	6,224.24	208.17	207.62	-1.35	296.78	7,229.09	714.51	299.42	415.08	1.721		
13,770.00	6,264.51	13,681.17	6,223.98	209.00	208.46	-1.35	297.47	7,259.08	714.52	297.76	416.76	1.714		
13,800.00	6,264.34	13,711.17	6,223.72	209.84	209.30	-1.35	298.17	7,289.07	714.52	296.09	418.43	1.708		
13,830.00	6,264.18	13,741.17	6,223.46	210.68	210.14	-1.35	298.86	7,319.06	714.53	294.43	420.10	1.701		
13,860.00	6,264.01	13,771.17	6,223.19	211.52	210.98	-1.35	299.55	7,349.05	714.54	292.76	421.78	1.694		
13,890.00	6,263.84	13,801.17	6,222.93	212.36	211.82	-1.35	300.25	7,379.04	714.55	291.10	423.45	1.687		
13,920.00	6,263.68	13,831.17	6,222.67	213.20	212.66	-1.35	300.94	7,409.03	714.56	289.43	425.12	1.681		
13,950.00	6,263.51	13,861.17	6,222.41	214.04	213.50	-1.35	301.63	7,439.02	714.56	287.77	426.80	1.674		

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 5-62-35-1724CH2
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 5-62-35-1724CH2	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		
13,980.00	6,263.35	13,891.17	6,222.15	214.88	214.33	-1.35	302.32	7,469.01	714.57	286.10	428.47	1.668		
14,010.00	6,263.18	13,921.17	6,221.89	215.72	215.17	-1.35	303.02	7,499.00	714.58	284.44	430.14	1.661		
14,040.00	6,263.01	13,951.17	6,221.62	216.56	216.01	-1.35	303.71	7,528.99	714.59	282.77	431.82	1.655		
14,070.00	6,262.85	13,981.17	6,221.36	217.40	216.85	-1.35	304.40	7,558.98	714.60	281.11	433.49	1.648		
14,100.00	6,262.68	14,011.17	6,221.10	218.24	217.69	-1.35	305.10	7,588.98	714.61	279.44	435.16	1.642		
14,130.00	6,262.52	14,041.17	6,220.84	219.07	218.53	-1.35	305.79	7,618.97	714.61	277.78	436.84	1.636		
14,160.00	6,262.35	14,071.17	6,220.58	219.91	219.37	-1.35	306.48	7,648.96	714.62	276.11	438.51	1.630		
14,190.00	6,262.18	14,101.17	6,220.31	220.75	220.21	-1.35	307.17	7,678.95	714.63	274.45	440.18	1.623		
14,220.00	6,262.02	14,131.17	6,220.05	221.59	221.05	-1.35	307.87	7,708.94	714.64	272.78	441.86	1.617		
14,250.00	6,261.85	14,161.17	6,219.79	222.43	221.89	-1.35	308.56	7,738.93	714.65	271.12	443.53	1.611		
14,280.00	6,261.69	14,191.17	6,219.53	223.27	222.73	-1.35	309.25	7,768.92	714.66	269.45	445.20	1.605		
14,310.00	6,261.52	14,221.17	6,219.27	224.11	223.57	-1.35	309.95	7,798.91	714.66	267.79	446.88	1.599		
14,340.00	6,261.35	14,251.17	6,219.00	224.95	224.41	-1.35	310.64	7,828.90	714.67	266.12	448.55	1.593		
14,370.00	6,261.19	14,281.17	6,218.74	225.79	225.25	-1.35	311.33	7,858.89	714.68	264.46	450.22	1.587		
14,400.00	6,261.02	14,311.17	6,218.48	226.63	226.09	-1.35	312.02	7,888.88	714.69	262.79	451.90	1.582		
14,430.00	6,260.85	14,341.17	6,218.22	227.47	226.93	-1.35	312.72	7,918.87	714.70	261.13	453.57	1.576		
14,460.00	6,260.69	14,371.17	6,217.96	228.31	227.77	-1.35	313.41	7,948.86	714.71	259.46	455.24	1.570		
14,490.00	6,260.52	14,401.17	6,217.70	229.15	228.61	-1.35	314.10	7,978.85	714.71	257.80	456.92	1.564		
14,520.00	6,260.36	14,431.17	6,217.43	229.99	229.45	-1.35	314.79	8,008.85	714.72	256.13	458.59	1.559		
14,550.00	6,260.19	14,461.17	6,217.17	230.83	230.29	-1.35	315.49	8,038.84	714.73	254.47	460.26	1.553		
14,580.00	6,260.02	14,491.17	6,216.91	231.67	231.13	-1.35	316.18	8,068.83	714.74	252.80	461.94	1.547		
14,610.00	6,259.86	14,521.17	6,216.65	232.50	231.97	-1.35	316.87	8,098.82	714.75	251.14	463.61	1.542		
14,640.00	6,259.69	14,551.17	6,216.39	233.34	232.80	-1.35	317.57	8,128.81	714.76	249.47	465.28	1.536		
14,670.00	6,259.53	14,581.17	6,216.12	234.18	233.64	-1.35	318.26	8,158.80	714.77	247.81	466.96	1.531		
14,700.00	6,259.36	14,611.17	6,215.86	235.02	234.48	-1.35	318.95	8,188.79	714.77	246.14	468.63	1.525		
14,730.00	6,259.19	14,641.17	6,215.60	235.86	235.32	-1.35	319.64	8,218.78	714.78	244.48	470.30	1.520		
14,760.00	6,259.03	14,671.17	6,215.34	236.70	236.16	-1.35	320.34	8,248.77	714.79	242.81	471.98	1.514		
14,790.00	6,258.86	14,701.17	6,215.08	237.54	237.00	-1.35	321.03	8,278.76	714.80	241.15	473.65	1.509		
14,820.00	6,258.70	14,731.17	6,214.82	238.38	237.84	-1.35	321.72	8,308.75	714.81	239.49	475.32	1.504		
14,850.00	6,258.53	14,761.17	6,214.55	239.22	238.68	-1.35	322.42	8,338.74	714.82	237.82	477.00	1.499 Level 3		
14,880.00	6,258.36	14,791.17	6,214.29	240.06	239.52	-1.35	323.11	8,368.73	714.83	236.16	478.67	1.493 Level 3		
14,910.00	6,258.20	14,821.17	6,214.03	240.90	240.36	-1.35	323.80	8,398.72	714.83	234.49	480.34	1.488 Level 3		
14,940.00	6,258.03	14,851.17	6,213.77	241.74	241.20	-1.35	324.49	8,428.72	714.84	232.83	482.02	1.483 Level 3		
14,970.00	6,257.87	14,881.17	6,213.51	242.58	242.04	-1.35	325.19	8,458.71	714.85	231.16	483.69	1.478 Level 3		
15,000.00	6,257.70	14,911.17	6,213.24	243.42	242.88	-1.35	325.88	8,488.70	714.86	229.50	485.36	1.473 Level 3		
15,030.00	6,257.53	14,941.17	6,212.98	244.26	243.72	-1.35	326.57	8,518.69	714.87	227.83	487.03	1.468 Level 3		
15,060.00	6,257.37	14,971.17	6,212.72	245.10	244.56	-1.35	327.27	8,548.68	714.88	226.17	488.71	1.463 Level 3		
15,090.00	6,257.20	15,001.17	6,212.46	245.94	245.40	-1.35	327.96	8,578.67	714.89	224.51	490.38	1.458 Level 3		
15,120.00	6,257.04	15,031.17	6,212.20	246.78	246.24	-1.35	328.65	8,608.66	714.90	222.84	492.05	1.453 Level 3		
15,150.00	6,256.87	15,061.17	6,211.93	247.62	247.08	-1.35	329.34	8,638.65	714.90	221.18	493.73	1.448 Level 3		
15,180.00	6,256.70	15,091.17	6,211.67	248.46	247.92	-1.35	330.04	8,668.64	714.91	219.51	495.40	1.443 Level 3		
15,210.00	6,256.54	15,121.17	6,211.41	249.30	248.76	-1.36	330.73	8,698.63	714.92	217.85	497.07	1.438 Level 3		
15,240.00	6,256.37	15,151.17	6,211.15	250.14	249.60	-1.36	331.42	8,728.62	714.93	216.18	498.75	1.433 Level 3		
15,270.00	6,256.21	15,181.17	6,210.89	250.98	250.44	-1.36	332.12	8,758.61	714.94	214.52	500.42	1.429 Level 3		
15,300.00	6,256.04	15,211.17	6,210.63	251.82	251.28	-1.36	332.81	8,788.60	714.95	212.86	502.09	1.424 Level 3		
15,330.00	6,255.87	15,241.17	6,210.36	252.66	252.12	-1.36	333.50	8,818.59	714.96	211.19	503.77	1.419 Level 3		
15,360.00	6,255.71	15,271.17	6,210.10	253.50	252.96	-1.36	334.19	8,848.59	714.97	209.53	505.44	1.415 Level 3		
15,390.00	6,255.54	15,301.17	6,209.84	254.34	253.80	-1.36	334.89	8,878.58	714.97	207.86	507.11	1.410 Level 3		
15,420.00	6,255.38	15,331.17	6,209.58	255.18	254.64	-1.36	335.58	8,908.57	714.98	206.20	508.78	1.405 Level 3		
15,450.00	6,255.21	15,361.17	6,209.32	256.02	255.48	-1.36	336.27	8,938.56	714.99	204.53	510.46	1.401 Level 3		
15,480.00	6,255.04	15,391.17	6,209.05	256.86	256.32	-1.36	336.97	8,968.55	715.00	202.87	512.13	1.396 Level 3		
15,510.00	6,254.88	15,421.17	6,208.79	257.70	257.16	-1.36	337.66	8,998.54	715.01	201.21	513.80	1.392 Level 3		

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

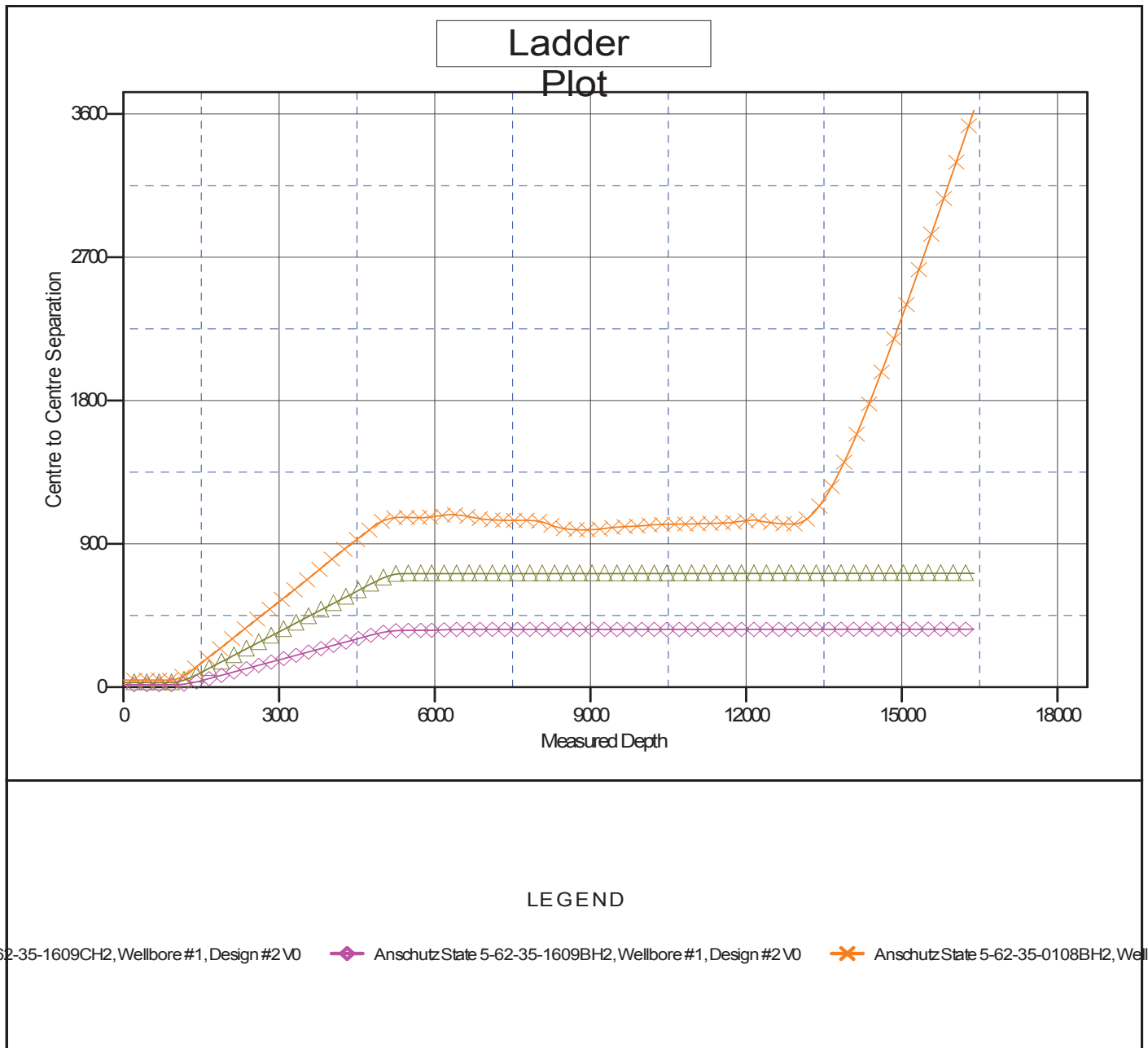
Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
Project:	Weld Co., CO	TVD Reference:	WELL @ 4663.00usft (Original Well Elev)
Reference Site:	Sec.35-T5N-R62W	MD Reference:	WELL @ 4663.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Anschutz State 5-62-35-1724CH2	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		
15,540.00	6,254.71	15,451.17	6,208.53	258.53	258.00	-1.36	338.35	9,028.53	715.02	199.54	515.48	1.387	Level 3	
15,570.00	6,254.55	15,481.16	6,208.27	259.37	258.84	-1.36	339.04	9,058.52	715.03	197.88	517.15	1.383	Level 3	
15,600.00	6,254.38	15,511.16	6,208.01	260.21	259.68	-1.36	339.74	9,088.51	715.04	196.22	518.82	1.378	Level 3	
15,630.00	6,254.21	15,541.16	6,207.74	261.05	260.52	-1.36	340.43	9,118.50	715.05	194.55	520.49	1.374	Level 3	
15,660.00	6,254.05	15,571.16	6,207.48	261.89	261.36	-1.36	341.12	9,148.49	715.05	192.89	522.17	1.369	Level 3	
15,690.00	6,253.88	15,601.16	6,207.22	262.73	262.20	-1.36	341.82	9,178.48	715.06	191.22	523.84	1.365	Level 3	
15,720.00	6,253.72	15,631.16	6,206.96	263.57	263.04	-1.36	342.51	9,208.47	715.07	189.56	525.51	1.361	Level 3	
15,750.00	6,253.55	15,661.16	6,206.70	264.41	263.88	-1.36	343.20	9,238.46	715.08	187.90	527.19	1.356	Level 3	
15,780.00	6,253.38	15,691.16	6,206.44	265.25	264.72	-1.36	343.89	9,268.45	715.09	186.23	528.86	1.352	Level 3	
15,810.00	6,253.22	15,721.16	6,206.17	266.09	265.56	-1.36	344.59	9,298.45	715.10	184.57	530.53	1.348	Level 3	
15,840.00	6,253.05	15,751.16	6,205.91	266.93	266.40	-1.36	345.28	9,328.44	715.11	182.90	532.20	1.344	Level 3	
15,870.00	6,252.88	15,781.16	6,205.65	267.77	267.24	-1.36	345.97	9,358.43	715.12	181.24	533.88	1.339	Level 3	
15,900.00	6,252.72	15,811.16	6,205.39	268.61	268.08	-1.36	346.67	9,388.42	715.13	179.58	535.55	1.335	Level 3	
15,930.00	6,252.55	15,841.16	6,205.13	269.45	268.92	-1.36	347.36	9,418.41	715.14	177.91	537.22	1.331	Level 3	
15,960.00	6,252.39	15,871.16	6,204.86	270.29	269.76	-1.36	348.05	9,448.40	715.14	176.25	538.89	1.327	Level 3	
15,990.00	6,252.22	15,901.16	6,204.60	271.13	270.60	-1.36	348.74	9,478.39	715.15	174.59	540.57	1.323	Level 3	
16,020.00	6,252.05	15,931.16	6,204.34	271.97	271.44	-1.36	349.44	9,508.38	715.16	172.92	542.24	1.319	Level 3	
16,050.00	6,251.89	15,961.16	6,204.08	272.81	272.28	-1.36	350.13	9,538.37	715.17	171.26	543.91	1.315	Level 3	
16,080.00	6,251.72	15,991.16	6,203.82	273.65	273.12	-1.36	350.82	9,568.36	715.18	169.60	545.58	1.311	Level 3	
16,110.00	6,251.56	16,021.16	6,203.56	274.49	273.96	-1.36	351.52	9,598.35	715.19	167.93	547.26	1.307	Level 3	
16,140.00	6,251.39	16,051.16	6,203.29	275.33	274.80	-1.36	352.21	9,628.34	715.20	166.27	548.93	1.303	Level 3	
16,170.00	6,251.22	16,081.16	6,203.03	276.17	275.64	-1.36	352.90	9,658.33	715.21	164.61	550.60	1.299	Level 3	
16,200.00	6,251.06	16,111.16	6,202.77	277.01	276.48	-1.36	353.59	9,688.32	715.22	162.94	552.27	1.295	Level 3	
16,230.00	6,250.89	16,141.16	6,202.51	277.85	277.32	-1.36	354.29	9,718.32	715.23	161.28	553.95	1.291	Level 3	
16,260.00	6,250.73	16,171.16	6,202.25	278.69	278.16	-1.36	354.98	9,748.31	715.24	159.62	555.62	1.287	Level 3	
16,290.00	6,250.56	16,201.16	6,201.98	279.53	279.00	-1.36	355.67	9,778.30	715.25	157.95	557.29	1.283	Level 3	
16,320.00	6,250.39	16,231.16	6,201.72	280.37	279.84	-1.36	356.37	9,808.29	715.25	156.29	558.96	1.280	Level 3	
16,350.00	6,250.23	16,261.16	6,201.46	281.21	280.68	-1.36	357.06	9,838.28	715.26	154.63	560.64	1.276	Level 3	
16,380.00	6,250.06	16,291.16	6,201.20	282.05	281.52	-1.36	357.75	9,868.27	715.27	152.96	562.31	1.272	Level 3	
16,391.68	6,250.00	16,302.84	6,201.10	282.38	281.85	-1.36	358.02	9,879.95	715.28	152.32	562.96	1.271	Level 3, SF	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 5-62-35-1724CH2
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 5-62-35-1724CH2	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 5-62-35-1724CH2
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 5-62-35-1724CH2
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 5-62-35-1724CH2	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 5-62-35-1724CH2
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.78°

