





Bill Barrett Corporation

Bill Barrett Corp.

Weld County, CO NAD 83
Anschutz State 5-62-22 NWSW Pad
Anschutz State 05-62-22-4841C2

OH

Design: OH

Standard Survey Report

02 September, 2015



Scientific Drilling

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Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 05-62-22-4841C2
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4690' & KB 16' @ 4706.00ft (Cade 24)
Site:	Anschutz State 5-62-22 NWSW Pad	MD Reference:	GL 4690' & KB 16' @ 4706.00ft (Cade 24)
Well:	Anschutz State 05-62-22-4841C2	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

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

Site	Anschutz State 5-62-22 NWSW Pad				
Site Position:		Northing:	1,384,806.64 usft	Latitude:	40° 23' 1.241 N
From:	Lat/Long	Easting:	3,329,099.95 usft	Longitude:	104° 19' 6.982 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.76 °

Well	Anschutz State 05-62-22-4841C2, 2090' FSL 250' FWL Sec 22 T5N R62W					
Well Position	+N/-S	0.00 ft	Northing:	1,384,835.73 usft	Latitude:	40° 23' 1.528 N
	+E/-W	0.00 ft	Easting:	3,329,100.40 usft	Longitude:	104° 19' 6.971 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,690.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	8/3/2015	8.19	66.95	52,602

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	88.91	

Survey Program	Date	9/2/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	694.00	Survey #1 - Surface Gyro (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
976.00	6,640.00	Survey #2 - Vertical / Curve (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
6,640.00	16,460.00	Survey #3 - Lateral (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
694.00	0.16	241.85	693.99	-1.55	-2.72	-2.75	0.28	-0.27	-15.93
Last Gyro Survey									
976.00	0.50	320.33	975.99	-0.79	-3.85	-3.87	0.18	0.12	27.83
First SDI MWD Survey									
1,105.00	1.31	255.35	1,104.97	-0.73	-5.64	-5.65	0.92	0.63	-50.37
1,251.00	3.04	236.58	1,250.86	-3.28	-10.49	-10.55	1.27	1.18	-12.86
1,343.00	3.82	234.58	1,342.70	-6.40	-15.02	-15.14	0.86	0.85	-2.17
1,435.00	3.94	230.16	1,434.49	-10.21	-19.95	-20.14	0.35	0.13	-4.80

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,526.00	3.84	224.27	1,525.28	-14.39	-24.47	-24.74	0.45	-0.11	-6.47
1,618.00	4.47	233.35	1,617.04	-18.74	-29.50	-29.85	0.99	0.68	9.87
1,709.00	4.62	234.16	1,707.75	-23.00	-35.32	-35.75	0.18	0.16	0.89
1,801.00	4.52	253.59	1,799.46	-26.19	-41.80	-42.29	1.68	-0.11	21.12
1,893.00	4.19	253.65	1,891.20	-28.16	-48.50	-49.03	0.36	-0.36	0.07
1,984.00	3.52	241.31	1,981.99	-30.44	-54.14	-54.71	1.17	-0.74	-13.56
2,075.00	3.46	238.67	2,072.82	-33.21	-58.94	-59.56	0.19	-0.07	-2.90
2,167.00	3.07	238.26	2,164.67	-35.95	-63.40	-64.08	0.42	-0.42	-0.45
2,259.00	3.00	249.15	2,256.55	-38.10	-67.75	-68.46	0.63	-0.08	11.84
2,351.00	3.86	249.74	2,348.38	-40.03	-72.90	-73.65	0.94	0.93	0.64
2,445.00	3.19	247.47	2,442.20	-42.13	-78.29	-79.07	0.73	-0.71	-2.41
2,540.00	4.31	253.21	2,537.00	-44.17	-84.15	-84.97	1.24	1.18	6.04
2,634.00	3.93	254.85	2,630.75	-46.04	-90.64	-91.50	0.42	-0.40	1.74
2,729.00	4.00	248.15	2,725.53	-48.12	-96.86	-97.75	0.49	0.07	-7.05
2,824.00	3.86	242.80	2,820.30	-50.81	-102.77	-103.72	0.41	-0.15	-5.63
2,919.00	3.52	241.07	2,915.11	-53.69	-108.17	-109.17	0.38	-0.36	-1.82
3,013.00	2.93	239.28	3,008.96	-56.31	-112.76	-113.81	0.64	-0.63	-1.90
3,107.00	3.98	243.14	3,102.79	-59.01	-117.74	-118.84	1.14	1.12	4.11
3,203.00	3.14	245.63	3,198.60	-61.60	-123.10	-124.25	0.89	-0.88	2.59
3,297.00	3.58	256.19	3,292.44	-63.36	-128.30	-129.48	0.81	0.47	11.23
3,392.00	4.67	247.14	3,387.19	-65.57	-134.74	-135.97	1.33	1.15	-9.53
3,486.00	5.13	247.26	3,480.85	-68.69	-142.15	-143.43	0.49	0.49	0.13
3,581.00	5.20	244.69	3,575.46	-72.17	-149.95	-151.30	0.25	0.07	-2.71
3,675.00	6.05	240.93	3,669.01	-76.40	-158.14	-159.56	0.99	0.90	-4.00
3,769.00	5.39	238.16	3,762.54	-81.13	-166.22	-167.73	0.76	-0.70	-2.95
3,864.00	5.22	239.69	3,857.14	-85.67	-173.74	-175.34	0.23	-0.18	1.61
3,958.00	4.65	238.00	3,950.79	-89.84	-180.66	-182.34	0.63	-0.61	-1.80
4,053.00	4.57	248.88	4,045.48	-93.25	-187.46	-189.20	0.92	-0.08	11.45
4,147.00	4.17	255.66	4,139.21	-95.44	-194.26	-196.04	0.69	-0.43	7.21
4,242.00	4.41	268.44	4,233.94	-96.40	-201.26	-203.06	1.04	0.25	13.45
4,337.00	4.17	255.91	4,328.68	-97.34	-208.26	-210.07	1.02	-0.25	-13.19
4,431.00	3.08	255.34	4,422.49	-98.81	-214.02	-215.86	1.16	-1.16	-0.61
4,526.00	2.62	243.74	4,517.37	-100.42	-218.43	-220.30	0.77	-0.48	-12.21
4,621.00	2.32	232.31	4,612.29	-102.55	-221.90	-223.81	0.61	-0.32	-12.03
4,715.00	2.23	241.20	4,706.21	-104.60	-225.01	-226.96	0.39	-0.10	9.46
4,810.00	1.86	216.39	4,801.15	-106.73	-227.55	-229.53	1.00	-0.39	-26.12
4,904.00	1.63	208.77	4,895.11	-109.13	-229.09	-231.13	0.35	-0.24	-8.11
4,999.00	1.41	195.46	4,990.08	-111.44	-230.06	-232.13	0.44	-0.23	-14.01
5,093.00	1.74	172.41	5,084.04	-113.97	-230.18	-232.30	0.75	0.35	-24.52
5,187.00	0.14	311.84	5,178.03	-115.31	-230.07	-232.22	1.97	-1.70	148.33
5,282.00	0.48	352.78	5,273.03	-114.84	-230.21	-232.35	0.41	0.36	43.09
5,378.00	0.46	26.66	5,369.02	-114.09	-230.09	-232.22	0.29	-0.02	35.29
5,472.00	0.59	113.58	5,463.02	-113.95	-229.47	-231.60	0.77	0.14	92.47

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Survey									
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5,567.00	0.82	126.00	5,558.01	-114.54	-228.48	-230.61	0.29	0.24	13.07
5,661.00	0.87	133.01	5,652.00	-115.43	-227.41	-229.56	0.12	0.05	7.46
5,756.00	1.05	132.11	5,746.99	-116.50	-226.24	-228.41	0.19	0.19	-0.95
5,851.00	1.19	116.43	5,841.97	-117.52	-224.71	-226.90	0.35	0.15	-16.51
5,945.00	2.63	65.45	5,935.92	-117.06	-221.87	-224.06	2.23	1.53	-54.23
6,039.00	12.65	77.73	6,028.97	-113.97	-209.82	-211.95	10.74	10.66	13.06
6,133.00	20.62	79.72	6,118.97	-108.82	-183.43	-185.47	8.50	8.48	2.12
6,228.00	29.66	88.39	6,204.91	-105.17	-143.38	-145.36	10.25	9.52	9.13
6,322.00	38.42	90.74	6,282.73	-104.89	-90.82	-92.80	9.42	9.32	2.50
6,417.00	51.81	85.16	6,349.64	-102.11	-23.78	-25.72	14.69	14.09	-5.87
6,512.00	68.98	85.09	6,396.40	-95.11	58.21	56.39	18.07	18.07	-0.07
6,607.00	85.09	92.71	6,417.67	-93.54	150.40	148.59	18.66	16.96	8.02
6,640.00	86.33	93.19	6,420.14	-95.23	183.26	181.42	4.03	3.76	1.45
Last SDI Curve Survey									
6,794.00	91.21	93.98	6,423.45	-104.86	336.88	334.82	3.21	3.17	0.51
First SDI MWD Lateral Survey									
6,888.00	90.97	91.69	6,421.66	-109.51	430.74	428.58	2.45	-0.26	-2.44
6,983.00	91.38	89.24	6,419.71	-110.28	525.71	523.52	2.61	0.43	-2.58
7,077.00	92.22	88.47	6,416.76	-108.40	619.64	617.47	1.21	0.89	-0.82
7,172.00	92.35	88.00	6,412.97	-105.48	714.52	712.39	0.51	0.14	-0.49
7,266.00	92.42	88.32	6,409.06	-102.46	808.39	806.30	0.35	0.07	0.34
7,360.00	91.75	88.34	6,405.64	-99.72	902.29	900.23	0.71	-0.71	0.02
7,455.00	91.44	88.20	6,402.99	-96.86	997.21	995.19	0.36	-0.33	-0.15
7,550.00	91.48	88.23	6,400.57	-93.90	1,092.13	1,090.15	0.05	0.04	0.03
7,644.00	88.76	87.27	6,400.37	-90.21	1,186.05	1,184.12	3.07	-2.89	-1.02
7,738.00	90.20	87.31	6,401.23	-85.76	1,279.94	1,278.07	1.53	1.53	0.04
7,832.00	90.30	88.62	6,400.82	-82.43	1,373.88	1,372.06	1.40	0.11	1.39
7,926.00	90.20	90.24	6,400.41	-81.49	1,467.87	1,466.05	1.73	-0.11	1.72
8,021.00	91.55	90.36	6,398.96	-81.99	1,562.85	1,561.01	1.43	1.42	0.13
8,115.00	93.02	90.43	6,395.21	-82.64	1,656.77	1,654.90	1.57	1.56	0.07
8,210.00	92.52	89.74	6,390.62	-82.78	1,751.66	1,749.77	0.90	-0.53	-0.73
8,305.00	89.40	89.52	6,389.03	-82.16	1,846.63	1,844.74	3.29	-3.28	-0.23
8,400.00	89.76	88.81	6,389.72	-80.78	1,941.62	1,939.73	0.84	0.38	-0.75
8,495.00	89.43	89.27	6,390.39	-79.19	2,036.60	2,034.73	0.60	-0.35	0.48
8,589.00	89.23	88.86	6,391.49	-77.65	2,130.58	2,128.72	0.49	-0.21	-0.44
8,683.00	89.50	88.42	6,392.54	-75.42	2,224.55	2,222.72	0.55	0.29	-0.47
8,778.00	89.73	87.56	6,393.17	-72.09	2,319.49	2,317.70	0.94	0.24	-0.91
8,872.00	91.41	88.12	6,392.24	-68.55	2,413.42	2,411.67	1.88	1.79	0.60
8,967.00	89.06	86.82	6,391.85	-64.36	2,508.31	2,506.64	2.83	-2.47	-1.37
9,060.00	89.73	86.80	6,392.83	-59.18	2,601.16	2,599.57	0.72	0.72	-0.02
9,155.00	90.27	86.58	6,392.83	-53.70	2,696.00	2,694.50	0.61	0.57	-0.23
9,250.00	91.01	86.07	6,391.77	-47.61	2,790.80	2,789.39	0.95	0.78	-0.54
9,344.00	91.21	88.33	6,389.95	-43.02	2,884.67	2,883.33	2.41	0.21	2.40
9,438.00	89.97	88.86	6,388.98	-40.71	2,978.63	2,977.32	1.43	-1.32	0.56

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9,533.00	90.13	88.58	6,388.90	-38.59	3,073.61	3,072.32	0.34	0.17	-0.29
9,627.00	91.55	88.78	6,387.52	-36.42	3,167.57	3,166.30	1.53	1.51	0.21
9,721.00	89.56	89.43	6,386.61	-34.96	3,261.55	3,260.29	2.23	-2.12	0.69
9,816.00	89.66	89.18	6,387.26	-33.80	3,356.54	3,355.29	0.28	0.11	-0.26
9,911.00	90.03	88.91	6,387.51	-32.22	3,451.53	3,450.29	0.48	0.39	-0.28
10,005.00	90.10	88.53	6,387.41	-30.12	3,545.50	3,544.29	0.41	0.07	-0.40
10,100.00	90.94	88.71	6,386.54	-27.83	3,640.47	3,639.28	0.90	0.88	0.19
10,195.00	90.94	88.19	6,384.99	-25.26	3,735.42	3,734.27	0.55	0.00	-0.55
10,290.00	91.54	88.15	6,382.93	-22.23	3,830.35	3,829.23	0.63	0.63	-0.04
10,384.00	91.44	88.83	6,380.49	-19.75	3,924.29	3,923.20	0.73	-0.11	0.72
10,474.00	91.71	89.06	6,378.01	-18.10	4,014.24	4,013.17	0.39	0.30	0.26
10,566.00	91.31	89.82	6,375.59	-17.20	4,106.20	4,105.13	0.93	-0.43	0.83
10,658.00	89.46	88.90	6,374.97	-16.17	4,198.19	4,197.12	2.25	-2.01	-1.00
10,750.00	89.60	88.75	6,375.72	-14.28	4,290.16	4,289.12	0.22	0.15	-0.16
10,842.00	89.66	88.27	6,376.32	-11.89	4,382.13	4,381.11	0.53	0.07	-0.52
10,933.00	89.90	88.15	6,376.67	-9.05	4,473.09	4,472.10	0.29	0.26	-0.13
11,025.00	91.01	88.47	6,375.94	-6.34	4,565.04	4,564.09	1.26	1.21	0.35
11,116.00	90.74	87.89	6,374.55	-3.45	4,655.98	4,655.08	0.70	-0.30	-0.64
11,208.00	91.14	89.12	6,373.04	-1.05	4,747.94	4,747.06	1.41	0.43	1.34
11,300.00	91.01	88.82	6,371.31	0.61	4,839.91	4,839.04	0.36	-0.14	-0.33
11,391.00	90.94	88.15	6,369.76	3.01	4,930.86	4,930.03	0.74	-0.08	-0.74
11,483.00	90.34	89.86	6,368.74	4.61	5,022.84	5,022.02	1.97	-0.65	1.86
11,575.00	90.44	89.53	6,368.11	5.10	5,114.83	5,114.01	0.37	0.11	-0.36
11,667.00	90.27	89.13	6,367.54	6.17	5,206.83	5,206.00	0.47	-0.18	-0.43
11,758.00	90.37	88.99	6,367.03	7.67	5,297.81	5,297.00	0.19	0.11	-0.15
11,850.00	90.30	88.42	6,366.49	9.75	5,389.79	5,389.00	0.62	-0.08	-0.62
11,942.00	90.07	88.40	6,366.20	12.30	5,481.75	5,480.99	0.25	-0.25	-0.02
12,033.00	90.40	87.99	6,365.82	15.17	5,572.70	5,571.99	0.58	0.36	-0.45
12,125.00	91.24	89.96	6,364.51	16.81	5,664.68	5,663.97	2.33	0.91	2.14
12,216.00	91.31	89.80	6,362.48	17.00	5,755.65	5,754.93	0.19	0.08	-0.18
12,308.00	91.08	89.20	6,360.56	17.80	5,847.63	5,846.91	0.70	-0.25	-0.65
12,400.00	91.34	88.99	6,358.62	19.26	5,939.60	5,938.89	0.36	0.28	-0.23
12,491.00	91.38	88.97	6,356.46	20.88	6,030.56	6,029.86	0.05	0.04	-0.02
12,583.00	90.30	89.69	6,355.11	21.95	6,122.54	6,121.85	1.41	-1.17	0.78
12,674.00	90.30	89.70	6,354.63	22.44	6,213.54	6,212.84	0.01	0.00	0.01
12,766.00	90.10	89.97	6,354.31	22.70	6,305.53	6,304.83	0.37	-0.22	0.29
12,857.00	89.83	89.97	6,354.37	22.75	6,396.53	6,395.81	0.30	-0.30	0.00
12,949.00	90.00	89.90	6,354.51	22.85	6,488.53	6,487.80	0.20	0.18	-0.08
13,041.00	89.73	89.53	6,354.72	23.31	6,580.53	6,579.79	0.50	-0.29	-0.40
13,132.00	89.73	89.45	6,355.15	24.12	6,671.53	6,670.78	0.09	0.00	-0.09
13,224.00	89.80	89.12	6,355.53	25.27	6,763.52	6,762.78	0.37	0.08	-0.36
13,315.00	90.91	89.03	6,354.96	26.74	6,854.51	6,853.77	1.22	1.22	-0.10
13,407.00	91.55	90.20	6,352.99	27.36	6,946.48	6,945.74	1.45	0.70	1.27

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 05-62-22-4841C2
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4690' & KB 16' @ 4706.00ft (Cade 24)
Site:	Anschutz State 5-62-22 NWSW Pad	MD Reference:	GL 4690' & KB 16' @ 4706.00ft (Cade 24)
Well:	Anschutz State 05-62-22-4841C2	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
13,499.00	91.98	89.85	6,350.16	27.32	7,038.44	7,037.68	0.60	0.47	-0.38	
13,591.00	90.84	89.98	6,347.89	27.45	7,130.41	7,129.64	1.25	-1.24	0.14	
13,683.00	91.01	89.80	6,346.41	27.63	7,222.39	7,221.61	0.27	0.18	-0.20	
13,774.00	90.60	88.71	6,345.13	28.81	7,313.38	7,312.60	1.28	-0.45	-1.20	
13,866.00	90.67	88.04	6,344.11	31.42	7,405.33	7,404.59	0.73	0.08	-0.73	
13,957.00	90.47	86.21	6,343.20	35.99	7,496.21	7,495.54	2.02	-0.22	-2.01	
14,049.00	90.64	84.93	6,342.31	43.09	7,587.93	7,587.38	1.40	0.18	-1.39	
14,140.00	91.14	85.17	6,340.90	50.94	7,678.58	7,678.16	0.61	0.55	0.26	
14,232.00	91.71	86.27	6,338.61	57.81	7,770.29	7,769.98	1.35	0.62	1.20	
14,323.00	91.07	87.45	6,336.40	62.79	7,861.13	7,860.90	1.47	-0.70	1.30	
14,415.00	90.47	89.51	6,335.17	65.23	7,953.08	7,952.88	2.33	-0.65	2.24	
14,506.00	90.17	89.18	6,334.66	66.27	8,044.07	8,043.88	0.49	-0.33	-0.36	
14,598.00	90.23	89.10	6,334.34	67.65	8,136.06	8,135.88	0.11	0.07	-0.09	
14,690.00	90.24	89.22	6,333.96	69.00	8,228.05	8,227.87	0.13	0.01	0.13	
14,782.00	90.37	88.94	6,333.47	70.48	8,320.04	8,319.87	0.34	0.14	-0.30	
14,873.00	91.44	90.21	6,332.03	71.15	8,411.02	8,410.85	1.82	1.18	1.40	
14,965.00	91.55	90.18	6,329.63	70.84	8,502.99	8,502.80	0.12	0.12	-0.03	
15,057.00	91.85	89.68	6,326.90	70.95	8,594.95	8,594.74	0.63	0.33	-0.54	
15,148.00	90.71	90.13	6,324.87	71.10	8,685.92	8,685.70	1.35	-1.25	0.49	
15,239.00	90.10	88.44	6,324.23	72.24	8,776.91	8,776.70	1.97	-0.67	-1.86	
15,331.00	91.85	89.51	6,322.66	73.88	8,868.88	8,868.68	2.23	1.90	1.16	
15,422.00	91.41	89.50	6,320.07	74.67	8,959.84	8,959.64	0.48	-0.48	-0.01	
15,513.00	91.88	89.32	6,317.46	75.60	9,050.79	9,050.59	0.55	0.52	-0.20	
15,605.00	91.38	88.93	6,314.84	77.01	9,142.75	9,142.56	0.69	-0.54	-0.42	
15,699.00	90.23	88.40	6,313.52	79.20	9,236.71	9,236.54	1.35	-1.22	-0.56	
15,792.00	89.63	87.23	6,313.64	82.74	9,329.64	9,329.52	1.41	-0.65	-1.26	
15,887.00	90.27	88.26	6,313.72	86.48	9,424.56	9,424.50	1.28	0.67	1.08	
15,981.00	90.84	88.45	6,312.81	89.18	9,518.52	9,518.49	0.64	0.61	0.20	
16,076.00	91.48	88.44	6,310.89	91.76	9,613.46	9,613.47	0.67	0.67	-0.01	
16,170.00	92.12	88.28	6,307.93	94.45	9,707.38	9,707.42	0.70	0.68	-0.17	
16,265.00	92.75	88.00	6,303.90	97.53	9,802.24	9,802.32	0.73	0.66	-0.29	
16,360.00	93.40	88.02	6,298.80	100.82	9,897.05	9,897.18	0.68	0.68	0.02	
16,402.00	93.63	87.90	6,296.23	102.31	9,938.94	9,939.09	0.62	0.55	-0.29	
Last SDI MWD Survey										
16,460.00	93.63	87.90	6,292.55	104.43	9,996.79	9,996.97	0.00	0.00	0.00	
Projection to TD										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
15,981.00	6,312.81	Case15	7.000	7.000	

Company:	Bill Barrett Corp.	Local Co-ordinate Reference:	Well Anschutz State 05-62-22-4841C2
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Site:	Anschutz State 5-62-22 NWSW Pad	MD Reference:	GL 4690' & KB 16' @ 4706.00ft (Cade 24)
Well:	Anschutz State 05-62-22-4841C2	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
100.00	100.00	-0.12	-0.26	First Gyro Survey
694.00	693.99	-1.55	-2.72	Last Gyro Survey
976.00	975.99	-0.79	-3.85	First SDI MWD Survey
6,640.00	6,420.14	-95.23	183.26	Last SDI Curve Survey
6,794.00	6,423.45	-104.86	336.88	First SDI MWD Lateral Survey
16,402.00	6,296.23	102.31	9,938.94	Last SDI MWD Survey
16,460.00	6,292.55	104.43	9,996.79	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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