



Project: Weld County, CO NAD 83
Site: Anschutz State 5-62-26_25 SE27 PAD [GOOD]
Well: Anschutz State 5-62-26-6457CN
Wellbore: OH
Design: OH

WELL DETAILS: Anschutz State 5-62-26-6457CN

GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24) 4656.10
Northing Easting Latitude Longitude
1378884.01 3333927.94 40° 22' 2.078 N 104° 18' 5.630 W

Design: OH (Anschutz State 5-62-26-6457CN/OH)

Created By: Seth Burstad

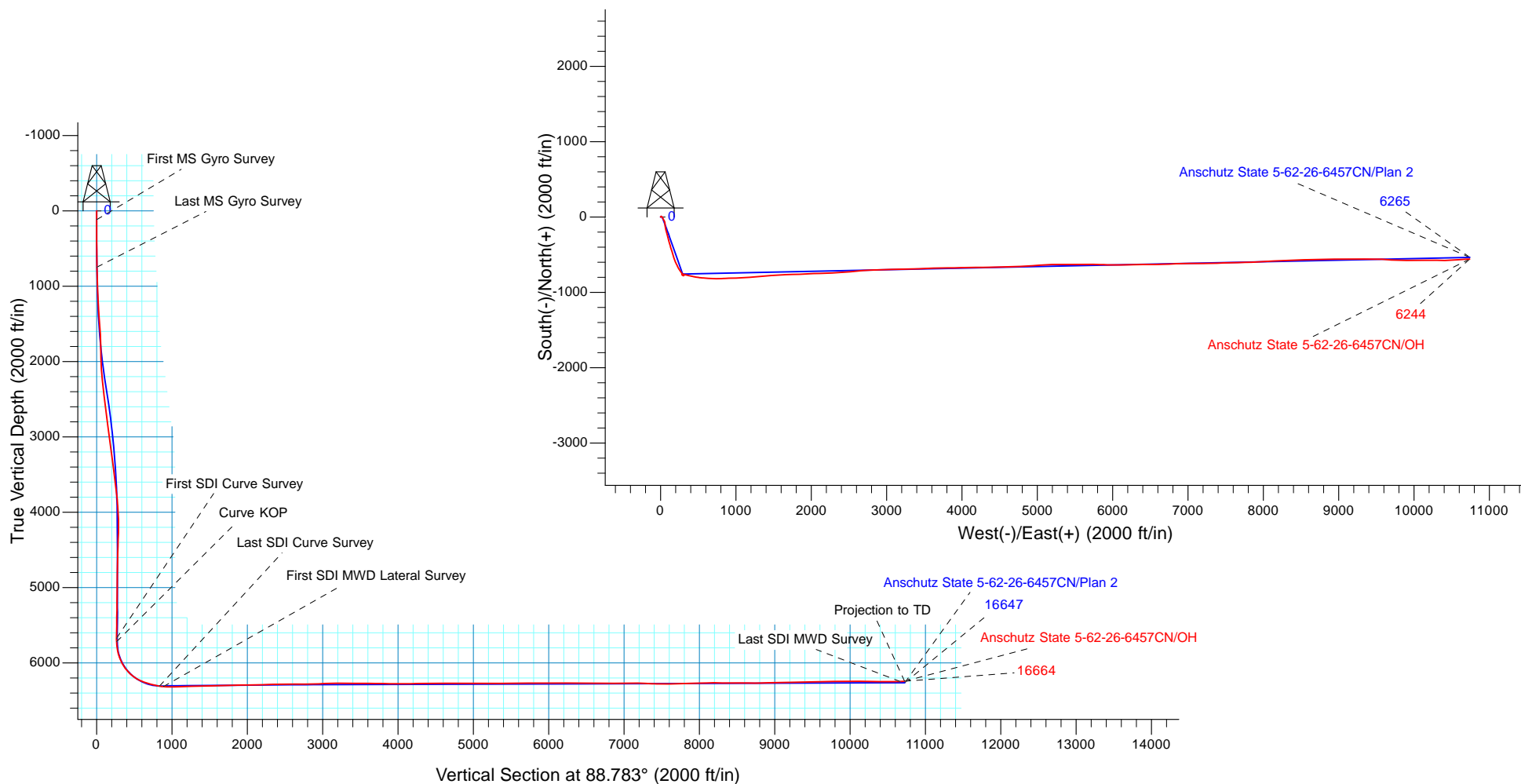
PROJECT DETAILS: Weld County, CO NAD 83

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

System Datum: Mean Sea Level
Local North: True

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
116.50	116.50	0.49	40.480	0.38	0.32	0.33	0.50	First MS Gyro Survey
747.42	747.50	1.02	76.260	7.43	5.79	5.95	10.10	Last MS Gyro Survey
5674.56	5816.00	1.15	323.330	-760.58	281.81	265.59	901.44	First SDI Curve Survey
5718.54	5860.00	2.50	82.383	-760.10	282.50	266.29	904.16	Curve KOP
6309.86	6767.00	79.72	85.920	-813.79	852.14	834.67	1478.33	Last SDI Curve Survey
6315.97	6822.00	87.52	90.060	-811.89	906.72	889.27	1532.95	First SDI MWD Lateral Survey
6246.07	16606.00	91.68	86.890	-560.58	10681.08	10666.77	11315.23	Last SDI MWD Survey
6244.37	16664.00	91.68	86.890	-557.44	10738.97	10724.71	11373.21	Projection to TD



HighPoint Resources

Weld County, CO NAD 83

Anschutz State 5-62-26_25 SE27 PAD [GOOD]

Anschutz State 5-62-26-6457CN

OH

Design: OH

Standard Survey Report

07 May, 2018



Scientific Drilling, Intl

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz State 5-62-26-6457CN
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Site:	Anschutz State 5-62-26_25 SE27 PAD [GOOD]	MD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Well:	Anschutz State 5-62-26-6457CN	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 5-62-26_25 SE27 PAD [GOOD], Site Center : Anschutz State 5-62-26-3240C				
Site Position:		Northing:	1,378,943.80 usft	Latitude:	40° 22' 2.669 N
From:	Lat/Long	Easting:	3,333,926.31 usft	Longitude:	104° 18' 5.641 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.77 °

Well	Anschutz State 5-62-26-6457CN, 1315' FSL 400' FEL Sec 27 T5N R62W					
Well Position	+N/-S	0.00 ft	Northing:	1,378,884.01 usft	Latitude:	40° 22' 2.078 N
	+E/-W	0.00 ft	Easting:	3,333,927.95 usft	Longitude:	104° 18' 5.630 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,656.10 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/18/2017	8.22	67.00	52,306

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	88.783	

Survey Program	Date	5/7/2018			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
116.50	747.50	Survey #2 - Surface Gyro (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
881.00	6,767.00	Survey #3 - Intermediate (OH)	OWSG MWD	OWSG MWD - Standard	
6,822.00	16,664.00	Survey #4 - Lateral (OH)	OWSG MWD	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
116.50	0.49	40.480	116.50	0.38	0.32	0.33	0.42	0.42	0.00	
First MS Gyro Survey										
216.50	0.59	34.020	216.49	1.13	0.89	0.91	0.12	0.10	-6.46	
316.50	0.83	18.840	316.49	2.24	1.41	1.46	0.30	0.24	-15.18	
416.50	1.00	13.200	416.47	3.78	1.84	1.92	0.19	0.17	-5.64	
516.50	1.12	31.630	516.46	5.46	2.56	2.67	0.36	0.12	18.43	
616.50	0.85	57.200	616.44	6.69	3.69	3.83	0.51	-0.27	25.57	
716.50	1.08	77.540	716.43	7.30	5.24	5.39	0.41	0.23	20.34	

Scientific Drilling, Intl

Survey Report

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Project:	Weld County, CO NAD 83	TVD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Site:	Anschutz State 5-62-26_25 SE27 PAD [GOOD]	MD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Well:	Anschutz State 5-62-26-6457CN	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)	
747.50	1.02	76.260	747.42	7.43	5.79	5.95	0.21	-0.19	-4.13	
Last MS Gyro Survey										
881.00	1.44	84.840	880.89	7.86	8.61	8.78	0.34	0.31	6.43	
1,064.00	3.02	120.220	1,063.76	5.64	15.07	15.19	1.11	0.86	19.33	
1,155.00	4.64	139.430	1,154.55	1.64	19.54	19.57	2.25	1.78	21.11	
1,246.00	5.39	153.510	1,245.21	-4.98	23.84	23.73	1.58	0.82	15.47	
1,338.00	7.85	153.810	1,336.59	-14.49	28.54	28.22	2.67	2.67	0.33	
1,429.00	9.69	152.290	1,426.52	-26.85	34.84	34.26	2.04	2.02	-1.67	
1,521.00	9.29	150.780	1,517.26	-40.18	42.07	41.20	0.51	-0.43	-1.64	
1,612.00	10.32	152.740	1,606.93	-53.84	49.39	48.23	1.19	1.13	2.15	
1,704.00	9.80	165.320	1,697.53	-68.74	55.15	53.67	2.45	-0.57	13.67	
1,795.00	10.97	176.970	1,787.04	-84.88	57.57	55.75	2.64	1.29	12.80	
1,886.00	12.68	173.300	1,876.11	-103.45	59.19	56.98	2.05	1.88	-4.03	
1,978.00	15.41	173.320	1,965.35	-125.62	61.79	59.11	2.97	2.97	0.02	
2,070.00	16.88	170.440	2,053.72	-150.94	65.43	62.21	1.82	1.60	-3.13	
2,161.00	19.32	165.750	2,140.22	-178.56	71.33	67.52	3.12	2.68	-5.15	
2,252.00	20.60	163.120	2,225.75	-208.47	79.69	75.24	1.72	1.41	-2.89	
2,343.00	25.17	164.790	2,309.57	-242.48	89.42	84.25	5.07	5.02	1.84	
2,437.00	25.78	165.210	2,394.43	-281.54	99.88	93.88	0.68	0.65	0.45	
2,531.00	26.04	164.180	2,478.98	-321.15	110.72	103.88	0.55	0.28	-1.10	
2,626.00	26.22	164.540	2,564.27	-361.44	122.00	114.30	0.25	0.19	0.38	
2,719.00	25.23	163.260	2,648.05	-400.22	133.19	124.66	1.22	-1.06	-1.38	
2,813.00	24.61	163.690	2,733.30	-438.19	144.45	135.11	0.69	-0.66	0.46	
2,907.00	26.18	164.000	2,818.21	-476.91	155.67	145.50	1.68	1.67	0.33	
3,001.00	24.02	161.810	2,903.33	-515.03	167.36	156.38	2.50	-2.30	-2.33	
3,095.00	22.31	161.540	2,989.75	-550.13	178.98	167.25	1.82	-1.82	-0.29	
3,189.00	20.78	157.480	3,077.19	-582.46	191.02	178.60	2.27	-1.63	-4.32	
3,282.00	18.70	156.090	3,164.72	-611.33	203.38	190.35	2.29	-2.24	-1.49	
3,376.00	16.06	153.320	3,254.42	-636.73	215.33	201.75	2.94	-2.81	-2.95	
3,469.00	16.19	152.130	3,343.76	-659.69	227.16	213.10	0.38	0.14	-1.28	
3,563.00	16.83	150.190	3,433.89	-683.08	240.05	225.49	0.90	0.68	-2.06	
3,656.00	15.43	147.110	3,523.22	-705.15	253.47	238.43	1.76	-1.51	-3.31	
3,750.00	13.65	144.580	3,614.21	-724.69	266.69	251.24	2.01	-1.89	-2.69	
3,844.00	11.21	142.370	3,706.00	-740.97	278.70	262.90	2.64	-2.60	-2.35	
3,938.00	8.74	149.570	3,798.58	-754.37	287.89	271.81	2.94	-2.63	7.66	
4,031.00	7.00	137.020	3,890.70	-764.61	295.34	279.03	2.62	-1.87	-13.49	
4,125.00	4.69	132.490	3,984.21	-771.39	302.08	285.62	2.50	-2.46	-4.82	
4,219.00	2.24	110.280	4,078.03	-774.63	306.63	290.11	2.93	-2.61	-23.63	
4,312.00	0.80	162.330	4,171.00	-775.88	308.54	291.99	2.00	-1.55	55.97	
4,406.00	1.55	235.450	4,264.99	-777.22	307.69	291.11	1.62	0.80	77.79	
4,500.00	2.57	274.280	4,358.93	-777.79	304.54	287.95	1.78	1.09	41.31	
4,594.00	1.94	274.940	4,452.85	-777.49	300.85	284.27	0.67	-0.67	0.70	
4,687.00	1.98	321.230	4,545.81	-776.10	298.28	281.73	1.66	0.04	49.77	

Scientific Drilling, Intl

Survey Report

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Project:	Weld County, CO NAD 83	TVD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Site:	Anschutz State 5-62-26_25 SE27 PAD [GOOD]	MD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Well:	Anschutz State 5-62-26-6457CN	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)
4,781.00	1.62	313.640	4,639.76	-773.92	296.30	279.80	0.46	-0.38	-8.07
4,875.00	1.48	316.520	4,733.73	-772.12	294.50	278.04	0.17	-0.15	3.06
4,970.00	1.40	321.720	4,828.70	-770.32	292.94	276.51	0.16	-0.08	5.47
5,064.00	1.11	306.980	4,922.67	-768.87	291.50	275.10	0.46	-0.31	-15.68
5,158.00	0.95	301.940	5,016.66	-767.91	290.11	273.74	0.20	-0.17	-5.36
5,251.00	0.85	300.150	5,109.65	-767.16	288.86	272.50	0.11	-0.11	-1.92
5,345.00	0.72	296.610	5,203.64	-766.54	287.73	271.38	0.15	-0.14	-3.77
5,439.00	0.78	311.330	5,297.63	-765.86	286.72	270.39	0.21	0.06	15.66
5,534.00	0.69	316.840	5,392.62	-765.01	285.85	269.53	0.12	-0.09	5.80
5,628.00	1.38	313.340	5,486.61	-763.82	284.63	268.35	0.74	0.73	-3.72
5,722.00	1.36	319.930	5,580.58	-762.19	283.09	266.84	0.17	-0.02	7.01
5,816.00	1.15	323.330	5,674.56	-760.58	281.81	265.59	0.24	-0.22	3.62
First SDI Curve Survey									
5,860.00	2.50	82.383	5,718.54	-760.10	282.50	266.29	7.32	3.07	270.58
Curve KOP									
5,908.00	5.94	93.040	5,766.41	-760.09	286.02	269.81	7.32	7.17	22.20
6,002.00	12.77	96.520	5,859.10	-761.53	301.22	284.97	7.29	7.27	3.70
6,096.00	22.34	101.290	5,948.62	-766.22	329.12	312.77	10.29	10.18	5.07
6,190.00	32.05	103.480	6,032.13	-775.55	371.00	354.44	10.38	10.33	2.33
6,284.00	42.42	102.790	6,106.87	-788.42	426.32	409.48	11.04	11.03	-0.73
6,378.00	51.54	98.160	6,170.95	-800.69	493.83	476.71	10.34	9.70	-4.93
6,472.00	61.72	94.320	6,222.60	-809.06	571.76	554.45	11.35	10.83	-4.09
6,565.00	72.35	93.620	6,258.84	-814.96	657.06	639.60	11.45	11.43	-0.75
6,659.00	74.97	91.030	6,285.29	-818.60	747.17	729.62	3.84	2.79	-2.76
6,753.00	78.13	84.420	6,307.17	-814.94	838.45	820.96	7.62	3.36	-7.03
6,767.00	79.72	85.920	6,309.86	-813.79	852.14	834.67	15.48	11.36	10.71
Last SDI Curve Survey									
6,822.00	87.52	90.060	6,315.97	-811.89	906.72	889.27	16.03	14.18	7.53
First SDI MWD Lateral Survey									
6,916.00	89.63	87.720	6,318.31	-810.07	1,000.66	983.23	3.35	2.24	-2.49
7,010.00	91.11	86.270	6,317.70	-805.14	1,094.52	1,077.17	2.20	1.57	-1.54
7,104.00	91.58	86.080	6,315.49	-798.87	1,188.29	1,171.05	0.54	0.50	-0.20
7,198.00	92.95	85.730	6,311.78	-792.16	1,281.97	1,264.86	1.50	1.46	-0.37
7,292.00	90.94	84.390	6,308.59	-784.07	1,375.56	1,358.60	2.57	-2.14	-1.43
7,385.00	91.34	85.970	6,306.74	-776.26	1,468.21	1,451.39	1.75	0.43	1.70
7,479.00	91.28	85.590	6,304.59	-769.34	1,561.93	1,545.24	0.41	-0.06	-0.40
7,573.00	91.85	88.760	6,302.02	-764.71	1,655.77	1,639.15	3.43	0.61	3.37
7,666.00	91.27	88.640	6,299.49	-762.60	1,748.71	1,732.12	0.64	-0.62	-0.13
7,760.00	91.08	87.320	6,297.56	-759.29	1,842.63	1,826.09	1.42	-0.20	-1.40
7,854.00	91.11	86.360	6,295.77	-754.11	1,936.47	1,920.01	1.02	0.03	-1.02
7,947.00	90.97	88.950	6,294.08	-750.31	2,029.37	2,012.97	2.79	-0.15	2.78
8,041.00	91.21	87.650	6,292.29	-747.52	2,123.31	2,106.95	1.41	0.26	-1.38
8,135.00	91.44	87.940	6,290.11	-743.90	2,217.21	2,200.91	0.39	0.24	0.31
8,229.00	91.71	86.830	6,287.53	-739.62	2,311.08	2,294.85	1.21	0.29	-1.18

Scientific Drilling, Intl

Survey Report

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Well:	Anschutz State 5-62-26-6457CN	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)
8,323.00	91.31	86.530	6,285.05	-734.17	2,404.89	2,388.75	0.53	-0.43	-0.32
8,416.00	90.94	85.390	6,283.23	-727.62	2,497.64	2,481.62	1.29	-0.40	-1.23
8,509.00	90.07	83.840	6,282.41	-718.90	2,590.22	2,574.36	1.91	-0.94	-1.67
8,603.00	89.56	85.140	6,282.71	-709.87	2,683.78	2,668.10	1.49	-0.54	1.38
8,697.00	90.03	88.100	6,283.05	-704.33	2,777.61	2,762.02	3.19	0.50	3.15
8,791.00	91.61	88.820	6,281.70	-701.80	2,871.56	2,856.00	1.85	1.68	0.77
8,885.00	91.61	87.400	6,279.06	-698.70	2,965.47	2,949.96	1.51	0.00	-1.51
8,979.00	92.72	88.230	6,275.51	-695.12	3,059.33	3,043.88	1.47	1.18	0.88
9,073.00	92.21	88.760	6,271.47	-692.66	3,153.21	3,137.79	0.78	-0.54	0.56
9,167.00	89.43	89.690	6,270.12	-691.39	3,247.18	3,231.76	3.12	-2.96	0.99
9,260.00	89.33	88.370	6,271.13	-689.81	3,340.16	3,324.76	1.42	-0.11	-1.42
9,354.00	89.30	87.340	6,272.25	-686.29	3,434.09	3,418.74	1.10	-0.03	-1.10
9,447.00	89.63	86.430	6,273.12	-681.24	3,526.94	3,511.68	1.04	0.35	-0.98
9,540.00	89.40	89.290	6,273.91	-677.77	3,619.87	3,604.65	3.09	-0.25	3.08
9,635.00	89.76	88.910	6,274.61	-676.28	3,714.85	3,699.65	0.55	0.38	-0.40
9,728.00	89.56	89.470	6,275.16	-674.96	3,807.84	3,792.65	0.64	-0.22	0.60
9,822.00	89.33	89.170	6,276.07	-673.84	3,901.83	3,886.64	0.40	-0.24	-0.32
9,916.00	88.89	88.690	6,277.53	-672.09	3,995.80	3,980.62	0.69	-0.47	-0.51
10,010.00	90.70	89.180	6,277.86	-670.34	4,089.78	4,074.62	1.99	1.93	0.52
10,104.00	91.31	89.120	6,276.22	-668.95	4,183.75	4,168.60	0.65	0.65	-0.06
10,199.00	91.04	89.360	6,274.27	-667.69	4,278.73	4,263.58	0.38	-0.28	0.25
10,293.00	90.67	88.460	6,272.86	-665.90	4,372.70	4,357.57	1.04	-0.39	-0.96
10,387.00	89.87	89.180	6,272.42	-663.96	4,466.68	4,451.57	1.14	-0.85	0.77
10,480.00	89.93	88.310	6,272.58	-661.93	4,559.65	4,544.56	0.94	0.06	-0.94
10,571.00	90.47	88.470	6,272.27	-659.37	4,650.61	4,635.56	0.62	0.59	0.18
10,663.00	89.40	88.040	6,272.37	-656.57	4,742.57	4,727.56	1.25	-1.16	-0.47
10,754.00	89.93	87.030	6,272.90	-652.66	4,833.48	4,818.53	1.25	0.58	-1.11
10,846.00	90.60	86.200	6,272.48	-647.22	4,925.32	4,910.46	1.16	0.73	-0.90
10,937.00	90.94	85.760	6,271.25	-640.85	5,016.09	5,001.35	0.61	0.37	-0.48
11,028.00	88.89	85.380	6,271.39	-633.82	5,106.81	5,092.20	2.29	-2.25	-0.42
11,119.00	89.70	88.740	6,272.51	-629.15	5,197.67	5,183.14	3.80	0.89	3.69
11,210.00	89.30	91.330	6,273.30	-629.21	5,288.66	5,274.10	2.88	-0.44	2.85
11,301.00	89.83	90.350	6,273.99	-630.54	5,379.65	5,365.04	1.22	0.58	-1.08
11,393.00	90.60	88.820	6,273.65	-629.87	5,471.64	5,457.03	1.86	0.84	-1.66
11,484.00	91.21	90.060	6,272.21	-628.98	5,562.62	5,548.01	1.52	0.67	1.36
11,575.00	91.34	89.310	6,270.19	-628.48	5,653.60	5,638.97	0.84	0.14	-0.82
11,666.00	89.90	91.150	6,269.20	-628.85	5,744.58	5,729.93	2.57	-1.58	2.02
11,758.00	89.73	92.170	6,269.50	-631.51	5,836.54	5,821.81	1.12	-0.18	1.11
11,850.00	89.93	90.660	6,269.77	-633.79	5,928.51	5,913.71	1.66	0.22	-1.64
11,941.00	90.30	89.340	6,269.59	-633.79	6,019.51	6,004.69	1.51	0.41	-1.45
12,032.00	90.20	90.260	6,269.19	-633.47	6,110.51	6,095.68	1.02	-0.11	1.01
12,124.00	90.40	89.990	6,268.71	-633.67	6,202.51	6,187.65	0.37	0.22	-0.29
12,215.00	91.04	87.990	6,267.57	-632.07	6,293.48	6,278.64	2.31	0.70	-2.20
12,307.00	88.79	89.990	6,267.70	-630.44	6,385.45	6,370.62	3.27	-2.45	2.17

Scientific Drilling, Intl

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz State 5-62-26-6457CN
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Site:	Anschutz State 5-62-26_25 SE27 PAD [GOOD]	MD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Well:	Anschutz State 5-62-26-6457CN	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)	
12,398.00	88.76	90.110	6,269.65	-630.52	6,476.43	6,461.58	0.14	-0.03	0.13	
12,490.00	88.59	88.550	6,271.78	-629.45	6,568.40	6,553.55	1.71	-0.18	-1.70	
12,581.00	89.16	88.020	6,273.56	-626.73	6,659.34	6,644.53	0.86	0.63	-0.58	
12,672.00	90.70	87.750	6,273.67	-623.37	6,750.28	6,735.51	1.72	1.69	-0.30	
12,763.00	91.34	87.400	6,272.05	-619.52	6,841.18	6,826.48	0.80	0.70	-0.38	
12,854.00	90.40	88.640	6,270.67	-616.37	6,932.11	6,917.46	1.71	-1.03	1.36	
12,945.00	90.64	90.190	6,269.85	-615.44	7,023.10	7,008.45	1.72	0.26	1.70	
13,036.00	90.74	91.040	6,268.75	-616.42	7,114.09	7,099.39	0.94	0.11	0.93	
13,127.00	88.62	88.640	6,269.26	-616.17	7,205.07	7,190.36	3.52	-2.33	-2.64	
13,219.00	87.72	88.920	6,272.20	-614.21	7,297.01	7,282.31	1.02	-0.98	0.30	
13,310.00	87.32	87.260	6,276.14	-611.18	7,387.87	7,373.22	1.87	-0.44	-1.82	
13,401.00	89.60	87.940	6,278.58	-607.37	7,478.75	7,464.16	2.61	2.51	0.75	
13,492.00	90.34	89.470	6,278.63	-605.31	7,569.72	7,555.16	1.87	0.81	1.68	
13,583.00	90.10	89.320	6,278.28	-604.35	7,660.72	7,646.15	0.31	-0.26	-0.16	
13,675.00	91.34	88.660	6,277.12	-602.73	7,752.69	7,738.14	1.53	1.35	-0.72	
13,766.00	92.25	87.340	6,274.27	-599.56	7,843.59	7,829.08	1.76	1.00	-1.45	
13,857.00	91.24	86.120	6,271.50	-594.37	7,934.40	7,919.98	1.74	-1.11	-1.34	
13,948.00	91.54	85.560	6,269.29	-587.77	8,025.13	8,010.83	0.70	0.33	-0.62	
14,039.00	91.71	88.660	6,266.71	-583.18	8,115.96	8,101.75	3.41	0.19	3.41	
14,130.00	89.63	88.500	6,265.65	-580.93	8,206.93	8,192.74	2.29	-2.29	-0.18	
14,220.00	89.63	88.330	6,266.23	-578.44	8,296.89	8,282.73	0.19	0.00	-0.19	
14,311.00	90.37	87.080	6,266.23	-574.80	8,387.81	8,373.71	1.60	0.81	-1.37	
14,402.00	89.36	86.070	6,266.44	-569.36	8,478.65	8,464.64	1.57	-1.11	-1.11	
14,493.00	89.87	88.790	6,267.06	-565.28	8,569.55	8,555.61	3.04	0.56	2.99	
14,584.00	89.20	88.740	6,267.79	-563.32	8,660.52	8,646.60	0.74	-0.74	-0.05	
14,676.00	90.27	88.200	6,268.22	-560.86	8,752.49	8,738.60	1.30	1.16	-0.59	
14,767.00	90.47	89.090	6,267.63	-558.71	8,843.46	8,829.60	1.00	0.22	0.98	
14,857.00	91.61	90.680	6,266.00	-558.53	8,933.44	8,919.56	2.17	1.27	1.77	
14,949.00	91.34	90.760	6,263.63	-559.69	9,025.40	9,011.48	0.31	-0.29	0.09	
15,040.00	91.07	90.100	6,261.72	-560.37	9,116.38	9,102.42	0.78	-0.30	-0.73	
15,132.00	90.91	88.040	6,260.13	-558.88	9,208.35	9,194.40	2.25	-0.17	-2.24	
15,222.00	92.08	90.800	6,257.78	-557.96	9,298.30	9,284.35	3.33	1.30	3.07	
15,313.00	91.61	90.260	6,254.85	-558.81	9,389.25	9,375.26	0.79	-0.52	-0.59	
15,404.00	92.08	90.050	6,251.92	-559.05	9,480.20	9,466.19	0.57	0.52	-0.23	
15,496.00	90.34	91.760	6,249.98	-560.51	9,572.16	9,558.10	2.65	-1.89	1.86	
15,587.00	90.80	95.580	6,249.07	-566.33	9,662.95	9,648.75	4.23	0.51	4.20	
15,679.00	90.40	92.690	6,248.11	-572.96	9,754.70	9,740.33	3.17	-0.43	-3.14	
15,770.00	90.91	90.210	6,247.07	-575.26	9,845.66	9,831.22	2.78	0.56	-2.73	
15,861.00	90.23	89.040	6,246.16	-574.67	9,936.65	9,922.20	1.49	-0.75	-1.29	
15,955.00	90.47	89.450	6,245.59	-573.43	10,030.64	10,016.20	0.51	0.26	0.44	
16,048.00	89.93	89.230	6,245.26	-572.36	10,123.63	10,109.19	0.63	-0.58	-0.24	
16,142.00	90.30	91.950	6,245.07	-573.33	10,217.62	10,203.14	2.92	0.39	2.89	
16,236.00	88.36	90.830	6,246.17	-575.61	10,311.58	10,297.03	2.38	-2.06	-1.19	

Scientific Drilling, Intl

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz State 5-62-26-6457CN
Project:	Weld County, CO NAD 83	TVD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Site:	Anschutz State 5-62-26_25 SE27 PAD [GOOD]	MD Reference:	GL 4656.1' & KB 16.5' @ 4672.60ft (Cade 24)
Well:	Anschutz State 5-62-26-6457CN	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)	
16,330.00	88.96	88.640	6,248.37	-575.17	10,405.54	10,390.98	2.42	0.64	-2.33	
16,424.00	89.80	87.360	6,249.39	-571.89	10,499.48	10,484.96	1.63	0.89	-1.36	
16,518.00	91.38	85.740	6,248.42	-566.24	10,593.30	10,578.88	2.41	1.68	-1.72	
16,606.00	91.68	86.890	6,246.07	-560.58	10,681.08	10,666.77	1.35	0.34	1.31	
Last SDI MWD Survey										
16,664.00	91.68	86.890	6,244.37	-557.44	10,738.97	10,724.71	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
116.50	116.50	0.38	0.32	First MS Gyro Survey	
747.50	747.42	7.43	5.79	Last MS Gyro Survey	
5,816.00	5,674.56	-760.58	281.81	First SDI Curve Survey	
5,860.00	5,718.54	-760.10	282.50	Curve KOP	
6,767.00	6,309.86	-813.79	852.14	Last SDI Curve Survey	
6,822.00	6,315.97	-811.89	906.72	First SDI MWD Lateral Survey	
16,606.00	6,246.07	-560.58	10,681.08	Last SDI MWD Survey	
16,664.00	6,244.37	-557.44	10,738.97	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____



Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	HighPoint Resources
Well Name & No.	Anschutz State 5-62-26-6457CN
API #	05-123-46082
County & State	Weld County, CO
SDI Job #	OP.009829
Rig	Cade 24
Survey Date	5-May-2018

I, Seth M. Burstad, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 747.5 feet to a measured depth of 16606 feet is true and correct as determined from all available records.

Seth M. Burstad

Signature

7-May-2018

Date

Seth M. Burstad

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District