

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #07
Area	Ritchie County, WV	Well	Trust Unit 2H
Field	Ritchie	Wellbore	Trust Unit 2H AWB
Facility	Mulway Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Delaset
Scale	0.999601	Report Generated	07/Jul/2017 at 14:08
Convergence at slot	0.06° East	Database/Source file	WA_MPL_EasternUS_Defn/Trust_Unit_2H_AWP_Proj_16793_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Northing[US ft]	Latitude	Longitude	
Slot Location	-10.12	2.37	14279369.09	39°19'20.950"N	80°53'56.820"W	
Facility Reference Pt			1668944.75	39°19'21.050"N	80°53'56.850"W	
Field Reference Pt			0.00	0°00'00.000"	85°29'19.301"W	

WELLPATH DATUM		
Calculation method	Minimum curvature	Frontier 22 (RKB) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Frontier 22 (RKB) to Mean Sea Level
Vertical Reference Pt	Frontier 22 (RKB)	Frontier 22 (RKB) to Mud Line at Slot (Slot #07)
MD Reference Pt	Frontier 22 (RKB)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth
		N 0.00, E 0.00 ft
		161.63°



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REFERENCE WELLPATH IDENTIFICATION		Slot #07
Operator	ANTERO RESOURCES CORPORATION	Trust Unit 2H
Area	Ritchie County, WV	Trust Unit 2H AWB
Field	Ritchie	
Facility	Mulvay Pad	

WELLPATH DATA (192 stations) * = interpolated/extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert. Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
0.00†	0.000	170.970	0.00	0.00	0.00	0.00	1668947.11	14279366.09	39°19'20.950"N	80°53'56.820"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	170.970	24.50	0.00	0.00	0.00	1668947.11	14279366.09	39°19'20.950"N	80°53'56.820"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.360	170.970	109.50	0.26	-0.26	0.04	1668947.15	14279368.82	39°19'20.947"N	80°53'56.819"W	0.27	170.970	0.42	0.42	0.42	201.14 Syrodatta MS Gyro <-8.3/4"> (100'-5606')
209.50	0.420	165.490	209.50	0.94	-0.93	0.18	1668947.30	14279368.16	39°19'20.941"N	80°53'56.818"W	0.95	168.851	0.17	0.06	-5.48	
309.50	0.380	151.620	309.49	1.63	-1.58	0.43	1668947.55	14279367.51	39°19'20.934"N	80°53'56.815"W	1.63	164.649	0.10	-0.04	-13.87	
409.50	0.360	148.130	409.49	2.26	-2.13	0.76	1668947.87	14279366.95	39°19'20.929"N	80°53'56.810"W	2.26	160.492	0.03	-0.02	-3.49	
509.50	0.220	174.470	509.49	2.76	-2.59	0.94	1668948.05	14279366.49	39°19'20.924"N	80°53'56.808"W	2.76	160.058	0.19	-0.14	26.34	
709.50	0.160	145.190	709.49	3.45	-3.28	1.06	1668948.17	14279366.11	39°19'20.921"N	80°53'56.808"W	3.13	161.935	0.01	0.00	2.14	
809.50	0.730	106.950	809.49	3.95	-3.58	1.75	1668948.86	14279365.51	39°19'20.915"N	80°53'56.798"W	3.99	153.953	0.61	0.57	-38.24	
909.50	1.200	96.300	909.47	4.76	-3.88	3.40	1668950.51	14279365.20	39°19'20.912"N	80°53'56.777"W	5.16	138.782	0.50	0.47	-10.65	
1009.50	2.160	61.090	1009.43	4.85	-3.09	6.09	1668953.20	14279366.00	39°19'20.919"N	80°53'56.743"W	6.83	116.866	1.37	0.96	-35.21	
1109.50	2.710	41.150	1109.34	3.30	-0.39	9.30	1668956.41	14279368.69	39°19'20.946"N	80°53'56.702"W	9.30	92.430	1.00	0.55	-19.94	
1209.50	3.740	27.400	1209.18	-0.17	4.28	12.35	1668959.46	14279373.37	39°19'20.992"N	80°53'56.663"W	13.07	70.885	1.28	1.03	-13.75	
1309.50	4.280	24.540	1308.94	-5.18	10.57	15.40	1668962.51	14279379.65	39°19'21.094"N	80°53'56.624"W	18.68	55.539	0.58	0.54	-2.86	
1409.50	5.820	21.790	1408.55	-11.79	18.67	18.84	1668965.94	14279387.75	39°19'21.134"N	80°53'56.580"W	26.52	45.247	1.56	1.54	-2.75	
1509.50	7.170	23.420	1507.90	-20.31	29.11	23.20	1668970.30	14279398.18	39°19'21.237"N	80°53'56.524"W	37.22	38.553	1.36	1.35	1.63	
1609.50	7.840	23.820	1607.05	-30.02	41.08	28.43	1668975.54	14279410.14	39°19'21.356"N	80°53'56.458"W	49.96	34.592	0.67	0.67	0.40	
1709.50	8.590	24.440	1706.02	-40.55	54.11	34.28	1668981.38	14279423.18	39°19'21.484"N	80°53'56.383"W	64.06	32.352	0.76	0.75	0.62	
1809.50	8.960	29.450	1804.85	-51.26	67.69	41.20	1668988.29	14279436.75	39°19'21.619"N	80°53'56.295"W	79.24	31.324	0.85	0.37	5.01	
1909.50	9.340	42.150	1903.59	-60.48	80.49	50.47	1668997.56	14279449.55	39°19'21.745"N	80°53'56.177"W	95.01	32.089	2.05	0.38	12.70	
2009.50	10.620	54.510	2002.08	-67.19	91.86	63.42	1669010.51	14279460.91	39°19'21.857"N	80°53'56.012"W	111.63	34.622	2.49	1.28	12.36	
2109.50	10.680	54.360	2100.36	-72.65	102.61	78.46	1669025.54	14279471.65	39°19'21.963"N	80°53'55.820"W	129.17	37.402	0.07	0.06	-0.15	
2209.50	10.000	53.310	2198.74	-78.13	113.20	92.95	1669040.02	14279482.24	39°19'22.068"N	80°53'55.638"W	146.47	39.390	0.71	-0.68	-1.05	
2309.50	9.830	52.360	2297.24	-83.68	123.60	106.67	1669053.74	14279492.63	39°19'22.170"N	80°53'55.461"W	163.26	40.796	0.24	-0.17	-0.95	
2409.50	8.790	50.570	2395.92	-89.24	133.66	119.33	1669066.40	14279502.70	39°19'22.270"N	80°53'55.300"W	179.18	41.758	1.08	-1.04	-1.79	
2509.50	6.340	51.430	2495.05	-93.90	141.96	129.55	1669076.61	14279510.99	39°19'22.352"N	80°53'55.169"W	192.19	42.384	2.45	-2.45	0.86	
2609.50	5.670	49.610	2594.50	-97.66	148.60	137.63	1669084.69	14279517.63	39°19'22.417"N	80°53'55.067"W	202.55	42.805	0.70	-0.67	-1.82	
2709.50	5.510	47.820	2694.02	-101.46	155.04	144.94	1669092.00	14279524.06	39°19'22.481"N	80°53'54.973"W	212.24	43.072	0.25	-0.16	-1.99	
2809.50	2.070	5.600	2793.80	-105.07	160.08	148.67	1669095.72	14279529.10	39°19'22.530"N	80°53'54.926"W	218.46	42.883	4.21	-3.44	-42.02	



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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Area	Ritchie County, WV
Field	Ritchie
Facility	Mulvey Pad
Slot	Slot #07
Well	Trust Unit 2H
Wellbore	Trust Unit 2H AWP

WELLPATH DATA (192 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
2909.50	1.630	346.320	2893.75	-108.13	163.26	148.51	1669095.56	14279532.28	39°19'22.562"N	80°53'54.928"W	220.69	42.291	0.76	-0.44	-19.28	
3009.50	1.620	340.170	2993.71	-110.97	165.97	147.69	1669094.74	14279534.99	39°19'22.589"N	80°53'54.938"W	222.16	41.665	0.17	-0.01	-6.15	
3109.50	1.620	325.630	3093.67	-113.74	168.46	146.41	1669093.47	14279537.48	39°19'22.613"N	80°53'54.955"W	223.20	40.994	0.41	0.00	-14.54	
3209.50	0.270	1.320	3193.66	-115.32	169.87	145.62	1669092.87	14279538.88	39°19'22.627"N	80°53'54.965"W	223.74	40.605	1.41	-1.35	35.69	
3309.50	0.220	80.990	3293.66	-115.51	170.13	145.81	1669092.87	14279539.15	39°19'22.630"N	80°53'54.962"W	224.07	40.599	0.32	-0.05	79.67	
3409.50	0.260	81.400	3393.66	-115.44	170.20	146.23	1669093.28	14279539.21	39°19'22.631"N	80°53'54.957"W	224.39	40.668	0.04	0.04	0.41	
3509.50	0.170	96.540	3493.65	-115.34	170.21	146.60	1669093.65	14279539.23	39°19'22.630"N	80°53'54.952"W	224.64	40.737	0.11	-0.09	15.14	
3609.50	0.230	104.000	3593.65	-115.17	170.15	146.94	1669094.00	14279539.16	39°19'22.631"N	80°53'54.948"W	224.82	40.814	0.07	0.06	7.46	
3709.50	0.500	90.490	3693.65	-114.92	170.09	147.57	1669094.63	14279539.11	39°19'22.630"N	80°53'54.940"W	225.19	40.945	0.28	0.27	-13.51	
3809.50	0.660	84.170	3793.65	-114.65	170.15	148.58	1669095.64	14279539.17	39°19'22.630"N	80°53'54.927"W	225.89	41.129	0.17	0.16	-6.32	
3909.50	0.880	81.650	3893.64	-114.39	170.32	149.92	1669096.97	14279539.34	39°19'22.632"N	80°53'54.910"W	226.90	41.354	0.22	0.22	-2.52	
4009.50	1.070	74.430	3993.62	-114.22	170.68	151.57	1669098.63	14279539.70	39°19'22.635"N	80°53'54.889"W	228.27	41.607	0.23	0.19	-7.22	
4109.50	1.320	64.860	4093.60	-114.31	171.42	153.52	1669100.57	14279540.44	39°19'22.643"N	80°53'54.864"W	230.11	41.846	0.32	0.25	-9.57	
4209.50	1.400	64.700	4193.57	-114.59	172.43	155.66	1669102.71	14279541.45	39°19'22.653"N	80°53'54.837"W	232.30	42.074	0.08	0.08	-0.16	
4309.50	1.510	63.230	4293.54	-114.93	173.55	157.94	1669104.99	14279542.56	39°19'22.664"N	80°53'54.808"W	234.66	42.305	0.12	0.11	-1.47	
4409.50	1.710	60.420	4393.50	-115.41	174.88	160.42	1669107.47	14279543.89	39°19'22.677"N	80°53'54.776"W	237.31	42.531	0.21	0.20	-2.81	
4509.50	0.550	79.960	4493.48	-115.63	175.70	162.19	1669109.24	14279544.71	39°19'22.685"N	80°53'54.754"W	239.11	42.710	1.21	-1.16	19.54	
4609.50	0.630	81.100	4593.48	-115.47	175.87	163.20	1669110.25	14279544.88	39°19'22.686"N	80°53'54.741"W	239.93	42.861	0.08	0.08	1.14	
4709.50	0.490	341.750	4693.47	-115.81	176.36	163.61	1669110.66	14279545.37	39°19'22.691"N	80°53'54.736"W	240.57	42.853	0.86	-0.14	-99.35	
4809.50	0.630	353.940	4793.47	-116.77	177.31	163.42	1669110.47	14279546.33	39°19'22.701"N	80°53'54.738"W	241.13	42.666	0.18	0.14	12.19	
4909.50	0.690	327.900	4893.46	-117.90	178.37	163.04	1669110.09	14279547.38	39°19'22.711"N	80°53'54.743"W	241.66	42.430	0.30	0.06	-26.04	
5009.50	0.990	297.440	4993.45	-119.10	179.28	161.96	1669109.00	14279548.29	39°19'22.720"N	80°53'54.757"W	241.60	42.094	0.53	0.30	-30.46	
5109.50	0.860	341.440	5093.44	-120.47	180.39	160.95	1669108.00	14279549.40	39°19'22.731"N	80°53'54.769"W	241.75	41.741	0.70	-0.13	44.00	
5209.50	1.070	91.930	5193.43	-120.90	181.07	161.65	1669108.69	14279550.08	39°19'22.738"N	80°53'54.761"W	242.72	41.757	1.59	0.21	110.49	
5309.50	1.480	135.180	5293.41	-119.42	180.12	163.49	1669110.54	14279549.13	39°19'22.728"N	80°53'54.737"W	243.25	42.229	1.01	0.41	43.25	
5409.50	2.450	156.340	5393.35	-116.13	177.24	165.26	1669112.30	14279546.26	39°19'22.700"N	80°53'54.715"W	242.33	42.995	1.20	0.97	21.16	
5509.50	2.980	159.670	5493.24	-111.41	172.85	167.02	1669114.06	14279546.87	39°19'22.657"N	80°53'54.692"W	240.36	44.017	0.55	0.53	3.33	
5609.50	5.630	183.110	5592.95	-104.24	165.51	167.66	1669114.70	14279534.53	39°19'22.584"N	80°53'54.684"W	235.59	45.369	3.13	2.65	23.44	
5709.50	5.990	178.140	5692.47	-95.01	155.75	167.55	1669114.59	14279524.77	39°19'22.487"N	80°53'54.686"W	228.78	47.090	0.49	-0.04	-4.97	
5809.50	7.730	176.960	5791.79	-83.85	144.16	168.06	1669115.11	14279513.19	39°19'22.373"N	80°53'54.679"W	221.42	49.377	2.14	2.14	-1.18	



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REFERENCE WELLPATH IDENTIFICATION		Slot #07
Operator	ANTERO RESOURCES CORPORATION	Trust Unit 2H
Area	Ritchie County, WV	Trust Unit 2H AWB
Field	Ritchie	
Facility	Mulvay Pad	

WELLPATH DATA (192 stations) † = interpolated/extrapolated station																
MD ft	Inclination °	Azimuth °	TVD ft	Vert Sect ft	North ft	East ft	Grid East ft	Grid North ft	Latitude	Longitude	Closure Dist ft	Closure Dir °	DLS P/100ft	Build Rate P/100ft	Turn Rate P/100ft	Comments
5815.50	7.840	176.830	5797.74	-83.07	143.35	168.11	1669115.15	14279512.38	39°19'22.365"N	80°53'54.679"W	220.93	49.545	1.86	1.83	-2.17	
5873.50	10.620	176.030	5854.98	-74.07	134.07	168.69	1669115.74	14279503.10	39°19'22.273"N	80°53'54.672"W	215.48	51.525	4.80	4.79	-1.38	Directional ONE MWD <-8-3/4"> (5806')(5864'-5908')
5917.00H	15.583	175.812	5897.34	-64.52	124.23	169.40	1669116.44	14279493.27	39°19'22.176"N	80°53'54.663"W	210.07	53.744	11.41	11.41	-0.50	BHAT Curve <-8-1/2"> (5917.5')(5917'-16731')
5917.50	15.643	175.810	5897.82	-64.39	124.10	169.41	1669116.45	14279493.14	39°19'22.175"N	80°53'54.663"W	210.00	53.776	11.41	11.41	-0.34	
5975.00	22.510	174.370	5952.13	-48.11	105.39	171.06	1669118.10	14279474.44	39°19'21.990"N	80°53'54.642"W	200.92	58.361	11.97	11.96	-2.50	
6005.00	24.840	173.240	5979.60	-34.34	93.42	172.36	1669119.41	14279462.47	39°19'21.871"N	80°53'54.625"W	196.05	61.543	7.91	7.77	-3.77	
6052.00	25.550	168.930	6022.13	-14.61	73.67	175.47	1669122.51	14279442.72	39°19'21.676"N	80°53'54.586"W	190.31	67.226	4.18	1.51	-9.17	
6100.00	25.540	164.540	6065.45	5.99	53.53	180.22	1669122.26	14279422.60	39°19'21.477"N	80°53'54.526"W	188.00	73.456	3.94	-0.02	-9.15	
6147.00	25.620	160.020	6107.84	26.27	34.22	186.39	1669133.43	14279403.29	39°19'21.286"N	80°53'54.448"W	189.51	79.598	4.15	0.17	-9.62	
6194.00	27.740	156.890	6149.84	47.33	14.60	194.16	1669141.19	14279383.68	39°19'21.092"N	80°53'54.349"W	184.71	85.699	5.41	4.51	-6.66	
6241.00	33.430	156.710	6190.28	71.15	-7.37	203.58	1669150.61	14279361.72	39°19'20.875"N	80°53'54.230"W	203.71	92.072	12.11	12.11	-0.38	
6267.00H	36.608	157.367	6211.57	86.02	-21.10	209.39	1669156.42	14279347.99	39°19'20.739"N	80°53'54.156"W	210.45	95.755	12.31	12.22	2.53	Middlesex: 6267' MD
6289.00	39.300	157.850	6228.92	99.52	-33.61	214.55	1669161.57	14279335.49	39°19'20.615"N	80°53'54.091"W	217.16	98.904	12.31	12.24	2.20	
6336.00	44.860	159.850	6263.79	130.96	-62.97	225.93	1669172.95	14279306.15	39°19'20.325"N	80°53'53.946"W	234.54	105.573	12.10	11.83	3.83	
6385.00	50.640	161.240	6296.72	167.21	-97.14	238.04	1669185.06	14279271.99	39°19'19.987"N	80°53'53.792"W	257.10	112.198	12.04	11.80	3.24	
6426.00H	55.280	162.665	6321.42	199.92	-128.25	248.17	1669195.18	14279240.89	39°19'19.680"N	80°53'53.664"W	279.35	117.329	11.65	11.32	3.48	Burket: 6426' MD
6432.00	55.960	162.860	6324.80	204.87	-132.98	249.64	1669196.65	14279236.16	39°19'19.633"N	80°53'53.645"W	282.84	118.043	11.65	11.34	3.25	
6480.00	61.940	163.890	6349.55	245.96	-172.34	261.46	1669208.46	14279196.81	39°19'19.244"N	80°53'53.496"W	313.15	123.392	12.55	12.46	1.73	
6489.00H	62.995	163.881	6353.71	253.93	-180.01	263.68	1669210.69	14279189.15	39°19'19.168"N	80°53'53.467"W	319.27	124.320	11.88	11.73	2.12	Tully: 6489' MD
6525.00	67.220	164.610	6368.86	286.55	-211.43	272.54	1669219.55	14279157.74	39°19'18.857"N	80°53'53.355"W	344.94	127.803	11.88	11.73	2.03	
6567.00H	71.351	165.807	6383.71	325.75	-249.40	282.57	1669229.57	14279119.78	39°19'18.482"N	80°53'53.228"W	376.89	131.433	10.19	9.84	2.85	Marcellus POE: 6567' MD
6574.00	77.850	164.890	6397.85	376.68	-298.82	295.35	1669242.34	14279070.38	39°19'17.993"N	80°53'53.066"W	420.15	135.335	12.84	12.63	-2.41	
6620.00	72.040	166.000	6385.91	332.37	-255.85	284.19	1669231.18	14279113.34	39°19'18.418"N	80°53'53.208"W	382.39	131.996	10.19	9.85	2.76	
6669.00	84.580	164.100	6405.33	425.01	-345.46	308.29	1669255.28	14279023.77	39°19'17.532"N	80°53'52.902"W	463.02	138.254	13.83	13.73	-1.61	
6715.00	90.120	163.610	6407.46	470.91	-389.58	321.06	1669268.05	14278979.66	39°19'17.096"N	80°53'52.740"W	504.83	140.507	12.09	12.04	-1.07	
6764.00	90.980	161.800	6406.99	519.90	-436.36	335.63	1669282.61	14278932.90	39°19'16.633"N	80°53'52.556"W	550.51	142.434	4.09	1.76	-3.69	
6859.00	90.030	157.530	6406.15	614.82	-525.41	368.63	1669315.60	14278884.88	39°19'15.753"N	80°53'52.137"W	641.83	144.946	4.60	-1.00	-4.49	
6954.00	89.910	157.850	6406.20	709.59	-613.30	404.70	1669351.65	14278756.03	39°19'14.884"N	80°53'51.679"W	734.79	146.581	0.36	-0.13	0.34	
7048.00	89.780	158.130	6406.46	803.40	-700.45	439.92	1669386.86	14278668.92	39°19'14.022"N	80°53'51.232"W	827.14	147.869	0.33	-0.14	0.30	
7143.00	89.780	157.320	6406.82	898.18	-788.36	475.93	1669422.86	14278581.04	39°19'13.153"N	80°53'50.775"W	920.88	148.881	0.85	0.00	-0.85	



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #07
Area	Ritchie County, WV	Well	Trust Unit 2H
Field	Ritchie	Wellbore	Trust Unit 2H AWB
Facility	Mulvey Pad		

WELLPATH DATA (192 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
7238.00	89.630	158.130	6407.31	992.96	-876.27	511.94	1669458.85	14278493.17	39°19'12.284"N	80°53'50.318"W	1014.86	149.705	0.87	-0.16	0.85	
7333.00	89.510	161.790	6408.02	1087.90	-965.50	544.49	1669491.39	14278403.97	39°19'11.401"N	80°53'49.908"W	1108.45	150.579	3.85	-0.13	3.85	
7429.00	89.630	161.590	6408.74	1183.89	-1056.64	574.65	1669521.53	14278312.87	39°19'10.500"N	80°53'49.523"W	1202.79	151.461	0.24	0.12	-0.21	
7524.00	89.410	159.020	6409.54	1278.86	-1146.07	606.86	1669553.53	14278223.48	39°19'09.616"N	80°53'49.177"W	1296.73	152.106	2.72	-0.23	-2.71	
7619.00	89.600	162.650	6410.36	1373.83	-1235.78	637.84	1669584.70	14278133.80	39°19'08.729"N	80°53'48.722"W	1390.69	152.700	3.83	0.20	3.82	
7714.00	89.350	165.310	6411.23	1468.74	-1327.08	664.06	1669610.90	14278042.53	39°19'07.826"N	80°53'48.390"W	1483.95	153.417	2.81	-0.26	2.80	
7809.00	89.720	166.350	6412.09	1563.48	-1419.19	687.31	1669634.15	14277950.47	39°19'06.916"N	80°53'48.095"W	1576.86	154.159	1.16	0.39	1.09	
7904.00	90.180	163.750	6412.09	1658.30	-1510.96	711.82	1669658.64	14277858.73	39°19'06.008"N	80°53'47.785"W	1670.24	154.775	2.78	0.48	-2.74	
7999.00	90.180	164.630	6411.79	1753.20	-1602.37	737.70	1669684.52	14277767.36	39°19'05.104"N	80°53'47.457"W	1764.03	155.280	0.93	0.00	0.93	
8094.00	90.220	169.490	6411.46	1847.75	-1694.93	758.97	1669705.77	14277674.84	39°19'04.189"N	80°53'47.187"W	1857.10	155.878	5.12	0.04	5.12	
8189.00	90.830	168.420	6410.58	1941.97	-1788.16	777.17	1669723.97	14277581.64	39°19'03.268"N	80°53'46.957"W	1949.75	156.509	1.30	0.64	-1.13	
8284.00	90.520	161.140	6409.46	2036.75	-1879.76	802.09	1669748.88	14277490.08	39°19'02.362"N	80°53'46.641"W	2043.73	156.892	7.67	-0.33	-7.66	
8378.00	89.630	155.800	6409.34	2130.57	-1967.17	836.57	1669783.35	14277402.70	39°19'01.498"N	80°53'46.204"W	2137.67	156.962	5.76	-0.95	-5.68	
8473.00	89.720	155.920	6409.88	2225.09	-2053.86	875.42	1669822.18	14277316.05	39°19'00.641"N	80°53'45.711"W	2232.65	156.915	0.16	0.09	0.13	
8568.00	89.690	156.560	6410.37	2319.67	-2140.81	913.70	1669860.44	14277229.14	39°18'59.781"N	80°53'45.225"W	2327.64	156.887	0.67	-0.03	0.67	
8664.00	89.660	155.720	6410.91	2415.23	-2228.60	952.53	1669899.26	14277141.38	39°18'58.913"N	80°53'44.732"W	2423.63	156.858	0.88	-0.03	-0.87	
8759.00	89.750	154.280	6411.40	2509.59	-2314.70	992.68	1669939.39	14277055.32	39°18'58.061"N	80°53'44.223"W	2518.58	156.788	1.52	0.09	-1.52	
8854.00	89.230	161.730	6412.25	2604.33	-2402.72	1028.23	1669974.93	14276967.33	39°18'57.191"N	80°53'43.772"W	2613.49	156.832	7.86	-0.55	7.84	
8949.00	89.820	162.200	6413.04	2699.32	-2493.05	1057.64	1670004.33	14276877.04	39°18'56.298"N	80°53'43.399"W	2708.11	157.012	0.79	0.82	0.49	
9044.00	89.780	158.030	6413.37	2794.27	-2582.36	1089.95	1670036.62	14276787.76	39°18'55.415"N	80°53'42.989"W	2802.96	157.117	4.39	-0.04	-4.39	
9139.00	89.630	158.140	6413.86	2889.08	-2670.50	1125.40	1670072.06	14276699.66	39°18'54.543"N	80°53'42.539"W	2897.94	157.148	0.20	-0.16	0.12	
9234.00	89.570	164.470	6414.52	2984.03	-2760.44	1155.84	1670102.49	14276609.76	39°18'53.654"N	80°53'42.153"W	2992.65	157.280	6.66	-0.06	6.66	
9329.00	89.750	167.370	6415.09	3078.75	-2852.57	1178.94	1670125.58	14276517.66	39°18'52.743"N	80°53'41.861"W	3086.59	157.545	3.06	0.19	3.05	
9423.00	89.540	168.330	6415.67	3172.20	-2944.46	1198.73	1670145.36	14276425.81	39°18'51.834"N	80°53'41.610"W	3179.12	157.848	1.05	-0.22	1.02	
9518.00	89.420	172.530	6416.53	3266.05	-3038.11	1214.52	1670161.14	14276332.19	39°18'50.909"N	80°53'41.411"W	3271.88	158.210	4.42	-0.13	4.42	
9613.00	89.820	174.890	6417.16	3358.94	-3132.53	1224.93	1670171.55	14276237.81	39°18'49.975"N	80°53'41.280"W	3363.51	158.643	2.52	0.42	2.48	
9708.00	90.000	166.210	6417.31	3452.70	-3226.15	1240.51	1670187.12	14276144.22	39°18'49.050"N	80°53'41.083"W	3456.43	158.967	9.14	0.19	-9.14	
9804.00	89.970	158.730	6417.34	3548.62	-3317.63	1269.40	1670216.01	14276052.78	39°18'48.145"N	80°53'40.717"W	3552.19	159.062	7.79	-0.03	-7.79	
9900.00	89.820	156.260	6417.51	3644.37	-3406.31	1306.15	1670250.75	14275964.14	39°18'47.268"N	80°53'40.251"W	3648.15	159.021	2.58	-0.16	-2.57	
9995.00	89.940	157.460	6417.71	3739.04	-3493.67	1343.48	1670290.05	14275876.82	39°18'46.405"N	80°53'39.777"W	3743.08	158.966	1.27	0.13	1.26	



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793'
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REFERENCE WELLPATH IDENTIFICATION		Slot #07
Operator	ANTERO RESOURCES CORPORATION	Trust Unit 2H
Area	Ritchie County, WV	Trust Unit 2H AWP
Field	Ritchie	
Facility	Mulvay Pad	

WELLPATH DATA (192 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert.Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
10090.00	89.850	153.760	6417.98	3833.49	-3580.18	1382.70	1670329.26	14275790.35	39°18'45.549"N	80°53'39.279"W	3837.91	158.883	3.90	-0.09	-3.89	
10185.00	89.630	151.940	6418.32	3927.38	-3664.70	1426.05	1670372.59	14275705.85	39°18'44.713"N	80°53'38.729"W	3932.39	158.737	1.93	-0.23	-1.92	
10279.00	89.230	156.950	6419.25	4020.60	-3749.48	1466.58	1670413.11	14275621.11	39°18'43.875"N	80°53'38.215"W	4026.09	158.637	5.35	-0.43	5.33	
10374.00	89.880	162.780	6420.99	4115.51	-3838.63	1499.27	1670445.78	14275532.00	39°18'42.993"N	80°53'37.800"W	4121.03	158.666	6.17	0.68	6.14	
10469.00	89.660	159.970	6420.37	4210.50	-3928.64	1529.61	1670476.11	14275442.02	39°18'42.103"N	80°53'37.415"W	4216.91	158.727	2.97	-0.23	-2.96	
10564.00	88.980	159.990	6421.50	4305.46	-4017.90	1562.13	1670508.61	14275352.80	39°18'41.221"N	80°53'37.003"W	4310.89	158.754	0.72	-0.72	0.02	
10659.00	90.000	162.930	6422.34	4400.44	-4107.95	1592.33	1670538.80	14275262.78	39°18'40.330"N	80°53'36.620"W	4405.77	158.813	3.28	1.07	3.09	
10754.00	90.180	169.670	6422.20	4495.08	-4200.18	1614.90	1670561.36	14275170.59	39°18'39.419"N	80°53'36.334"W	4499.93	158.869	6.99	0.19	6.99	
10849.00	90.950	167.770	6421.26	4589.35	-4293.32	1633.56	1670580.02	14275077.49	39°18'38.498"N	80°53'36.098"W	4593.59	159.169	2.06	0.81	-1.89	
10944.00	90.920	162.710	6419.71	4684.12	-4385.14	1657.75	1670604.20	14274985.70	39°18'37.590"N	80°53'35.792"W	4688.03	159.291	5.33	-0.03	-5.33	
11039.00	90.120	162.860	6418.84	4779.10	-4475.88	1685.87	1670632.30	14274895.00	39°18'36.693"N	80°53'35.436"W	4782.85	159.361	0.86	-0.84	0.16	
11134.00	90.090	166.630	6418.67	4873.94	-4567.51	1710.86	1670657.28	14274803.40	39°18'35.787"N	80°53'35.119"W	4877.42	159.466	3.97	-0.03	3.97	
11228.00	90.180	164.970	6418.45	4967.69	-4658.84	1733.92	1670680.33	14274712.31	39°18'34.886"N	80°53'34.827"W	4970.85	159.585	1.77	0.10	-1.77	
11323.00	90.180	158.170	6418.15	5062.63	-4748.71	1763.93	1670710.34	14274622.28	39°18'33.995"N	80°53'34.447"W	5065.74	159.622	7.16	0.00	-7.16	
11417.00	90.060	158.770	6417.95	5156.49	-4836.15	1798.43	1670744.82	14274534.87	39°18'33.131"N	80°53'34.009"W	5159.72	159.601	0.65	-0.13	0.64	
11512.00	90.250	162.340	6417.70	5251.46	-4925.72	1830.05	1670776.43	14274445.34	39°18'32.245"N	80°53'33.608"W	5254.69	159.619	3.76	0.20	3.76	
11607.00	90.220	162.730	6417.31	5346.44	-5016.34	1858.56	1670804.93	14274354.76	39°18'31.349"N	80°53'33.247"W	5349.57	159.670	0.41	-0.03	0.41	
11702.00	90.280	161.830	6416.89	5441.43	-5106.83	1887.47	1670833.83	14274264.30	39°18'30.454"N	80°53'32.880"W	5444.47	159.716	0.95	0.06	-0.95	
11796.00	90.120	161.800	6416.56	5535.43	-5196.14	1916.81	1670863.15	14274175.03	39°18'29.571"N	80°53'32.508"W	5538.41	159.751	0.17	-0.17	-0.03	
11892.00	89.570	161.580	6416.82	5631.43	-5287.27	1946.97	1670893.30	14274083.93	39°18'28.670"N	80°53'32.126"W	5634.36	159.784	0.62	-0.57	-0.23	
11987.00	89.910	163.840	6417.25	5726.41	-5377.97	1975.20	1670921.52	14273993.27	39°18'27.773"N	80°53'31.768"W	5729.23	159.833	2.41	0.36	2.38	
12082.00	89.690	162.420	6417.59	5821.37	-5468.88	2002.77	1670949.08	14273902.40	39°18'26.874"N	80°53'31.419"W	5824.07	159.887	1.51	-0.23	-1.49	
12177.00	89.750	157.220	6418.05	5916.29	-5558.02	2035.53	1670981.83	14273813.29	39°18'25.993"N	80°53'31.004"W	5919.03	159.886	5.47	0.06	-5.47	
12272.00	89.420	159.250	6418.74	6011.12	-5646.24	2070.75	1671017.04	14273725.11	39°18'25.121"N	80°53'30.557"W	6013.99	159.860	2.16	-0.35	2.14	
12367.00	89.910	160.820	6419.29	6106.08	-5735.53	2103.19	1671049.46	14273635.86	39°18'24.238"N	80°53'30.146"W	6108.98	159.862	1.73	0.52	1.65	
12462.00	89.880	158.350	6419.47	6201.01	-5824.55	2136.32	1671082.58	14273546.87	39°18'23.358"N	80°53'29.725"W	6203.97	159.858	2.60	-0.03	-2.60	
12556.00	89.750	159.500	6419.77	6294.90	-5912.26	2170.13	1671116.37	14273459.19	39°18'22.490"N	80°53'29.297"W	6297.96	159.844	1.23	-0.14	1.22	
12651.00	89.820	164.000	6420.13	6389.88	-6002.46	2199.87	1671146.10	14273369.03	39°18'21.598"N	80°53'28.920"W	6392.88	159.872	4.74	0.07	4.74	
12746.00	89.970	163.490	6420.30	6484.81	-6093.66	2226.46	1671172.68	14273277.87	39°18'20.697"N	80°53'28.583"W	6487.67	159.929	0.56	0.16	-0.54	
12840.00	89.910	159.500	6420.40	6578.79	-6182.78	2256.29	1671202.50	14273188.78	39°18'19.816"N	80°53'28.205"W	6581.62	159.951	4.25	-0.06	-4.24	



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot #07
Area	Ritchie County, WV	Trust Unit 2H
Field	Ritchie	Trust Unit 2H AWB
Facility	Mulvay Pad	

WELLPATH DATA (192 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert.Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
12935.00	89.820	158.440	6420.63	6673.69	-6271.46	2290.38	1671236.57	14273100.15	39°18'18.939"N	80°53'27.772"W	6676.60	159.937	1.12	-0.09	-1.12	
13030.00	89.750	158.870	6420.98	6788.56	-6359.94	2324.96	1671271.14	14273011.70	39°18'18.064"N	80°53'27.334"W	6771.58	159.919	0.46	-0.07	0.45	
13125.00	89.780	159.090	6421.37	6863.46	-6448.62	2359.03	1671305.20	14272923.06	39°18'17.187"N	80°53'26.902"W	6866.56	159.906	0.23	0.03	0.23	
13219.00	89.690	160.330	6421.81	6957.40	-6536.78	2391.63	1671337.78	14272834.93	39°18'16.315"N	80°53'26.488"W	6960.56	159.904	1.32	-0.10	1.32	
13314.00	89.910	162.370	6422.14	7052.39	-6626.79	2422.01	1671368.15	14272744.96	39°18'15.425"N	80°53'26.103"W	7055.52	159.923	2.16	0.23	2.15	
13409.00	89.910	162.080	6422.29	7147.39	-6717.25	2451.01	1671397.14	14272654.53	39°18'14.531"N	80°53'25.736"W	7150.45	159.954	0.31	0.00	-0.31	
13504.00	89.970	162.110	6422.39	7242.38	-6807.65	2480.21	1671426.33	14272564.17	39°18'13.637"N	80°53'25.366"W	7245.38	159.982	0.07	0.06	0.03	
13599.00	89.970	162.180	6422.44	7337.38	-6898.07	2509.34	1671455.45	14272473.78	39°18'12.743"N	80°53'24.997"W	7340.31	160.010	0.07	0.00	0.07	
13694.00	89.910	162.810	6422.54	7432.37	-6988.67	2537.92	1671484.01	14272383.21	39°18'11.847"N	80°53'24.634"W	7435.23	160.042	0.67	-0.06	0.66	
13788.00	89.940	164.960	6422.66	7526.29	-7078.98	2564.01	1671510.09	14272292.95	39°18'10.954"N	80°53'24.304"W	7529.01	160.090	2.29	0.03	2.29	
13883.00	90.000	165.470	6422.71	7621.10	-7170.83	2588.25	1671534.32	14272201.13	39°18'10.046"N	80°53'23.997"W	7623.64	160.153	0.54	0.06	0.54	
13977.00	90.030	163.260	6422.68	7714.99	-7261.35	2613.58	1671559.65	14272110.65	39°18'09.151"N	80°53'23.676"W	7717.38	160.205	2.35	0.03	-2.35	
14072.00	89.630	160.920	6422.97	7809.98	-7351.74	2642.79	1671588.85	14272020.30	39°18'08.257"N	80°53'23.306"W	7812.32	160.228	2.50	-0.42	-2.46	
14166.00	89.850	160.850	6423.39	7903.97	-7440.55	2673.58	1671619.62	14271931.52	39°18'07.379"N	80°53'22.916"W	7906.31	160.235	0.25	0.23	-0.07	
14261.00	89.820	161.510	6423.67	7998.97	-7530.47	2704.22	1671650.25	14271841.63	39°18'06.490"N	80°53'22.527"W	8001.30	160.247	0.70	-0.03	0.69	
14356.00	89.880	162.650	6423.91	8093.96	-7620.86	2733.45	1671679.47	14271751.28	39°18'05.596"N	80°53'22.157"W	8096.25	160.268	1.20	0.06	1.20	
14451.00	89.910	161.800	6424.09	8188.96	-7711.32	2762.45	1671708.46	14271660.85	39°18'04.702"N	80°53'21.789"W	8191.20	160.291	0.90	0.03	-0.89	
14546.00	89.750	160.350	6424.37	8283.95	-7801.19	2793.26	1671739.26	14271571.03	39°18'03.813"N	80°53'21.399"W	8286.18	160.300	1.54	-0.17	-1.53	
14641.00	89.940	161.190	6424.63	8378.94	-7890.88	2824.55	1671770.53	14271481.37	39°18'02.926"N	80°53'21.002"W	8381.18	160.305	0.91	0.20	0.88	
14736.00	89.850	161.560	6424.80	8473.94	-7980.91	2854.89	1671800.86	14271391.38	39°18'02.038"N	80°53'20.618"W	8476.16	160.317	0.40	-0.09	0.39	
14831.00	89.850	161.370	6425.05	8568.94	-8070.98	2885.09	1671831.05	14271301.34	39°18'01.146"N	80°53'20.235"W	8571.14	160.330	0.20	0.00	-0.20	
14926.00	89.820	161.360	6425.32	8663.93	-8161.00	2915.45	1671861.39	14271211.36	39°18'00.256"N	80°53'19.850"W	8666.13	160.341	0.03	-0.03	-0.01	
15021.00	89.690	162.810	6425.73	8758.93	-8251.39	2944.67	1671890.60	14271121.00	39°17'59.362"N	80°53'19.480"W	8761.08	160.360	1.53	-0.14	1.53	
15116.00	89.820	164.020	6426.14	8853.88	-8342.44	2971.78	1671917.71	14271029.99	39°17'58.462"N	80°53'19.136"W	8855.94	160.393	1.28	0.14	1.27	
15211.00	89.910	163.330	6426.36	8948.82	-8433.61	2998.49	1671944.40	14270938.86	39°17'57.560"N	80°53'18.798"W	8950.79	160.428	0.73	0.09	-0.73	
15306.00	90.030	158.560	6426.41	9043.78	-8523.37	3029.49	1671975.39	14270849.13	39°17'56.673"N	80°53'18.405"W	9045.76	160.433	5.02	0.13	-5.02	
15400.00	89.690	156.230	6426.64	9137.52	-8610.15	3065.62	1672011.51	14270762.39	39°17'55.814"N	80°53'17.947"W	9139.62	160.402	2.50	-0.36	-2.48	
15496.00	89.880	158.220	6427.00	9233.23	-8698.66	3102.78	1672048.65	14270673.92	39°17'54.939"N	80°53'17.476"W	9235.47	160.369	2.08	0.20	2.07	
15591.00	89.820	162.790	6427.25	9328.19	-8788.19	3134.48	1672080.33	14270584.42	39°17'54.054"N	80°53'17.074"W	9330.44	160.370	4.81	-0.06	4.81	
15686.00	89.720	166.610	6427.63	9423.03	-8879.80	3159.54	1672105.39	14270492.85	39°17'53.148"N	80°53'16.757"W	9425.16	160.414	4.02	-0.11	4.02	



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793'
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04/05/2019

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot #07
Area	Ritchie County, WV	Trust Unit 2H
Field	Ritchie	Trust Unit 2H AWB
Facility	Mulvey Pad	

WELLPATH DATA (192 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	VertSect [ft]	North [ft]	East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15780.00	90.060	169.490	6427.81	9516.43	-8971.75	3179.00	1672124.84	14270400.93	39°17'52.239"N	80°53'16.510"W	9518.32	160.489	3.09	0.36	3.06	
15876.00	90.120	164.870	6427.66	9611.96	-9065.34	3200.30	1672146.13	14270307.39	39°17'51.314"N	80°53'16.241"W	9613.65	160.556	4.81	0.06	-4.81	
15970.00	89.540	159.540	6427.94	9705.92	-9154.80	3229.02	1672174.83	14270217.95	39°17'50.429"N	80°53'15.877"W	9707.57	160.572	5.70	-0.62	-5.67	
16065.00	90.000	157.870	6428.32	9800.79	-9243.31	3293.51	1672209.32	14270129.48	39°17'49.554"N	80°53'15.440"W	9802.52	160.554	1.82	0.48	-1.76	
16160.00	89.850	159.330	6428.45	9895.65	-9331.76	3298.18	1672243.97	14270041.07	39°17'48.679"N	80°53'15.000"W	9897.46	160.535	1.54	-0.16	1.54	
16255.00	89.570	159.900	6428.93	9990.59	-9420.81	3331.27	1672277.04	14269952.05	39°17'47.799"N	80°53'14.581"W	9992.45	160.526	0.67	-0.29	0.60	
16351.00	89.750	160.810	6429.50	10086.57	-9511.22	3363.54	1672309.30	14269861.68	39°17'46.905"N	80°53'14.172"W	10088.45	160.524	0.97	0.19	0.95	
16446.00	89.540	162.440	6430.08	10181.56	-9601.37	3393.49	1672339.24	14269771.56	39°17'46.013"N	80°53'13.792"W	10183.42	160.535	1.73	-0.22	1.72	
16541.00	89.630	165.280	6430.77	10276.48	-9692.62	3419.89	1672365.63	14269680.36	39°17'45.111"N	80°53'13.458"W	10278.25	160.565	2.99	0.09	2.99	
16636.00	89.850	165.350	6431.20	10371.28	-9784.51	3443.97	1672389.71	14269588.50	39°17'44.203"N	80°53'13.153"W	10372.93	160.609	0.24	0.23	0.07	
16731.00	90.220	160.920	6431.15	10466.22	-9875.40	3471.53	1672417.25	14269497.64	39°17'43.304"N	80°53'12.804"W	10467.81	160.632	4.68	0.39	-4.66	
16793.00	90.220	160.920	6430.91	10528.22	-9934.00	3491.80	1672437.51	14269439.07	39°17'42.725"N	80°53'12.547"W	10529.81	160.633	0.00	0.00	0.00	Projected MD at TD: 16793'

HOLE & CASING SECTIONS - Ref Wellbore: Trust Unit 2H AWB Ref Wellpath: Trust Unit 2H AWP Proj: 16793'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
20in Conductor	24.50	104.50	80.00	24.50	104.50	0.00	0.00	-0.23	0.04
17.5in Open Hole	104.50	559.50	455.00	104.50	559.49	-0.23	0.04	-2.78	0.96
13.375in Casing Surface	24.50	559.50	535.00	24.50	559.49	0.00	0.00	-2.78	0.96
12.25in Open Hole	559.50	2616.50	2057.00	559.49	2601.46	-2.78	0.96	149.05	138.16
9.625in Casing Intermediate	24.50	2616.50	2592.00	24.50	2601.46	0.00	0.00	149.05	138.16
8.75in Open Hole	2616.50	6003.50	3387.00	2601.46	5978.24	149.05	138.16	94.04	172.29
8.5in Open Hole	6003.50	16793.00	10789.50	5978.24	6430.91	94.04	172.29	-9934.00	3491.80
5.5in Casing Production	24.50	16793.00	16768.50	24.50	6430.91	0.00	0.00	-9934.00	3491.80



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #07
Area	Ritchie County, WV	Well	Trust Unit 2H
Field	Ritchie	Wellbore	Trust Unit 2H AWB
Facility	Mulway Pad		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Trust Unit 2H POE Rev-2	6386.00	-246.89	287.33	1669234.33	14279122.29	39°19'18.507"N	80°53'53.167"W	point
Trust Unit 2H BHL Plat	6409.00	-9949.63	3508.88	1672454.59	14269423.45	39°17'42.570"N	80°53'12.330"W	point
Trust Unit 2H BHL Rev-2	6409.00	-9939.98	3505.68	1672451.39	14269433.09	39°17'42.665"N	80°53'12.371"W	point
Trust Unit 2H LP Rev-2	6409.00	-385.84	333.47	1669280.45	14278983.40	39°19'17.433"N	80°53'52.582"W	point
Trust Unit 2H 25' L/R Hard Line	6500.00	-5162.91	1919.58	1670865.92	14274208.24	39°18'29.900"N	80°53'32.473"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: Trust Unit 2H AWB Ref Wellpath: Trust Unit 2H AWP Proj: 16793'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.50	5815.50	Gyrodata standard - Drop gyro or Multi-shot	05 Gyrodata MS Gyro <-8.3/4"> (100'-5806')	Trust Unit 2H AWB
5815.50	5917.50	ISCWSA MWD, Rev. 4 (Standard)	04 Directional ONE MWD <-8.3/4"> (5806')(5864'-5908')	Trust Unit 2H AWB
5917.50	16731.00	BHI AutoTrak Curve (Short)	06 BHI AT Curve <-8.1/2"> (5917.5')(5917'-16731')	Trust Unit 2H AWB
16731.00	16793.00	Blind Drilling (std)	Projection to bit	Trust Unit 2H AWB



Actual Wellpath Report

Trust Unit 2H AWP Proj: 16793'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #07
Area	Ritchie County, WV	Well	Trust Unit 2H
Field	Ritchie	Wellbore	Trust Unit 2H AWB
Facility	Mulvay Pad		

COMMENTS
<p>Wellpath general comments API: 47-085-10302-0000 BHI Job #: 8622956 Rig: Frontier 22 Duration: 06/25/2017-06/28/2017 Gyrodatta MS Gyro <8-3/4"> (100'-5806') Directional ONE MWD <8-3/4"> (5806')(5864'-5908') BHI AT Curve <8-1/2"> (5917.5')(5917'-16731') Middlesex: 6267' MD Burket: 6426' MD Tully: 6489' MD Marcellus POE: 6567' MD Projected MD at TD: 16793'</p>