



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 1 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Delaset
Scale	0.999601	Report Generated	2/13/2020 at 2:39:47 PM
Convergence at slot	0.08° East	Database	WA_MPL_EasternUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-3.12	-14.64	1675804.31	14347059.97	39°30'30.1560"N	80°52'28.3330"W
Facility Reference Pt			1675818.95	14347063.09	39°30'30.1867"N	80°52'28.1461"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 317 (RKB) to Facility Vertical Datum	25.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1089.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot #03)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	341.08°

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 2 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station																
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
0.00†	0.000	299.750	0.00	0.00	0.00	0.00	1675804.31	14347059.97	39°30'30.1560"N	80°52'28.3330"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	299.750	25.50	0.00	0.00	0.00	1675804.31	14347059.97	39°30'30.1560"N	80°52'28.3330"W	0.00	0.000	0.00	0.00	0.00	
110.50	0.880	299.750	110.50	0.49	0.32	-0.57	1675803.75	14347060.29	39°30'30.1592"N	80°52'28.3402"W	0.65	299.750	1.04	1.04	0.00	Gyrodata MS Gyro <12-1/4">(100'-2583')
210.50	0.540	305.460	210.49	1.45	0.98	-1.62	1675802.70	14347060.95	39°30'30.1657"N	80°52'28.3536"W	1.89	301.171	0.35	-0.34	5.71	
310.50	0.080	298.740	310.49	1.88	1.29	-2.06	1675802.25	14347061.25	39°30'30.1687"N	80°52'28.3593"W	2.43	301.932	0.46	-0.46	-6.72	
410.50	0.070	277.910	410.49	1.96	1.33	-2.18	1675802.13	14347061.30	39°30'30.1691"N	80°52'28.3608"W	2.56	301.288	0.03	-0.01	-20.83	
510.50	0.280	301.760	510.49	2.18	1.46	-2.45	1675801.86	14347061.43	39°30'30.1705"N	80°52'28.3643"W	2.86	300.842	0.22	0.21	23.85	
610.50	0.320	306.990	610.49	2.60	1.76	-2.88	1675801.43	14347061.73	39°30'30.1734"N	80°52'28.3698"W	3.38	301.416	0.05	0.04	5.23	
710.50	0.400	313.070	710.48	3.14	2.17	-3.36	1675800.95	14347062.14	39°30'30.1775"N	80°52'28.3758"W	4.00	302.815	0.09	0.08	6.08	
810.50	0.510	309.790	810.48	3.83	2.69	-3.96	1675800.36	14347062.66	39°30'30.1826"N	80°52'28.3835"W	4.79	304.206	0.11	0.11	-3.28	
910.50	0.670	321.950	910.47	4.76	3.44	-4.66	1675799.66	14347063.40	39°30'30.1900"N	80°52'28.3924"W	5.79	306.398	0.20	0.16	12.16	
1010.50	0.770	310.980	1010.47	5.89	4.34	-5.53	1675798.79	14347064.30	39°30'30.1989"N	80°52'28.4035"W	7.03	308.114	0.17	0.10	-10.97	
1110.50	1.170	322.660	1110.45	7.44	5.59	-6.65	1675797.66	14347065.56	39°30'30.2113"N	80°52'28.4178"W	8.69	310.027	0.44	0.40	11.68	
1210.50	1.420	316.420	1210.43	9.54	7.30	-8.13	1675796.19	14347067.26	39°30'30.2282"N	80°52'28.4366"W	10.92	311.922	0.29	0.25	-6.24	
1310.50	1.350	313.600	1310.40	11.71	9.01	-9.84	1675794.48	14347068.97	39°30'30.2452"N	80°52'28.4583"W	13.34	312.488	0.10	-0.07	-2.82	
1410.50	1.500	313.790	1410.37	13.92	10.73	-11.63	1675792.69	14347070.69	39°30'30.2622"N	80°52'28.4812"W	15.82	312.678	0.15	0.15	0.19	
1510.50	1.540	312.860	1510.33	16.27	12.55	-13.56	1675790.76	14347072.51	39°30'30.2802"N	80°52'28.5058"W	18.48	312.770	0.05	0.04	-0.93	
1610.50	1.540	313.640	1610.30	18.64	14.39	-15.52	1675788.80	14347074.35	39°30'30.2984"N	80°52'28.5308"W	21.16	312.831	0.02	0.00	0.78	
1710.50	1.610	306.010	1710.26	20.99	16.14	-17.63	1675786.69	14347076.10	39°30'30.3158"N	80°52'28.5576"W	23.90	312.477	0.22	0.07	-7.63	
1810.50	1.400	304.270	1810.22	23.11	17.65	-19.78	1675784.55	14347077.62	39°30'30.3308"N	80°52'28.5850"W	26.51	311.758	0.21	-0.21	-1.74	
1910.50	1.640	307.040	1910.19	25.28	19.20	-21.93	1675782.40	14347079.17	39°30'30.3461"N	80°52'28.6124"W	29.15	311.213	0.25	0.24	2.77	
2010.50	1.580	303.770	2010.15	27.56	20.83	-24.22	1675780.11	14347080.79	39°30'30.3622"N	80°52'28.6416"W	31.94	310.706	0.11	-0.06	-3.27	
2110.50	1.630	298.490	2110.11	29.70	22.28	-26.61	1675777.71	14347082.24	39°30'30.3765"N	80°52'28.6721"W	34.71	309.935	0.16	0.05	-5.28	
2210.50	1.620	293.000	2210.07	31.69	23.51	-29.16	1675775.16	14347083.47	39°30'30.3887"N	80°52'28.7046"W	37.46	308.873	0.16	-0.01	-5.49	
2310.50	1.650	291.230	2310.03	33.57	24.58	-31.81	1675772.52	14347084.54	39°30'30.3994"N	80°52'28.7383"W	40.20	307.700	0.06	0.03	-1.77	
2410.50	1.600	293.220	2409.99	35.43	25.65	-34.43	1675769.90	14347085.61	39°30'30.4100"N	80°52'28.7718"W	42.94	306.689	0.08	-0.05	1.99	
2510.50	1.670	290.010	2509.95	37.28	26.70	-37.08	1675767.25	14347086.66	39°30'30.4204"N	80°52'28.8056"W	45.70	305.757	0.12	0.07	-3.21	
2593.50	1.900	287.000	2592.91	38.85	27.52	-39.53	1675764.79	14347087.48	39°30'30.4285"N	80°52'28.8369"W	48.17	304.841	0.30	0.28	-3.63	
2656.50	1.690	296.070	2655.88	40.12	28.23	-41.37	1675762.96	14347088.19	39°30'30.4356"N	80°52'28.8603"W	50.08	304.312	0.56	-0.33	14.40	WFT EM <8-3/4">(2583')(2646'-6344')
2751.50	2.930	339.590	2750.80	43.54	31.12	-43.47	1675760.86	14347091.08	39°30'30.4642"N	80°52'28.8871"W	53.47	305.600	2.17	1.31	45.81	

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'
Page 3 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 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
2846.50	6.170	5.070	2845.50	50.63	38.49	-43.87	1675760.46	14347098.44	39°30'30.5370"N	80°52'28.8920"W	58.36	311.261	3.94	3.41	26.82	
2940.50	10.240	10.880	2938.52	62.50	51.73	-41.84	1675762.49	14347111.68	39°30'30.6678"N	80°52'28.8659"W	66.54	321.030	4.41	4.33	6.18	
3038.50	14.210	10.250	3034.28	80.57	72.13	-38.06	1675766.27	14347132.07	39°30'30.8694"N	80°52'28.8173"W	81.55	332.182	4.05	4.05	-0.64	
3132.50	17.190	11.110	3124.76	102.68	97.12	-33.33	1675771.00	14347157.05	39°30'31.1163"N	80°52'28.7565"W	102.68	341.059	3.18	3.17	0.91	
3227.50	17.950	19.580	3215.34	126.29	124.69	-25.72	1675778.61	14347184.61	39°30'31.3887"N	80°52'28.6589"W	127.31	348.347	2.81	0.80	8.92	
3321.50	19.680	27.230	3304.33	148.60	152.42	-13.62	1675790.70	14347212.33	39°30'31.6626"N	80°52'28.5040"W	153.03	354.895	3.20	1.84	8.14	
3416.50	22.370	35.390	3393.02	170.24	181.39	4.18	1675808.49	14347241.29	39°30'31.9487"N	80°52'28.2765"W	181.44	1.320	4.18	2.83	8.59	
3511.50	24.850	43.310	3480.08	190.09	210.67	28.35	1675832.65	14347270.55	39°30'32.2377"N	80°52'27.9675"W	212.56	7.665	4.23	2.61	8.34	
3606.50	27.500	46.270	3565.33	208.60	240.36	57.90	1675862.19	14347300.23	39°30'32.5307"N	80°52'27.5900"W	247.23	13.544	3.11	2.79	3.12	
3700.50	28.960	47.620	3648.15	226.77	270.70	90.39	1675894.67	14347330.56	39°30'32.8302"N	80°52'27.1749"W	285.40	18.466	1.70	1.55	1.44	
3795.50	30.030	52.820	3730.85	243.37	300.58	126.33	1675930.59	14347360.43	39°30'33.1250"N	80°52'26.7159"W	326.05	22.797	2.92	1.13	5.47	
3890.50	31.520	55.510	3812.48	257.49	329.01	165.74	1675969.99	14347388.84	39°30'33.4054"N	80°52'26.2125"W	368.40	26.737	2.13	1.57	2.83	
3984.50	31.050	53.050	3892.81	271.59	357.49	205.37	1676009.60	14347417.32	39°30'33.6864"N	80°52'25.7064"W	412.28	29.876	1.45	-0.50	-2.62	
4079.50	29.660	53.850	3974.79	286.14	386.09	243.93	1676048.15	14347445.90	39°30'33.9685"N	80°52'25.2139"W	456.69	32.285	1.52	-1.46	0.84	
4173.50	30.110	54.400	4056.29	299.79	413.53	281.88	1676086.08	14347473.34	39°30'34.2392"N	80°52'24.7292"W	500.47	34.280	0.56	0.48	0.59	
4268.50	29.560	52.520	4138.70	314.09	441.67	319.86	1676124.04	14347501.46	39°30'34.5167"N	80°52'24.2443"W	545.32	35.912	1.14	-0.58	-1.98	
4362.50	29.930	51.190	4220.31	329.45	470.47	356.53	1676160.70	14347530.25	39°30'34.8009"N	80°52'23.7759"W	590.30	37.155	0.80	0.39	-1.41	
4457.50	30.390	51.280	4302.45	345.65	500.36	393.75	1676197.90	14347560.13	39°30'35.0957"N	80°52'23.3005"W	636.70	38.200	0.49	0.48	0.09	
4555.50	30.450	52.360	4386.96	362.02	531.03	432.75	1676236.89	14347590.78	39°30'35.3983"N	80°52'22.8023"W	685.03	39.178	0.56	0.06	1.10	
4650.50	30.660	52.140	4468.77	377.61	560.59	470.94	1676275.06	14347620.34	39°30'35.6900"N	80°52'22.3146"W	732.15	40.032	0.25	0.22	-0.23	
4744.50	31.090	52.640	4549.45	393.06	590.03	509.15	1676313.26	14347649.76	39°30'35.9804"N	80°52'21.8265"W	779.34	40.792	0.53	0.46	0.53	
4839.50	30.690	53.590	4630.97	408.11	619.31	548.16	1676352.25	14347679.03	39°30'36.2692"N	80°52'21.3283"W	827.05	41.512	0.66	-0.42	1.00	
4934.50	29.870	51.590	4713.02	423.29	648.39	586.21	1676390.29	14347708.10	39°30'36.5562"N	80°52'20.8423"W	874.10	42.116	1.37	-0.86	-2.11	
5028.50	30.590	50.730	4794.23	439.42	678.08	623.07	1676427.13	14347737.78	39°30'36.8490"N	80°52'20.3715"W	920.87	42.579	0.89	0.77	-0.91	
5123.50	31.110	50.560	4875.79	456.42	708.97	660.73	1676464.78	14347768.65	39°30'37.1538"N	80°52'19.8904"W	969.13	42.983	0.56	0.55	-0.18	
5218.50	30.850	52.650	4957.24	472.73	739.34	699.05	1676503.08	14347799.01	39°30'37.4534"N	80°52'19.4009"W	1017.49	43.396	1.16	-0.27	2.20	
5312.50	30.720	53.970	5038.00	487.41	768.08	737.63	1676541.65	14347827.75	39°30'37.7370"N	80°52'18.9082"W	1064.92	43.841	0.73	-0.14	1.40	
5407.50	30.310	52.490	5119.84	502.19	796.95	776.27	1676580.27	14347856.60	39°30'38.0218"N	80°52'18.4147"W	1112.53	44.247	0.90	-0.43	-1.56	
5501.50	29.560	49.930	5201.30	518.12	826.32	812.83	1676616.82	14347885.96	39°30'38.3115"N	80°52'17.9477"W	1159.10	44.528	1.58	-0.80	-2.72	
5596.50	29.650	49.890	5283.90	535.07	856.55	848.73	1676652.71	14347916.17	39°30'38.6097"N	80°52'17.4890"W	1205.83	44.737	0.10	0.09	-0.04	

RECEIVED
Office of Oil and Gas
OCT 28 2020
WV Department of
Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 4 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station																
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
5690.50	30.090	50.860	5365.41	551.62	886.40	884.79	1676688.75	14347946.02	39°30'38.9043"N	80°52'17.0284"W	1252.42	44.948	0.70	0.47	1.03	
5787.50	30.510	52.970	5449.17	567.68	916.58	923.31	1676727.25	14347976.18	39°30'39.2020"N	80°52'16.5364"W	1301.01	45.210	1.18	0.43	2.18	
5881.50	29.630	52.520	5530.51	582.49	945.09	960.80	1676764.73	14348004.68	39°30'39.4832"N	80°52'16.0576"W	1347.71	45.472	0.97	-0.94	-0.48	
5976.50	30.040	49.860	5612.93	598.57	974.71	997.62	1676801.53	14348034.29	39°30'39.7755"N	80°52'15.5873"W	1394.74	45.665	1.46	0.43	-2.80	
6070.50	29.030	46.950	5694.71	616.42	1005.45	1032.27	1676836.17	14348065.02	39°30'40.0788"N	80°52'15.1446"W	1441.01	45.754	1.87	-1.07	-3.10	
6165.50	30.070	45.800	5777.36	636.00	1037.78	1066.18	1676870.07	14348097.33	39°30'40.3978"N	80°52'14.7114"W	1487.86	45.773	1.25	1.09	-1.21	
6260.50	32.160	45.230	5858.68	657.19	1072.18	1101.20	1676905.07	14348131.72	39°30'40.7373"N	80°52'14.2640"W	1536.95	45.765	2.22	2.20	-0.60	
6354.50	32.840	47.450	5937.97	678.32	1107.04	1137.74	1676941.59	14348166.56	39°30'41.0813"N	80°52'13.7972"W	1587.44	45.784	1.46	0.72	2.36	
6403.00	33.090	46.840	5978.66	689.03	1124.99	1157.08	1676960.93	14348184.51	39°30'41.2584"N	80°52'13.5500"W	1613.83	45.806	0.86	0.52	-1.26	BH AT Curve <8-1/2">(6354.5')(6403'-17734')
6484.00	32.820	45.260	6046.63	707.66	1155.56	1188.80	1676992.64	14348215.07	39°30'41.5602"N	80°52'13.1447"W	1657.88	45.812	1.11	-0.33	-1.95	
6579.00	32.990	28.810	6126.55	736.33	1196.43	1219.62	1677023.44	14348255.92	39°30'41.9636"N	80°52'12.7508"W	1708.48	45.550	9.39	0.18	-17.32	
6674.00	36.410	20.510	6204.68	775.54	1245.54	1241.98	1677045.79	14348305.01	39°30'42.4487"N	80°52'12.4646"W	1758.94	44.918	6.13	3.60	-8.74	
6768.00	40.410	8.550	6278.43	824.21	1301.90	1256.31	1677060.12	14348361.35	39°30'43.0055"N	80°52'12.2807"W	1809.21	43.979	8.96	4.26	-12.72	
6823.00†	44.875	2.807	6318.89	858.08	1338.94	1259.91	1677063.72	14348398.37	39°30'43.3716"N	80°52'12.2341"W	1838.52	43.258	10.76	8.12	-10.44	Middlesex: 6823' MD
6863.00	48.280	359.180	6346.39	885.39	1367.98	1260.39	1677064.20	14348427.40	39°30'43.6585"N	80°52'12.2274"W	1860.09	42.656	10.76	8.51	-9.07	
6958.00	57.580	356.400	6403.60	957.93	1443.62	1257.36	1677061.17	14348503.01	39°30'44.4062"N	80°52'12.2647"W	1914.41	41.055	10.06	9.79	-2.93	
6960.00†	57.752	356.322	6404.67	959.56	1445.31	1257.25	1677061.06	14348504.70	39°30'44.4228"N	80°52'12.2661"W	1915.62	41.019	9.19	8.58	-3.89	Burkett: 6960' MD
7006.00	61.710	354.610	6427.85	998.04	1484.90	1254.10	1677057.91	14348544.27	39°30'44.8142"N	80°52'12.3056"W	1943.63	40.183	9.19	8.61	-3.72	Tully: 7006' MD
7053.00	65.130	351.020	6448.88	1039.18	1526.58	1248.82	1677052.64	14348585.94	39°30'45.2262"N	80°52'12.3721"W	1972.31	39.285	9.98	7.28	-7.64	
7100.00	68.970	346.400	6467.21	1082.06	1569.00	1240.33	1677044.15	14348628.34	39°30'45.6456"N	80°52'12.4797"W	2000.04	38.327	12.19	8.17	-9.83	
7124.00†	71.225	345.032	6475.38	1104.55	1590.87	1234.76	1677038.58	14348650.20	39°30'45.8617"N	80°52'12.5503"W	2013.82	37.817	10.82	9.40	-5.70	Marcellus POE: 7124' MD
7148.00	73.490	343.700	6482.66	1127.38	1612.89	1228.60	1677032.42	14348672.21	39°30'46.0795"N	80°52'12.6286"W	2027.52	37.298	10.82	9.44	-5.55	
7243.00	82.040	346.210	6502.77	1219.91	1702.46	1204.55	1677008.38	14348761.75	39°30'46.9652"N	80°52'12.9337"W	2085.51	35.281	9.36	9.00	2.64	
7338.00	90.310	345.400	6509.11	1314.29	1794.28	1181.33	1676985.17	14348853.53	39°30'47.8729"N	80°52'13.2284"W	2148.25	33.360	8.75	8.71	-0.85	
7433.00	90.890	340.680	6508.11	1409.21	1885.12	1153.62	1676957.48	14348944.33	39°30'48.7711"N	80°52'13.5802"W	2210.09	31.465	5.01	0.61	-4.97	
7527.00	90.990	338.020	6506.57	1503.14	1973.06	1120.48	1676924.35	14349032.24	39°30'49.6407"N	80°52'14.0014"W	2269.01	29.592	2.83	0.11	-2.83	
7622.00	90.950	338.470	6504.96	1598.01	2061.28	1085.28	1676889.15	14349120.42	39°30'50.5131"N	80°52'14.4490"W	2329.52	27.767	0.48	-0.04	0.47	
7717.00	90.430	338.210	6503.82	1692.90	2149.56	1050.21	1676854.11	14349208.67	39°30'51.3862"N	80°52'14.8947"W	2392.40	26.039	0.61	-0.55	-0.27	
7812.00	90.400	339.150	6503.13	1787.81	2238.06	1015.68	1676819.58	14349297.13	39°30'52.2613"N	80°52'15.3338"W	2457.74	24.409	0.99	-0.03	0.99	
7907.00	90.370	338.620	6502.49	1882.74	2326.68	981.45	1676785.37	14349385.71	39°30'53.1376"N	80°52'15.7689"W	2525.21	22.871	0.56	-0.03	-0.56	

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 5 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 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
8001.00	90.400	339.660	6501.86	1976.68	2414.51	947.98	1676751.92	14349473.51	39°30'54.0062"N	80°52'16.1943"W	2593.94	21.436	1.11	0.03	1.11	
8096.00	90.680	341.990	6500.96	2071.67	2504.23	916.78	1676720.73	14349563.20	39°30'54.8934"N	80°52'16.5908"W	2666.77	20.107	2.47	0.29	2.45	
8191.00	90.400	343.400	6500.07	2166.62	2594.92	888.53	1676692.48	14349653.85	39°30'55.7901"N	80°52'16.9497"W	2742.83	18.902	1.51	-0.29	1.48	
8286.00	90.830	344.860	6499.05	2261.48	2686.30	862.55	1676666.52	14349745.19	39°30'56.6935"N	80°52'17.2794"W	2821.38	17.801	1.60	0.45	1.54	
8381.00	90.680	343.660	6497.80	2356.33	2777.72	836.78	1676640.76	14349836.58	39°30'57.5975"N	80°52'17.6066"W	2901.03	16.765	1.27	-0.16	-1.26	
8476.00	90.680	341.670	6496.67	2451.28	2868.40	808.48	1676612.47	14349927.22	39°30'58.4941"N	80°52'17.9660"W	2980.16	15.741	2.09	0.00	-2.09	
8570.00	90.430	339.690	6495.76	2545.27	2957.10	777.38	1676581.39	14350015.88	39°30'59.3711"N	80°52'18.3612"W	3057.57	14.729	2.12	-0.27	-2.11	
8665.00	90.620	337.470	6494.89	2640.17	3045.52	742.69	1676546.71	14350104.27	39°31'0.2456"N	80°52'18.8023"W	3134.77	13.705	2.35	0.20	-2.34	
8760.00	90.580	335.880	6493.89	2734.88	3132.75	705.08	1676509.11	14350191.47	39°31'1.1082"N	80°52'19.2806"W	3211.12	12.684	1.67	-0.04	-1.67	
8855.00	90.250	334.980	6493.20	2829.41	3219.15	665.58	1676469.63	14350277.83	39°31'1.9626"N	80°52'19.7830"W	3287.23	11.682	1.01	-0.35	-0.95	
8950.00	89.970	334.730	6493.02	2923.85	3305.15	625.21	1676429.28	14350363.79	39°31'2.8131"N	80°52'20.2965"W	3363.76	10.712	0.40	-0.29	-0.26	
9045.00	90.120	335.340	6492.95	3018.32	3391.27	585.12	1676389.20	14350449.88	39°31'3.6649"N	80°52'20.8066"W	3441.38	9.789	0.66	0.16	0.64	
9140.00	90.220	336.830	6492.66	3112.96	3478.11	546.61	1676350.70	14350536.69	39°31'4.5237"N	80°52'21.2964"W	3520.80	8.931	1.57	0.11	1.57	
9235.00	90.250	338.240	6492.27	3207.77	3565.90	510.31	1676314.42	14350624.44	39°31'5.3919"N	80°52'21.7580"W	3602.23	8.144	1.48	0.03	1.48	
9330.00	90.340	340.230	6491.79	3302.72	3654.72	476.63	1676280.75	14350713.23	39°31'6.2702"N	80°52'22.1862"W	3685.67	7.430	2.10	0.09	2.09	
9424.00	90.000	341.190	6491.51	3396.71	3743.44	445.58	1676249.71	14350801.91	39°31'7.1475"N	80°52'22.5808"W	3769.87	6.788	1.08	-0.36	1.02	
9519.00	90.250	343.630	6491.30	3491.68	3833.99	416.87	1676221.02	14350892.43	39°31'8.0428"N	80°52'22.9455"W	3856.59	6.205	2.58	0.26	2.57	
9614.00	90.490	343.830	6490.69	3586.58	3925.19	390.26	1676194.41	14350983.58	39°31'8.9445"N	80°52'23.2835"W	3944.54	5.678	0.33	0.25	0.21	
9709.00	90.550	341.590	6489.82	3681.53	4015.88	362.02	1676166.19	14351074.24	39°31'9.8413"N	80°52'23.6421"W	4032.17	5.151	2.36	0.06	-2.36	
9804.00	90.370	341.240	6489.06	3776.52	4105.93	331.75	1676135.93	14351164.25	39°31'10.7316"N	80°52'24.0268"W	4119.31	4.619	0.41	-0.19	-0.37	
9899.00	89.570	341.350	6489.11	3871.52	4195.91	301.28	1676105.47	14351254.20	39°31'11.6214"N	80°52'24.4139"W	4206.71	4.107	0.85	-0.84	0.12	
9994.00	90.250	342.560	6489.26	3966.51	4286.23	271.85	1676076.06	14351344.49	39°31'12.5145"N	80°52'24.7878"W	4294.85	3.629	1.46	0.72	1.27	
10088.00	90.370	343.550	6488.75	4060.45	4376.15	244.46	1676048.67	14351434.37	39°31'13.4035"N	80°52'25.1358"W	4382.97	3.197	1.06	0.13	1.05	
10183.00	90.180	344.270	6488.30	4155.33	4467.43	218.13	1676022.36	14351525.61	39°31'14.3060"N	80°52'25.4701"W	4472.75	2.795	0.78	-0.20	0.76	
10278.00	90.310	345.410	6487.89	4250.13	4559.12	193.29	1675997.52	14351617.26	39°31'15.2126"N	80°52'25.7855"W	4563.21	2.428	1.21	0.14	1.20	
10373.00	90.710	346.730	6487.04	4344.76	4651.32	170.42	1675974.66	14351709.43	39°31'16.1241"N	80°52'26.0757"W	4654.44	2.098	1.45	0.42	1.39	
10468.00	90.490	345.080	6486.05	4439.42	4743.45	147.29	1675951.54	14351801.52	39°31'17.0350"N	80°52'26.3692"W	4745.74	1.778	1.75	-0.23	-1.74	
10563.00	90.580	342.750	6485.16	4534.29	4834.72	120.97	1675925.23	14351892.75	39°31'17.9375"N	80°52'26.7034"W	4836.23	1.433	2.45	0.09	-2.45	
10658.00	90.490	341.580	6484.27	4629.27	4925.15	91.87	1675896.15	14351983.15	39°31'18.8316"N	80°52'27.0731"W	4926.01	1.069	1.24	-0.09	-1.23	
10753.00	90.490	339.480	6483.46	4724.25	5014.71	60.21	1675864.50	14352072.67	39°31'19.7172"N	80°52'27.4755"W	5015.07	0.688	2.21	0.00	-2.21	

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 OCT 28 2020



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'
Page 6 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 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
10848.00	90.520	338.410	6482.62	4819.18	5103.36	26.08	1675830.39	14352161.29	39°31'20.5938"N	80°52'27.9094"W	5103.43	0.293	1.13	0.03	-1.13	
10942.00	90.120	338.130	6482.10	4913.07	5190.68	-8.72	1675795.60	14352248.57	39°31'21.4573"N	80°52'28.3520"W	5190.69	359.904	0.52	-0.43	-0.30	
11037.00	89.630	337.250	6482.31	5007.90	5278.57	-44.78	1675759.55	14352336.42	39°31'22.3264"N	80°52'28.8106"W	5278.76	359.514	1.06	-0.52	-0.93	
11132.00	90.180	338.220	6482.46	5102.74	5366.48	-80.78	1675723.57	14352424.30	39°31'23.1958"N	80°52'29.2684"W	5367.09	359.138	1.17	0.58	1.02	
11227.00	90.430	337.850	6481.96	5197.60	5454.59	-116.31	1675688.05	14352512.37	39°31'24.0670"N	80°52'29.7202"W	5455.83	358.778	0.47	0.26	-0.39	
11322.00	90.520	336.580	6481.17	5292.38	5542.17	-153.10	1675651.28	14352599.92	39°31'24.9331"N	80°52'30.1882"W	5544.28	358.418	1.34	0.09	-1.34	
11417.00	89.690	336.140	6481.00	5387.06	5629.19	-191.19	1675613.20	14352686.91	39°31'25.7938"N	80°52'30.6727"W	5632.44	358.055	0.99	-0.87	-0.46	
11512.00	89.910	337.590	6481.33	5481.80	5716.55	-228.52	1675575.89	14352774.23	39°31'26.6577"N	80°52'31.1475"W	5721.12	357.711	1.54	0.23	1.53	
11607.00	90.280	338.230	6481.17	5576.65	5804.58	-264.24	1675540.18	14352862.22	39°31'27.5281"N	80°52'31.6018"W	5810.59	357.394	0.78	0.39	0.67	
11702.00	90.280	339.360	6480.71	5671.57	5893.14	-298.60	1675505.83	14352950.75	39°31'28.4039"N	80°52'32.0388"W	5900.70	357.099	1.19	0.00	1.19	
11797.00	90.120	339.670	6480.38	5766.53	5982.13	-331.85	1675472.60	14353039.71	39°31'29.2839"N	80°52'32.4614"W	5991.33	356.825	0.37	-0.17	0.33	
11892.00	90.310	339.690	6480.02	5861.51	6071.22	-364.84	1675439.62	14353128.76	39°31'30.1648"N	80°52'32.8809"W	6082.17	356.561	0.20	0.20	0.02	
11987.00	90.030	340.290	6479.74	5956.49	6160.49	-397.35	1675407.13	14353217.99	39°31'31.0475"N	80°52'33.2941"W	6173.29	356.310	0.70	-0.29	0.63	
12081.00	89.820	344.400	6479.86	6050.44	6250.04	-425.85	1675378.64	14353307.51	39°31'31.9330"N	80°52'33.6563"W	6264.53	356.102	4.38	-0.22	4.37	
12176.00	90.280	348.010	6479.78	6145.05	6342.28	-448.50	1675356.00	14353399.71	39°31'32.8450"N	80°52'33.9437"W	6358.12	355.955	3.83	0.48	3.80	
12271.00	90.280	351.170	6479.31	6238.99	6435.71	-465.66	1675338.84	14353493.10	39°31'33.7685"N	80°52'34.1611"W	6452.53	355.862	3.33	0.00	3.33	
12366.00	90.800	350.990	6478.42	6332.54	6529.55	-480.39	1675324.12	14353586.91	39°31'34.6962"N	80°52'34.3474"W	6547.20	355.792	0.58	0.55	-0.19	
12461.00	91.630	347.180	6476.40	6426.58	6622.80	-498.37	1675306.14	14353680.11	39°31'35.6180"N	80°52'34.5752"W	6641.52	355.697	4.10	0.87	-4.01	
12556.00	91.880	344.680	6473.49	6521.18	6714.90	-521.45	1675283.07	14353772.18	39°31'36.5286"N	80°52'34.8682"W	6735.11	355.560	2.64	0.26	-2.63	
12651.00	90.370	341.270	6471.63	6616.10	6805.70	-549.26	1675255.28	14353862.94	39°31'37.4264"N	80°52'35.2214"W	6827.83	355.386	3.92	-1.59	-3.59	
12745.00	90.400	339.730	6470.99	6710.09	6894.30	-580.63	1675223.91	14353951.51	39°31'38.3025"N	80°52'35.6203"W	6918.71	355.186	1.64	0.03	-1.64	
12840.00	90.430	339.210	6470.31	6805.05	6983.27	-613.95	1675190.61	14354040.44	39°31'39.1822"N	80°52'36.0439"W	7010.20	354.976	0.55	0.03	-0.55	
12935.00	90.460	338.160	6469.57	6899.96	7071.76	-648.48	1675156.09	14354128.90	39°31'40.0574"N	80°52'36.4830"W	7101.43	354.761	1.11	0.03	-1.11	
13030.00	89.970	336.850	6469.21	6994.77	7159.53	-684.83	1675119.76	14354216.63	39°31'40.9253"N	80°52'36.9453"W	7192.21	354.536	1.47	-0.52	-1.38	
13125.00	90.310	337.990	6468.98	7089.58	7247.25	-721.30	1675083.30	14354304.31	39°31'41.7927"N	80°52'37.4093"W	7283.05	354.316	1.25	0.36	1.20	
13220.00	89.910	337.700	6468.80	7184.42	7335.23	-757.13	1675047.49	14354392.27	39°31'42.6628"N	80°52'37.8650"W	7374.20	354.107	0.52	-0.42	-0.31	
13314.00	89.510	338.330	6469.27	7278.29	7422.40	-792.32	1675012.31	14354479.39	39°31'43.5247"N	80°52'38.3126"W	7464.57	353.907	0.79	-0.43	0.67	
13409.00	89.630	340.410	6469.99	7373.24	7511.30	-825.79	1674978.86	14354568.26	39°31'44.4038"N	80°52'38.7382"W	7556.55	353.726	2.19	0.13	2.19	
13504.00	89.750	342.430	6470.50	7468.23	7601.34	-856.05	1674948.60	14354658.26	39°31'45.2941"N	80°52'39.1229"W	7649.39	353.574	2.13	0.13	2.13	
13599.00	89.910	342.760	6470.78	7563.20	7691.99	-884.47	1674920.20	14354748.88	39°31'46.1904"N	80°52'39.4839"W	7742.67	353.441	0.39	0.17	0.35	

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'
Page 7 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 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
13694.00	90.060	344.720	6470.81	7658.09	7783.19	-911.07	1674893.61	14354840.04	39°31'47.0921"N	80°52'39.8218"W	7836.33	353.324	2.07	0.16	2.06	
13789.00	89.820	344.700	6470.91	7752.90	7874.82	-936.12	1674868.57	14354931.64	39°31'47.9981"N	80°52'40.1399"W	7930.27	353.221	0.25	-0.25	-0.02	
13883.00	90.370	345.660	6470.75	7846.66	7965.69	-960.16	1674844.53	14355022.47	39°31'48.8965"N	80°52'40.4452"W	8023.35	353.127	1.18	0.59	1.02	
13978.00	90.490	344.460	6470.04	7941.42	8057.48	-984.65	1674820.05	14355114.22	39°31'49.8040"N	80°52'40.7562"W	8117.42	353.033	1.27	0.13	-1.26	
14073.00	90.280	341.400	6469.40	8036.36	8148.28	-1012.54	1674792.18	14355204.99	39°31'50.7018"N	80°52'41.1105"W	8210.95	352.917	3.23	-0.22	-3.22	
14168.00	90.250	340.460	6468.96	8131.36	8238.06	-1043.58	1674761.16	14355294.73	39°31'51.5896"N	80°52'41.5050"W	8303.90	352.780	0.99	-0.03	-0.99	
14263.00	90.370	336.440	6468.45	8226.24	8326.40	-1078.46	1674726.28	14355383.04	39°31'52.4631"N	80°52'41.9488"W	8395.96	352.620	4.23	0.13	-4.23	
14358.00	90.090	334.260	6468.06	8320.76	8412.74	-1118.08	1674686.68	14355469.34	39°31'53.3170"N	80°52'42.4529"W	8486.71	352.430	2.31	-0.29	-2.29	
14452.00	90.060	333.460	6467.94	8414.01	8497.13	-1159.49	1674645.28	14355553.69	39°31'54.1515"N	80°52'42.9800"W	8575.87	352.230	0.85	-0.03	-0.85	
14547.00	90.280	334.500	6467.66	8508.28	8582.50	-1201.17	1674603.63	14355639.03	39°31'54.9958"N	80°52'43.5104"W	8666.14	352.033	1.12	0.23	1.09	
14642.00	90.150	336.090	6467.30	8602.79	8668.80	-1240.87	1674563.94	14355725.29	39°31'55.8493"N	80°52'44.0156"W	8757.16	351.854	1.68	-0.14	1.67	
14737.00	89.570	338.380	6467.54	8697.57	8756.39	-1277.63	1674527.20	14355812.85	39°31'56.7155"N	80°52'44.4832"W	8849.11	351.699	2.49	-0.61	2.41	
14832.00	89.350	340.510	6468.43	8792.52	8845.33	-1310.98	1674493.86	14355901.76	39°31'57.5950"N	80°52'44.9074"W	8941.96	351.569	2.25	-0.23	2.24	
14927.00	89.420	344.300	6469.45	8887.47	8935.87	-1339.69	1674465.16	14355992.26	39°31'58.4901"N	80°52'45.2722"W	9035.73	351.474	3.99	0.07	3.99	
15022.00	90.400	345.400	6469.60	8982.27	9027.56	-1364.52	1674440.34	14356083.92	39°31'59.3967"N	80°52'45.5875"W	9130.10	351.405	1.55	1.03	1.16	
15117.00	90.370	341.680	6468.96	9077.16	9118.65	-1391.43	1674413.44	14356174.97	39°32'0.2973"N	80°52'45.9295"W	9224.20	351.324	3.92	-0.03	-3.92	
15212.00	90.060	342.070	6468.61	9172.15	9208.94	-1420.99	1674383.90	14356265.22	39°32'1.1900"N	80°52'46.3051"W	9317.92	351.228	0.52	-0.33	0.41	
15306.00	90.460	342.240	6468.18	9266.13	9298.41	-1449.79	1674355.10	14356354.66	39°32'2.0747"N	80°52'46.6712"W	9410.76	351.138	0.46	0.43	0.18	
15401.00	90.800	342.030	6467.13	9361.11	9388.83	-1478.93	1674325.97	14356445.04	39°32'2.9687"N	80°52'47.0416"W	9504.59	351.048	0.42	0.36	-0.22	
15496.00	90.280	340.160	6466.24	9456.10	9478.69	-1509.71	1674295.21	14356534.87	39°32'3.8573"N	80°52'47.4329"W	9598.17	350.950	2.04	-0.55	-1.97	
15591.00	91.110	339.800	6465.09	9551.08	9567.95	-1542.23	1674262.70	14356624.08	39°32'4.7398"N	80°52'47.8464"W	9691.44	350.843	0.95	0.87	-0.38	
15686.00	90.220	338.270	6463.98	9646.00	9656.65	-1576.22	1674228.73	14356712.75	39°32'5.6169"N	80°52'48.2787"W	9784.44	350.730	1.86	-0.94	-1.61	
15781.00	90.770	339.250	6463.16	9740.92	9745.19	-1610.63	1674194.33	14356801.25	39°32'6.4925"N	80°52'48.7164"W	9877.39	350.615	1.18	0.58	1.03	
15876.00	90.490	339.560	6462.12	9835.87	9834.11	-1644.05	1674160.93	14356890.14	39°32'7.3717"N	80°52'49.1414"W	9970.59	350.509	0.44	-0.29	0.33	
15971.00	90.060	339.930	6461.66	9930.85	9923.24	-1676.93	1674128.05	14356979.23	39°32'8.2530"N	80°52'49.5597"W	10063.93	350.408	0.60	-0.45	0.39	
16066.00	90.770	341.800	6460.97	10025.84	10012.98	-1708.07	1674096.92	14357068.94	39°32'9.1404"N	80°52'49.9556"W	10157.62	350.319	2.11	0.75	1.97	
16161.00	90.310	342.640	6460.08	10120.82	10103.44	-1737.08	1674067.93	14357159.36	39°32'10.0348"N	80°52'50.3243"W	10251.68	350.245	1.01	-0.48	0.88	
16255.00	90.710	346.240	6459.24	10214.63	10193.97	-1762.29	1674042.73	14357249.86	39°32'10.9299"N	80°52'50.6445"W	10345.18	350.192	3.85	0.43	3.83	
16350.00	90.950	347.130	6457.87	10309.17	10286.41	-1784.17	1674020.86	14357342.26	39°32'11.8438"N	80°52'50.9222"W	10439.99	350.160	0.97	0.25	0.94	
16445.00	90.920	346.010	6456.32	10403.72	10378.80	-1806.23	1673998.81	14357434.61	39°32'12.7572"N	80°52'51.2022"W	10534.79	350.128	1.18	-0.03	-1.18	

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'
Page 8 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station																
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
16540.00	90.800	345.070	6454.89	10498.42	10470.78	-1829.95	1673975.10	14357526.55	39°32'13.6665"N	80°52'51.5034"W	10629.48	350.087	1.00	-0.13	-0.99	
16635.00	90.890	342.820	6453.49	10593.29	10562.06	-1856.22	1673948.84	14357617.79	39°32'14.5690"N	80°52'51.8371"W	10723.92	350.032	2.37	0.09	-2.37	
16729.00	90.620	339.440	6452.25	10687.26	10650.98	-1886.61	1673918.46	14357706.69	39°32'15.4483"N	80°52'52.2235"W	10816.78	349.955	3.61	-0.29	-3.60	
16824.00	90.310	337.490	6451.48	10782.16	10739.34	-1921.48	1673883.60	14357795.01	39°32'16.3220"N	80°52'52.6671"W	10909.89	349.856	2.08	-0.33	-2.05	
16919.00	90.340	339.850	6450.94	10877.06	10827.83	-1956.03	1673849.07	14357883.46	39°32'17.1970"N	80°52'53.1066"W	11003.09	349.760	2.48	0.03	2.48	
17014.00	90.310	339.820	6450.40	10972.04	10917.00	-1988.78	1673816.33	14357972.60	39°32'18.0788"N	80°52'53.5231"W	11096.68	349.675	0.04	-0.03	-0.03	
17109.00	90.310	342.380	6449.89	11067.03	11006.87	-2019.55	1673785.57	14358062.43	39°32'18.9674"N	80°52'53.9143"W	11190.61	349.603	2.69	0.00	2.69	
17203.00	90.370	343.770	6449.33	11160.97	11096.80	-2046.91	1673758.22	14358152.32	39°32'19.8565"N	80°52'54.2621"W	11284.01	349.549	1.48	0.06	1.48	
17298.00	90.460	345.140	6448.64	11255.80	11188.32	-2072.37	1673732.77	14358243.81	39°32'20.7614"N	80°52'54.5855"W	11378.63	349.506	1.45	0.09	1.44	
17393.00	90.650	346.240	6447.72	11350.49	11280.37	-2095.85	1673709.30	14358335.82	39°32'21.6714"N	80°52'54.8837"W	11473.41	349.475	1.17	0.20	1.16	
17488.00	90.520	345.240	6446.75	11445.17	11372.43	-2119.25	1673685.91	14358427.85	39°32'22.5816"N	80°52'55.1808"W	11568.21	349.444	1.06	-0.14	-1.05	
17583.00	90.460	342.530	6445.94	11540.04	11463.69	-2145.62	1673659.56	14358519.06	39°32'23.4838"N	80°52'55.5158"W	11662.75	349.399	2.85	-0.06	-2.85	
17677.00	90.490	340.350	6445.16	11634.03	11552.79	-2175.53	1673629.65	14358608.13	39°32'24.3649"N	80°52'55.8962"W	11755.85	349.335	2.32	0.03	-2.32	
17734.00	90.580	339.200	6444.63	11691.01	11606.27	-2195.24	1673609.96	14358661.59	39°32'24.8937"N	80°52'56.1468"W	11812.05	349.289	2.02	0.16	-2.02	
17758.00†	90.580	339.200	6444.38	11715.00	11628.71	-2203.76	1673601.44	14358684.02	39°32'25.1155"N	80°52'56.2552"W	11835.68	349.269	0.00	0.00	0.00	Projected MD at TD: 17758'

RECEIVED
 Office of Oil and Gas
 OCT 28 2020
 WV Department of
 Environmental Protection



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 9 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

HOLE & CASING SECTIONS - Ref Wellbore: Sisterville Unit 1H AWB Ref Wellpath: Sisterville Unit 1H AWP Proj: 17758'									
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	25.50	105.50	80.00	25.50	105.50	0.00	0.00	0.29	-0.50
17.5in Open Hole	105.50	406.50	301.00	105.50	406.49	0.29	-0.50	1.33	-2.18
13.375in Casing Surface	25.50	406.50	381.00	25.50	406.49	0.00	0.00	1.33	-2.18
12.25in Open Hole	406.50	2590.50	2184.00	406.49	2589.91	1.33	-2.18	27.49	-39.44
9.625in Casing Intermediate	25.50	2590.50	2565.00	25.50	2589.91	0.00	0.00	27.49	-39.44
8.75in Open Hole	2590.50	6427.50	3837.00	2589.91	5999.19	27.49	-39.44	1134.17	1166.79
8.5in Open Hole	6427.50	17758.00	11330.50	5999.19	6444.38	1134.17	1166.79	11628.71	-2203.76
5.5in Casing Production	25.50	17758.00	17732.50	25.50	6444.38	0.00	0.00	11628.71	-2203.76

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Sisterville Unit 1H - POE - Rev-2	6476.00	1583.42	1216.25	1677020.08	14348642.75	39°30'45.7884"N	80°52'12.7866"W	point
Sisterville Unit 1H - BHL - Rev-2	6509.00	11615.10	-2222.90	1673582.31	14358670.41	39°32'24.9813"N	80°52'56.4997"W	point
Sisterville Unit 1H - LP - Rev-2	6509.00	1764.70	1154.10	1676957.95	14348823.96	39°30'47.5810"N	80°52'13.5763"W	point
Sisterville Unit 1H - 50' L/R Hardline	6550.00	6599.25	-503.32	1675301.20	14353656.58	39°31'35.3854"N	80°52'34.6388"W	rectangle
2D Rectangle 10608.6 x 100.								

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 OCT 28 2020



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 10 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

WELLPATH COMPOSITION - Ref Wellbore: Sisterville Unit 1H AWB Ref Wellpath: Sisterville Unit 1H AWP Proj: 17758'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	2593.50	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <12-1/4">(100'-2583')	Sisterville Unit 1H AWB	1/2/2020
2593.50	6354.50	OWSG MWD rev2 + HRGM	02 WFT EM <8-3/4">(2583')(2646'-6344')	Sisterville Unit 1H AWB	1/2/2020
6354.50	17758.00	BH AutoTrak Curve (2019) (Short spacing)	03 BH AT Curve <8-1/2">(6354.5')(6403'-17734')	Sisterville Unit 1H AWB	2/3/2020

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 OCT 28 2020



Actual Wellpath Report

Sisterville Unit 1H AWP Proj: 17758'

Page 11 of 11



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Sisterville Unit 1H
Field	Tyler	API	47-095-02618-0000
Facility	State Ridge Pad	Wellbore	Sisterville Unit 1H AWB
Slot	Slot #03		

COMMENTS

Wellpath general comments

API: 47-095-02618-0000

BHI Job #: 110259312A

Rig: H&P 317

Duration: 02/04/2020-02/06/2020

Gyrodata MS Gyro <12-1/4">(100'-2583')

WFT EM <8-3/4">(2583')(2646'-6344')

BH AT Curve <8-1/2">(6354.5')(6403'-17734')

Middlesex: 6823' MD

Burkett: 6960' MD

Tully: 7006' MD

Marcellus POE: 7124' MD

Projected MD at TD: 17758'

RECEIVED
Office of Oil and Gas
OCT 28 2020
WV Department of
Environmental Protection