



ANTERO RESOURCES CORPORATION

Area: Wetzel County, WV
Field: Wetzel
Facility: Galmish Pad
Slot: Slot K

Well: Bucher Unit 1H
UWI: 47-103-03735-0000
Wellbore: Bucher Unit 1H PWB
Wellpath: Bucher Unit 1H PWP Rev-B.0

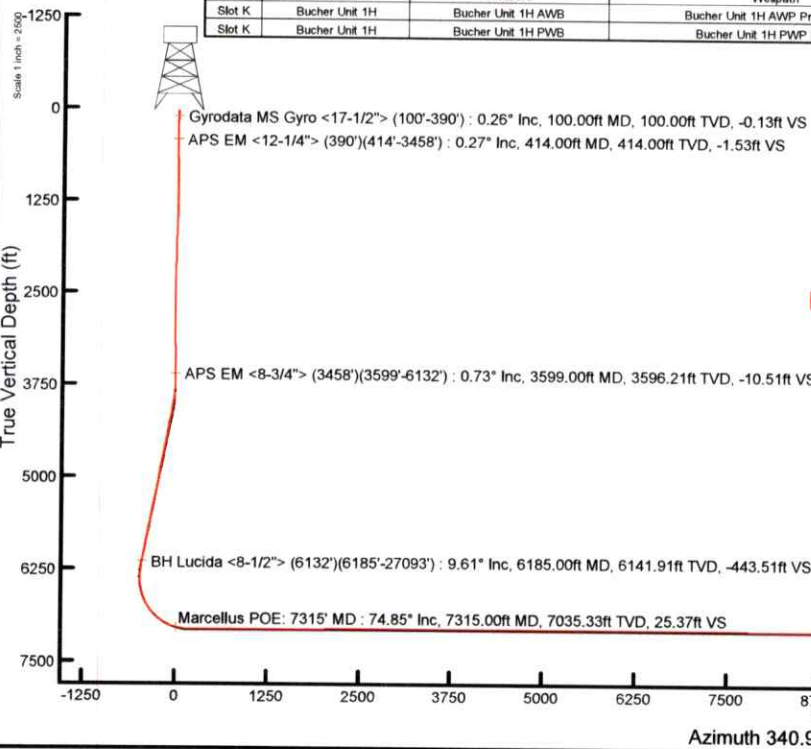


Plot reference wellpath is Bucher Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 1191 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot K): -1161 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsway on 2025-10-28; Database: WA_MPL_EASTERNUS_Defn

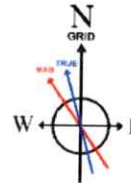
Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Galmish Pad	1726216.430	14372266.790	39°34'38.1900N	80°41'43.8200W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot K	257.52	-147.30	1726069.190	14372524.210
Comment	Bucher Unit 1H			
H&P 519 (RKB) to Ground level (At Slot: Slot K)	30ft			
Mean Sea Level to Ground level (At Slot: Slot K)	-1161ft			
H&P 519 (RKB) to Mean Sea Level	1191ft			

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3458.00	1.010	325.250	3455.23	2.98	47.13	0.24	-12.54
Proj. to Bottom	3533.00	1.010	325.250	3530.22	4.07	46.37	0.00	-11.26
KOP 1	3613.00	1.010	325.250	3610.20	5.23	45.57	0.00	-9.91
End of 3D Arc	4221.75	11.216	164.253	4215.38	-47.54	58.63	2.00	-64.05
Curve KOP	6265.55	11.216	164.253	6220.14	-430.15	166.51	0.00	-460.93
POE	7325.81	73.926	330.211	7043.00	-7.05	-111.26	8.00	29.59
Landing Pt.	7526.74	90.000	330.211	7071.00	165.04	-209.78	8.00	224.40
On AZI	7885.58	90.000	340.976	7071.00	491.34	-357.84	3.00	581.14
BHL	27177.34	90.000	340.976	7071.00	18729.44	-6646.21	0.00	19872.89

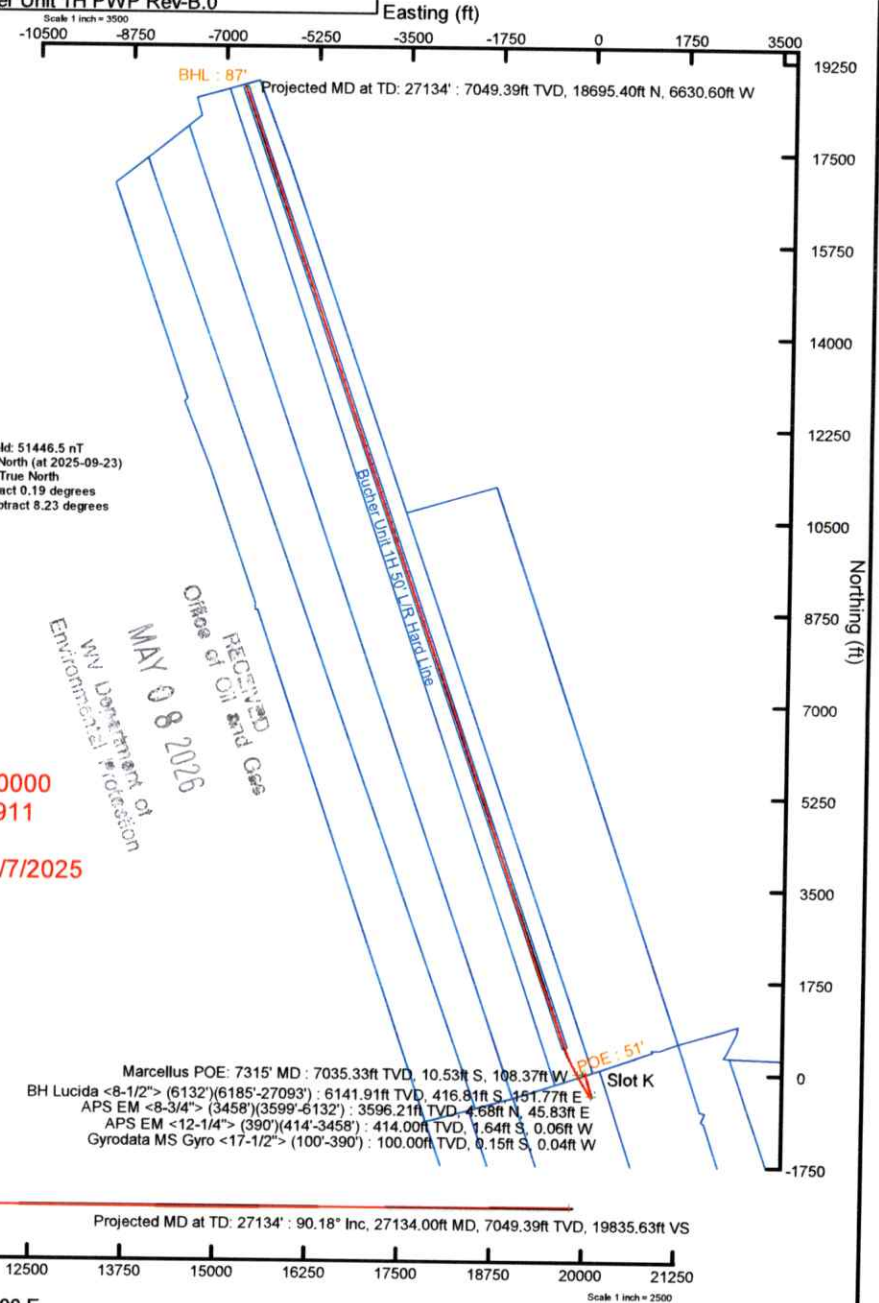
Well Data			
Slot	Well	Wellbore	Wellpath
Slot K	Bucher Unit 1H	Bucher Unit 1H AWB	Bucher Unit 1H AWP Proj: 27134'
Slot K	Bucher Unit 1H	Bucher Unit 1H PWB	Bucher Unit 1H PWP Rev-B.0



API: 47-103-03735-0000
BH Job #: 112788911
Rig: H&P 519
Duration: 9/27/2025-10/7/2025



User specified (HDGM) Dip: 66.17° Field: 51446.5 nT
Magnetic North is 8.04 degrees West of True North (at 2025-09-23)
Grid North is 0.19 degrees East of True North
To correct azimuth from True to Grid subtract 0.19 degrees
To correct azimuth from Magnetic to Grid subtract 8.23 degrees



RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 1 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet [32067]	Software System	WellArchitect® 7.0
North Reference	Grid	Report Generated By	Edsaryar on 2025-10-28 at 1:56:00 AM
Scale	0.999608	Last Updated	2025-10-26
Convergence at slot	0.19° 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	257.52	-147.30	1726069.19	14372524.21	39°34'40.7400"N	80°41'45.6900"W
Facility Reference Pt			1726216.43	14372266.79	39°34'38.1900"N	80°41'43.8200"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 519 (RKB) to Facility Vertical Datum	1191.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1191.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot K)	30.00ft
MD Reference Pt	H&P 519 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	340.980°

RECEIVED
Office of Oil and Gas
MAY 08 2026
Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 2 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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	195.270	0.00	0.00	0.00	0.00	1726069.19	14372524.21	39°34'40.7400"N	80°41'45.6900"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	195.270	30.00	0.00	0.00	0.00	1726069.19	14372524.21	39°34'40.7400"N	80°41'45.6900"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.260	195.270	100.00	-0.13	-0.15	-0.04	1726069.15	14372524.06	39°34'40.7385"N	80°41'45.6906"W	0.16	195.270	0.37	0.37	0.00	Gyrodatta MS Gyro <17-1/2"> (100'-390')
200.00	0.240	189.850	200.00	-0.50	-0.58	-0.14	1726069.05	14372523.63	39°34'40.7343"N	80°41'45.6918"W	0.59	193.363	0.03	-0.02	-5.42	
300.00	0.280	168.310	300.00	-0.93	-1.02	-0.12	1726069.07	14372523.19	39°34'40.7299"N	80°41'45.6911"W	1.03	186.889	0.10	0.04	-21.54	
390.00	0.350	179.130	390.00	-1.41	-1.51	-0.08	1726069.12	14372522.70	39°34'40.7250"N	80°41'45.6911"W	1.52	182.836	0.10	0.08	12.02	
414.00	0.270	165.570	414.00	-1.53	-1.64	-0.06	1726069.13	14372522.57	39°34'40.7238"N	80°41'45.6909"W	1.64	182.085	0.45	-0.33	-56.50	APS EM <12-1/4"> (390')(414'-3458')
504.00	0.930	63.870	503.99	-1.65	-1.53	0.65	1726069.84	14372522.68	39°34'40.7249"N	80°41'45.6818"W	1.66	156.967	1.13	0.73	-113.00	
594.00	2.830	61.720	593.94	-1.21	-0.15	3.26	1726072.45	14372524.06	39°34'40.7384"N	80°41'45.6484"W	3.26	92.662	2.11	2.11	-2.39	
683.00	4.630	61.370	682.75	-0.25	2.61	8.35	1726077.54	14372526.82	39°34'40.7655"N	80°41'45.5833"W	8.75	72.637	2.02	2.02	-0.39	
774.00	5.570	61.980	773.39	1.05	6.45	15.47	1726084.66	14372530.65	39°34'40.8032"N	80°41'45.4922"W	16.76	67.384	1.03	1.03	0.67	
864.00	5.140	63.010	862.99	2.29	10.33	22.92	1726092.10	14372534.53	39°34'40.8413"N	80°41'45.3969"W	25.14	65.746	0.49	-0.48	1.14	
954.00	5.170	63.710	952.63	3.37	13.95	30.15	1726099.33	14372538.16	39°34'40.8769"N	80°41'45.3044"W	33.22	65.165	0.08	0.03	0.78	
1044.00	4.680	63.230	1042.30	4.37	17.40	37.06	1726106.24	14372541.61	39°34'40.9108"N	80°41'45.2160"W	40.94	64.848	0.55	-0.54	-0.53	
1138.00	4.720	61.900	1135.98	5.50	20.95	43.90	1726113.07	14372545.15	39°34'40.9456"N	80°41'45.1285"W	48.64	64.486	0.12	0.04	-1.41	
1233.00	3.060	76.390	1230.76	5.88	23.39	49.81	1726118.98	14372547.59	39°34'40.9695"N	80°41'45.0529"W	55.03	64.847	2.02	-1.75	15.25	
1327.00	1.800	114.610	1324.68	4.62	23.36	53.59	1726122.76	14372547.57	39°34'40.9691"N	80°41'45.0046"W	58.46	66.444	2.11	-1.34	40.66	
1422.00	2.170	168.150	1419.63	1.81	20.98	55.32	1726124.49	14372545.18	39°34'40.9455"N	80°41'44.9827"W	59.16	69.227	1.91	0.39	56.36	
1516.00	2.250	184.310	1513.56	-1.65	17.40	55.54	1726124.71	14372541.60	39°34'40.9101"N	80°41'44.9799"W	58.21	72.605	0.67	0.09	17.19	
1611.00	1.780	180.110	1608.50	-4.76	14.07	55.40	1726124.57	14372538.27	39°34'40.8772"N	80°41'44.9819"W	57.16	75.754	0.52	-0.49	-4.42	
1706.00	1.890	186.250	1703.45	-7.57	11.03	55.23	1726124.40	14372535.24	39°34'40.8472"N	80°41'44.9843"W	56.32	78.702	0.24	0.12	6.46	
1800.00	1.310	177.470	1797.42	-10.00	8.42	55.11	1726124.27	14372532.63	39°34'40.8214"N	80°41'44.9859"W	55.75	81.314	0.67	-0.62	-9.34	
1895.00	1.510	168.660	1892.39	-12.28	6.11	55.40	1726124.57	14372530.31	39°34'40.7985"N	80°41'44.9823"W	55.74	83.710	0.31	0.21	-9.27	
1989.00	1.150	164.330	1986.36	-14.45	3.98	55.90	1726125.07	14372528.19	39°34'40.7775"N	80°41'44.9760"W	56.04	85.923	0.40	-0.38	-4.61	
2084.00	1.020	169.840	2081.35	-16.24	2.23	56.31	1726125.47	14372526.44	39°34'40.7602"N	80°41'44.9709"W	56.35	87.728	0.18	-0.14	5.80	
2178.00	0.940	188.310	2175.33	-17.75	0.65	56.34	1726125.51	14372524.86	39°34'40.7445"N	80°41'44.9705"W	56.35	89.341	0.34	-0.09	19.65	
2273.00	0.880	187.450	2270.32	-19.09	-0.85	56.13	1726125.30	14372523.36	39°34'40.7298"N	80°41'44.9732"W	56.14	90.864	0.06	-0.06	-0.91	
2368.00	0.160	209.890	2365.32	-19.83	-1.69	55.97	1726125.14	14372522.53	39°34'40.7215"N	80°41'44.9753"W	56.00	91.725	0.77	-0.76	23.62	
2462.00	0.420	281.300	2459.31	-19.75	-1.73	55.57	1726124.74	14372522.48	39°34'40.7210"N	80°41'44.9804"W	55.60	91.785	0.42	0.28	75.97	
2557.00	0.440	247.680	2554.31	-19.59	-1.80	54.89	1726124.06	14372522.41	39°34'40.7204"N	80°41'44.9891"W	54.92	91.880	0.26	0.02	-35.39	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 3 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
2652.00	0.440	245.240	2649.31	-19.65	-2.09	54.22	1726123.39	14372522.12	39°34'40.7175"N	80°41'44.9977"W	54.26	92.211	0.02	0.00	-2.57	
2747.00	0.560	263.800	2744.31	-19.58	-2.30	53.43	1726122.60	14372521.91	39°34'40.7155"N	80°41'45.0078"W	53.48	92.461	0.21	0.13	19.54	
2841.00	0.640	254.240	2838.30	-19.45	-2.49	52.47	1726121.64	14372521.72	39°34'40.7137"N	80°41'45.0201"W	52.53	92.715	0.14	0.09	-10.17	
2936.00	0.650	248.620	2933.29	-19.44	-2.83	51.46	1726120.63	14372521.38	39°34'40.7103"N	80°41'45.0330"W	51.53	93.147	0.07	0.01	-5.92	
3031.00	0.570	264.880	3028.29	-19.35	-3.07	50.48	1726119.65	14372521.14	39°34'40.7080"N	80°41'45.0455"W	50.58	93.477	0.20	-0.08	17.12	
3125.00	0.770	335.400	3122.28	-18.61	-2.53	49.75	1726118.93	14372521.68	39°34'40.7133"N	80°41'45.0547"W	49.82	92.916	0.84	0.21	75.02	
3220.00	1.160	336.700	3217.27	-17.02	-1.07	49.11	1726118.28	14372523.14	39°34'40.7278"N	80°41'45.0629"W	49.12	91.250	0.41	0.41	1.37	
3315.00	1.110	336.250	3312.25	-15.14	0.65	48.36	1726117.53	14372524.86	39°34'40.7449"N	80°41'45.0724"W	48.36	89.225	0.05	-0.05	-0.47	
3410.00	1.040	331.470	3407.23	-13.37	2.25	47.58	1726116.75	14372526.46	39°34'40.7607"N	80°41'45.0824"W	47.63	87.288	0.12	-0.07	-5.03	
3458.00	1.010	325.250	3455.23	-12.54	2.98	47.13	1726116.30	14372527.19	39°34'40.7679"N	80°41'45.0881"W	47.22	86.377	0.24	-0.06	-12.96	
3599.00	0.730	318.980	3596.21	-10.51	4.68	45.83	1726115.00	14372528.89	39°34'40.7848"N	80°41'45.1046"W	46.07	84.165	0.21	-0.20	-4.45	APS EM <8-3/4"> (3458')(3599'-6132')
3694.00	1.280	153.040	3691.20	-11.00	4.19	45.91	1726115.08	14372528.40	39°34'40.7799"N	80°41'45.1035"W	46.10	84.781	2.10	0.58	-174.67	
3788.00	4.060	169.790	3785.09	-15.33	-0.02	46.98	1726116.15	14372524.19	39°34'40.7383"N	80°41'45.0901"W	46.98	90.022	3.04	2.96	17.82	
3883.00	5.980	169.470	3879.73	-23.55	-8.19	48.48	1726117.65	14372516.02	39°34'40.6574"N	80°41'45.0713"W	49.17	99.593	2.02	2.02	-0.34	
3977.00	7.640	163.690	3973.06	-34.63	-19.01	51.13	1726120.30	14372505.21	39°34'40.5505"N	80°41'45.0379"W	54.55	110.391	1.91	1.77	-6.15	
4072.00	9.170	161.400	4067.04	-48.51	-32.24	55.32	1726124.49	14372491.98	39°34'40.4195"N	80°41'44.9850"W	64.03	120.236	1.65	1.61	-2.41	
4167.00	10.640	164.840	4160.62	-64.83	-47.88	60.03	1726129.19	14372476.35	39°34'40.2648"N	80°41'44.9255"W	76.78	128.580	1.67	1.55	3.62	
4261.00	10.940	165.040	4252.96	-82.39	-64.88	64.60	1726133.76	14372459.36	39°34'40.0967"N	80°41'44.8679"W	91.55	135.123	0.32	0.32	0.21	
4356.00	9.640	159.360	4346.43	-99.33	-81.03	69.73	1726138.89	14372443.21	39°34'39.9368"N	80°41'44.8030"W	106.90	139.287	1.73	-1.37	-5.98	
4450.00	10.470	157.600	4438.99	-115.72	-96.29	75.76	1726144.92	14372427.96	39°34'39.7858"N	80°41'44.7267"W	122.52	141.806	0.94	0.88	-1.87	
4544.00	10.830	156.650	4531.37	-133.06	-112.30	82.51	1726151.67	14372411.96	39°34'39.6274"N	80°41'44.6411"W	139.35	143.692	0.43	0.38	-1.01	
4639.00	11.880	163.000	4624.51	-151.73	-129.84	88.91	1726158.06	14372394.42	39°34'39.4538"N	80°41'44.5602"W	157.37	145.599	1.72	1.11	6.68	
4734.00	11.940	166.500	4717.47	-171.28	-148.75	94.06	1726163.22	14372375.52	39°34'39.2667"N	80°41'44.4952"W	175.99	147.693	0.76	0.06	3.68	
4828.00	10.180	159.550	4809.72	-189.27	-165.99	99.24	1726168.39	14372358.29	39°34'39.0962"N	80°41'44.4299"W	193.39	149.127	2.35	-1.87	-7.39	
4923.00	10.480	167.880	4903.19	-206.24	-182.30	103.98	1726173.13	14372341.98	39°34'38.9348"N	80°41'44.3700"W	209.87	150.300	1.60	0.32	8.77	
5018.00	11.030	178.270	4996.53	-223.50	-199.84	106.07	1726175.22	14372324.45	39°34'38.7614"N	80°41'44.3440"W	226.24	152.041	2.12	0.58	10.94	
5112.00	9.390	172.730	5089.04	-239.59	-216.43	107.31	1726176.46	14372307.86	39°34'38.5974"N	80°41'44.3289"W	241.58	153.627	2.03	-1.74	-5.89	
5207.00	10.220	170.970	5182.65	-255.48	-232.44	109.62	1726178.76	14372291.86	39°34'38.4391"N	80°41'44.3002"W	256.99	154.752	0.93	0.87	-1.85	
5301.00	12.620	168.330	5274.78	-273.88	-250.74	113.00	1726182.15	14372273.57	39°34'38.2581"N	80°41'44.2577"W	275.03	155.740	2.61	2.55	-2.81	
5396.00	11.850	163.730	5367.62	-293.91	-270.27	117.84	1726186.98	14372254.05	39°34'38.0650"N	80°41'44.1969"W	294.84	156.443	1.31	-0.81	-4.84	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 4 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
5491.00	12.290	172.400	5460.53	-313.57	-289.65	121.91	1726191.05	14372234.67	39°34'37.8732"N	80°41'44.1457"W	314.26	157.175	1.96	0.46	9.13	
5585.00	11.910	176.870	5552.45	-332.71	-309.26	123.76	1726192.90	14372215.07	39°34'37.6794"N	80°41'44.1229"W	333.10	158.190	1.08	-0.40	4.76	
5680.00	10.760	171.680	5645.59	-350.85	-327.82	125.58	1726194.72	14372196.52	39°34'37.4959"N	80°41'44.1005"W	351.05	159.040	1.62	-1.21	-5.46	
5774.00	9.620	167.480	5738.11	-367.28	-344.17	128.55	1726197.69	14372180.17	39°34'37.3342"N	80°41'44.0632"W	367.39	159.519	1.45	-1.21	-4.47	
5869.00	10.680	166.310	5831.62	-383.93	-360.47	132.35	1726201.49	14372163.88	39°34'37.1730"N	80°41'44.0153"W	384.00	159.838	1.14	1.12	-1.23	
5964.00	11.310	165.480	5924.88	-401.98	-378.04	136.77	1726205.91	14372146.31	39°34'36.9992"N	80°41'43.9597"W	402.03	160.110	0.68	0.66	-0.87	
6058.00	11.110	160.130	6017.09	-420.22	-395.49	142.16	1726211.30	14372128.88	39°34'36.8266"N	80°41'43.8916"W	420.26	160.228	1.13	-0.21	-5.69	
6132.00	10.770	154.610	6089.74	-434.23	-408.44	147.55	1726216.68	14372115.93	39°34'36.6984"N	80°41'43.8233"W	434.27	160.137	1.49	-0.46	-7.46	
6185.00	9.610	151.690	6141.91	-443.51	-416.81	151.77	1726220.90	14372107.57	39°34'36.6156"N	80°41'43.7698"W	443.58	159.992	2.40	-2.19	-5.51	BH Lucida <8-1/2"> (6132')(6185'-27093')
6278.00	9.870	164.830	6233.58	-459.13	-431.34	157.54	1726226.67	14372093.04	39°34'36.4718"N	80°41'43.6968"W	459.20	159.936	2.40	0.28	14.13	
6373.00	3.220	194.080	6327.93	-469.50	-441.80	159.02	1726228.15	14372082.59	39°34'36.3683"N	80°41'43.6783"W	469.54	160.204	7.61	-7.00	30.79	
6467.00	4.460	313.440	6421.81	-468.47	-441.84	155.72	1726224.85	14372082.54	39°34'36.3680"N	80°41'43.7204"W	468.48	160.585	7.08	1.32	126.98	
6562.00	12.740	323.980	6515.67	-455.15	-430.81	146.87	1726216.00	14372093.57	39°34'36.4773"N	80°41'43.8331"W	455.16	161.176	8.84	8.72	11.09	
6656.00	19.950	326.570	6605.81	-429.68	-409.02	131.92	1726201.05	14372115.35	39°34'36.6932"N	80°41'44.0230"W	429.76	162.124	7.71	7.67	2.76	
6737.00†	26.360	328.361	6680.25	-398.71	-382.15	114.85	1726184.00	14372142.21	39°34'36.9594"N	80°41'44.2398"W	399.03	163.272	7.96	7.91	2.21	Sycamore: 6737' MD
6751.00	27.470	328.590	6692.73	-392.53	-376.74	111.54	1726180.68	14372147.61	39°34'37.0129"N	80°41'44.2819"W	392.91	163.508	7.96	7.93	1.64	
6845.00	35.140	328.030	6772.99	-344.91	-335.23	85.88	1726155.03	14372189.11	39°34'37.4240"N	80°41'44.6078"W	346.05	165.631	8.17	8.16	-0.60	
6898.00†	39.653	327.886	6815.08	-313.56	-307.95	68.80	1726137.97	14372216.38	39°34'37.6942"N	80°41'44.8247"W	315.54	167.406	8.52	8.52	-0.27	Middlesex: 6898' MD
6940.00	43.230	327.790	6846.56	-286.50	-284.42	54.01	1726123.18	14372239.90	39°34'37.9272"N	80°41'45.0126"W	289.51	169.248	8.52	8.52	-0.23	
7034.00	51.390	328.840	6910.24	-219.13	-225.66	17.78	1726086.97	14372298.64	39°34'38.5092"N	80°41'45.4727"W	226.36	175.494	8.72	8.68	1.12	
7038.00†	51.736	328.845	6912.73	-216.07	-222.98	16.16	1726085.35	14372301.32	39°34'38.5357"N	80°41'45.4933"W	223.56	175.854	8.64	8.64	0.13	Burkett: 7038' MD
7092.00†	56.402	328.910	6944.41	-173.33	-185.56	-6.43	1726062.76	14372338.73	39°34'38.9063"N	80°41'45.9858"W	160.29	188.114	8.64	8.64	0.11	Tully: 7092' MD
7129.00	59.600	328.950	6964.01	-142.65	-158.68	-22.62	1726046.58	14372365.59	39°34'39.1725"N	80°41'46.5274"W	108.10	217.148	8.60	8.53	1.20	
7223.00	67.620	330.080	7005.76	-60.19	-86.17	-65.28	1726003.94	14372438.08	39°34'40.6396"N	80°41'47.0745"W	108.88	264.452	7.88	7.86	0.51	Marcellus POE: 7315' MD
7315.00†	74.854	330.565	7035.33	25.37	-10.53	-108.37	1725960.86	14372513.69	39°34'40.6646"N	80°41'47.0926"W	110.09	265.831	7.88	7.86	0.51	
7318.00	75.090	330.580	7036.11	28.22	-8.00	-109.80	1725959.44	14372516.21	39°34'41.4600"N	80°41'47.6678"W	171.15	295.001	8.57	8.57	-0.01	
7412.00	83.150	330.570	7053.84	118.93	72.33	-155.11	1725914.14	14372596.51	39°34'42.2773"N	80°41'48.2584"W	254.24	307.528	6.34	6.34	0.05	
7507.00	89.170	330.620	7060.20	212.12	154.87	-201.63	1725867.64	14372679.02	39°34'43.1104"N	80°41'48.8174"W	342.77	314.212	3.78	0.91	3.67	
7602.00	90.030	334.110	7060.86	306.03	239.02	-245.68	1725823.60	14372763.13								
7696.00	90.030	337.520	7060.81	399.64	324.75	-284.19	1725785.11	14372848.83	39°34'43.9591"N	80°41'49.3054"W	431.54	318.811	3.63	0.00	3.63	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 5 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
7791.00	89.910	339.570	7060.86	494.55	413.16	-318.94	1725750.38	14372937.21	39°34'44.8340"N	80°41'49.7454"W	521.94	322.334	2.16	-0.13	2.16	
7885.00	90.030	339.840	7060.91	588.52	501.33	-351.54	1725717.79	14373025.34	39°34'45.7064"N	80°41'50.1580"W	612.30	324.961	0.31	0.13	0.29	
7980.00	89.880	339.230	7060.99	683.49	590.33	-384.75	1725684.59	14373114.31	39°34'46.5872"N	80°41'50.5784"W	704.65	326.905	0.66	-0.16	-0.64	
8074.00	89.850	339.290	7061.21	777.45	678.24	-418.04	1725651.31	14373202.18	39°34'47.4571"N	80°41'50.9997"W	796.72	328.352	0.07	-0.03	0.06	
8169.00	90.180	339.850	7061.18	872.42	767.26	-451.20	1725618.16	14373291.17	39°34'48.3380"N	80°41'51.4194"W	890.10	329.542	0.68	0.35	0.59	
8263.00	90.090	340.160	7060.96	966.41	855.60	-483.35	1725586.03	14373379.47	39°34'49.2121"N	80°41'51.8261"W	982.69	330.537	0.34	-0.10	0.33	
8358.00	90.180	339.410	7060.74	1061.39	944.75	-516.17	1725553.22	14373468.58	39°34'50.0943"N	80°41'52.2415"W	1076.56	331.350	0.80	0.09	-0.79	
8453.00	90.650	339.740	7060.05	1156.36	1033.77	-549.32	1725520.08	14373557.57	39°34'50.9752"N	80°41'52.6611"W	1170.66	332.015	0.60	0.49	0.35	
8547.00	90.580	339.820	7059.04	1250.33	1121.97	-581.81	1725487.61	14373645.74	39°34'51.8480"N	80°41'53.0722"W	1263.85	332.591	0.11	-0.07	0.09	
8642.00	90.710	339.700	7057.97	1345.30	1211.10	-614.67	1725454.76	14373734.83	39°34'52.7300"N	80°41'53.4881"W	1358.16	333.091	0.19	0.14	-0.13	
8737.00	90.710	339.880	7056.79	1440.27	1300.24	-647.49	1725421.95	14373823.94	39°34'53.6121"N	80°41'53.9034"W	1452.54	333.528	0.19	0.00	0.19	
8832.00	90.250	339.820	7056.00	1535.25	1389.43	-680.21	1725389.24	14373913.09	39°34'54.4946"N	80°41'54.3175"W	1547.00	333.915	0.49	-0.48	-0.06	
8926.00	89.600	339.690	7056.12	1629.23	1477.62	-712.74	1725356.73	14374001.25	39°34'55.3673"N	80°41'54.7292"W	1640.54	334.249	0.71	-0.69	-0.14	
9021.00	90.250	339.790	7056.25	1724.21	1566.74	-745.64	1725323.85	14374090.33	39°34'56.2492"N	80°41'55.1455"W	1735.12	334.549	0.69	0.68	0.11	
9116.00	89.820	339.070	7056.19	1819.17	1655.68	-779.02	1725290.48	14374179.24	39°34'57.1293"N	80°41'55.5680"W	1829.80	334.803	0.88	-0.45	-0.76	
9211.00	90.280	339.750	7056.10	1914.13	1744.61	-812.43	1725257.08	14374268.14	39°34'58.0093"N	80°41'55.9909"W	1924.50	335.030	0.86	0.48	0.72	
9305.00	90.250	339.860	7055.67	2008.11	1832.83	-844.88	1725224.65	14374356.32	39°34'58.8823"N	80°41'56.4016"W	2018.19	335.252	0.12	-0.03	0.12	
9400.00	90.090	339.350	7055.39	2103.09	1921.88	-877.98	1725191.55	14374445.33	39°34'59.7634"N	80°41'56.8206"W	2112.93	335.447	0.56	-0.17	-0.54	
9495.00	90.280	340.980	7055.08	2198.07	2011.24	-910.22	1725159.33	14374534.66	39°35'0.6477"N	80°41'57.2285"W	2207.62	335.650	1.73	0.20	1.72	
9589.00	90.280	341.960	7054.62	2292.07	2100.36	-940.09	1725129.47	14374623.75	39°35'1.5295"N	80°41'57.6062"W	2301.15	335.887	1.04	0.00	1.04	
9684.00	90.150	341.760	7054.27	2387.05	2190.64	-969.66	1725099.91	14374713.99	39°35'2.4227"N	80°41'57.9801"W	2395.65	336.124	0.25	-0.14	-0.21	
9779.00	89.350	341.390	7054.68	2482.05	2280.77	-999.69	1725069.89	14374804.08	39°35'3.3144"N	80°41'58.3597"W	2490.24	336.332	0.93	-0.84	-0.39	
9874.00	90.250	342.220	7055.01	2577.04	2371.02	-1029.35	1725040.24	14374894.29	39°35'4.2073"N	80°41'58.7347"W	2584.82	336.532	1.29	0.95	0.87	
9969.00	89.780	341.350	7054.99	2672.03	2461.26	-1059.05	1725010.56	14374984.50	39°35'5.1002"N	80°41'59.1102"W	2679.43	336.718	1.04	-0.49	-0.92	
10063.00	90.280	342.080	7054.94	2766.02	2550.51	-1088.54	1724981.08	14375073.71	39°35'5.9832"N	80°41'59.4830"W	2773.09	336.888	0.94	0.53	0.78	
10158.00	90.000	341.410	7054.71	2861.01	2640.73	-1118.30	1724951.33	14375163.90	39°35'6.8759"N	80°41'59.8593"W	2867.76	337.048	0.76	-0.29	-0.71	
10253.00	90.150	341.510	7054.58	2956.00	2730.80	-1148.51	1724921.14	14375253.93	39°35'7.7670"N	80°42'0.2412"W	2962.48	337.190	0.19	0.16	0.11	
10348.00	90.090	341.460	7054.38	3051.00	2820.88	-1178.67	1724890.98	14375343.98	39°35'8.6583"N	80°42'0.6227"W	3057.23	337.323	0.08	-0.06	-0.05	
10443.00	89.380	340.640	7054.82	3146.00	2910.73	-1209.52	1724860.14	14375433.79	39°35'9.5473"N	80°42'1.0129"W	3152.03	337.435	1.14	-0.75	-0.86	
10538.00	90.490	342.240	7054.93	3240.99	3000.78	-1239.76	1724829.92	14375523.81	39°35'10.4384"N	80°42'1.3953"W	3246.80	337.552	2.05	1.17	1.68	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'
Page 6 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWP
Slot	Slot K		

WELLPATH DATA (296 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
10632.00	90.340	342.810	7054.25	3334.95	3090.44	-1267.99	1724801.70	14375613.43	39°35'11.3254"N	80°42'1.7520"W	3340.45	337.692	0.63	-0.16	0.61	
10727.00	89.850	342.170	7054.09	3429.92	3181.04	-1296.57	1724773.13	14375704.00	39°35'12.2217"N	80°42'2.1132"W	3435.13	337.825	0.85	-0.52	-0.67	
10821.00	89.780	340.880	7054.39	3523.91	3270.19	-1326.36	1724743.36	14375793.11	39°35'13.1038"N	80°42'2.4899"W	3528.93	337.923	1.37	-0.07	-1.37	
10916.00	90.060	341.010	7054.53	3618.91	3359.99	-1357.37	1724712.35	14375882.87	39°35'13.9923"N	80°42'2.8822"W	3623.80	338.002	0.32	0.29	0.14	
11011.00	90.180	341.030	7054.33	3713.91	3449.82	-1388.27	1724681.47	14375972.67	39°35'14.8812"N	80°42'3.2730"W	3718.68	338.079	0.13	0.13	0.02	
11105.00	89.970	341.370	7054.21	3807.91	3538.81	-1418.56	1724651.19	14376061.62	39°35'15.7616"N	80°42'3.6562"W	3812.54	338.156	0.43	-0.22	0.36	
11200.00	90.400	342.100	7053.90	3902.90	3629.02	-1448.33	1724621.43	14376151.80	39°35'16.6542"N	80°42'4.0326"W	3907.36	338.243	0.89	0.45	0.77	
11294.00	90.060	341.860	7053.52	3996.89	3718.41	-1477.41	1724592.36	14376241.15	39°35'17.5386"N	80°42'4.4002"W	4001.16	338.331	0.44	-0.36	-0.26	
11389.00	90.280	342.300	7053.24	4091.87	3808.80	-1506.64	1724563.14	14376331.51	39°35'18.4329"N	80°42'4.7698"W	4095.96	338.418	0.52	0.23	0.46	
11483.00	89.720	341.290	7053.24	4185.86	3898.09	-1536.01	1724533.78	14376420.77	39°35'19.3163"N	80°42'5.1411"W	4189.80	338.493	1.23	-0.60	-1.07	
11578.00	90.220	341.660	7053.29	4280.85	3988.17	-1566.19	1724503.61	14376510.81	39°35'20.2076"N	80°42'5.5228"W	4284.67	338.560	0.65	0.53	0.39	
11672.00	89.940	341.770	7053.16	4374.84	4077.42	-1595.68	1724474.13	14376600.03	39°35'21.0906"N	80°42'5.8957"W	4378.54	338.627	0.32	-0.30	0.12	
11767.00	90.280	342.360	7052.98	4469.83	4167.80	-1624.94	1724444.89	14376690.37	39°35'21.9849"N	80°42'6.2655"W	4473.37	338.700	0.72	0.36	0.62	
11861.00	90.220	342.030	7052.57	4563.80	4257.30	-1653.68	1724416.16	14376779.83	39°35'22.8703"N	80°42'6.6289"W	4567.19	338.772	0.36	-0.06	-0.35	
11956.00	90.250	342.020	7052.18	4658.79	4347.66	-1683.00	1724386.85	14376870.16	39°35'23.7643"N	80°42'6.9995"W	4662.04	338.838	0.03	0.03	-0.01	
12051.00	90.220	341.960	7051.79	4753.77	4438.01	-1712.37	1724357.49	14376960.47	39°35'24.6582"N	80°42'7.3709"W	4756.90	338.901	0.07	-0.03	-0.06	
12145.00	89.630	341.230	7051.91	4847.77	4527.20	-1742.05	1724327.83	14377049.63	39°35'25.5407"N	80°42'7.7462"W	4850.80	338.953	1.00	-0.63	-0.78	
12240.00	90.150	342.000	7052.09	4942.76	4617.35	-1772.01	1724297.88	14377139.74	39°35'26.4326"N	80°42'8.1251"W	4945.70	339.005	0.98	0.55	0.81	
12334.00	90.280	342.240	7051.74	5036.74	4706.81	-1800.87	1724269.03	14377229.16	39°35'27.3177"N	80°42'8.4899"W	5039.56	339.063	0.29	0.14	0.26	
12429.00	90.310	342.260	7051.25	5131.71	4797.28	-1829.83	1724240.08	14377319.61	39°35'28.2128"N	80°42'8.8560"W	5134.42	339.122	0.04	0.03	0.02	
12523.00	90.250	342.120	7050.79	5225.69	4886.78	-1858.58	1724211.34	14377409.06	39°35'29.0982"N	80°42'9.2195"W	5228.28	339.177	0.16	-0.06	-0.15	
12618.00	90.120	341.880	7050.48	5320.68	4977.13	-1887.94	1724181.99	14377499.38	39°35'29.9921"N	80°42'9.5907"W	5323.17	339.227	0.29	-0.14	-0.25	
12713.00	90.460	341.160	7050.00	5415.67	5067.23	-1918.05	1724151.89	14377589.44	39°35'30.8836"N	80°42'9.9715"W	5418.09	339.267	0.84	0.36	-0.76	
12807.00	90.220	340.970	7049.44	5509.67	5156.14	-1948.55	1724121.40	14377678.32	39°35'31.7633"N	80°42'10.3574"W	5512.04	339.298	0.33	-0.26	-0.20	
12902.00	88.250	338.640	7050.71	5604.63	5245.28	-1981.34	1724088.63	14377767.43	39°35'32.6454"N	80°42'10.7724"W	5607.02	339.307	3.21	-2.07	-2.45	
12996.00	89.480	340.630	7052.58	5698.58	5333.38	-2014.05	1724055.94	14377855.49	39°35'33.5172"N	80°42'11.1864"W	5700.99	339.312	2.49	1.31	2.12	
13091.00	90.150	341.270	7052.88	5793.58	5423.18	-2045.05	1724024.94	14377945.25	39°35'34.4057"N	80°42'11.5787"W	5795.95	339.339	0.98	0.71	0.67	
13185.00	90.180	341.100	7052.61	5887.58	5512.15	-2075.37	1723994.64	14378034.19	39°35'35.2860"N	80°42'11.9622"W	5889.91	339.368	0.18	0.03	-0.18	
13280.00	90.520	341.360	7052.03	5982.57	5602.10	-2105.94	1723964.08	14378124.10	39°35'36.1760"N	80°42'12.3489"W	5984.85	339.398	0.45	0.36	0.27	
13374.00	90.030	340.440	7051.58	6076.57	5690.92	-2136.69	1723933.34	14378212.89	39°35'37.0548"N	80°42'12.7380"W	6078.82	339.421	1.11	-0.52	-0.98	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 7 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
13469.00	90.180	341.530	7051.41	6171.57	5780.74	-2167.65	1723902.40	14378302.67	39°35'37.9435"N	80°42'13.1296"W	6173.78	339.445	1.16	0.16	1.15	
13564.00	90.180	340.810	7051.11	6266.57	5870.65	-2198.31	1723871.75	14378392.55	39°35'38.8331"N	80°42'13.5175"W	6268.74	339.471	0.76	0.00	-0.76	
13658.00	90.310	341.000	7050.71	6360.57	5959.48	-2229.06	1723841.01	14378481.34	39°35'39.7120"N	80°42'13.9066"W	6362.71	339.492	0.24	0.14	0.20	
13753.00	90.250	341.130	7050.24	6455.56	6049.34	-2259.89	1723810.19	14378571.17	39°35'40.6011"N	80°42'14.2966"W	6457.67	339.516	0.15	-0.06	0.14	
13847.00	89.820	341.140	7050.18	6549.56	6138.29	-2290.28	1723779.81	14378660.08	39°35'41.4812"N	80°42'14.6811"W	6551.64	339.539	0.46	-0.46	0.01	
13942.00	89.050	341.210	7051.12	6644.56	6228.20	-2320.93	1723749.17	14378749.96	39°35'42.3708"N	80°42'15.0689"W	6646.59	339.562	0.81	-0.81	0.07	
14037.00	89.690	341.220	7052.17	6739.55	6318.13	-2351.52	1723718.59	14378839.86	39°35'43.2606"N	80°42'15.4559"W	6741.55	339.585	0.67	0.67	0.01	
14132.00	89.820	341.990	7052.57	6834.54	6408.28	-2381.50	1723688.63	14378929.97	39°35'44.1525"N	80°42'15.8350"W	6836.49	339.613	0.82	0.14	0.81	
14226.00	89.600	340.830	7053.05	6928.54	6497.37	-2411.47	1723658.67	14379019.02	39°35'45.0340"N	80°42'16.2141"W	6930.44	339.638	1.26	-0.23	-1.23	
14321.00	89.940	341.010	7053.43	7023.54	6587.15	-2442.52	1723627.63	14379108.77	39°35'45.9223"N	80°42'16.6070"W	7025.42	339.655	0.40	0.36	0.19	
14415.00	89.540	339.500	7053.86	7117.53	6675.62	-2474.27	1723595.89	14379197.20	39°35'46.7977"N	80°42'17.0089"W	7119.41	339.663	1.66	-0.43	-1.61	
14510.00	89.970	340.870	7054.26	7212.51	6764.99	-2506.48	1723563.70	14379286.54	39°35'47.6820"N	80°42'17.4165"W	7214.40	339.670	1.51	0.45	1.44	
14605.00	89.750	340.730	7054.49	7307.51	6854.71	-2537.72	1723532.47	14379376.22	39°35'48.5697"N	80°42'17.8119"W	7309.38	339.685	0.27	-0.23	-0.15	
14699.00	89.940	340.870	7054.75	7401.51	6943.48	-2568.63	1723501.57	14379464.96	39°35'49.4481"N	80°42'18.2031"W	7403.36	339.699	0.25	0.20	0.15	
14794.00	90.060	341.110	7054.75	7496.51	7033.30	-2599.58	1723470.64	14379554.74	39°35'50.3368"N	80°42'18.5946"W	7498.34	339.715	0.28	0.13	0.25	
14888.00	89.820	340.720	7054.85	7590.51	7122.13	-2630.31	1723439.91	14379643.54	39°35'51.2157"N	80°42'18.9835"W	7592.32	339.730	0.49	-0.26	-0.41	
14982.00	89.880	341.070	7055.09	7684.51	7210.95	-2661.08	1723409.16	14379732.32	39°35'52.0945"N	80°42'19.3728"W	7686.30	339.744	0.38	0.06	0.37	
15077.00	89.750	341.010	7055.40	7779.51	7300.80	-2691.94	1723378.31	14379822.13	39°35'52.9835"N	80°42'19.7633"W	7781.27	339.760	0.15	-0.14	-0.06	
15172.00	89.850	340.480	7055.73	7874.51	7390.48	-2723.27	1723346.99	14379911.78	39°35'53.8709"N	80°42'20.1598"W	7876.26	339.772	0.57	0.11	-0.56	
15266.00	89.820	340.660	7056.00	7968.51	7479.13	-2754.54	1723315.73	14380000.40	39°35'54.7480"N	80°42'20.5556"W	7970.25	339.781	0.19	-0.03	0.19	
15361.00	90.220	342.980	7055.97	8063.49	7569.38	-2784.18	1723286.11	14380090.61	39°35'55.6409"N	80°42'20.9304"W	8065.18	339.805	2.48	0.42	2.44	
15455.00	89.750	337.750	7055.99	8157.45	7657.88	-2815.76	1723254.54	14380179.08	39°35'56.5166"N	80°42'21.3301"W	8159.15	339.812	5.59	-0.50	-5.56	
15550.00	89.880	338.050	7056.30	8252.31	7745.90	-2851.50	1723218.82	14380267.06	39°35'57.3877"N	80°42'21.7830"W	8254.09	339.790	0.34	0.14	0.32	
15645.00	89.720	340.690	7056.63	8347.27	7834.80	-2884.96	1723185.36	14380355.93	39°35'58.2674"N	80°42'22.2068"W	8349.08	339.785	2.78	-0.17	2.78	
15739.00	90.120	340.930	7056.76	8441.27	7923.58	-2915.86	1723154.47	14380444.67	39°35'59.1458"N	80°42'22.5978"W	8443.07	339.796	0.50	0.43	0.26	
15834.00	89.420	339.730	7057.14	8536.26	8013.03	-2947.84	1723122.51	14380534.09	39°36'0.0309"N	80°42'23.0026"W	8538.06	339.802	1.46	-0.74	-1.26	
15928.00	90.120	340.100	7057.52	8630.24	8101.32	-2980.12	1723090.24	14380622.34	39°36'0.9044"N	80°42'23.4113"W	8632.06	339.804	0.84	0.74	0.39	
16023.00	89.940	340.320	7057.47	8725.23	8190.70	-3012.28	1723058.09	14380711.69	39°36'1.7889"N	80°42'23.8185"W	8727.06	339.808	0.30	-0.19	0.23	
16117.00	90.650	340.980	7056.99	8819.23	8279.39	-3043.43	1723026.96	14380800.34	39°36'2.6664"N	80°42'24.2127"W	8821.04	339.817	1.03	0.76	0.70	
16212.00	90.370	341.010	7056.14	8914.22	8369.21	-3074.36	1722996.04	14380890.13	39°36'3.5551"N	80°42'24.6041"W	8916.02	339.830	0.30	-0.29	0.03	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 8 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
16307.00	90.250	340.300	7055.63	9009.22	8458.84	-3105.83	1722964.58	14380979.73	39°36'4.4420"N	80°42'25.0024"W	9011.01	339.838	0.76	-0.13	-0.75	
16401.00	89.880	340.500	7055.52	9103.21	8547.40	-3137.37	1722933.06	14381068.24	39°36'5.3182"N	80°42'25.4015"W	9105.00	339.844	0.45	-0.39	0.21	
16496.00	90.180	340.950	7055.47	9198.21	8637.07	-3168.72	1722901.71	14381157.88	39°36'6.2055"N	80°42'25.7984"W	9199.99	339.853	0.57	0.32	0.47	
16590.00	90.090	340.980	7055.25	9292.21	8725.93	-3199.38	1722871.07	14381246.71	39°36'7.0847"N	80°42'26.1864"W	9293.97	339.864	0.10	-0.10	0.03	
16685.00	89.750	340.760	7055.38	9387.21	8815.69	-3230.52	1722839.95	14381336.43	39°36'7.9727"N	80°42'26.5804"W	9388.96	339.875	0.43	-0.36	-0.23	
16779.00	90.030	341.010	7055.56	9481.21	8904.50	-3261.30	1722809.18	14381425.21	39°36'8.8515"N	80°42'26.9700"W	9482.94	339.885	0.40	0.30	0.27	
16874.00	89.570	341.030	7055.89	9576.21	8994.34	-3292.19	1722778.29	14381515.01	39°36'9.7403"N	80°42'27.3610"W	9577.92	339.896	0.48	-0.48	0.02	
16969.00	89.380	340.970	7056.77	9671.21	9084.16	-3323.12	1722747.38	14381604.79	39°36'10.6290"N	80°42'27.7523"W	9672.90	339.907	0.21	-0.20	-0.06	
17063.00	89.260	340.950	7057.88	9765.20	9173.01	-3353.79	1722716.73	14381693.61	39°36'11.5082"N	80°42'28.1404"W	9766.88	339.917	0.13	-0.13	-0.02	
17158.00	89.200	341.090	7059.16	9860.19	9262.84	-3384.68	1722685.84	14381783.40	39°36'12.3969"N	80°42'28.5314"W	9861.85	339.927	0.16	-0.06	0.15	
17252.00	88.800	340.430	7060.80	9954.17	9351.57	-3415.65	1722654.88	14381872.10	39°36'13.2749"N	80°42'28.9233"W	9955.83	339.935	0.82	-0.43	-0.70	
17347.00	89.200	341.390	7062.46	10049.16	9441.33	-3446.72	1722623.83	14381961.83	39°36'14.1630"N	80°42'29.3165"W	10050.80	339.945	1.09	0.42	1.01	
17442.00	89.720	341.230	7063.35	10144.15	9531.32	-3477.16	1722593.40	14382051.78	39°36'15.0533"N	80°42'29.7017"W	10145.77	339.957	0.57	0.55	-0.17	
17536.00	89.600	340.200	7063.91	10238.15	9620.04	-3508.20	1722562.37	14382140.46	39°36'15.9312"N	80°42'30.0946"W	10239.76	339.964	1.10	-0.13	-1.10	
17631.00	89.510	340.460	7064.65	10333.14	9709.49	-3540.18	1722530.41	14382229.88	39°36'16.8163"N	80°42'30.4994"W	10334.75	339.968	0.29	-0.09	0.27	
17726.00	89.690	341.350	7065.31	10428.14	9799.26	-3571.25	1722499.34	14382319.62	39°36'17.7045"N	80°42'30.8927"W	10429.74	339.976	0.96	0.19	0.94	
17820.00	89.600	340.960	7065.89	10522.13	9888.22	-3601.62	1722468.99	14382408.54	39°36'18.5847"N	80°42'31.2770"W	10523.72	339.987	0.43	-0.10	-0.41	
17915.00	89.170	341.120	7066.91	10617.13	9978.06	-3632.48	1722438.14	14382498.35	39°36'19.4736"N	80°42'31.6676"W	10618.69	339.996	0.48	-0.45	0.17	
18010.00	89.230	337.580	7068.24	10712.07	10066.94	-3665.97	1722404.66	14382587.18	39°36'20.3530"N	80°42'32.0918"W	10713.66	339.990	3.73	0.06	-3.73	
18104.00	89.540	341.860	7069.25	10806.02	10155.08	-3698.55	1722372.10	14382675.30	39°36'21.2252"N	80°42'32.5043"W	10807.63	339.988	4.56	0.33	4.56	
18199.00	89.660	341.000	7069.91	10901.01	10245.13	-3728.80	1722341.86	14382765.31	39°36'22.1161"N	80°42'32.8871"W	10902.60	340.001	0.91	0.13	-0.91	
18294.00	89.940	341.090	7070.24	10996.01	10334.98	-3759.66	1722311.01	14382855.12	39°36'23.0051"N	80°42'33.6607"W	10997.59	340.010	0.31	0.29	0.09	
18388.00	89.880	341.340	7070.39	11090.01	10423.98	-3789.93	1722280.76	14382944.08	39°36'23.8856"N	80°42'33.7776"W	11091.56	340.020	0.27	-0.06	0.27	
18483.00	89.850	341.420	7070.61	11185.00	10514.00	-3820.26	1722250.43	14383034.07	39°36'24.7763"N	80°42'34.0445"W	11186.54	340.031	0.09	-0.03	0.08	
18577.00	89.750	341.070	7070.94	11279.00	10603.01	-3850.48	1722220.22	14383123.05	39°36'25.6570"N	80°42'34.4270"W	11280.52	340.042	0.39	-0.11	-0.37	
18672.00	89.820	341.070	7071.30	11374.00	10692.87	-3881.30	1722189.42	14383212.87	39°36'26.5461"N	80°42'34.8170"W	11375.50	340.050	0.07	0.07	0.00	
18767.00	89.720	341.150	7071.68	11469.00	10782.75	-3912.06	1722158.67	14383302.72	39°36'27.4354"N	80°42'35.2062"W	11470.48	340.059	0.13	-0.11	0.08	
18861.00	89.910	341.210	7071.98	11563.00	10871.73	-3942.38	1722128.36	14383391.66	39°36'28.3157"N	80°42'35.5900"W	11564.47	340.068	0.21	0.20	0.06	
18956.00	89.780	341.160	7072.24	11658.00	10961.65	-3973.02	1722097.73	14383481.55	39°36'29.2054"N	80°42'35.9777"W	11659.45	340.077	0.15	-0.14	-0.05	
19051.00	89.880	341.240	7072.52	11753.00	11051.58	-4003.63	1722067.13	14383571.44	39°36'30.0952"N	80°42'36.3652"W	11754.43	340.086	0.13	0.11	0.08	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 9 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
19145.00	90.120	341.290	7072.52	11847.00	11140.60	-4033.83	1722036.95	14383660.43	39°36'30.9759"N	80°42'36.7473"W	11848.41	340.096	0.26	0.26	0.05	
19240.00	89.600	340.840	7072.76	11942.00	11230.46	-4064.65	1722006.14	14383750.25	39°36'31.8650"N	80°42'37.1374"W	11943.39	340.103	0.72	-0.55	-0.47	
19334.00	90.710	340.940	7072.50	12035.99	11319.28	-4095.43	1721975.38	14383839.03	39°36'32.7438"N	80°42'37.5270"W	12037.38	340.109	1.19	1.18	0.11	
19429.00	89.910	339.070	7071.99	12130.97	11408.55	-4127.91	1721942.91	14383928.27	39°36'33.6270"N	80°42'37.9383"W	12132.38	340.109	2.14	-0.84	-1.97	
19524.00	89.970	341.220	7072.09	12225.96	11497.89	-4160.17	1721910.65	14384017.58	39°36'34.5111"N	80°42'38.3469"W	12227.37	340.109	2.26	0.06	2.26	
19618.00	90.030	341.320	7072.09	12319.96	11586.92	-4190.36	1721880.48	14384106.57	39°36'35.3919"N	80°42'38.7289"W	12321.35	340.118	0.12	0.06	0.11	
19713.00	89.690	341.180	7072.32	12414.96	11676.87	-4220.89	1721849.96	14384196.49	39°36'36.2819"N	80°42'39.1153"W	12416.33	340.126	0.39	-0.36	-0.15	
19808.00	89.690	341.470	7072.83	12509.95	11766.87	-4251.31	1721819.55	14384286.45	39°36'37.1723"N	80°42'39.5003"W	12511.31	340.135	0.31	0.00	0.31	
19902.00	89.720	341.040	7073.32	12603.95	11855.88	-4281.52	1721789.36	14384375.43	39°36'38.0530"N	80°42'39.8826"W	12605.29	340.144	0.46	0.03	-0.46	
19997.00	89.910	341.070	7073.62	12698.95	11945.74	-4312.36	1721758.53	14384465.25	39°36'38.9420"N	80°42'40.2729"W	12700.28	340.151	0.20	0.20	0.03	
20091.00	89.850	341.290	7073.82	12792.95	12034.71	-4342.69	1721728.21	14384554.18	39°36'39.8223"N	80°42'40.6567"W	12794.26	340.158	0.24	-0.06	0.23	
20186.00	89.850	341.430	7074.07	12887.95	12124.73	-4373.05	1721697.86	14384644.17	39°36'40.7129"N	80°42'41.0410"W	12889.24	340.167	0.15	0.00	0.15	
20280.00	89.780	341.010	7074.37	12981.94	12213.72	-4403.31	1721667.61	14384733.13	39°36'41.5934"N	80°42'41.4240"W	12983.23	340.175	0.45	-0.07	-0.45	
20375.00	89.570	341.140	7074.91	13076.94	12303.59	-4434.12	1721636.81	14384822.95	39°36'42.4825"N	80°42'41.8140"W	13078.21	340.181	0.26	-0.22	0.14	
20470.00	89.850	341.120	7075.39	13171.94	12393.48	-4464.85	1721606.10	14384912.81	39°36'43.3719"N	80°42'42.2029"W	13173.20	340.188	0.30	0.29	-0.02	
20564.00	89.820	341.270	7075.66	13265.94	12482.46	-4495.15	1721575.81	14385001.76	39°36'44.2523"N	80°42'42.5864"W	13267.18	340.195	0.16	-0.03	0.16	
20659.00	89.850	341.210	7075.94	13360.94	12572.41	-4525.70	1721545.27	14385091.68	39°36'45.1423"N	80°42'42.9731"W	13362.17	340.203	0.07	0.03	-0.06	
20753.00	89.850	341.210	7076.18	13454.94	12661.40	-4555.98	1721515.01	14385180.63	39°36'46.0228"N	80°42'43.3563"W	13456.15	340.210	0.00	0.00	0.00	
20848.00	89.750	341.330	7076.51	13549.94	12751.37	-4586.48	1721484.51	14385270.56	39°36'46.9129"N	80°42'43.7424"W	13551.14	340.217	0.16	-0.11	0.13	
20943.00	89.720	341.190	7076.95	13644.93	12841.33	-4617.00	1721454.00	14385360.49	39°36'47.8030"N	80°42'44.1287"W	13646.12	340.224	0.15	-0.03	-0.15	
21037.00	89.660	341.100	7077.46	13738.93	12930.29	-4647.38	1721423.64	14385449.41	39°36'48.6831"N	80°42'44.5132"W	13740.11	340.231	0.12	-0.06	-0.10	
21132.00	89.660	341.090	7078.03	13833.93	13020.16	-4678.16	1721392.87	14385539.25	39°36'49.5723"N	80°42'44.9028"W	13835.09	340.237	0.01	0.00	-0.01	
21226.00	89.200	340.240	7078.96	13927.92	13108.86	-4709.28	1721361.76	14385627.91	39°36'50.4498"N	80°42'45.2969"W	13929.09	340.239	1.03	-0.49	-0.90	
21320.00	89.690	341.360	7079.87	14021.92	13197.62	-4740.19	1721330.86	14385716.64	39°36'51.3281"N	80°42'45.6882"W	14023.08	340.243	1.30	0.52	1.19	
21415.00	90.090	341.500	7080.05	14116.91	13287.68	-4770.45	1721300.62	14385806.66	39°36'52.2191"N	80°42'46.0711"W	14118.05	340.251	0.45	0.42	0.15	
21510.00	89.570	341.050	7080.34	14211.91	13377.65	-4800.94	1721270.14	14385896.59	39°36'53.1092"N	80°42'46.4571"W	14213.04	340.258	0.72	-0.55	-0.47	
21605.00	89.970	341.190	7080.72	14306.91	13467.53	-4831.68	1721239.41	14385986.44	39°36'53.9986"N	80°42'46.8462"W	14308.03	340.264	0.45	0.42	0.15	
21699.00	89.880	341.230	7080.84	14400.91	13556.52	-4861.96	1721209.14	14386075.40	39°36'54.8790"N	80°42'47.2295"W	14402.01	340.270	0.10	-0.10	0.04	
21793.00	89.910	341.080	7081.01	14494.91	13645.49	-4892.32	1721178.79	14386164.32	39°36'55.7592"N	80°42'47.6138"W	14496.00	340.276	0.16	0.03	-0.16	
21888.00	89.940	341.000	7081.14	14589.91	13735.33	-4923.19	1721147.94	14386254.13	39°36'56.6481"N	80°42'48.0046"W	14590.99	340.281	0.09	0.03	-0.08	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 10 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
21983.00	89.910	341.200	7081.26	14684.91	13825.21	-4953.96	1721117.18	14386343.98	39°36'57.5374"N	80°42'48.3941"W	14685.98	340.286	0.21	-0.03	0.21	
22077.00	89.940	341.240	7081.38	14778.91	13914.20	-4984.22	1721086.93	14386432.94	39°36'58.4179"N	80°42'48.7772"W	14779.97	340.292	0.05	0.03	0.04	
22172.00	89.880	341.190	7081.53	14873.91	14004.14	-5014.82	1721056.35	14386522.84	39°36'59.3077"N	80°42'49.1644"W	14874.96	340.298	0.08	-0.06	-0.05	
22267.00	89.820	341.030	7081.78	14968.90	14094.03	-5045.57	1721025.60	14386612.69	39°37'0.1970"N	80°42'49.5538"W	14969.95	340.303	0.18	-0.06	-0.17	
22361.00	89.780	340.480	7082.11	15062.90	14182.77	-5076.55	1720994.63	14386701.40	39°37'1.0751"N	80°42'49.9460"W	15063.95	340.306	0.59	-0.04	-0.59	
22456.00	90.120	341.220	7082.19	15157.90	14272.52	-5107.72	1720963.48	14386791.11	39°37'1.9630"N	80°42'50.3406"W	15158.94	340.309	0.86	0.36	0.78	
22550.00	90.060	341.140	7082.05	15251.90	14361.49	-5138.04	1720933.17	14386880.05	39°37'2.8433"N	80°42'50.7245"W	15252.93	340.315	0.11	-0.06	-0.09	
22645.00	89.880	341.250	7082.10	15346.90	14451.42	-5168.67	1720902.56	14386969.94	39°37'3.7330"N	80°42'51.1121"W	15347.92	340.320	0.22	-0.19	0.12	
22739.00	90.370	340.940	7081.89	15440.90	14540.35	-5199.12	1720872.11	14387058.83	39°37'4.6129"N	80°42'51.4977"W	15441.91	340.325	0.62	0.52	-0.33	
22834.00	90.250	341.130	7081.38	15535.90	14630.19	-5230.00	1720841.25	14387148.64	39°37'5.5018"N	80°42'51.8886"W	15536.90	340.329	0.24	-0.13	0.20	
22929.00	90.620	341.350	7080.65	15630.89	14720.14	-5260.55	1720810.71	14387238.56	39°37'6.3917"N	80°42'52.2753"W	15631.89	340.335	0.45	0.39	0.23	
23023.00	90.580	341.260	7079.67	15724.89	14809.17	-5290.67	1720780.60	14387327.56	39°37'7.2726"N	80°42'52.6567"W	15725.87	340.340	0.10	-0.04	-0.10	
23118.00	90.490	341.390	7078.78	15819.88	14899.17	-5321.09	1720750.19	14387417.51	39°37'8.1630"N	80°42'53.0417"W	15820.85	340.346	0.17	-0.09	0.14	
23213.00	90.580	341.320	7077.90	15914.88	14989.18	-5351.46	1720719.83	14387507.49	39°37'9.0535"N	80°42'53.4262"W	15915.83	340.352	0.12	0.09	-0.07	
23307.00	90.520	340.950	7076.99	16008.87	15078.13	-5381.86	1720689.45	14387596.40	39°37'9.9335"N	80°42'53.8109"W	16009.82	340.357	0.40	-0.06	-0.39	
23402.00	90.680	341.520	7076.00	16103.86	15168.07	-5412.41	1720658.91	14387686.31	39°37'10.8234"N	80°42'54.1978"W	16104.80	340.362	0.62	0.17	0.60	
23497.00	90.650	341.220	7074.90	16198.86	15258.09	-5442.76	1720628.57	14387776.29	39°37'11.7140"N	80°42'54.5819"W	16199.78	340.368	0.32	-0.03	-0.32	
23591.00	90.620	341.170	7073.86	16292.85	15347.06	-5473.06	1720598.29	14387865.23	39°37'12.5943"N	80°42'54.9655"W	16293.76	340.373	0.06	-0.03	-0.05	
23686.00	90.650	341.240	7072.80	16387.84	15436.99	-5503.66	1720567.69	14387955.13	39°37'13.4841"N	80°42'55.3529"W	16388.75	340.378	0.08	0.03	0.07	
23780.00	90.520	341.070	7071.84	16481.84	15525.95	-5534.03	1720537.34	14388044.05	39°37'14.3642"N	80°42'55.7373"W	16482.73	340.382	0.23	-0.14	-0.18	
23875.00	90.580	341.260	7070.93	16576.83	15615.86	-5564.69	1720506.69	14388133.92	39°37'15.2537"N	80°42'56.1256"W	16577.72	340.387	0.21	0.06	0.20	
23969.00	90.520	340.790	7070.03	16670.83	15704.75	-5595.26	1720476.13	14388222.77	39°37'16.1332"N	80°42'56.5126"W	16671.71	340.390	0.50	-0.06	-0.50	
24064.00	90.580	341.100	7069.12	16765.82	15794.54	-5626.27	1720445.13	14388312.53	39°37'17.0216"N	80°42'56.9053"W	16766.70	340.393	0.33	0.06	0.33	
24158.00	90.550	341.250	7068.19	16859.82	15883.50	-5656.60	1720414.81	14388401.46	39°37'18.8007"N	80°42'57.2892"W	16860.69	340.398	0.16	-0.03	0.16	
24254.00	90.620	341.070	7067.21	16955.81	15974.36	-5687.60	1720383.83	14388492.28	39°37'19.6900"N	80°42'57.6817"W	16956.68	340.402	0.20	0.07	-0.19	
24349.00	90.620	341.180	7066.18	17050.81	16064.24	-5718.33	1720353.11	14388582.13	39°37'20.5701"N	80°42'58.0708"W	17051.66	340.406	0.12	0.00	0.12	
24443.00	90.580	341.130	7065.20	17144.80	16153.20	-5748.69	1720322.76	14388671.05	39°37'21.4602"N	80°42'58.4552"W	17145.65	340.410	0.07	-0.04	-0.05	
24538.00	90.280	341.400	7064.48	17239.80	16243.16	-5779.21	1720292.26	14388760.98	39°37'22.3516"N	80°42'58.8415"W	17240.64	340.415	0.42	-0.32	0.28	
24633.00	90.370	341.660	7063.95	17334.79	16333.27	-5809.30	1720262.17	14388851.05	39°37'23.2328"N	80°42'59.6027"W	17335.62	340.421	0.29	0.09	0.27	
24727.00	90.310	341.070	7063.39	17428.79	16422.34	-5839.34	1720232.15	14388940.08			17429.60	340.426	0.63	-0.06	-0.63	

RECEIVED
Office of Oil and Gas
MAY 08 2026
WY Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 11 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (296 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
24822.00	90.310	341.260	7062.87	17523.78	16512.25	-5870.01	1720201.49	14389029.96	39°37'24.1224"N	80°42'59.9910"W	17524.59	340.430	0.20	0.00	0.20	
24917.00	90.400	341.350	7062.28	17618.78	16602.23	-5900.46	1720171.06	14389119.91	39°37'25.0127"N	80°43'0.3765"W	17619.58	340.435	0.13	0.09	0.09	
25011.00	90.060	341.220	7061.91	17712.78	16691.26	-5930.62	1720140.91	14389208.90	39°37'25.8935"N	80°43'0.7584"W	17713.57	340.439	0.39	-0.36	-0.14	
25106.00	90.060	341.110	7061.81	17807.78	16781.18	-5961.29	1720110.25	14389298.78	39°37'26.7831"N	80°43'1.1467"W	17808.56	340.443	0.12	0.00	-0.12	
25201.00	90.090	341.180	7061.68	17902.78	16871.08	-5991.99	1720079.56	14389388.65	39°37'27.6726"N	80°43'1.5354"W	17903.55	340.447	0.08	0.03	0.07	
25296.00	90.120	341.500	7061.51	17997.78	16961.08	-6022.38	1720049.18	14389478.62	39°37'28.5630"N	80°43'1.9202"W	17998.54	340.452	0.34	0.03	0.34	
25390.00	90.520	341.260	7060.98	18091.77	17050.16	-6052.40	1720019.17	14389567.66	39°37'29.4443"N	80°43'2.3002"W	18092.53	340.456	0.50	0.43	-0.26	
25485.00	90.490	341.280	7060.15	18186.77	17140.13	-6082.90	1719988.68	14389657.59	39°37'30.3344"N	80°43'2.6864"W	18187.51	340.461	0.04	-0.03	0.02	
25580.00	90.430	341.170	7059.38	18281.76	17230.07	-6113.48	1719958.12	14389747.50	39°37'31.2243"N	80°43'3.0736"W	18282.50	340.465	0.13	-0.06	-0.12	
25674.00	90.430	341.200	7058.68	18375.76	17319.04	-6143.79	1719927.82	14389836.44	39°37'32.1046"N	80°43'3.4574"W	18376.49	340.468	0.03	0.00	0.03	
25769.00	90.490	341.210	7057.92	18470.76	17408.98	-6174.40	1719897.22	14389926.33	39°37'32.9943"N	80°43'3.8449"W	18471.48	340.472	0.06	0.06	0.01	
25863.00	90.490	341.300	7057.11	18564.75	17497.99	-6204.60	1719867.03	14390015.31	39°37'33.8750"N	80°43'4.2274"W	18565.47	340.476	0.10	0.00	0.10	
25958.00	90.460	341.500	7056.32	18659.75	17588.02	-6234.91	1719836.74	14390105.31	39°37'34.7657"N	80°43'4.6110"W	18660.45	340.481	0.21	-0.03	0.21	
26053.00	90.490	341.210	7055.54	18754.74	17678.03	-6265.28	1719806.38	14390195.28	39°37'35.6563"N	80°43'4.9955"W	18755.44	340.485	0.31	0.03	-0.31	
26147.00	90.460	340.060	7054.76	18848.73	17766.71	-6296.44	1719775.23	14390283.93	39°37'36.5336"N	80°43'5.3903"W	18849.43	340.486	1.22	-0.03	-1.22	
26242.00	90.490	340.070	7053.97	18943.72	17856.01	-6328.83	1719742.85	14390373.20	39°37'37.4172"N	80°43'5.8006"W	18944.43	340.484	0.03	0.03	0.01	
26336.00	90.430	340.180	7053.22	19037.70	17944.41	-6360.79	1719710.90	14390461.56	39°37'38.2919"N	80°43'6.2055"W	19038.42	340.482	0.13	-0.06	0.12	
26431.00	90.460	340.350	7052.48	19132.69	18033.83	-6392.87	1719678.84	14390550.94	39°37'39.1766"N	80°43'6.6119"W	19133.42	340.481	0.18	0.03	0.18	
26526.00	90.250	340.190	7051.89	19227.68	18123.25	-6424.94	1719646.78	14390640.33	39°37'40.0613"N	80°43'7.0182"W	19228.42	340.480	0.28	-0.22	-0.17	
26620.00	90.250	340.240	7051.48	19321.68	18211.70	-6456.75	1719614.98	14390728.74	39°37'40.9365"N	80°43'7.4213"W	19322.42	340.479	0.05	0.00	0.05	
26715.00	90.220	340.320	7051.09	19416.67	18301.13	-6488.81	1719582.93	14390818.14	39°37'41.8213"N	80°43'7.8273"W	19417.41	340.478	0.09	-0.03	0.08	
26809.00	90.280	340.280	7050.68	19510.66	18389.63	-6520.50	1719551.26	14390906.60	39°37'42.6969"N	80°43'8.2288"W	19511.41	340.477	0.08	0.06	-0.04	
26904.00	90.250	340.190	7050.24	19605.65	18479.03	-6552.62	1719519.15	14390995.97	39°37'43.5815"N	80°43'8.6358"W	19606.41	340.476	0.10	-0.03	-0.09	
26999.00	90.220	340.160	7049.85	19700.64	18568.40	-6584.84	1719486.94	14391085.30	39°37'44.4657"N	80°43'9.0440"W	19701.41	340.474	0.04	-0.03	-0.03	
27093.00	90.180	340.200	7049.52	19794.63	18656.83	-6616.71	1719455.08	14391173.70	39°37'45.3407"N	80°43'9.4478"W	19795.41	340.473	0.06	-0.04	0.04	
27134.00†	90.180	340.200	7049.39	19835.63	18695.40	-6630.60	1719441.20	14391212.26	39°37'45.7224"N	80°43'9.6237"W	19836.41	340.472	0.00	0.00	0.00	Projected MD at TD: 27134'

RECEIVED
Office of Oil and Gas
MAY 08 2026
WY Department of
Environmental Protection

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = 7.36		Reference: IADC/SPE 59196	
Values	Wellpath characterized as:	Values	Wellpath characterized as:
< 6.0	Relatively short or simple profiles with low tortuosity	6.4-6.8	Longer with relatively tortuous well paths
< 6.0-6.4	Shorter with high tortuosity or longer with lower tortuosity	> 6.8	Long tortuous profiles, high degree of difficulty

HOLE & CASING SECTIONS - Ref Wellbore: Bucher Unit 1H AWB Ref Wellpath: Bucher Unit 1H AWP Proj: 27134

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	30.00	130.00	100.00	30.00	130.00	0.00	0.00	-0.28	-0.08
17 1/2in Open Hole	130.00	381.00	251.00	130.00	381.00	-0.28	-0.08	-1.46	-0.08
13 3/8in Casing Surface	30.00	361.00	331.00	30.00	361.00	0.00	0.00	-1.34	-0.08
12 1/4in Open Hole	381.00	3533.00	3152.00	381.00	3530.22	-1.46	-0.08	3.97	46.41
9 5/8in Casing Intermediate	30.00	3503.00	3473.00	30.00	3500.22	0.00	0.00	3.60	46.69
8 3/4in Open Hole	3533.00	6210.00	2677.00	3530.22	6166.56	3.97	46.41	-420.54	153.64
8 1/2in Open Hole	6210.00	27134.00	20924.00	6166.56	7049.39	-420.54	153.64	18695.40	-6630.60
5 1/2in Casing Production	30.00	27114.00	27084.00	30.00	7049.46	0.00	0.00	18676.59	-6623.83

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Bucher Unit 1H POE Rev-2	7026.00	-7.05	-111.26	1725957.97	14372517.16	39°34'40.6740"N	80°41'47.1113"W	point
Bucher Unit 1H POE Rev-1	7041.00	-7.05	-111.26	1725957.97	14372517.16	39°34'40.6740"N	80°41'47.1113"W	point
Bucher Unit 1H POE Rev-3	7043.00	-7.05	-111.26	1725957.97	14372517.16	39°34'40.6740"N	80°41'47.1113"W	point
Bucher Unit 1H BHL Rev-2	7054.00	18729.44	-6646.21	1719425.60	14391246.28	39°37'46.0592"N	80°43'9.8218"W	point
Bucher Unit 1H BHL Rev-1	7066.00	18729.44	-6646.21	1719425.60	14391246.28	39°37'46.0592"N	80°43'9.8218"W	point
Bucher Unit 1H AZI Rev-3	7071.00	491.34	-357.84	1725711.49	14373015.36	39°34'45.6080"N	80°41'50.2389"W	point
Bucher Unit 1H BHL Rev-3	7071.00	18729.44	-6646.21	1719425.60	14391246.28	39°37'46.0592"N	80°43'9.8218"W	point
Bucher Unit 1H LP Rev-3	7071.00	165.04	-209.78	1725859.49	14372689.19	39°34'42.3782"N	80°41'48.3620"W	point

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Bucher Unit 1H 50' L/R Hard Line	7500.00	9610.39	-3502.02	1722568.54	14382130.82	39°36'15.8356"N	80°42'30.0161"W	rectangle
2D Rectangle: 19291.8 x 100.								



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 13 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

WELLPATH COMPOSITION - Ref Wellbore: Bucher Unit 1H AWB Ref Wellpath: Bucher Unit 1H AWP Proj: 27134'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	390.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17'-1/2"> (100'-390')	Bucher Unit 1H AWB	2025-08-18
390.00	3458.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12'-1/4"> (390')(414'-3458')	Bucher Unit 1H AWB	2025-08-18
3458.00	6132.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8'-3/4"> (3458')(3599'-6132')	Bucher Unit 1H AWB	2025-09-23
6132.00	27134.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8'-1/2"> (6132')(6185'-27093')	Bucher Unit 1H AWB	2025-09-23

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection



Actual Wellpath Report

Bucher Unit 1H AWP Proj: 27134'

Page 14 of 14



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Bucher Unit 1H
Field	Wetzel	UWI	47-103-03735-0000
Facility	Galmish Pad	Wellbore	Bucher Unit 1H AWB
Slot	Slot K		

COMMENTS

Wellpath general comments

API: 47-103-03735-0000

BH Job #: 112788911

Rig: H&P 519

Duration: 9/27/2025-10/7/2025

Gyrodata MS Gyro <17-1/2"> (100'-390')

APS EM <12-1/4"> (390')(414'-3458')

APS EM <8-3/4"> (3458')(3599'-6132')

BH Lucida <8-1/2"> (6132')(6185'-27093')

Sycamore: 6737' MD

Middlesex: 6898' MD

Burkett: 7038' MD

Tully: 7092' MD

Marcellus POE: 7315' MD

Projected MD at TD: 27134'

RECEIVED
Office of Oil and Gas
MAY 08 2026
WV Department of
Environmental Protection