



ANTERO RESOURCES CORPORATION

Location: Wetzel County, WV
Field: Wetzel
Facility: Cedar Pad

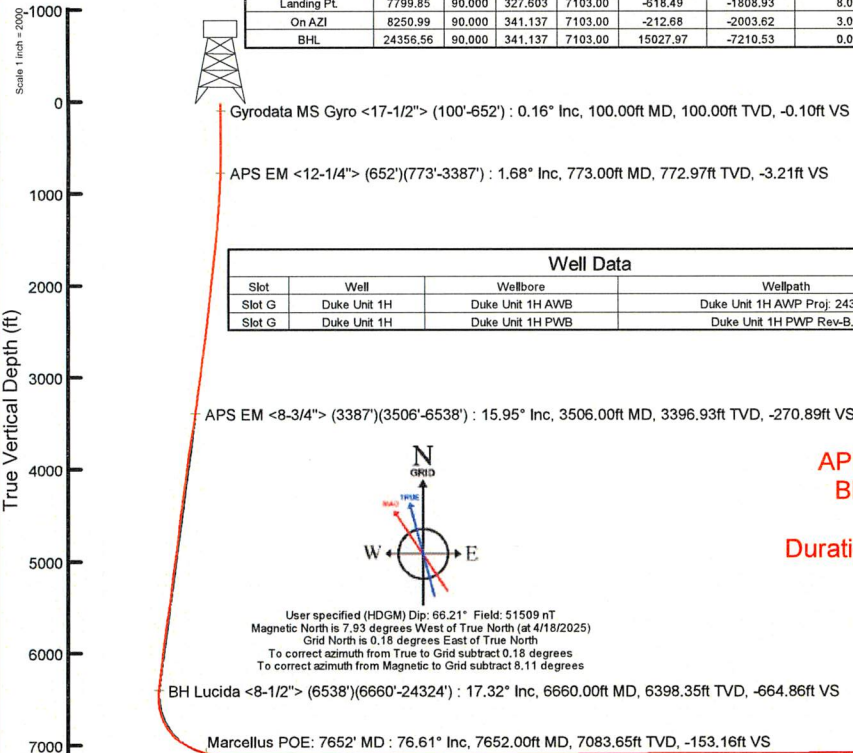
Slot: Slot G
Well: Duke Unit 1H
Wellbore: Duke Unit 1H PWB



Plot reference wellpath is Duke Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1275.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot G): -1259 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: eduaryan on 2025-04-25; Database: WA_MPL_EASTERNUS_Dein

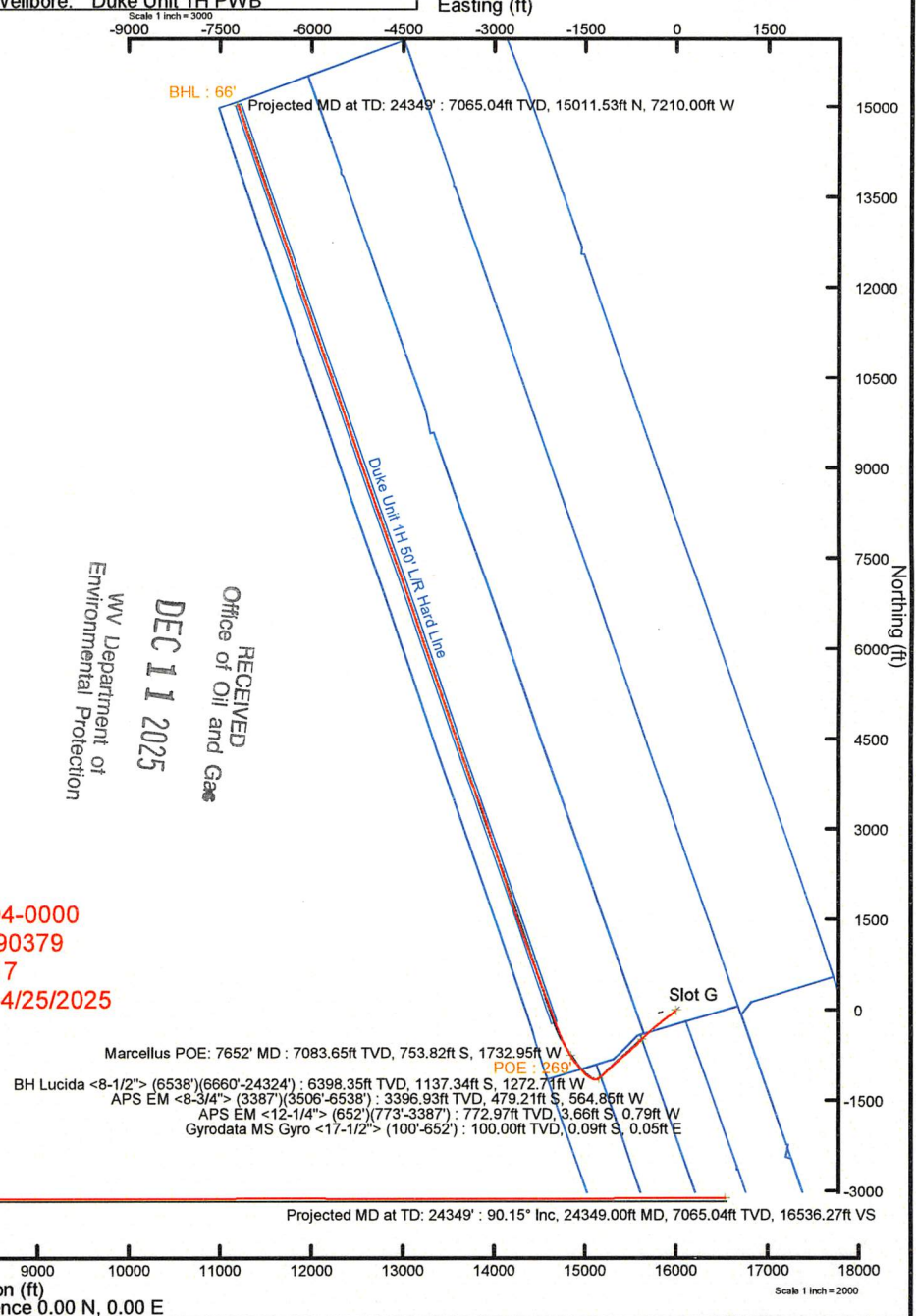
Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Cedar Pad	1721002.500	14368725.810	39°34'3.3492"N	80°42'50.5764"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Longitude
Slot G	46.55	293.25	1721295.630	14368772.340	39°34'3.8000"N 80°42'46.8300"W
Comment	Duke Unit 1H				
H&P 317 (RKB) to Ground level (At Slot: Slot G)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot G)	-1259ft				
H&P 317 (RKB) to Mean Sea Level	1275.5ft				

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*/100ft)	VS (ft)
Tie On	3387.00	16.480	225.710	3282.66	-455.08	-542.05	1.30	-255.43
Proj. to Bottom	3467.00	16.480	225.710	3359.37	-470.93	-558.30	0.00	-265.17
Drill Out	3547.00	16.480	225.710	3436.09	-486.78	-574.54	0.00	-274.92
Adj. Inc / Azi	3597.64	17.935	227.192	3484.45	-497.09	-585.40	3.00	-281.17
Curve KOP	6626.54	17.935	227.192	6366.18	-1130.89	-1269.66	0.00	-659.75
POE	7621.87	75.762	327.603	7081.00	-767.22	-1714.56	8.00	-171.79
Landing PT	7799.85	90.000	327.603	7103.00	-618.49	-1808.93	8.00	-0.53
On AZI	8250.99	90.000	341.137	7103.00	-212.68	-2003.62	3.00	446.43
BHL	24356.56	90.000	341.137	7103.00	15027.97	-7210.53	0.00	16551.99



Well Data			
Slot	Well	Wellbore	Wellpath
Slot G	Duke Unit 1H	Duke Unit 1H AWB	Duke Unit 1H AWP Proj: 24349'
Slot G	Duke Unit 1H	Duke Unit 1H PWB	Duke Unit 1H PWP Rev-B.0

API: 47-103-03694-0000
BH Job #: 112590379
Rig: H&P 317
Duration: 4/21/2025-4/25/2025



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Vertical Section (ft)
Azimuth 341.14° with reference 0.00 N, 0.00 E



Actual Wellpath Report

Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999607	Report Generated	4/25/2025 at 12:36:07 PM
Convergence at slot	0.18° 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	46.55	293.25	1721295.63	14368772.34	39°34'3.8000"N	80°42'46.8300"W
Facility Reference Pt			1721002.50	14368725.81	39°34'3.3492"N	80°42'50.5764"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	1275.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1275.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot G)	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	341.14°

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Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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	153.200	0.00	0.00	0.00	1721295.63	14368772.34	39°34'3.8000"N	80°42'46.8300"W	0.00	0.000	0.00	0.00	0.00		
25.50		0.000	153.200	25.50	0.00	0.00	1721295.63	14368772.34	39°34'3.8000"N	80°42'46.8300"W	0.00	0.000	0.00	0.00	0.00		
100.00		0.160	153.200	100.00	-0.10	-0.09	0.05	1721295.68	14368772.25	39°34'3.7991"N	80°42'46.8294"W	0.10	153.200	0.21	0.21	0.00	Gyrodata MS Gyro <17-1/2"> (100'-652')
200.00		0.160	145.980	200.00	-0.38	-0.33	0.19	1721295.82	14368772.01	39°34'3.7967"N	80°42'46.8276"W	0.38	150.571	0.02	0.00	-7.22	
300.00		0.170	152.740	300.00	-0.66	-0.58	0.33	1721295.96	14368771.76	39°34'3.7943"N	80°42'46.8258"W	0.67	150.095	0.02	0.01	6.76	
400.00		0.160	138.020	400.00	-0.93	-0.82	0.50	1721296.13	14368771.52	39°34'3.7920"N	80°42'46.8237"W	0.96	148.754	0.04	-0.01	-14.72	
500.00		0.210	177.620	500.00	-1.24	-1.10	0.60	1721296.23	14368771.24	39°34'3.7891"N	80°42'46.8224"W	1.25	151.608	0.13	0.05	39.60	
600.00		0.320	216.180	600.00	-1.57	-1.51	0.44	1721296.07	14368770.83	39°34'3.7851"N	80°42'46.8245"W	1.57	163.803	0.20	0.11	38.56	
652.00		0.370	205.130	652.00	-1.78	-1.78	0.28	1721295.91	14368770.56	39°34'3.7824"N	80°42'46.8265"W	1.80	170.999	0.16	0.10	-21.25	
773.00		1.680	210.610	772.97	-3.21	-3.66	-0.79	1721294.84	14368768.68	39°34'3.7639"N	80°42'46.8402"W	3.75	192.131	1.08	1.08	4.53	APS EM <12-1/4"> (652')(773'-3387')
864.00		3.830	222.870	863.86	-5.52	-7.04	-3.53	1721292.10	14368765.31	39°34'3.7306"N	80°42'46.8754"W	7.87	206.666	2.44	2.36	13.47	
955.00		6.310	228.810	954.50	-8.86	-12.56	-9.37	1721286.27	14368759.79	39°34'3.6762"N	80°42'46.9501"W	15.67	216.715	2.78	2.73	6.53	
1046.00		8.760	232.280	1044.71	-13.00	-20.09	-18.61	1721277.03	14368752.25	39°34'3.6020"N	80°42'47.0685"W	27.39	222.809	2.74	2.69	3.81	
1140.00		10.610	229.960	1137.37	-18.44	-30.04	-30.90	1721264.74	14368742.31	39°34'3.5041"N	80°42'47.2258"W	43.10	225.809	2.01	1.97	-2.47	
1235.00		12.460	229.970	1230.44	-25.30	-42.26	-45.44	1721250.20	14368730.10	39°34'3.3838"N	80°42'47.4120"W	62.06	227.080	1.95	1.95	0.01	
1330.00		14.860	234.030	1322.75	-32.59	-56.01	-63.15	1721232.50	14368716.35	39°34'3.2485"N	80°42'47.6387"W	84.41	228.432	2.72	2.53	4.27	
1424.00		16.940	234.470	1413.15	-40.06	-71.05	-84.06	1721211.61	14368701.32	39°34'3.1005"N	80°42'47.9062"W	110.06	229.794	2.22	2.21	0.47	
1519.00		16.710	233.880	1504.08	-48.08	-87.14	-106.35	1721189.32	14368685.23	39°34'2.9421"N	80°42'48.1916"W	137.49	230.670	0.30	-0.24	-0.62	
1613.00		16.960	230.530	1594.06	-56.92	-103.82	-127.85	1721167.83	14368668.56	39°34'2.7780"N	80°42'48.4668"W	164.70	230.921	1.07	0.27	-3.56	
1708.00		17.330	231.890	1684.84	-66.46	-121.36	-149.68	1721146.01	14368651.02	39°34'2.6053"N	80°42'48.7462"W	192.70	230.964	0.57	0.39	1.43	
1803.00		17.040	231.580	1775.59	-75.79	-138.75	-171.72	1721123.98	14368633.65	39°34'2.4342"N	80°42'49.0284"W	220.77	231.062	0.32	-0.31	-0.33	
1897.00		17.700	232.820	1865.31	-84.89	-155.94	-193.90	1721101.81	14368616.46	39°34'2.2649"N	80°42'49.3122"W	248.82	231.192	0.80	0.70	1.32	
1992.00		17.840	232.570	1955.78	-94.06	-173.51	-216.96	1721078.76	14368598.90	39°34'2.0920"N	80°42'49.6074"W	277.81	231.349	0.17	0.15	-0.26	
2087.00		17.550	232.830	2046.28	-103.20	-191.01	-239.93	1721055.80	14368581.40	39°34'1.9198"N	80°42'49.9014"W	306.68	231.476	0.32	-0.31	0.27	
2182.00		17.320	231.040	2136.92	-112.56	-208.56	-262.34	1721033.40	14368563.87	39°34'1.7471"N	80°42'50.1883"W	335.14	231.515	0.61	-0.24	-1.88	
2276.00		16.970	229.550	2226.74	-122.41	-226.25	-283.66	1721012.09	14368546.17	39°34'1.5728"N	80°42'50.4612"W	362.84	231.423	0.60	-0.37	-1.59	
2371.00		17.800	230.280	2317.40	-132.69	-244.53	-305.38	1720990.38	14368527.91	39°34'1.3929"N	80°42'50.7393"W	391.21	231.314	0.90	0.87	0.77	
2466.00		18.180	229.780	2407.75	-143.25	-263.38	-327.86	1720967.90	14368509.07	39°34'1.2073"N	80°42'51.0272"W	420.55	231.224	0.43	0.40	-0.53	
2560.00		18.360	230.160	2497.02	-153.90	-282.33	-350.42	1720945.34	14368490.12	39°34'1.0207"N	80°42'51.3161"W	450.01	231.142	0.23	0.19	0.40	
2654.00		18.220	230.320	2586.27	-164.42	-301.20	-373.10	1720922.68	14368471.26	39°34'0.8350"N	80°42'51.6064"W	479.51	231.087	0.16	-0.15	0.17	

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Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
2749.00	18.920	228.990	2676.32	-175.51	-320.79	-396.15	1720899.63	14368451.68	39°34'0.6421"N	80°42'51.9015"W	509.75	231.001	0.86	0.74	-1.40	
2844.00	18.960	228.190	2766.18	-187.33	-341.18	-419.28	1720876.52	14368431.29	39°34'0.4412"N	80°42'52.1977"W	540.56	230.863	0.28	0.04	-0.84	
2939.00	18.820	228.180	2856.06	-199.33	-361.69	-442.20	1720853.60	14368410.79	39°34'0.2393"N	80°42'52.4912"W	571.28	230.719	0.15	-0.15	-0.01	
3033.00	18.430	226.990	2945.14	-211.32	-381.94	-464.37	1720831.45	14368390.56	39°34'0.0399"N	80°42'52.7750"W	601.26	230.563	0.58	-0.41	-1.27	
3128.00	17.850	225.570	3035.42	-223.75	-402.37	-485.75	1720810.08	14368370.13	39°33'59.8386"N	80°42'53.0488"W	630.76	230.363	0.77	-0.61	-1.49	
3223.00	17.570	227.060	3125.92	-235.88	-422.33	-506.64	1720789.19	14368350.17	39°33'59.6420"N	80°42'53.3164"W	659.58	230.186	0.56	-0.29	1.57	
3318.00	17.100	227.960	3216.60	-247.23	-441.45	-527.51	1720768.33	14368331.06	39°33'59.4536"N	80°42'53.5837"W	687.86	230.075	0.57	-0.49	0.95	
3387.00	16.480	225.710	3282.66	-255.43	-455.08	-542.05	1720753.79	14368317.44	39°33'59.3194"N	80°42'53.7699"W	707.76	229.985	1.30	-0.90	-3.26	
3506.00	15.950	220.970	3396.93	-270.89	-479.21	-564.85	1720731.00	14368293.31	39°33'59.0816"N	80°42'54.0621"W	740.75	229.689	1.20	-0.45	-3.98	APS EM <8-3/4"> (3387)(3506-6538)
3601.00	17.690	222.330	3487.86	-284.41	-499.74	-583.13	1720712.73	14368272.79	39°33'58.8793"N	80°42'54.2963"W	767.98	229.404	1.88	1.83	1.43	
3696.00	19.120	224.190	3578.00	-298.42	-521.57	-603.70	1720692.17	14368250.98	39°33'58.6642"N	80°42'54.5598"W	797.80	229.174	1.63	1.51	1.96	
3790.00	19.170	222.660	3666.80	-312.75	-543.96	-624.89	1720670.99	14368228.60	39°33'58.4436"N	80°42'54.8313"W	828.48	228.961	0.54	0.05	-1.63	
3885.00	19.780	224.590	3756.37	-327.38	-566.88	-646.74	1720649.14	14368205.69	39°33'58.2178"N	80°42'55.1112"W	860.02	228.765	0.93	0.64	2.03	
3979.00	18.910	229.640	3845.07	-340.07	-588.07	-669.52	1720626.38	14368184.50	39°33'58.0091"N	80°42'55.4029"W	891.11	228.706	2.01	-0.93	5.37	
4074.00	18.270	229.280	3935.11	-351.26	-607.75	-692.54	1720603.37	14368164.83	39°33'57.8152"N	80°42'55.6976"W	921.39	228.731	0.68	-0.67	-0.38	
4169.00	17.660	227.380	4025.48	-362.61	-627.22	-714.43	1720581.49	14368145.36	39°33'57.6235"N	80°42'55.9779"W	950.69	228.719	0.89	-0.64	-2.00	
4263.00	16.830	225.530	4115.25	-374.23	-646.41	-734.63	1720561.29	14368126.18	39°33'57.4345"N	80°42'56.2366"W	978.53	228.655	1.06	-0.88	-1.97	
4358.00	18.010	225.860	4205.89	-386.45	-666.28	-754.98	1720540.94	14368106.33	39°33'57.2388"N	80°42'56.4973"W	1006.94	228.571	1.25	1.24	0.35	
4453.00	18.930	228.290	4296.00	-398.71	-686.76	-777.03	1720518.91	14368085.85	39°33'57.0371"N	80°42'56.7796"W	1037.02	228.529	1.26	0.97	2.56	
4548.00	18.970	228.370	4385.85	-410.67	-707.27	-800.07	1720495.87	14368065.35	39°33'56.8351"N	80°42'57.0747"W	1067.87	228.523	0.05	0.04	0.08	
4642.00	18.500	228.910	4474.87	-422.22	-727.22	-822.73	1720473.22	14368045.41	39°33'56.6386"N	80°42'57.3649"W	1098.06	228.526	0.53	-0.50	0.57	
4737.00	17.580	227.730	4565.20	-433.62	-746.78	-844.71	1720451.26	14368025.86	39°33'56.4460"N	80°42'57.6463"W	1127.48	228.521	1.04	-0.97	-1.24	
4832.00	17.490	229.750	4655.79	-444.53	-765.65	-866.22	1720429.75	14368006.99	39°33'56.2601"N	80°42'57.9217"W	1156.10	228.527	0.65	-0.09	2.13	
4926.00	16.070	228.460	4745.78	-454.70	-783.41	-886.74	1720409.24	14367989.24	39°33'56.0853"N	80°42'58.1844"W	1183.23	228.540	1.56	-1.51	-1.37	
5024.00	16.730	226.540	4839.80	-465.80	-802.10	-907.13	1720388.86	14367970.55	39°33'55.9011"N	80°42'58.4456"W	1210.89	228.516	0.87	0.67	-1.96	
5118.00	17.910	224.430	4929.53	-477.93	-821.73	-927.07	1720368.92	14367950.93	39°33'55.7078"N	80°42'58.7009"W	1238.83	228.447	1.42	1.26	-2.24	
5213.00	19.110	226.500	5019.62	-490.98	-842.87	-948.58	1720347.43	14367929.81	39°33'55.4995"N	80°42'58.9764"W	1268.95	228.377	1.44	1.26	2.18	
5308.00	18.890	230.500	5109.45	-502.89	-863.35	-971.73	1720324.29	14367909.33	39°33'55.2978"N	80°42'59.2728"W	1299.86	228.380	1.39	-0.23	4.21	
5402.00	17.320	227.840	5198.79	-513.78	-882.43	-993.84	1720302.18	14367890.26	39°33'55.1100"N	80°42'59.5559"W	1329.06	228.398	1.89	-1.67	-2.83	
5497.00	17.110	228.780	5289.53	-524.69	-901.13	-1014.83	1720281.20	14367871.57	39°33'54.9258"N	80°42'59.8248"W	1357.17	228.396	0.37	-0.22	0.99	

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Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

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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
5591.00	17.940	229.710	5379.17	-535.24	-919.60	-1036.28	1720259.76	14367853.10	39°33'54.7439"N	80°43'0.0993"W	1385.47	228.414	0.93	0.88	0.99	
5686.00	19.720	228.660	5469.08	-546.72	-939.65	-1059.47	1720236.57	14367833.06	39°33'54.5465"N	80°43'0.3963"W	1416.13	228.430	1.91	1.87	-1.11	
5781.00	18.790	224.930	5558.77	-559.61	-961.07	-1082.31	1720213.74	14367811.65	39°33'54.3355"N	80°43'0.6888"W	1447.43	228.396	1.62	-0.98	-3.93	
5875.00	18.790	225.900	5647.76	-572.75	-982.32	-1103.88	1720192.19	14367790.40	39°33'54.1261"N	80°43'0.9650"W	1477.67	228.335	0.33	0.00	1.03	
5970.00	18.600	228.550	5737.75	-585.09	-1003.00	-1126.22	1720169.85	14367769.74	39°33'53.9225"N	80°43'1.2511"W	1508.11	228.312	0.92	-0.20	2.79	
6065.00	17.950	226.820	5827.96	-596.94	-1023.05	-1148.25	1720147.83	14367749.70	39°33'53.7250"N	80°43'1.5332"W	1537.89	228.300	0.89	-0.68	-1.82	
6159.00	17.720	227.960	5917.44	-608.54	-1042.54	-1169.44	1720126.65	14367730.21	39°33'53.5330"N	80°43'1.8045"W	1566.68	228.283	0.44	-0.24	1.21	
6254.00	17.390	229.260	6008.02	-619.52	-1061.48	-1190.93	1720105.17	14367711.27	39°33'53.3464"N	80°43'2.0797"W	1595.33	228.289	0.54	-0.35	1.37	
6349.00	15.310	225.770	6099.17	-630.18	-1079.50	-1210.68	1720085.43	14367693.27	39°33'53.1690"N	80°43'2.3326"W	1622.06	228.278	2.42	-2.19	-3.67	
6443.00	15.060	226.400	6189.89	-640.61	-1096.58	-1228.41	1720067.70	14367676.19	39°33'53.0008"N	80°43'2.5597"W	1646.66	228.245	0.32	-0.27	0.67	
6538.00	15.930	224.930	6281.44	-651.53	-1114.32	-1246.56	1720049.56	14367658.46	39°33'52.8260"N	80°43'2.7921"W	1672.01	228.206	1.00	0.92	-1.55	
6660.00	17.320	232.080	6398.35	-664.86	-1137.34	-1272.71	1720023.42	14367635.45	39°33'52.5993"N	80°43'3.1270"W	1706.85	228.215	2.03	1.14	5.86	BH Lucida <8-1/2"> (6538')(6660'-24324')
6754.00	18.930	253.370	6487.78	-668.84	-1150.32	-1298.39	1719997.75	14367622.48	39°33'52.4719"N	80°43'3.4554"W	1734.66	228.461	7.21	1.71	22.65	
6849.00	21.560	274.290	6577.02	-661.37	-1153.42	-1330.61	1719965.54	14367619.37	39°33'52.4421"N	80°43'3.8669"W	1760.94	229.080	8.06	2.77	22.02	
6944.00	26.700	292.440	6663.81	-640.38	-1143.95	-1367.82	1719928.35	14367628.84	39°33'52.5369"N	80°43'4.3416"W	1783.13	230.093	9.44	5.41	19.11	
7037.00†	32.593	302.629	6744.65	-606.94	-1122.44	-1408.29	1719887.90	14367650.34	39°33'52.7508"N	80°43'4.8575"W	1800.87	231.444	8.32	6.34	10.96	Sycamore: 7037' MD
7038.00	32.660	302.720	6745.49	-606.52	-1122.15	-1408.74	1719887.44	14367650.64	39°33'52.7537"N	80°43'4.8633"W	1801.05	231.461	8.32	6.72	9.10	
7133.00	39.460	309.110	6822.27	-560.77	-1089.20	-1453.80	1719842.40	14367683.57	39°33'53.0807"N	80°43'5.4373"W	1816.56	233.159	8.17	7.16	6.73	
7204.00†	45.598	312.263	6874.58	-519.39	-1057.88	-1490.12	1719806.10	14367714.88	39°33'53.3914"N	80°43'5.8997"W	1827.44	234.628	9.15	8.64	4.44	Middlesex: 7204' MD
7228.00	47.690	313.180	6891.05	-504.04	-1046.04	-1502.93	1719793.29	14367726.72	39°33'53.5088"N	80°43'6.0629"W	1831.12	235.162	9.15	8.72	3.82	
7322.00	55.460	317.530	6949.44	-437.75	-993.60	-1554.51	1719741.73	14367779.13	39°33'54.0287"N	80°43'6.7194"W	1844.93	237.415	9.02	8.27	4.63	
7365.00†	58.412	318.874	6972.90	-404.56	-966.73	-1578.52	1719717.73	14367805.99	39°33'54.2949"N	80°43'7.0249"W	1851.03	238.516	7.35	6.87	3.13	Burkett: 7365' MD
7417.00	62.000	320.390	6998.74	-362.58	-932.35	-1607.74	1719688.53	14367840.36	39°33'54.6356"N	80°43'7.3966"W	1858.52	239.890	7.35	6.90	2.92	
7421.00†	62.202	320.491	7000.61	-359.27	-929.62	-1609.99	1719686.28	14367843.08	39°33'54.6626"N	80°43'7.4252"W	1859.10	239.997	5.52	5.05	2.52	Tully: 7421' MD
7512.00	66.820	322.690	7039.76	-281.88	-865.26	-1660.98	1719635.30	14367907.42	39°33'55.3003"N	80°43'8.0737"W	1872.84	242.483	5.52	5.07	2.42	
7607.00	73.470	329.180	7072.04	-195.74	-791.27	-1710.88	1719585.42	14367981.38	39°33'56.0331"N	80°43'8.7080"W	1885.00	245.180	9.50	7.00	6.83	
7652.00†	76.614	329.792	7083.65	-153.16	-753.82	-1732.95	1719563.36	14368018.81	39°33'56.4039"N	80°43'8.9883"W	1889.81	246.491	7.11	6.99	1.36	Marcellus POE: 7652' MD
7701.00	80.040	330.440	7093.57	-106.07	-712.22	-1756.86	1719539.47	14368060.40	39°33'56.8158"N	80°43'9.2918"W	1895.73	247.933	7.11	6.99	1.32	
7796.00	88.680	330.320	7102.89	-13.28	-630.11	-1803.54	1719492.80	14368142.47	39°33'57.6287"N	80°43'9.8846"W	1910.44	250.742	9.10	9.09	-0.13	
7891.00	90.030	334.310	7103.96	80.57	-546.02	-1847.66	1719448.70	14368226.54	39°33'58.4613"N	80°43'10.4447"W	1926.65	253.537	4.43	1.42	4.20	

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Actual Wellpath Report

Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
7986.00	90.060	337.470	7103.89	175.16	-459.31	-1886.46	1719409.91	14368313.21	39°33'59.3193"N	80°43'10.9367"W	1941.58	256.316	3.33	0.03	3.33	
8080.00	89.970	337.540	7103.87	268.97	-372.47	-1922.43	1719373.96	14368400.02	39°34'0.1788"N	80°43'11.3925"W	1958.18	259.035	0.12	-0.10	0.07	
8175.00	90.000	339.690	7103.89	363.87	-284.01	-1957.07	1719339.33	14368488.44	39°34'1.0541"N	80°43'11.8313"W	1977.57	261.743	2.26	0.03	2.26	
8269.00	90.000	339.670	7103.89	457.84	-195.86	-1989.71	1719306.71	14368576.56	39°34'1.9263"N	80°43'12.2446"W	1999.33	264.378	0.02	0.00	-0.02	
8364.00	90.120	339.820	7103.79	552.81	-106.74	-2022.60	1719273.83	14368665.65	39°34'2.8081"N	80°43'12.6610"W	2025.41	266.979	0.20	0.13	0.16	
8459.00	89.910	339.560	7103.77	647.78	-17.64	-2055.57	1719240.87	14368754.70	39°34'3.6897"N	80°43'13.0785"W	2055.65	269.508	0.35	-0.22	-0.27	
8554.00	90.340	340.100	7103.56	742.76	71.53	-2088.33	1719208.12	14368843.84	39°34'4.5720"N	80°43'13.4932"W	2089.55	271.962	0.73	0.45	0.57	
8648.00	89.480	339.960	7103.71	836.74	159.88	-2120.43	1719176.03	14368932.15	39°34'5.4461"N	80°43'13.8997"W	2126.45	274.312	0.93	-0.91	-0.15	
8743.00	89.320	339.690	7104.70	931.71	249.04	-2153.20	1719143.28	14369021.29	39°34'6.3284"N	80°43'14.3145"W	2167.55	276.598	0.33	-0.17	-0.28	
8838.00	89.570	339.720	7105.62	1026.67	338.14	-2186.14	1719110.35	14369110.35	39°34'7.2100"N	80°43'14.7317"W	2212.14	278.793	0.27	0.26	0.03	
8932.00	89.480	339.820	7106.40	1120.64	426.34	-2218.65	1719077.86	14369198.51	39°34'8.0826"N	80°43'15.1432"W	2259.24	280.877	0.14	-0.10	0.11	
9027.00	89.570	339.880	7107.19	1215.62	515.52	-2251.37	1719045.15	14369287.66	39°34'8.9651"N	80°43'15.5576"W	2309.64	282.897	0.11	0.09	0.06	
9122.00	89.540	340.050	7107.93	1310.59	604.77	-2283.92	1719012.61	14369376.87	39°34'9.8481"N	80°43'15.9696"W	2362.63	284.831	0.18	-0.03	0.18	
9216.00	89.600	340.170	7108.63	1404.58	693.16	-2315.90	1718980.65	14369465.23	39°34'10.7227"N	80°43'16.3745"W	2417.41	286.663	0.14	0.06	0.13	
9311.00	89.630	339.960	7109.27	1499.56	782.47	-2348.29	1718948.27	14369554.50	39°34'11.6063"N	80°43'16.7845"W	2475.22	288.428	0.22	0.03	-0.22	
9405.00	89.380	339.410	7110.08	1593.52	870.62	-2380.92	1718915.65	14369642.61	39°34'12.4785"N	80°43'17.1978"W	2535.10	290.086	0.64	-0.27	-0.59	
9500.00	89.480	339.770	7111.03	1688.48	959.65	-2414.05	1718882.53	14369731.61	39°34'13.3594"N	80°43'17.6173"W	2597.80	291.679	0.39	0.11	0.38	
9595.00	90.340	339.700	7111.18	1783.45	1048.77	-2446.95	1718849.64	14369820.69	39°34'14.2412"N	80°43'18.0339"W	2662.23	293.200	0.91	0.91	-0.07	
9689.00	90.340	339.570	7110.62	1877.42	1136.89	-2479.66	1718816.94	14369908.78	39°34'15.1131"N	80°43'18.4482"W	2727.87	294.631	0.14	0.00	-0.14	
9784.00	90.310	339.790	7110.08	1972.39	1225.98	-2512.65	1718783.97	14369997.83	39°34'15.9946"N	80°43'18.8659"W	2795.79	296.009	0.23	-0.03	0.23	
9879.00	90.680	340.020	7109.26	2067.36	1315.19	-2545.29	1718751.34	14370087.01	39°34'16.8773"N	80°43'19.2792"W	2865.00	297.326	0.46	0.39	0.24	
9973.00	90.400	339.870	7108.37	2161.34	1403.48	-2577.53	1718719.12	14370175.27	39°34'17.7509"N	80°43'19.6873"W	2934.86	298.569	0.34	-0.30	-0.16	
10068.00	90.030	341.670	7108.02	2256.33	1493.18	-2608.81	1718687.85	14370264.93	39°34'18.6384"N	80°43'20.0833"W	3005.91	299.785	1.93	-0.39	1.89	
10163.00	90.280	342.150	7107.76	2351.32	1583.48	-2638.31	1718658.36	14370355.20	39°34'19.5318"N	80°43'20.4564"W	3077.03	300.972	0.57	0.26	0.51	
10258.00	90.310	342.090	7107.27	2446.30	1673.89	-2667.48	1718629.20	14370445.57	39°34'20.4262"N	80°43'20.8253"W	3149.18	302.109	0.07	0.03	-0.06	
10352.00	90.340	341.700	7106.74	2540.30	1763.24	-2696.69	1718600.00	14370534.88	39°34'21.3101"N	80°43'21.1948"W	3221.98	303.179	0.42	0.03	-0.41	
10447.00	90.430	342.800	7106.10	2635.27	1853.71	-2725.65	1718571.05	14370625.32	39°34'22.2051"N	80°43'21.5611"W	3296.27	304.220	1.16	0.09	1.16	
10542.00	90.280	342.120	7105.51	2730.25	1944.29	-2754.28	1718542.44	14370715.87	39°34'23.1012"N	80°43'21.9231"W	3371.40	305.219	0.73	-0.16	-0.72	
10636.00	90.310	342.290	7105.03	2824.23	2033.79	-2783.01	1718513.72	14370805.33	39°34'23.9867"N	80°43'22.2865"W	3446.95	306.159	0.18	0.03	0.18	
10731.00	90.550	342.640	7104.31	2919.20	2124.38	-2811.63	1718485.11	14370895.88	39°34'24.8828"N	80°43'22.6484"W	3523.95	307.074	0.45	0.25	0.37	

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Actual Wellpath Report

Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
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Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
10825.00	90.250	342.390	7103.66	3013.17	2214.03	-2839.87	1718456.88	14370985.50	39°34'25.7697"N	80°43'23.0055"W	3600.94	307.941	0.42	-0.32	-0.27	
10920.00	91.390	341.880	7102.30	3108.14	2304.44	-2869.01	1718427.75	14371075.87	39°34'26.6641"N	80°43'23.3741"W	3679.90	308.772	1.31	1.20	-0.54	
11014.00	90.220	341.940	7100.98	3202.13	2393.78	-2898.20	1718398.58	14371165.18	39°34'27.5480"N	80°43'23.7433"W	3758.95	309.555	1.25	-1.24	0.06	
11109.00	90.400	342.180	7100.46	3297.11	2484.16	-2927.46	1718369.33	14371255.52	39°34'28.4421"N	80°43'24.1134"W	3839.41	310.317	0.32	0.19	0.25	
11204.00	91.020	342.430	7099.29	3392.08	2574.66	-2956.33	1718340.47	14371345.98	39°34'29.3374"N	80°43'24.4786"W	3920.30	311.053	0.70	0.65	0.26	
11298.00	90.770	341.970	7097.82	3486.06	2664.15	-2985.06	1718311.75	14371435.44	39°34'30.2227"N	80°43'24.8420"W	4001.04	311.749	0.56	-0.27	-0.49	
11393.00	90.490	342.100	7096.77	3581.04	2754.51	-3014.36	1718282.46	14371525.77	39°34'31.1167"N	80°43'25.2126"W	4083.35	312.421	0.32	-0.29	0.14	
11488.00	90.490	342.020	7095.96	3676.02	2844.89	-3043.62	1718253.21	14371616.11	39°34'32.0108"N	80°43'25.5827"W	4166.18	313.067	0.08	0.00	-0.08	
11582.00	90.520	342.120	7095.13	3770.01	2934.32	-3072.56	1718224.28	14371705.50	39°34'32.8956"N	80°43'25.9488"W	4248.63	313.682	0.11	0.03	0.11	
11677.00	90.490	342.060	7094.29	3864.99	3024.71	-3101.77	1718195.08	14371795.86	39°34'33.7898"N	80°43'26.3183"W	4332.42	314.279	0.07	-0.03	-0.06	
11772.00	90.620	342.080	7093.37	3959.97	3115.10	-3131.02	1718165.85	14371886.21	39°34'34.6840"N	80°43'26.6882"W	4416.68	314.854	0.14	0.14	0.02	
11866.00	90.680	342.430	7092.31	4053.95	3204.62	-3159.67	1718137.21	14371975.69	39°34'35.5696"N	80°43'27.0506"W	4500.34	315.405	0.38	0.06	0.37	
11961.00	90.400	341.950	7091.41	4148.93	3295.06	-3188.72	1718108.17	14372066.10	39°34'36.4643"N	80°43'27.4181"W	4585.34	315.940	0.58	-0.29	-0.51	
12056.00	90.460	338.940	7090.70	4243.91	3384.57	-3220.51	1718076.39	14372155.57	39°34'37.3499"N	80°43'27.8206"W	4671.94	316.423	3.17	0.06	-3.17	
12150.00	90.310	338.620	7090.07	4337.83	3472.19	-3254.54	1718042.38	14372243.16	39°34'38.2170"N	80°43'28.2517"W	4759.00	316.853	0.38	-0.16	-0.34	
12245.00	90.520	338.890	7089.38	4432.74	3560.73	-3288.96	1718007.97	14372331.67	39°34'39.0931"N	80°43'28.6878"W	4847.28	317.272	0.36	0.22	0.28	
12340.00	90.460	338.190	7088.57	4527.64	3649.14	-3323.71	1717973.23	14372420.04	39°34'39.9679"N	80°43'29.1282"W	4935.92	317.672	0.74	-0.06	-0.74	
12434.00	90.620	338.830	7087.68	4621.54	3736.60	-3358.15	1717938.81	14372507.47	39°34'40.8333"N	80°43'29.5645"W	5023.88	318.053	0.70	0.17	0.68	
12529.00	90.490	341.290	7086.76	4716.51	3825.90	-3390.54	1717906.43	14372596.73	39°34'41.7168"N	80°43'29.9748"W	5112.07	318.452	2.59	-0.14	2.59	
12624.00	90.550	341.190	7085.90	4811.50	3915.85	-3421.09	1717875.89	14372686.64	39°34'42.6067"N	80°43'30.3614"W	5199.78	318.858	0.12	0.06	-0.11	
12719.00	90.060	341.320	7085.39	4906.50	4005.81	-3451.62	1717845.37	14372776.57	39°34'43.4967"N	80°43'30.7478"W	5287.74	319.250	0.53	-0.52	0.14	
12813.00	90.090	341.170	7085.27	5000.50	4094.82	-3481.84	1717815.16	14372865.54	39°34'44.3773"N	80°43'31.1303"W	5375.01	319.625	0.16	0.03	-0.16	
12908.00	90.280	341.350	7084.96	5095.50	4184.78	-3512.37	1717784.65	14372955.47	39°34'45.2674"N	80°43'31.5166"W	5463.43	319.993	0.28	0.20	0.19	
13003.00	90.250	341.240	7084.52	5190.50	4274.76	-3542.83	1717754.20	14373045.41	39°34'46.1576"N	80°43'31.9022"W	5552.05	320.349	0.12	-0.03	-0.12	
13097.00	90.340	341.430	7084.04	5284.50	4363.82	-3572.91	1717724.13	14373134.43	39°34'47.0387"N	80°43'32.2829"W	5639.91	320.691	0.22	0.10	0.20	
13192.00	90.060	341.080	7083.71	5379.50	4453.78	-3603.44	1717693.61	14373224.36	39°34'47.9287"N	80°43'32.6693"W	5728.95	321.025	0.47	-0.29	-0.37	
13287.00	90.090	341.310	7083.58	5474.50	4543.70	-3634.07	1717663.00	14373314.25	39°34'48.8184"N	80°43'33.0569"W	5818.22	321.347	0.24	0.03	0.24	
13381.00	90.150	341.100	7083.39	5568.50	4632.69	-3664.35	1717632.72	14373403.20	39°34'49.6988"N	80°43'33.4402"W	5906.72	321.657	0.23	0.06	-0.22	
13476.00	90.340	341.290	7082.98	5663.49	4722.62	-3694.97	1717602.11	14373493.10	39°34'50.5885"N	80°43'33.8278"W	5996.33	321.960	0.28	0.20	0.20	
13571.00	89.820	341.370	7082.85	5758.49	4812.62	-3725.38	1717571.72	14373583.06	39°34'51.4789"N	80°43'34.2127"W	6086.03	322.257	0.55	-0.55	0.08	

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Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
13665.00	90.180	341.280	7082.85	5852.49	4901.67	-3755.48	1717541.63	14373672.08	39°34'52.3599"N	80°43'34.5936"W	6174.95	322.542	0.39	0.38	-0.10	
13760.00	90.220	340.970	7082.52	5947.49	4991.56	-3786.22	1717510.91	14373761.93	39°34'53.2492"N	80°43'34.9826"W	6265.07	322.819	0.33	0.04	-0.33	
13855.00	90.310	341.530	7082.08	6042.49	5081.52	-3816.75	1717480.38	14373851.85	39°34'54.1392"N	80°43'35.3691"W	6355.27	323.090	0.60	0.09	0.59	
13949.00	90.250	341.470	7081.62	6136.49	5170.66	-3846.58	1717450.57	14373940.96	39°34'55.0211"N	80°43'35.7466"W	6444.52	323.354	0.09	-0.06	-0.06	
14044.00	90.180	341.300	7081.26	6231.49	5260.69	-3876.90	1717420.26	14374030.95	39°34'55.9118"N	80°43'36.1304"W	6534.92	323.611	0.19	-0.07	-0.18	
14139.00	90.120	341.030	7081.01	6326.49	5350.60	-3907.57	1717389.60	14374120.83	39°34'56.8013"N	80°43'36.5186"W	6625.56	323.859	0.29	-0.06	-0.28	
14233.00	90.310	341.130	7080.66	6420.48	5439.52	-3938.05	1717359.13	14374209.72	39°34'57.6811"N	80°43'36.9045"W	6715.41	324.097	0.23	0.20	0.11	
14328.00	90.460	341.290	7080.02	6515.48	5529.46	-3968.65	1717328.54	14374299.62	39°34'58.5708"N	80°43'37.2918"W	6806.25	324.332	0.23	0.16	0.17	
14423.00	90.430	341.270	7079.28	6610.48	5619.43	-3999.14	1717298.07	14374389.55	39°34'59.4609"N	80°43'37.6777"W	6897.18	324.562	0.04	-0.03	-0.02	
14517.00	90.220	341.010	7078.75	6704.48	5708.38	-4029.53	1717267.69	14374478.47	39°35'0.3410"N	80°43'38.0623"W	6987.32	324.782	0.36	-0.22	-0.28	
14612.00	90.400	341.270	7078.24	6799.48	5798.28	-4060.23	1717237.00	14374568.33	39°35'1.2304"N	80°43'38.4510"W	7078.53	324.998	0.33	0.19	0.27	
14707.00	90.150	341.260	7077.78	6894.47	5888.25	-4090.75	1717206.50	14374658.26	39°35'2.1204"N	80°43'38.8373"W	7169.77	325.211	0.26	-0.26	-0.01	
14801.00	90.090	341.070	7077.58	6988.47	5977.21	-4121.09	1717176.16	14374747.19	39°35'3.0006"N	80°43'39.2214"W	7260.20	325.415	0.21	-0.06	-0.20	
14896.00	90.220	341.270	7077.33	7083.47	6067.13	-4151.76	1717145.51	14374837.07	39°35'3.8902"N	80°43'39.6096"W	7351.67	325.616	0.25	0.14	0.21	
14991.00	90.180	340.970	7076.99	7178.47	6157.01	-4182.50	1717114.78	14374926.93	39°35'4.7795"N	80°43'39.9987"W	7443.26	325.811	0.32	-0.04	-0.32	
15085.00	90.220	341.460	7076.67	7272.47	6246.01	-4212.77	1717084.53	14375015.88	39°35'5.6599"N	80°43'40.3819"W	7533.92	326.001	0.52	0.04	0.52	
15180.00	90.180	341.390	7076.33	7367.47	6336.06	-4243.03	1717054.28	14375105.90	39°35'6.5508"N	80°43'40.7649"W	7625.54	326.191	0.08	-0.04	-0.07	
15275.00	90.180	341.210	7076.04	7462.47	6426.04	-4273.49	1717023.83	14375195.85	39°35'7.4410"N	80°43'41.1505"W	7717.30	326.375	0.19	0.00	-0.19	
15369.00	90.180	341.330	7075.74	7556.47	6515.06	-4303.67	1716993.66	14375284.83	39°35'8.3218"N	80°43'41.5325"W	7808.18	326.552	0.13	0.00	0.13	
15464.00	90.280	341.260	7075.36	7651.47	6605.05	-4334.14	1716963.20	14375374.78	39°35'9.2120"N	80°43'41.9182"W	7900.09	326.728	0.13	0.11	-0.07	
15558.00	90.120	341.300	7075.03	7745.47	6694.07	-4364.30	1716933.05	14375463.77	39°35'10.0927"N	80°43'42.3001"W	7991.10	326.897	0.18	-0.17	0.04	
15653.00	90.340	341.350	7074.65	7840.47	6784.07	-4394.72	1716902.64	14375553.73	39°35'10.9831"N	80°43'42.6851"W	8083.14	327.065	0.24	0.23	0.05	
15748.00	90.030	341.370	7074.34	7935.46	6874.09	-4425.09	1716872.29	14375643.71	39°35'11.8737"N	80°43'43.0695"W	8175.23	327.229	0.33	-0.33	0.02	
15842.00	90.090	341.480	7074.25	8029.46	6963.19	-4455.03	1716842.36	14375732.78	39°35'12.7552"N	80°43'43.4485"W	8266.40	327.389	0.13	0.06	0.12	
15937.00	90.150	341.220	7074.05	8124.46	7053.20	-4485.41	1716811.99	14375822.76	39°35'13.6457"N	80°43'43.8331"W	8358.62	327.546	0.28	0.06	-0.27	
16032.00	90.120	341.180	7073.82	8219.46	7143.13	-4516.03	1716781.39	14375912.65	39°35'14.5354"N	80°43'44.2206"W	8450.97	327.698	0.05	-0.03	-0.04	
16126.00	90.120	341.330	7073.63	8313.46	7232.15	-4546.23	1716751.19	14376001.63	39°35'15.4160"N	80°43'44.6030"W	8542.37	327.846	0.16	0.00	0.16	
16221.00	90.000	341.370	7073.53	8408.46	7322.16	-4576.61	1716720.82	14376091.61	39°35'16.3065"N	80°43'44.9876"W	8634.78	327.993	0.13	-0.13	0.04	
16316.00	89.910	340.280	7073.60	8503.46	7411.88	-4607.82	1716689.63	14376181.30	39°35'17.1943"N	80°43'45.3827"W	8727.43	328.132	1.15	-0.09	-1.15	
16411.00	90.030	339.120	7073.65	8598.43	7500.98	-4640.77	1716656.69	14376270.36	39°35'18.0758"N	80°43'45.8003"W	8820.52	328.255	1.23	0.13	-1.22	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
16505.00	90.310	341.170	7073.37	8692.41	7589.39	-4672.70	1716624.78	14376358.74	39°35'18.9505"N	80°43'46.2046"W	8912.52	328.380	2.20	0.30	2.18	
16600.00	90.150	341.160	7072.99	8787.41	7679.30	-4703.37	1716594.12	14376448.61	39°35'19.8400"N	80°43'46.5929"W	9005.18	328.514	0.17	-0.17	-0.01	
16695.00	90.280	341.510	7072.63	8882.40	7769.30	-4733.77	1716563.73	14376538.58	39°35'20.7305"N	80°43'46.9778"W	9097.84	328.646	0.39	0.14	0.37	
16789.00	90.250	341.330	7072.20	8976.40	7858.40	-4763.72	1716533.79	14376627.64	39°35'21.6119"N	80°43'47.3569"W	9189.54	328.776	0.19	-0.03	-0.19	
16884.00	90.180	339.600	7071.84	9071.39	7947.93	-4795.49	1716502.04	14376717.14	39°35'22.4977"N	80°43'47.7592"W	9282.58	328.895	1.82	-0.07	-1.82	
16979.00	90.280	341.400	7071.46	9166.38	8037.48	-4827.20	1716470.34	14376806.65	39°35'23.3836"N	80°43'48.1608"W	9375.65	329.012	1.90	0.11	1.89	
17074.00	90.310	341.480	7070.97	9261.38	8127.54	-4857.43	1716440.11	14376896.67	39°35'24.2746"N	80°43'48.5436"W	9468.45	329.135	0.09	0.03	0.08	
17168.00	90.250	341.280	7070.51	9355.38	8216.61	-4887.45	1716410.11	14376985.71	39°35'25.1559"N	80°43'48.9236"W	9560.33	329.255	0.22	-0.06	-0.21	
17263.00	90.150	341.320	7070.18	9450.38	8306.60	-4917.91	1716379.67	14377075.66	39°35'26.0461"N	80°43'49.3092"W	9653.26	329.372	0.11	-0.11	0.04	
17357.00	90.280	341.480	7069.83	9544.37	8395.69	-4947.89	1716349.69	14377164.72	39°35'26.9275"N	80°43'49.6887"W	9745.21	329.488	0.22	0.14	0.17	
17452.00	90.220	341.250	7069.41	9639.37	8485.71	-4978.24	1716319.35	14377254.70	39°35'27.8180"N	80°43'50.0730"W	9838.20	329.601	0.25	-0.06	-0.24	
17547.00	89.970	341.050	7069.26	9734.37	8575.61	-5008.94	1716288.67	14377344.57	39°35'28.7075"N	80°43'50.4616"W	9931.29	329.711	0.34	-0.26	-0.21	
17641.00	90.060	341.230	7069.23	9828.37	8664.57	-5039.32	1716258.30	14377433.49	39°35'29.5875"N	80°43'50.8464"W	10023.45	329.818	0.21	0.10	0.19	
17736.00	90.090	341.120	7069.11	9923.37	8754.48	-5069.98	1716227.65	14377523.37	39°35'30.4771"N	80°43'51.2345"W	10116.60	329.924	0.12	0.03	-0.12	
17831.00	90.030	341.220	7069.01	10018.37	8844.40	-5100.64	1716197.00	14377613.25	39°35'31.3667"N	80°43'51.6227"W	10209.80	330.028	0.12	-0.06	0.11	
17926.00	90.150	341.260	7068.86	10113.37	8934.35	-5131.19	1716166.46	14377703.17	39°35'32.2566"N	80°43'52.0096"W	10303.00	330.130	0.13	0.13	0.04	
18020.00	90.060	341.200	7068.69	10207.37	9023.35	-5161.44	1716136.23	14377792.13	39°35'33.1371"N	80°43'52.3925"W	10395.26	330.230	0.12	-0.10	-0.06	
18115.00	90.060	341.140	7068.59	10302.37	9113.27	-5192.10	1716105.58	14377882.01	39°35'34.0266"N	80°43'52.7808"W	10488.54	330.329	0.06	0.00	-0.06	
18210.00	90.120	341.300	7068.44	10397.37	9203.21	-5222.68	1716075.01	14377971.92	39°35'34.9165"N	80°43'53.1680"W	10581.85	330.426	0.18	0.06	0.17	
18304.00	89.940	341.260	7068.39	10491.37	9292.24	-5252.85	1716044.85	14378060.91	39°35'35.7972"N	80°43'53.5500"W	10674.18	330.521	0.20	-0.19	-0.04	
18399.00	90.000	339.950	7068.44	10586.36	9381.84	-5284.40	1716013.32	14378150.48	39°35'36.6838"N	80°43'53.9495"W	10767.72	330.609	1.38	0.06	-1.38	
18494.00	90.180	341.600	7068.29	10681.36	9471.54	-5315.68	1715982.05	14378240.15	39°35'37.5712"N	80°43'54.3457"W	10861.24	330.698	1.75	0.19	1.74	
18588.00	89.940	340.740	7068.19	10775.36	9560.51	-5346.02	1715951.72	14378329.08	39°35'38.4514"N	80°43'54.7298"W	10953.69	330.787	0.95	-0.26	-0.91	
18683.00	90.150	341.470	7068.12	10870.36	9650.39	-5376.78	1715920.97	14378418.92	39°35'39.3406"N	80°43'55.1194"W	11047.17	330.875	0.80	0.22	0.77	
18778.00	90.120	341.190	7067.89	10965.36	9740.39	-5407.19	1715890.57	14378508.89	39°35'40.2310"N	80°43'55.5044"W	11140.60	330.964	0.30	-0.03	-0.29	
18872.00	90.150	341.260	7067.67	11059.36	9829.39	-5437.45	1715860.33	14378597.85	39°35'41.1114"N	80°43'55.8875"W	11233.11	331.049	0.08	0.03	0.07	
18967.00	90.030	341.200	7067.52	11154.36	9919.34	-5468.02	1715829.77	14378687.76	39°35'42.0013"N	80°43'56.2746"W	11326.63	331.134	0.14	-0.13	-0.06	
19062.00	90.060	341.260	7067.45	11249.35	10009.29	-5498.58	1715799.21	14378777.68	39°35'42.8912"N	80°43'56.6616"W	11420.17	331.218	0.07	0.03	0.06	
19157.00	90.120	341.270	7067.30	11344.35	10099.25	-5529.10	1715768.71	14378867.61	39°35'43.7812"N	80°43'57.0480"W	11513.72	331.300	0.06	0.06	0.01	
19251.00	90.000	340.890	7067.20	11438.35	10188.17	-5559.58	1715738.25	14378956.49	39°35'44.6609"N	80°43'57.4340"W	11606.37	331.379	0.42	-0.13	-0.40	

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Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
19346.00	90.030	341.260	7067.17	11533.35	10278.04	-5590.39	1715707.45	14379046.32	39°35'45.5500"N	80°43'57.8241"W	11700.02	331.458	0.39	0.03	0.39	
19440.00	89.970	340.680	7067.17	11627.35	10366.90	-5621.04	1715676.81	14379135.15	39°35'46.4291"N	80°43'58.2123"W	11792.74	331.533	0.62	-0.06	-0.62	
19535.00	90.000	340.990	7067.20	11722.35	10456.63	-5652.23	1715645.63	14379224.85	39°35'47.3169"N	80°43'58.6073"W	11886.50	331.607	0.33	0.03	0.33	
19629.00	90.000	341.370	7067.20	11816.35	10545.61	-5682.55	1715615.32	14379313.79	39°35'48.1971"N	80°43'58.9913"W	11979.20	331.682	0.40	0.00	0.40	
19724.00	89.970	341.120	7067.22	11911.35	10635.56	-5713.09	1715584.79	14379403.71	39°35'49.0871"N	80°43'59.3781"W	12072.89	331.757	0.27	-0.03	-0.26	
19818.00	90.000	341.130	7067.25	12005.35	10724.51	-5743.50	1715554.39	14379492.62	39°35'49.9670"N	80°43'59.7631"W	12165.65	331.829	0.03	0.03	0.01	
19913.00	89.910	340.500	7067.32	12100.35	10814.23	-5774.72	1715523.19	14379582.31	39°35'50.8547"N	80°44'0.1586"W	12259.49	331.898	0.67	-0.09	-0.66	
20007.00	89.660	341.110	7067.68	12194.35	10903.01	-5805.63	1715492.29	14379671.04	39°35'51.7330"N	80°44'0.5500"W	12352.36	331.966	0.70	-0.27	0.65	
20102.00	89.780	340.980	7068.14	12289.35	10992.85	-5836.49	1715461.45	14379760.86	39°35'52.6218"N	80°44'0.9408"W	12446.18	332.035	0.19	0.13	-0.14	
20196.00	89.630	341.010	7068.62	12383.34	11081.73	-5867.10	1715430.85	14379849.70	39°35'53.5011"N	80°44'1.3285"W	12539.04	332.102	0.16	-0.16	0.03	
20291.00	89.720	341.080	7069.16	12478.34	11171.58	-5897.95	1715400.00	14379939.51	39°35'54.3900"N	80°44'1.7193"W	12632.89	332.169	0.12	0.09	0.07	
20386.00	89.600	341.140	7069.73	12573.34	11261.46	-5928.71	1715369.26	14380029.35	39°35'55.2792"N	80°44'2.1088"W	12726.74	332.235	0.14	-0.13	0.06	
20480.00	89.600	341.250	7070.38	12667.34	11350.44	-5959.01	1715338.97	14380118.30	39°35'56.1595"N	80°44'2.4925"W	12819.60	332.300	0.12	0.00	0.12	
20575.00	89.690	341.120	7070.97	12762.34	11440.36	-5989.65	1715308.34	14380208.19	39°35'57.0491"N	80°44'2.8805"W	12913.47	332.366	0.17	0.09	-0.14	
20669.00	90.060	341.230	7071.18	12856.34	11529.33	-6019.98	1715278.02	14380297.12	39°35'57.9293"N	80°44'3.2646"W	13006.37	332.429	0.41	0.39	0.12	
20764.00	89.970	341.280	7071.15	12951.34	11619.29	-6050.51	1715247.51	14380387.05	39°35'58.8193"N	80°44'3.6512"W	13100.25	332.493	0.11	-0.09	0.05	
20859.00	90.150	341.250	7071.05	13046.34	11709.26	-6081.02	1715217.01	14380476.98	39°35'59.7093"N	80°44'4.0376"W	13194.15	332.556	0.19	0.19	-0.03	
20954.00	90.030	340.790	7070.90	13141.33	11799.09	-6111.92	1715186.12	14380566.78	39°36'0.5981"N	80°44'4.4290"W	13288.12	332.616	0.50	-0.13	-0.48	
21049.00	90.280	341.490	7070.65	13236.33	11888.99	-6142.63	1715155.42	14380656.64	39°36'1.4875"N	80°44'4.8179"W	13382.08	332.676	0.78	0.26	0.74	
21143.00	90.090	340.900	7070.34	13330.33	11977.97	-6172.93	1715125.14	14380745.59	39°36'2.3678"N	80°44'5.2016"W	13475.05	332.735	0.66	-0.20	-0.63	
21238.00	90.060	341.000	7070.22	13425.33	12067.77	-6203.94	1715094.14	14380835.35	39°36'3.2562"N	80°44'5.5943"W	13569.08	332.793	0.11	-0.03	0.11	
21333.00	90.000	341.190	7070.17	13520.33	12157.65	-6234.72	1715063.37	14380925.19	39°36'4.1453"N	80°44'5.9842"W	13663.09	332.850	0.21	-0.06	0.20	
21427.00	90.180	341.310	7070.02	13614.33	12246.66	-6264.93	1715033.17	14381014.17	39°36'5.0259"N	80°44'6.3668"W	13756.09	332.907	0.23	0.19	0.13	
21522.00	90.250	341.150	7069.66	13709.33	12336.60	-6295.50	1715002.61	14381104.08	39°36'5.9157"N	80°44'6.7540"W	13850.09	332.964	0.18	0.07	-0.17	
21616.00	90.220	340.680	7069.28	13803.33	12425.44	-6326.23	1714971.89	14381192.87	39°36'6.7946"N	80°44'7.1433"W	13943.20	333.018	0.50	-0.03	-0.50	
21711.00	90.000	341.330	7069.10	13898.33	12515.26	-6357.16	1714940.98	14381282.66	39°36'7.6833"N	80°44'7.5349"W	14037.28	333.072	0.72	-0.23	0.68	
21806.00	90.220	341.360	7068.91	13993.33	12605.27	-6387.54	1714910.61	14381372.64	39°36'8.5737"N	80°44'7.9198"W	14131.30	333.127	0.23	0.23	0.03	
21900.00	90.030	341.320	7068.71	14087.33	12694.33	-6417.62	1714880.54	14381461.66	39°36'9.4548"N	80°44'8.3006"W	14224.34	333.181	0.21	-0.20	-0.04	
21995.00	90.120	341.170	7068.58	14182.33	12784.29	-6448.16	1714850.01	14381551.58	39°36'10.3447"N	80°44'8.6875"W	14318.41	333.234	0.18	0.09	-0.16	
22089.00	90.030	341.330	7068.46	14276.33	12873.30	-6478.38	1714819.81	14381640.56	39°36'11.2253"N	80°44'9.0702"W	14411.49	333.287	0.20	-0.10	0.17	

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Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (264 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
22184.00	90.030	341.230	7068.41	14371.33	12963.27	-6508.87	1714789.33	14381730.50	39°36'12.1154"N	80°44'9.4563"W	14505.58	333.339	0.11	0.00	-0.11	
22278.00	90.150	341.260	7068.26	14465.32	13052.28	-6539.09	1714759.12	14381819.47	39°36'12.9960"N	80°44'9.8391"W	14598.69	333.389	0.13	0.13	0.03	
22373.00	90.120	340.780	7068.04	14560.32	13142.11	-6569.99	1714728.23	14381909.27	39°36'13.8847"N	80°44'10.2304"W	14692.85	333.439	0.51	-0.03	-0.51	
22468.00	89.910	340.460	7068.02	14655.32	13231.73	-6601.51	1714696.72	14381998.85	39°36'14.7713"N	80°44'10.6298"W	14787.11	333.485	0.40	-0.22	-0.34	
22562.00	89.820	340.490	7068.24	14749.31	13320.33	-6632.93	1714665.32	14382087.41	39°36'15.6478"N	80°44'11.0279"W	14880.42	333.529	0.10	-0.10	0.03	
22657.00	89.850	340.340	7068.51	14844.31	13409.83	-6664.77	1714633.49	14382176.88	39°36'16.5333"N	80°44'11.4314"W	14974.74	333.572	0.16	0.03	-0.16	
22752.00	90.000	341.110	7068.63	14939.30	13499.50	-6696.13	1714602.14	14382266.52	39°36'17.4205"N	80°44'11.8287"W	15069.00	333.617	0.83	0.16	0.81	
22847.00	90.090	340.040	7068.56	15034.30	13589.09	-6727.73	1714570.56	14382356.07	39°36'18.3068"N	80°44'12.2289"W	15163.30	333.661	1.13	0.09	-1.13	
23037.00	90.310	341.480	7067.90	15224.29	13768.48	-6790.33	1714507.97	14382535.38	39°36'20.0815"N	80°44'13.0221"W	15351.86	333.748	0.77	0.12	0.76	
23132.00	90.150	341.290	7067.52	15319.28	13858.50	-6820.66	1714477.66	14382625.38	39°36'20.9722"N	80°44'13.4062"W	15446.02	333.795	0.26	-0.17	-0.20	
23226.00	90.120	341.180	7067.29	15413.28	13947.51	-6850.90	1714447.44	14382714.35	39°36'21.8527"N	80°44'13.7892"W	15539.23	333.840	0.12	-0.03	-0.12	
23321.00	89.970	341.080	7067.22	15508.28	14037.40	-6881.62	1714416.72	14382804.20	39°36'22.7420"N	80°44'14.1784"W	15633.47	333.884	0.19	-0.16	-0.11	
23416.00	90.000	341.100	7067.24	15603.28	14127.28	-6912.41	1714385.95	14382894.04	39°36'23.6311"N	80°44'14.5684"W	15727.72	333.928	0.04	0.03	0.02	
23511.00	90.090	341.310	7067.17	15698.28	14217.21	-6943.02	1714355.35	14382983.94	39°36'24.5208"N	80°44'14.9561"W	15821.96	333.971	0.24	0.09	0.22	
23605.00	89.970	341.130	7067.12	15792.28	14306.20	-6973.28	1714325.10	14383072.90	39°36'25.4013"N	80°44'15.3394"W	15915.22	334.014	0.23	-0.13	-0.19	
23700.00	90.280	341.340	7066.91	15887.28	14396.15	-7003.84	1714294.55	14383162.82	39°36'26.2911"N	80°44'15.7265"W	16009.47	334.057	0.39	0.33	0.22	
23795.00	89.970	341.400	7066.71	15982.28	14486.18	-7034.19	1714264.22	14383252.80	39°36'27.1817"N	80°44'16.1108"W	16103.70	334.100	0.33	-0.33	0.06	
23890.00	90.120	341.570	7066.63	16077.28	14576.26	-7064.36	1714234.06	14383342.85	39°36'28.0729"N	80°44'16.4929"W	16197.92	334.143	0.24	0.16	0.18	
23984.00	90.120	341.490	7066.43	16171.28	14665.42	-7094.14	1714204.29	14383431.97	39°36'28.9549"N	80°44'16.8701"W	16291.14	334.185	0.09	0.00	-0.09	
24080.00	90.400	341.700	7066.00	16267.27	14756.51	-7124.44	1714174.00	14383523.02	39°36'29.8560"N	80°44'17.2539"W	16386.34	334.229	0.36	0.29	0.22	
24174.00	90.030	341.350	7065.65	16361.27	14845.66	-7154.23	1714144.22	14383612.14	39°36'30.7380"N	80°44'17.6312"W	16479.58	334.270	0.54	-0.39	-0.37	
24269.00	90.340	341.280	7065.34	16456.27	14935.65	-7184.67	1714113.80	14383702.10	39°36'31.6283"N	80°44'18.0167"W	16573.87	334.311	0.33	0.33	-0.07	
24324.00	90.150	341.670	7065.10	16511.27	14987.80	-7202.14	1714096.33	14383754.23	39°36'32.1442"N	80°44'18.2380"W	16628.44	334.334	0.79	-0.35	0.71	
24349.00†	90.150	341.670	7065.04	16536.27	15011.53	-7210.00	1714088.47	14383777.95	39°36'32.3789"N	80°44'18.3376"W	16653.24	334.345	0.00	0.00	0.00	Projected MD at TD: 24349'

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Duke Unit 1H AWP Proj: 24349'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

DIRECTIONAL DIFFICULTY INDEX			
Directional Difficulty Index @ TD = 7.19		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: Duke Unit 1H AWB Ref Wellpath: Duke Unit 1H AWP Proj: 24349'									
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	125.50	100.00	25.50	125.50	0.00	0.00	-0.16	0.08
17.5in Open Hole	125.50	741.00	615.50	125.50	740.99	-0.16	0.08	-2.94	-0.36
13.375in Casing Surface	25.50	721.00	695.50	25.50	720.99	0.00	0.00	-2.57	-0.15
12.25in Open Hole	741.00	3467.00	2726.00	740.99	3359.45	-2.94	-0.36	-471.18	-557.68
9.625in Casing Intermediate	25.50	3437.00	3411.50	25.50	3330.63	0.00	0.00	-465.08	-551.96
8.75in Open Hole	3467.00	6614.00	3147.00	3359.45	6354.37	-471.18	-557.68	-1128.82	-1262.27
8.5in Open Hole	6614.00	24349.00	17735.00	6354.37	7065.04	-1128.82	-1262.27	15011.53	-7210.00
5.5in Casing Production	25.50	24329.00	24303.50	25.50	7065.09	0.00	0.00	14992.55	-7203.71



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Duke Unit 1H AWP Proj: 24349'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Duke Unit 1H POE Rev-2	7081.00	-767.22	-1714.56	1719581.75	14368005.42	39°33'56.2709"N	80°43'8.7539"W	point
Duke Unit 1H AZI Rev-2	7103.00	-212.68	-2003.63	1719292.80	14368559.74	39°34'1.7605"N	80°43'12.4229"W	point
Duke Unit 1H BHL Rev-2	7103.00	15027.97	-7210.53	1714087.94	14383794.38	39°36'32.5414"N	80°44'18.3438"W	point
Duke Unit 1H LP Rev-2	7103.00	-618.49	-1808.93	1719487.41	14368154.09	39°33'57.7438"N	80°43'9.9531"W	point
Duke Unit 1H 50' L/R Hard Line	7500.00	7409.23	-4607.62	1716689.83	14376178.65	39°35'17.1680"N	80°43'45.3803"W	rectangle
2D Rectangle 16102.2 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Duke Unit 1H AWB Ref Wellpath: Duke Unit 1H AWP Proj: 24349'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	652.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-652')	Duke Unit 1H AWB	2/21/2025
652.00	3387.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (652')(773'-3387')	Duke Unit 1H AWB	2/21/2025
3387.00	6538.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3387')(3506'-6538')	Duke Unit 1H AWB	4/14/2025
6538.00	24349.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8-1/2"> (6538')(6660'-24324')	Duke Unit 1H AWB	4/14/2025

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Duke Unit 1H
Field	Wetzel	API	47-103-03694-0000
Facility	Cedar Pad	Wellbore	Duke Unit 1H AWB
Slot	Slot G		

COMMENTS

Wellpath general comments

API: 47-103-03694-0000
BH Job #: 112590379
Rig: H&P 317
Duration: 4/21/2025-4/25/2025
Gyrodata MS Gyro <17-1/2"> (100'-652')
APS EM <12-1/4"> (652')(773'-3387')
APS EM <8-3/4"> (3387')(3506'-6538')
BH Lucida <8-1/2"> (6538')(6660'-24324')
Sycamore: 7037' MD
Middlesex: 7204' MD
Burkett: 7365' MD
Tully: 7421' MD
Marcellus POE: 7652' MD
Projected MD at TD: 24349'

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