



ANTERO RESOURCES CORPORATION



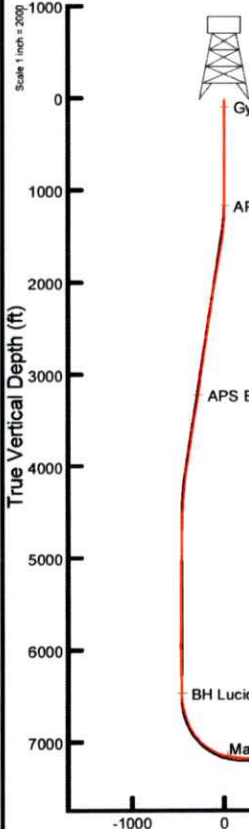
Location: Doddridge Co., WV
 Field: Doddridge
 Facility: Crimson Pad

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

Plot reference wellpath is Dodrill 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: 1247.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot G): -1222 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edstaryar on 2024-09-29; Database: WA_MPL_EASTERNUS_Defn

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Crimson Pad	1729192.990	14302137.140	39°23'4.7014"N	80°41'8.9159"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot G	33.76	29.75	1729222.730	14302170.890
			Latitude	Longitude
			39°23'5.0341"N	80°41'8.5355"W
Comment: Dodrill 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)			-1222ft	
H&P 317 (RKB) to Mean Sea Level			1247.5ft	

Well Profile Data							
Design Comment	MD (ft)	Inc. (")	Az. (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	25.50	0.000	357.629	25.50	0.00	0.00	0.00
KOP 1	1100.00	0.000	357.629	1100.00	0.00	0.00	0.00
End of Build	1460.00	9.000	357.629	1458.52	28.19	-1.17	-27.05
Hold	4114.45	9.000	357.629	4080.29	443.08	-18.34	-425.20
End of Drop	4564.45	0.000	161.134	4526.45	478.32	-19.80	-459.02
Curve KOP	6560.03	0.000	161.134	6524.02	478.32	-19.80	-459.02
End of Build	6910.03	28.000	161.134	6880.26	399.00	7.30	-375.19
POE	7419.92	73.890	161.134	7173.00	34.25	131.94	10.26
Landing Pt.	7598.92	90.000	161.134	7198.00	-132.91	189.06	186.91
BHL	19492.14	90.000	161.134	7198.00	-11367.20	4034.79	0.00

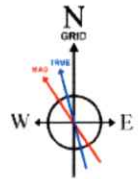


Gyrodata MS Gyro <17-1/2"> (100°-1040°) : 0.44" Inc, 100.00ft MD, 100.00ft TVD, 0.25ft VS

APS EM <12-3/8"> (1040°)(1171°-3096°) : 0.45" Inc, 1171.00ft MD, 1170.99ft TVD, 3.10ft VS

Well Data			
Slot	Well	Wellbore	Wellpath
Slot G	Dodrill Unit 1H	Dodrill Unit 1H AAWB	Dodrill Unit 1H AWP Proj. 19468'
Slot G	Dodrill Unit 1H	Dodrill Unit 1H PWB	Dodrill Unit 1H PWP Rev-B.0

APS EM <8-3/4"> (3096°)(3245°-6459°) : 8.08" Inc, 3245.00ft MD, 3222.40ft TVD, -281.30ft VS



User specified (HDGM) Dip: 66.14° Field: 51652 nT
 Magnetic North is 7.96 degrees West of True North (at 8/8/2024)
 Grid North is 0.20 degrees East of True North
 To correct azimuth from True to Grid subtract 0.20 degrees
 To correct azimuth from Magnetic to Grid subtract 8.16 degrees

BH Lucida <8-1/2"> (6459°)(6502°-15323°) : 1.18" Inc, 6502.00ft MD, 6465.97ft TVD, -457.53ft VS

Marcellus POE: 7418' MD : 79.26" Inc, 7418.00ft MD, 7148.83ft TVD, 38.39ft VS

BH AT Curve <8-1/2"> (15323°)(15418°-19463°) : 7225.21ft TVD, 7560.40ft S, 2726.11ft E

API: 47-017-06979-0000
 BH Job #: 112320240
 Rig: H&P 317
 Duration: 8/9/2024-8/16/2024

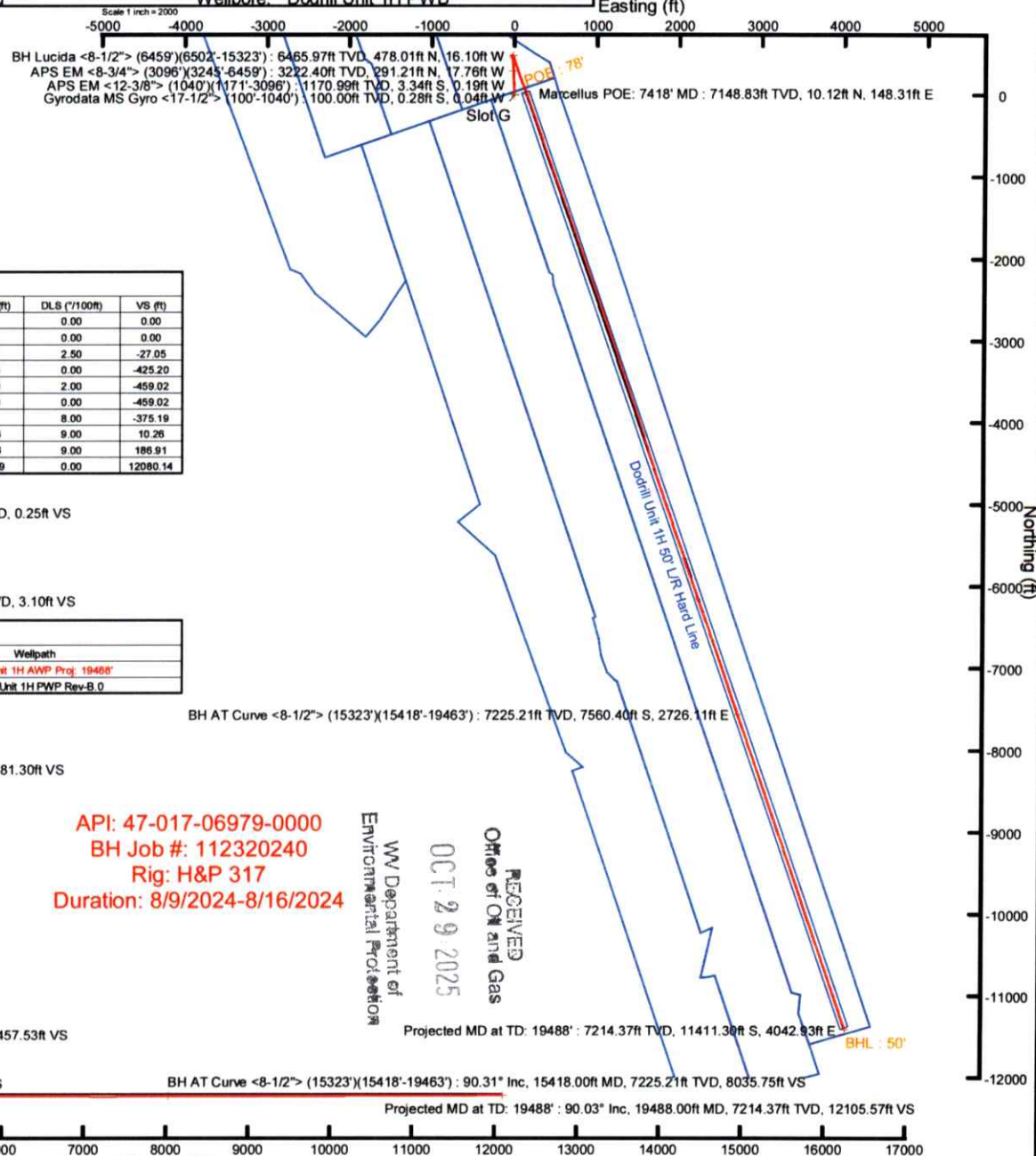
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Projected MD at TD: 19488' : 7214.37ft TVD, 11411.30ft S, 4042.93ft E

BH AT Curve <8-1/2"> (15323°)(15418°-19463°) : 90.31" Inc, 15418.00ft MD, 7225.21ft TVD, 8035.75ft VS

Projected MD at TD: 19488' : 90.03" Inc, 19488.00ft MD, 7214.37ft TVD, 12105.57ft VS

Vertical Section (ft)
 Azimuth 161.13° with reference 0.00 N, 0.00 E





Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill 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	0.999609	Report Generated	8/29/2024 at 9:32:46 PM
Convergence at slot	0.20° 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	33.76	29.75	1729222.73	14302170.89	39°23'5.0341"N	80°41'8.5355"W
Facility Reference Pt			1729192.99	14302137.14	39°23'4.7014"N	80°41'8.9159"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	1247.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1247.50ft
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	161.13°

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (212 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	188.610	0.00	0.00	0.00	0.00	1729222.73	14302170.89	39°23'5.0341"N	80°41'8.5355"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	188.610	25.50	0.00	0.00	0.00	1729222.73	14302170.89	39°23'5.0341"N	80°41'8.5355"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.440	188.610	100.00	0.25	-0.28	-0.04	1729222.69	14302170.61	39°23'5.0313"N	80°41'8.5360"W	0.29	188.610	0.59	0.59	0.00	Gyrodatta MS Gyro <17-1/2"> (100'-1040')
200.00	0.280	141.820	200.00	0.83	-0.85	0.05	1729222.78	14302170.04	39°23'5.0256"N	80°41'8.5349"W	0.86	176.603	0.32	-0.16	-46.79	
300.00	0.220	153.000	300.00	1.25	-1.22	0.29	1729223.02	14302169.67	39°23'5.0220"N	80°41'8.5319"W	1.25	166.652	0.08	-0.06	11.18	
400.00	0.130	152.280	400.00	1.55	-1.49	0.43	1729223.16	14302169.40	39°23'5.0193"N	80°41'8.5301"W	1.55	163.934	0.09	-0.09	-0.72	
500.00	0.110	195.310	500.00	1.74	-1.68	0.46	1729223.19	14302169.21	39°23'5.0174"N	80°41'8.5297"W	1.74	164.824	0.09	-0.02	43.03	
600.00	0.180	185.310	600.00	1.96	-1.93	0.42	1729223.15	14302168.96	39°23'5.0150"N	80°41'8.5303"W	1.98	167.832	0.07	0.07	-10.00	
700.00	0.200	179.890	699.99	2.27	-2.26	0.40	1729223.13	14302168.63	39°23'5.0117"N	80°41'8.5305"W	2.30	169.918	0.03	0.02	-5.42	
800.00	0.110	181.170	799.99	2.53	-2.53	0.40	1729223.13	14302168.36	39°23'5.0090"N	80°41'8.5305"W	2.56	171.012	0.09	-0.09	1.28	
900.00	0.150	192.520	899.99	2.73	-2.76	0.37	1729223.10	14302168.13	39°23'5.0068"N	80°41'8.5309"W	2.78	172.350	0.05	0.04	11.35	
1000.00	0.300	199.110	999.99	3.05	-3.13	0.26	1729222.99	14302167.76	39°23'5.0031"N	80°41'8.5324"W	3.14	175.324	0.15	0.15	6.59	
1040.00	0.410	199.190	1039.99	3.24	-3.37	0.17	1729222.90	14302167.53	39°23'5.0008"N	80°41'8.5334"W	3.37	177.027	0.28	0.27	0.20	
1171.00	0.450	335.400	1170.99	3.10	-3.34	-0.19	1729222.54	14302167.55	39°23'5.0010"N	80°41'8.5381"W	3.35	183.313	0.61	0.03	103.98	APS EM <12-3/8"> (1040')(1171'-3096')
1265.00	2.090	356.620	1264.97	1.08	-1.29	-0.45	1729222.28	14302169.60	39°23'5.0213"N	80°41'8.5412"W	1.37	199.106	1.79	1.74	22.57	
1360.00	4.440	352.160	1359.80	-4.20	4.08	-1.05	1729221.68	14302174.97	39°23'5.0744"N	80°41'8.5487"W	4.21	345.539	2.49	2.47	-4.69	
1454.00	6.740	355.300	1453.35	-13.12	13.18	-2.00	1729220.73	14302184.07	39°23'5.1644"N	80°41'8.5604"W	13.33	351.371	2.47	2.45	3.34	
1548.00	8.730	358.170	1546.49	-25.29	25.81	-2.68	1729220.05	14302196.69	39°23'5.2893"N	80°41'8.5685"W	25.95	354.072	2.16	2.12	3.05	
1642.00	9.970	357.180	1639.24	-39.93	41.07	-3.31	1729219.42	14302211.94	39°23'5.4401"N	80°41'8.5758"W	41.20	355.394	1.33	1.32	-1.05	
1737.00	10.330	355.550	1732.75	-56.08	57.78	-4.37	1729218.36	14302228.64	39°23'5.6052"N	80°41'8.5886"W	57.94	355.671	0.48	0.38	-1.72	
1831.00	10.250	353.410	1825.24	-72.42	74.49	-5.99	1729216.74	14302245.35	39°23'5.7704"N	80°41'8.6084"W	74.73	355.404	0.42	-0.09	-2.28	
1925.00	9.990	352.010	1917.78	-88.60	90.87	-8.08	1729214.65	14302261.72	39°23'5.9324"N	80°41'8.6344"W	91.23	354.918	0.38	-0.28	-1.49	
2020.00	9.140	359.990	2011.46	-103.83	106.57	-9.23	1729213.51	14302277.42	39°23'6.0877"N	80°41'8.6483"W	106.97	355.052	1.66	-0.89	8.40	
2114.00	8.870	0.190	2104.30	-117.75	121.29	-9.20	1729213.53	14302292.13	39°23'6.2331"N	80°41'8.6473"W	121.64	355.660	0.29	-0.29	0.21	
2209.00	8.760	357.960	2198.18	-131.59	135.84	-9.44	1729213.30	14302306.68	39°23'6.3770"N	80°41'8.6497"W	136.17	356.026	0.38	-0.12	-2.35	
2303.00	8.360	357.460	2291.14	-145.00	149.82	-10.00	1729212.74	14302320.65	39°23'6.5152"N	80°41'8.6561"W	150.15	356.183	0.43	-0.43	-0.53	
2397.00	8.940	356.400	2384.07	-158.61	163.94	-10.76	1729211.98	14302334.76	39°23'6.6547"N	80°41'8.6652"W	164.29	356.246	0.64	0.62	-1.13	
2492.00	8.590	355.700	2477.96	-172.59	178.38	-11.75	1729210.98	14302349.20	39°23'6.7975"N	80°41'8.6773"W	178.77	356.231	0.39	-0.37	-0.74	
2586.00	8.460	353.990	2570.92	-186.13	192.26	-13.00	1729209.73	14302363.07	39°23'6.9347"N	80°41'8.6926"W	192.70	356.131	0.30	-0.14	-1.82	
2681.00	9.010	353.680	2664.82	-200.20	206.60	-14.55	1729208.18	14302377.41	39°23'7.0765"N	80°41'8.7117"W	207.11	355.971	0.58	0.58	-0.33	

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Dodrill Unit 1H AWP Proj: 19488'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Dodrill Unit 1H
Field	Doddridge		API	47-017-06979-0000
Facility	Crimson Pad		Wellbore	Dodrill Unit 1H AWB
Slot	Slot G			

WELLPATH DATA (212 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
2775.00	8.820	351.740	2757.68	-214.47	221.05	-16.40	1729206.34	14302391.85	39°23'7.2193"N	80°41'8.7345"W	221.65	355.757	0.38	-0.20	-2.06	
2870.00	8.700	359.020	2851.57	-228.47	235.44	-17.57	1729205.17	14302406.24	39°23'7.3616"N	80°41'8.7488"W	236.09	355.733	1.17	-0.13	7.66	
2965.00	8.740	2.440	2945.48	-242.03	249.83	-17.38	1729205.35	14302420.63	39°23'7.5039"N	80°41'8.7458"W	250.44	356.020	0.55	0.04	3.60	
3059.00	8.490	0.970	3038.42	-255.21	263.91	-16.96	1729205.77	14302434.69	39°23'7.6430"N	80°41'8.7398"W	264.45	356.322	0.35	-0.27	-1.56	
3096.00	8.730	359.030	3075.00	-260.45	269.45	-16.96	1729205.77	14302440.23	39°23'7.6977"N	80°41'8.7396"W	269.98	356.398	1.02	0.65	-5.24	
3245.00	8.080	356.690	3222.40	-281.30	291.21	-17.76	1729204.98	14302461.98	39°23'7.9128"N	80°41'8.7488"W	291.75	356.510	0.49	-0.44	-1.57	APS EM <8-3/4"> (3096)(3245'-6459')
3339.00	9.850	0.930	3315.25	-295.23	305.84	-18.01	1729204.73	14302476.61	39°23'8.0575"N	80°41'8.7513"W	306.37	356.630	2.01	1.88	4.51	
3433.00	10.000	359.920	3407.84	-310.52	322.04	-17.89	1729204.85	14302492.81	39°23'8.2176"N	80°41'8.7491"W	322.54	356.820	0.24	0.16	-1.07	
3527.00	9.530	359.250	3500.48	-325.64	337.98	-18.00	1729204.73	14302508.74	39°23'8.3751"N	80°41'8.7498"W	338.46	356.951	0.51	-0.50	-0.71	
3622.00	8.860	357.810	3594.26	-340.13	353.16	-18.39	1729204.35	14302523.91	39°23'8.5251"N	80°41'8.7540"W	353.64	357.020	0.75	-0.71	-1.52	
3716.00	8.670	356.750	3687.16	-353.88	367.47	-19.07	1729203.67	14302538.21	39°23'8.6666"N	80°41'8.7620"W	367.96	357.030	0.27	-0.20	-1.13	
3811.00	8.380	355.640	3781.11	-367.48	381.52	-20.00	1729202.74	14302552.26	39°23'8.8055"N	80°41'8.7733"W	382.04	356.999	0.35	-0.31	-1.17	
3905.00	9.330	356.680	3873.99	-381.45	395.95	-20.96	1729201.78	14302566.69	39°23'8.9482"N	80°41'8.7849"W	396.51	356.970	1.02	1.01	1.11	
3999.00	9.450	354.600	3966.73	-396.30	411.24	-22.13	1729200.61	14302581.97	39°23'9.0993"N	80°41'8.7991"W	411.84	356.920	0.38	0.13	-2.21	
4094.00	8.830	353.170	4060.52	-411.01	426.25	-23.73	1729199.01	14302596.97	39°23'9.2477"N	80°41'8.8188"W	426.91	356.814	0.70	-0.65	-1.51	
4188.00	6.580	344.620	4153.67	-423.45	438.61	-26.02	1729196.73	14302609.32	39°23'9.3699"N	80°41'8.8474"W	439.38	356.606	2.68	-2.39	-9.10	
4283.00	4.940	330.130	4248.19	-432.90	447.40	-29.50	1729193.25	14302618.12	39°23'9.4570"N	80°41'8.8913"W	448.37	356.228	2.29	-1.73	-15.25	
4377.00	4.310	324.830	4341.89	-440.26	453.80	-33.55	1729189.20	14302624.51	39°23'9.5203"N	80°41'8.9426"W	455.04	355.772	0.81	-0.67	-5.64	
4471.00	3.400	317.530	4435.67	-446.20	458.74	-37.46	1729185.28	14302629.45	39°23'9.5693"N	80°41'8.9923"W	460.27	355.331	1.10	-0.97	-7.77	
4566.00	1.880	338.920	4530.57	-450.34	462.28	-39.93	1729182.82	14302632.98	39°23'9.6043"N	80°41'9.0235"W	464.00	355.064	1.88	-1.60	22.52	
4660.00	1.580	3.710	4624.53	-453.08	465.01	-40.40	1729182.35	14302635.71	39°23'9.6313"N	80°41'9.0294"W	466.76	355.035	0.85	-0.32	26.37	
4754.00	1.250	341.770	4718.50	-455.30	467.27	-40.63	1729182.11	14302637.98	39°23'9.6538"N	80°41'9.0323"W	469.04	355.030	0.67	-0.35	-23.34	
4849.00	1.140	346.250	4813.48	-457.28	469.18	-41.18	1729181.56	14302639.88	39°23'9.6726"N	80°41'9.0392"W	470.98	354.984	0.15	-0.12	4.72	
4943.00	1.360	329.090	4907.46	-459.30	471.04	-41.98	1729180.77	14302641.75	39°23'9.6910"N	80°41'9.0492"W	472.91	354.907	0.46	0.23	-18.26	
5037.00	1.160	346.480	5001.44	-461.34	472.92	-42.77	1729179.97	14302643.63	39°23'9.7097"N	80°41'9.0593"W	474.85	354.832	0.46	-0.21	18.50	
5132.00	1.200	341.240	5096.42	-463.29	474.80	-43.32	1729179.43	14302645.50	39°23'9.7282"N	80°41'9.0661"W	476.77	354.787	0.12	0.04	-5.52	
5226.00	1.710	60.320	5190.40	-464.54	476.43	-42.42	1729180.33	14302647.13	39°23'9.7443"N	80°41'9.0546"W	478.31	354.912	2.01	0.54	84.13	
5321.00	1.790	71.490	5285.35	-464.80	477.60	-39.78	1729182.97	14302648.30	39°23'9.7558"N	80°41'9.0209"W	479.25	355.239	0.37	0.08	11.76	
5415.00	1.570	62.620	5379.31	-464.98	478.66	-37.24	1729185.50	14302649.36	39°23'9.7662"N	80°41'8.9886"W	480.11	355.551	0.36	-0.23	-9.44	
5509.00	1.470	60.210	5473.28	-465.40	479.85	-35.05	1729187.69	14302650.55	39°23'9.7779"N	80°41'8.9606"W	481.13	355.822	0.13	-0.11	-2.56	

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (212 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
5605.00	1.140	51.120	5569.25	-465.96	481.06	-33.24	1729189.50	14302651.76	39°23'9.7898"N	80°41'8.9375"W	482.21	356.047	0.40	-0.34	-9.47	
5700.00	1.420	42.590	5664.23	-466.84	482.52	-31.71	1729191.03	14302653.22	39°23'9.8041"N	80°41'8.9179"W	483.56	356.240	0.36	0.29	-8.98	
5794.00	0.730	58.060	5758.21	-467.53	483.70	-30.41	1729192.33	14302654.40	39°23'9.8157"N	80°41'8.9014"W	484.65	356.402	0.79	-0.73	16.46	
5888.00	1.020	57.410	5852.20	-467.87	484.46	-29.20	1729193.54	14302655.16	39°23'9.8233"N	80°41'8.8859"W	485.34	356.551	0.31	0.31	-0.69	
5983.00	1.040	48.820	5947.19	-468.40	485.49	-27.84	1729194.90	14302656.19	39°23'9.8333"N	80°41'8.8685"W	486.28	356.718	0.16	0.02	-9.04	
6078.00	2.080	110.780	6042.16	-467.62	485.44	-25.58	1729197.16	14302656.14	39°23'9.8328"N	80°41'8.8397"W	486.12	356.984	1.93	1.09	65.22	
6172.00	1.980	120.620	6136.10	-465.30	484.01	-22.58	1729200.16	14302654.71	39°23'9.8185"N	80°41'8.8016"W	484.54	357.329	0.39	-0.11	10.47	
6268.00	1.790	125.930	6232.04	-462.81	482.29	-19.94	1729202.80	14302652.99	39°23'9.8014"N	80°41'8.7681"W	482.70	357.632	0.27	-0.20	5.53	
6363.00	1.410	137.150	6327.01	-460.53	480.56	-17.95	1729204.79	14302651.26	39°23'9.7843"N	80°41'8.7427"W	480.89	357.861	0.52	-0.40	11.81	
6459.00	1.270	145.620	6422.98	-458.43	478.81	-16.54	1729206.19	14302649.52	39°23'9.7670"N	80°41'8.7249"W	479.10	358.021	0.25	-0.15	8.82	
6502.00	1.180	157.360	6465.97	-457.53	478.01	-16.10	1729206.63	14302648.71	39°23'9.7590"N	80°41'8.7194"W	478.28	358.071	0.62	-0.21	27.30	BH Lucida <8-1/2"> (6459')(6502'-15323')
6546.00	3.160	160.790	6509.94	-455.86	476.45	-15.53	1729207.21	14302647.15	39°23'9.7436"N	80°41'8.7121"W	476.70	358.133	4.51	4.50	7.80	
6641.00	10.780	158.350	6604.17	-444.35	465.70	-11.38	1729211.35	14302636.41	39°23'9.6372"N	80°41'8.6598"W	465.84	358.600	8.03	8.02	-2.57	
6688.00	13.270	158.600	6650.13	-434.57	456.59	-7.79	1729214.94	14302627.30	39°23'9.5471"N	80°41'8.6145"W	456.66	359.022	5.30	5.30	0.53	
6735.00	15.450	162.270	6695.66	-422.92	445.61	-3.92	1729218.81	14302616.32	39°23'9.4383"N	80°41'8.5656"W	445.62	359.496	5.02	4.64	7.81	
6782.00	18.830	165.150	6740.57	-409.09	432.31	-0.07	1729222.66	14302603.03	39°23'9.3068"N	80°41'8.5172"W	432.31	359.991	7.41	7.19	6.13	
6799.00†	19.908	166.007	6756.61	-403.47	426.85	1.34	1729224.07	14302597.57	39°23'9.2528"N	80°41'8.4995"W	426.85	0.179	6.56	6.34	5.04	Sycamore: 6799' MD
6829.00	21.820	167.320	6784.64	-392.84	416.45	3.80	1729226.52	14302587.18	39°23'9.1499"N	80°41'8.4687"W	416.47	0.522	6.56	6.37	4.38	
6924.00	29.650	162.400	6870.16	-351.73	376.76	14.79	1729237.52	14302547.50	39°23'8.7573"N	80°41'8.3304"W	377.05	2.249	8.54	8.24	-5.18	
6959.00†	33.931	161.549	6899.90	-333.30	359.23	20.51	1729243.23	14302529.98	39°23'8.5838"N	80°41'8.2584"W	359.82	3.267	12.30	12.23	-2.43	Middlesex: 6959' MD
6971.00	35.400	161.300	6909.77	-326.47	352.77	22.68	1729245.40	14302523.52	39°23'8.5198"N	80°41'8.2310"W	353.49	3.679	12.30	12.24	-2.08	
7018.00	39.580	162.110	6947.05	-297.87	325.61	31.65	1729254.37	14302496.37	39°23'8.2511"N	80°41'8.1180"W	327.14	5.552	8.96	8.89	1.72	
7112.00	49.300	160.560	7014.09	-232.14	263.36	52.76	1729275.47	14302434.15	39°23'7.6351"N	80°41'7.8519"W	268.59	11.328	10.40	10.34	-1.65	
7158.00†	53.246	160.315	7042.86	-196.26	229.55	64.77	1729287.48	14302400.35	39°23'7.3006"N	80°41'7.7004"W	238.52	15.758	8.59	8.58	-0.53	Burkett: 7158' MD
7207.00	57.450	160.080	7070.72	-155.97	191.64	78.43	1729301.13	14302362.45	39°23'6.9254"N	80°41'7.5281"W	207.06	22.257	8.59	8.58	-0.48	Tully: 7207' MD
7301.00	66.220	157.830	7115.05	-73.25	114.40	108.22	1729330.91	14302285.25	39°23'6.1610"N	80°41'7.1522"W	157.48	43.409	9.56	9.33	-2.39	
7396.00	77.680	159.550	7144.44	16.84	30.38	140.95	1729363.62	14302201.26	39°23'5.3295"N	80°41'6.7391"W	144.18	77.837	12.18	12.06	1.81	
7418.00†	79.257	160.506	7148.83	38.39	10.12	148.31	1729370.98	14302181.01	39°23'5.1290"N	80°41'6.6462"W	148.65	86.096	8.34	7.17	4.34	Marcellus POE: 7418' MD
7436.00	80.550	161.280	7151.99	56.11	-6.62	154.11	1729376.78	14302164.27	39°23'4.9633"N	80°41'6.5731"W	154.25	92.461	8.34	7.18	4.30	
7490.00	82.510	161.090	7159.94	109.52	-57.18	171.33	1729394.00	14302113.73	39°23'4.4630"N	80°41'6.3560"W	180.62	108.455	3.65	3.63	-0.35	

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Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (212 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
7585.00	86.390	161.310	7169.13	204.06	-146.67	201.80	1729424.45	14302024.28	39°23'3.5775"N	80°41'5.9720"W	249.47	126.010	4.09	4.08	0.23	
7680.00	89.810	161.050	7172.28	298.99	-236.53	232.42	1729455.06	14301934.45	39°23'2.6883"N	80°41'5.5859"W	331.61	135.502	3.61	3.60	-0.27	
7773.00	90.620	160.350	7171.93	391.98	-324.30	263.16	1729485.79	14301846.72	39°23'1.8198"N	80°41'5.1984"W	417.64	140.942	1.15	0.87	-0.75	
7868.00	90.120	160.700	7171.32	486.98	-413.86	294.83	1729517.45	14301757.19	39°23'0.9335"N	80°41'4.7990"W	508.14	144.534	0.64	-0.53	0.37	
7962.00	89.290	160.920	7171.80	580.97	-502.64	325.73	1729548.33	14301668.45	39°23'0.0550"N	80°41'4.4095"W	598.95	147.055	0.91	-0.88	0.23	
8150.00	89.450	161.070	7173.87	768.96	-680.38	386.95	1729609.53	14301490.78	39°22'58.2962"N	80°41'3.6377"W	782.72	150.372	0.12	0.09	0.08	
8245.00	89.540	160.810	7174.70	863.96	-770.17	417.97	1729640.54	14301401.02	39°22'57.4077"N	80°41'3.2466"W	876.28	151.511	0.29	0.09	-0.27	
8339.00	89.320	160.990	7175.64	957.95	-858.99	448.73	1729671.28	14301312.24	39°22'56.5288"N	80°41'2.8589"W	969.13	152.418	0.30	-0.23	0.19	
8433.00	88.770	160.770	7177.21	1051.94	-947.79	479.51	1729702.05	14301223.47	39°22'55.6500"N	80°41'2.4708"W	1062.19	153.164	0.63	-0.59	-0.23	
8527.00	89.110	160.800	7178.95	1145.92	-1036.54	510.44	1729732.97	14301134.76	39°22'54.7718"N	80°41'2.0808"W	1155.41	153.782	0.36	0.36	0.03	
8621.00	89.040	160.670	7180.46	1239.90	-1125.26	541.45	1729763.97	14301046.07	39°22'53.8938"N	80°41'1.6899"W	1248.76	154.304	0.16	-0.07	-0.14	
8716.00	88.890	160.960	7182.18	1334.89	-1214.97	572.67	1729795.17	14300956.40	39°22'53.0061"N	80°41'1.2964"W	1343.17	154.764	0.34	-0.16	0.31	
8810.00	88.210	160.890	7184.56	1428.86	-1303.78	603.38	1729825.87	14300867.62	39°22'52.1273"N	80°41'0.9093"W	1436.63	155.166	0.73	-0.72	-0.07	
8904.00	88.190	159.750	7187.51	1522.80	-1392.25	635.02	1729857.50	14300779.19	39°22'51.2519"N	80°41'0.5103"W	1530.23	155.482	1.21	-0.02	-1.21	
8999.00	88.650	160.490	7190.13	1617.75	-1481.55	667.31	1729889.78	14300689.92	39°22'50.3681"N	80°41'0.1030"W	1624.90	155.753	0.92	0.48	0.78	
9188.00	89.540	160.800	7193.11	1806.71	-1659.84	729.94	1729952.38	14300511.70	39°22'48.6038"N	80°40'59.3134"W	1813.26	156.262	0.50	0.47	0.16	
9283.00	89.390	161.000	7194.00	1901.71	-1749.61	761.02	1729983.46	14300421.97	39°22'47.7155"N	80°40'58.9216"W	1907.96	156.493	0.26	-0.16	0.21	
9377.00	89.850	161.260	7194.62	1995.71	-1838.56	791.42	1730013.84	14300333.06	39°22'46.8353"N	80°40'58.5384"W	2001.66	156.710	0.56	0.49	0.28	
9471.00	89.170	159.690	7195.43	2089.69	-1927.14	822.84	1730045.25	14300244.50	39°22'45.9587"N	80°40'58.1423"W	2095.46	156.879	1.82	-0.72	-1.67	
9566.00	89.570	159.670	7196.47	2184.66	-2016.23	855.83	1730078.22	14300155.46	39°22'45.0771"N	80°40'57.7262"W	2190.34	157.000	0.42	0.42	-0.02	
9660.00	89.600	160.760	7197.15	2278.64	-2104.67	887.64	1730110.03	14300067.04	39°22'44.2018"N	80°40'57.3250"W	2284.20	157.132	1.16	0.03	1.16	
9754.00	89.910	160.590	7197.56	2372.64	-2193.38	918.75	1730141.12	14299978.38	39°22'43.3240"N	80°40'56.9328"W	2378.03	157.272	0.38	0.33	-0.18	
9849.00	89.350	160.430	7198.17	2467.63	-2282.93	950.45	1730172.80	14299888.86	39°22'42.4378"N	80°40'56.5332"W	2472.88	157.397	0.61	-0.59	-0.17	
9943.00	89.750	160.570	7198.91	2561.62	-2371.54	981.82	1730204.17	14299800.29	39°22'41.5610"N	80°40'56.1376"W	2566.74	157.510	0.45	0.43	0.15	
10037.00	89.290	160.950	7199.70	2655.62	-2460.28	1012.80	1730235.13	14299711.57	39°22'40.6828"N	80°40'55.7471"W	2660.59	157.625	0.63	-0.49	0.40	
10132.00	89.170	160.250	7200.97	2750.60	-2549.88	1044.35	1730266.67	14299622.01	39°22'39.7962"N	80°40'55.3494"W	2755.46	157.728	0.75	-0.13	-0.74	
10226.00	88.990	160.050	7202.48	2844.58	-2638.28	1076.26	1730298.57	14299533.64	39°22'38.9213"N	80°40'54.9469"W	2849.37	157.807	0.29	-0.19	-0.21	
10320.00	89.750	160.660	7203.52	2938.56	-2726.81	1107.86	1730330.16	14299445.16	39°22'38.0453"N	80°40'54.5485"W	2943.27	157.889	1.04	0.81	0.65	
10415.00	90.620	164.440	7203.21	3033.51	-2817.42	1136.35	1730358.63	14299354.58	39°22'37.1488"N	80°40'54.1898"W	3037.95	158.034	4.08	0.92	3.98	
10509.00	89.720	161.220	7202.93	3127.46	-2907.21	1164.09	1730386.36	14299264.82	39°22'36.2603"N	80°40'53.8406"W	3131.61	158.178	3.56	-0.96	-3.43	

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10603.00	89.600	161.790	7203.49	3221.45	-2996.36	1193.91	1730416.17	14299175.71	39°22'35.3782"N	80°40'53.4648"W	3225.46	158.275	0.62	-0.13	0.61	
10698.00	88.980	161.430	7204.66	3316.44	-3086.50	1223.88	1730446.13	14299085.61	39°22'34.4863"N	80°40'53.0873"W	3320.29	158.370	0.75	-0.65	-0.38	
10792.00	89.020	159.410	7206.30	3410.42	-3175.04	1255.37	1730477.61	14298997.09	39°22'33.6100"N	80°40'52.6902"W	3414.22	158.427	2.15	0.04	-2.15	
10887.00	89.690	161.440	7207.37	3505.40	-3264.54	1287.20	1730509.42	14298907.63	39°22'32.7243"N	80°40'52.2890"W	3509.15	158.481	2.25	0.71	2.14	
10981.00	89.910	163.910	7207.70	3599.35	-3354.27	1315.19	1730537.40	14298817.94	39°22'31.8365"N	80°40'51.9366"W	3602.89	158.590	2.64	0.23	2.63	
11075.00	89.230	161.620	7208.41	3693.31	-3444.04	1343.04	1730565.24	14298728.20	39°22'30.9483"N	80°40'51.5860"W	3696.64	158.696	2.54	-0.72	-2.44	
11170.00	88.890	160.900	7209.97	3788.29	-3533.99	1373.55	1730595.74	14298638.29	39°22'30.0582"N	80°40'51.2014"W	3791.54	158.760	0.84	-0.36	-0.76	
11264.00	89.410	161.040	7211.36	3882.28	-3622.84	1404.20	1730626.38	14298549.47	39°22'29.1790"N	80°40'50.8152"W	3885.46	158.814	0.57	0.55	0.15	
11359.00	89.480	161.190	7212.28	3977.28	-3712.73	1434.95	1730657.11	14298459.62	39°22'28.2896"N	80°40'50.4277"W	3980.38	158.869	0.17	0.07	0.16	
11453.00	89.660	161.550	7212.99	4071.27	-3801.80	1464.97	1730687.13	14298370.59	39°22'27.4082"N	80°40'50.0493"W	4074.29	158.926	0.43	0.19	0.38	
11548.00	89.510	161.540	7213.67	4166.27	-3891.91	1495.05	1730717.19	14298280.51	39°22'26.5165"N	80°40'49.6705"W	4169.19	158.986	0.16	-0.16	-0.01	
11642.00	89.570	162.770	7214.43	4260.25	-3981.38	1523.85	1730745.98	14298191.07	39°22'25.6312"N	80°40'49.3077"W	4263.04	159.056	1.31	0.06	1.31	
11736.00	89.660	162.280	7215.06	4354.22	-4071.04	1552.08	1730774.20	14298101.45	39°22'24.7440"N	80°40'48.9523"W	4356.87	159.131	0.53	0.10	-0.52	
11831.00	89.750	162.710	7215.55	4449.19	-4161.64	1580.65	1730802.76	14298010.88	39°22'23.8476"N	80°40'48.5926"W	4451.71	159.202	0.46	0.09	0.45	
11925.00	89.850	162.710	7215.88	4543.15	-4251.39	1608.59	1730830.69	14297921.17	39°22'22.9596"N	80°40'48.2409"W	4545.54	159.275	0.11	0.11	0.00	
12019.00	89.690	162.930	7216.26	4637.11	-4341.20	1636.35	1730858.44	14297831.40	39°22'22.0710"N	80°40'47.8914"W	4639.36	159.347	0.29	-0.17	0.23	
12114.00	89.690	162.650	7216.77	4732.07	-4431.94	1664.46	1730886.54	14297740.69	39°22'21.1731"N	80°40'47.5376"W	4734.19	159.416	0.29	0.00	-0.29	
12208.00	89.630	161.500	7217.33	4826.06	-4521.38	1693.39	1730915.46	14297651.29	39°22'20.2882"N	80°40'47.1732"W	4828.09	159.468	1.23	-0.06	-1.22	
12302.00	89.660	161.860	7217.91	4920.05	-4610.61	1722.94	1730944.99	14297562.09	39°22'19.4052"N	80°40'46.8010"W	4922.02	159.510	0.38	0.03	0.38	
12396.00	89.780	161.510	7218.37	5014.04	-4699.85	1752.48	1730974.52	14297472.89	39°22'18.5222"N	80°40'46.4289"W	5015.95	159.551	0.39	0.13	-0.37	
12491.00	89.750	161.770	7218.76	5109.04	-4790.01	1782.40	1731004.43	14297382.76	39°22'17.6300"N	80°40'46.0520"W	5110.89	159.589	0.28	-0.03	0.27	
12585.00	89.810	162.020	7219.12	5203.03	-4879.36	1811.61	1731033.63	14297293.45	39°22'16.7460"N	80°40'45.6841"W	5204.81	159.631	0.27	0.06	0.27	
12774.00	89.630	161.430	7220.04	5392.02	-5058.82	1870.88	1731092.87	14297114.06	39°22'14.9701"N	80°40'44.9376"W	5393.69	159.704	0.33	-0.10	-0.31	
12868.00	89.570	161.540	7220.70	5486.01	-5147.95	1900.72	1731122.71	14297024.96	39°22'14.0881"N	80°40'44.5615"W	5487.64	159.735	0.13	-0.06	0.12	
12963.00	89.630	161.690	7221.36	5581.01	-5238.10	1930.69	1731152.66	14296934.85	39°22'13.1961"N	80°40'44.1841"W	5582.59	159.767	0.17	0.06	0.16	
13057.00	89.820	161.550	7221.81	5675.00	-5327.31	1960.33	1731182.29	14296845.68	39°22'12.3134"N	80°40'43.8107"W	5676.54	159.798	0.25	0.20	-0.15	
13151.00	89.720	161.240	7222.19	5769.00	-5416.39	1990.32	1731212.26	14296756.63	39°22'11.4319"N	80°40'43.4329"W	5770.50	159.824	0.35	-0.11	-0.33	
13246.00	89.630	161.430	7222.73	5864.00	-5506.39	2020.72	1731242.65	14296666.66	39°22'10.5413"N	80°40'43.0499"W	5865.47	159.848	0.22	-0.09	0.20	
13340.00	89.820	161.960	7223.18	5957.99	-5595.64	2050.24	1731272.17	14296577.45	39°22'9.6582"N	80°40'42.6780"W	5959.42	159.877	0.60	0.20	0.56	
13435.00	89.750	161.890	7223.54	6052.98	-5685.95	2079.72	1731301.63	14296487.18	39°22'8.7646"N	80°40'42.3068"W	6054.36	159.909	0.10	-0.07	-0.07	

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Dodrill Unit 1H
Field	Doddridge		API	47-017-06979-0000
Facility	Crimson Pad		Wellbore	Dodrill Unit 1H AWB
Slot	Slot G			

WELLPATH DATA (212 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
13529.00	89.630	161.550	7224.05	6146.98	-5775.20	2109.20	1731331.10	14296397.96	39°22'7.8814"N	80°40'41.9354"W	6148.31	159.937	0.38	-0.13	-0.36	
13718.00	89.630	160.760	7225.27	6335.97	-5954.07	2170.25	1731392.12	14296219.16	39°22'6.1114"N	80°40'41.1662"W	6337.26	159.973	0.42	0.00	-0.42	
13813.00	89.820	161.420	7225.72	6430.97	-6043.94	2201.03	1731422.90	14296129.33	39°22'5.2221"N	80°40'40.7783"W	6432.24	159.990	0.72	0.20	0.69	
13907.00	89.600	161.750	7226.20	6524.96	-6133.12	2230.73	1731452.58	14296040.18	39°22'4.3396"N	80°40'40.4043"W	6526.20	160.013	0.42	-0.23	0.35	
14001.00	89.630	158.350	7226.83	6618.93	-6221.47	2262.80	1731484.64	14295951.87	39°22'3.4653"N	80°40'40.0000"W	6620.19	160.013	3.62	0.03	-3.62	
14095.00	89.910	161.160	7227.21	6712.89	-6309.65	2295.32	1731517.15	14295863.72	39°22'2.5926"N	80°40'39.5899"W	6714.18	160.010	3.00	0.30	2.99	
14190.00	89.910	160.410	7227.36	6807.89	-6399.36	2326.58	1731548.40	14295774.05	39°22'1.7049"N	80°40'39.1959"W	6809.17	160.020	0.79	0.00	-0.79	
14284.00	89.820	158.410	7227.58	6901.84	-6487.35	2359.64	1731581.44	14295686.09	39°22'0.8341"N	80°40'38.7790"W	6903.16	160.012	2.13	-0.10	-2.13	
14473.00	89.880	161.370	7228.07	7090.78	-6664.80	2424.62	1731646.39	14295508.70	39°21'59.0779"N	80°40'37.9598"W	7092.14	160.009	1.57	0.03	1.57	
14567.00	89.880	161.620	7228.27	7184.78	-6753.94	2454.45	1731676.22	14295419.60	39°21'58.1958"N	80°40'37.5840"W	7186.10	160.028	0.27	0.00	0.27	
14662.00	89.880	161.470	7228.47	7279.77	-6844.06	2484.52	1731706.28	14295329.52	39°21'57.3041"N	80°40'37.2052"W	7281.07	160.048	0.16	0.00	-0.16	
14756.00	90.340	162.010	7228.29	7373.77	-6933.32	2513.98	1731735.72	14295240.29	39°21'56.4208"N	80°40'36.8342"W	7375.03	160.070	0.75	0.49	0.57	
14851.00	90.340	161.120	7227.73	7468.76	-7023.45	2544.02	1731765.75	14295150.20	39°21'55.5290"N	80°40'36.4559"W	7470.00	160.089	0.94	0.00	-0.94	
14945.00	90.150	161.140	7227.32	7562.76	-7112.39	2574.42	1731796.14	14295061.29	39°21'54.6488"N	80°40'36.0728"W	7563.98	160.102	0.20	-0.20	0.02	
15040.00	90.250	161.030	7226.99	7657.76	-7202.26	2605.21	1731826.92	14294971.46	39°21'53.7595"N	80°40'35.6849"W	7658.96	160.114	0.16	0.11	-0.12	
15229.00	90.370	161.400	7225.97	7846.76	-7381.19	2666.07	1731887.76	14294792.60	39°21'51.9889"N	80°40'34.9181"W	7847.93	160.140	0.21	0.06	0.20	
15323.00	90.120	161.160	7225.57	7940.76	-7470.22	2696.24	1731917.91	14294703.61	39°21'51.1079"N	80°40'34.5381"W	7941.91	160.154	0.37	-0.27	-0.26	
15418.00	90.310	162.190	7225.21	8035.75	-7560.40	2726.11	1731947.77	14294613.46	39°21'50.2156"N	80°40'34.1619"W	8036.87	160.172	1.10	0.20	1.08	BH AT Curve <8-1/2"> (15323')(15418'-19463')
15512.00	90.400	161.410	7224.63	8129.74	-7649.69	2755.47	1731977.12	14294524.20	39°21'49.3320"N	80°40'33.7922"W	8130.83	160.191	0.84	0.10	-0.83	
15606.00	89.850	161.010	7224.42	8223.74	-7738.68	2785.75	1732007.38	14294435.25	39°21'48.4514"N	80°40'33.4108"W	8224.82	160.202	0.72	-0.59	-0.43	
15700.00	89.940	160.820	7224.60	8317.74	-7827.52	2816.48	1732038.10	14294346.45	39°21'47.5723"N	80°40'33.0235"W	8318.81	160.210	0.22	0.10	-0.20	
15794.00	89.880	161.250	7224.74	8411.74	-7916.41	2847.03	1732068.64	14294257.59	39°21'46.6926"N	80°40'32.6387"W	8412.80	160.220	0.46	-0.06	0.46	
15888.00	90.150	160.080	7224.72	8505.73	-8005.11	2878.15	1732099.75	14294168.92	39°21'45.8149"N	80°40'32.2465"W	8506.80	160.224	1.28	0.29	-1.24	
15983.00	90.860	161.920	7223.88	8600.72	-8094.93	2909.08	1732130.67	14294079.14	39°21'44.9261"N	80°40'31.8568"W	8601.78	160.233	2.08	0.75	1.94	
16078.00	89.480	161.090	7223.60	8695.72	-8185.02	2939.21	1732160.79	14293989.09	39°21'44.0346"N	80°40'31.4773"W	8696.75	160.247	1.70	-1.45	-0.87	
16172.00	90.310	161.050	7223.77	8789.72	-8273.93	2969.71	1732191.27	14293900.21	39°21'43.1547"N	80°40'31.0931"W	8790.74	160.256	0.88	0.88	-0.04	
16266.00	89.780	161.130	7223.70	8883.72	-8362.86	3000.17	1732221.72	14293811.32	39°21'42.2747"N	80°40'30.7094"W	8884.73	160.265	0.57	-0.56	0.09	
16361.00	89.850	161.150	7224.00	8978.72	-8452.76	3030.88	1732252.42	14293721.45	39°21'41.3851"N	80°40'30.3225"W	8979.72	160.274	0.08	0.07	0.02	
16455.00	89.260	161.730	7224.73	9072.71	-8541.87	3060.80	1732282.33	14293632.38	39°21'40.5033"N	80°40'29.9457"W	9073.70	160.286	0.88	-0.63	0.62	
16549.00	90.340	160.720	7225.06	9166.71	-8630.86	3091.05	1732312.57	14293543.42	39°21'39.6227"N	80°40'29.5646"W	9167.68	160.296	1.57	1.15	-1.07	

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (212 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
16644.00	89.630	159.760	7225.09	9261.70	-8720.27	3123.17	1732344.67	14293454.05	39°21'38.7379"N	80°40'29.1598"W	9262.68	160.295	1.26	-0.75	-1.01	
16738.00	91.230	161.270	7224.38	9355.68	-8808.87	3154.52	1732376.01	14293365.48	39°21'37.8610"N	80°40'28.7647"W	9356.67	160.297	2.34	1.70	1.61	
16833.00	90.060	161.260	7223.31	9450.67	-8898.83	3185.03	1732406.51	14293275.55	39°21'36.9708"N	80°40'28.3804"W	9451.65	160.307	1.23	-1.23	-0.01	
16927.00	90.310	161.610	7223.01	9544.67	-8987.94	3214.96	1732436.43	14293186.48	39°21'36.0891"N	80°40'28.0035"W	9545.63	160.318	0.46	0.27	0.37	
17022.00	89.380	159.590	7223.27	9639.66	-9077.54	3246.51	1732467.97	14293096.92	39°21'35.2024"N	80°40'27.6059"W	9640.62	160.321	2.34	-0.98	-2.13	
17116.00	90.060	161.190	7223.73	9733.65	-9166.08	3278.06	1732499.50	14293008.41	39°21'34.3261"N	80°40'27.2083"W	9734.62	160.321	1.85	0.72	1.70	
17210.00	89.910	160.990	7223.75	9827.65	-9255.01	3308.52	1732529.95	14292919.52	39°21'33.4461"N	80°40'26.8246"W	9828.61	160.329	0.27	-0.16	-0.21	
17305.00	91.140	160.980	7222.88	9922.64	-9344.82	3339.47	1732560.89	14292829.74	39°21'32.5574"N	80°40'26.4346"W	9923.60	160.335	1.29	1.29	-0.01	
17399.00	90.280	161.160	7221.72	10016.63	-9433.73	3369.97	1732591.37	14292740.87	39°21'31.6776"N	80°40'26.0505"W	10017.58	160.342	0.93	-0.91	0.19	
17493.00	89.720	161.060	7221.72	10110.63	-9522.67	3400.40	1732621.79	14292651.96	39°21'30.7975"N	80°40'25.6672"W	10111.57	160.349	0.61	-0.60	-0.11	
17587.00	90.740	161.450	7221.34	10204.63	-9611.68	3430.61	1732651.99	14292562.99	39°21'29.9166"N	80°40'25.2867"W	10205.56	160.357	1.16	1.09	0.41	
17682.00	90.680	161.010	7220.16	10299.62	-9701.62	3461.17	1732682.54	14292473.08	39°21'29.0266"N	80°40'24.9017"W	10300.54	160.366	0.47	-0.06	-0.46	
17776.00	90.580	161.600	7219.13	10393.62	-9790.65	3491.30	1732712.66	14292384.08	39°21'28.1456"N	80°40'24.5223"W	10394.52	160.374	0.64	-0.11	0.63	
17871.00	90.490	161.150	7218.24	10488.61	-9880.67	3521.64	1732742.98	14292294.10	39°21'27.2547"N	80°40'24.1402"W	10489.50	160.383	0.48	-0.09	-0.47	
17965.00	89.630	162.140	7218.14	10582.61	-9969.89	3551.24	1732772.57	14292204.92	39°21'26.3719"N	80°40'23.7675"W	10583.48	160.394	1.40	-0.91	1.05	
18060.00	90.180	161.050	7218.30	10677.60	-10060.03	3581.23	1732802.56	14292114.81	39°21'25.4800"N	80°40'23.3898"W	10678.46	160.405	1.29	0.58	-1.15	
18155.00	90.280	160.940	7217.92	10772.60	-10149.85	3612.17	1732833.48	14292025.03	39°21'24.5911"N	80°40'23.0001"W	10773.45	160.410	0.16	0.11	-0.12	
18249.00	90.340	161.090	7217.41	10866.60	-10238.74	3642.75	1732864.05	14291936.18	39°21'23.7115"N	80°40'22.6149"W	10867.44	160.415	0.17	0.06	0.16	
18344.00	89.910	160.590	7217.20	10961.60	-10328.47	3673.93	1732895.21	14291846.48	39°21'22.8235"N	80°40'22.2221"W	10962.44	160.419	0.69	-0.45	-0.53	
18439.00	90.460	160.670	7216.90	11056.59	-10418.09	3705.44	1732926.71	14291756.89	39°21'21.9366"N	80°40'21.8251"W	11057.44	160.421	0.59	0.58	0.08	
18533.00	89.820	160.850	7216.67	11150.59	-10506.84	3736.41	1732957.67	14291668.18	39°21'21.0583"N	80°40'21.4348"W	11151.44	160.424	0.71	-0.68	0.19	
18628.00	89.660	160.950	7217.10	11245.59	-10596.61	3767.50	1732988.75	14291578.44	39°21'20.1700"N	80°40'21.0433"W	11246.43	160.428	0.20	-0.17	0.11	
18723.00	90.250	161.340	7217.17	11340.59	-10686.51	3798.20	1733019.44	14291488.58	39°21'19.2803"N	80°40'20.6566"W	11341.42	160.434	0.74	0.62	0.41	
18817.00	90.280	161.240	7216.74	11434.59	-10775.55	3828.35	1733049.58	14291399.58	39°21'18.3993"N	80°40'20.2768"W	11435.41	160.441	0.11	0.03	-0.11	
18912.00	90.250	161.240	7216.30	11529.58	-10865.50	3858.90	1733080.12	14291309.66	39°21'17.5091"N	80°40'19.8920"W	11530.40	160.447	0.03	-0.03	0.00	
19007.00	90.250	161.310	7215.88	11624.58	-10955.47	3889.40	1733110.60	14291219.73	39°21'16.6188"N	80°40'19.5080"W	11625.39	160.454	0.07	0.00	0.07	
19101.00	90.520	161.640	7215.25	11718.58	-11044.60	3919.27	1733140.46	14291130.63	39°21'15.7369"N	80°40'19.1319"W	11719.37	160.462	0.45	0.29	0.35	
19196.00	90.250	161.590	7214.61	11813.57	-11134.74	3949.23	1733170.41	14291040.52	39°21'14.8448"N	80°40'18.7546"W	11814.35	160.472	0.29	-0.28	-0.05	
19291.00	90.030	161.160	7214.38	11908.57	-11224.77	3979.57	1733200.73	14290950.53	39°21'13.9539"N	80°40'18.3726"W	11909.34	160.479	0.51	-0.23	-0.45	
19385.00	89.970	161.190	7214.38	12002.57	-11313.74	4009.90	1733231.05	14290861.60	39°21'13.0735"N	80°40'17.9906"W	12003.33	160.484	0.07	-0.06	0.03	

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

WELLPATH DATA (212 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
19463.00	90.030	161.360	7214.38	12080.57	-11387.61	4034.94	1733256.08	14290787.75	39°21'12.3425"N	80°40'17.6752"W	12081.33	160.489	0.23	0.08	0.22	
19488.00‡	90.030	161.360	7214.37	12105.57	-11411.30	4042.93	1733264.07	14290764.07	39°21'12.1081"N	80°40'17.5746"W	12106.32	160.491	0.00	0.00	0.00	Projected MD at TD: 19488'

HOLE & CASING SECTIONS - Ref Wellbore: Dodrill Unit 1H AWB Ref Wellpath: Dodrill Unit 1H AWP Proj: 19488'

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	-0.46	-0.06
17.5in Open Hole	125.50	1081.00	955.50	125.50	1080.99	-0.46	-0.06	-3.55	0.07
13.375in Casing Surface	25.50	1060.00	1034.50	25.50	1059.99	0.00	0.00	-3.48	0.13
12.375in Open Hole	1081.00	3172.00	2091.00	1080.99	3150.15	-3.55	0.07	280.76	-17.27
9.625in Casing Intermediate	25.50	3142.00	3116.50	25.50	3120.48	0.00	0.00	276.35	-17.12
8.75in Open Hole	3172.00	6527.00	3355.00	3150.15	6490.96	280.76	-17.27	477.30	-15.83
8.5in Open Hole	6527.00	19488.00	12961.00	6490.96	7214.37	477.30	-15.83	-11411.30	4042.93
5.5in Casing Production	25.50	19468.00	19442.50	25.50	7214.38	0.00	0.00	-11392.35	4036.54

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill 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
Dodrill Unit 1H POE Rev-2	7173.00	34.25	131.94	1729354.62	14302205.13	39°23'5.3681"N	80°41'6.8536"W	point
Dodrill Unit 1H BHL Rev-2	7198.00	-11387.20	4034.79	1733255.93	14290788.16	39°21'12.3465"N	80°40'17.6772"W	point
Dodrill Unit 1H LP Rev-2	7198.00	-132.91	189.06	1729411.72	14302038.03	39°23'3.7139"N	80°41'6.1335"W	point
Dodrill Unit 1H 50' L/R Hard Line	7500.00	-5676.48	2083.36	1731305.28	14296496.64	39°22'8.8581"N	80°40'42.2599"W	rectangle
2D Rectangle 12069.9 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Dodrill Unit 1H AWB Ref Wellpath: Dodrill Unit 1H AWP Proj: 19488'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	1040.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-1040')	Dodrill Unit 1H AWB	8/8/2024
1040.00	3096.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-3/8"> (1040')(1171'-3096')	Dodrill Unit 1H AWB	8/8/2024
3096.00	6459.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3096')(3245'-6459')	Dodrill Unit 1H AWB	8/8/2024
6459.00	15323.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8-1/2"> (6459')(6502'-15323')	Dodrill Unit 1H AWB	8/8/2024
15323.00	19488.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH AT Curve <8-1/2"> (15323')(15418'-19463')	Dodrill Unit 1H AWB	8/16/2024

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Actual Wellpath Report

Dodrill Unit 1H AWP Proj: 19488'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dodrill Unit 1H
Field	Doddridge	API	47-017-06979-0000
Facility	Crimson Pad	Wellbore	Dodrill Unit 1H AWB
Slot	Slot G		

COMMENTS

Wellpath general comments

API: 47-017-06979-0000
 BH Job #: 112320240
 Rig: H&P 317
 Duration: 8/9/2024-8/16/2024
 Gyrodata MS Gyro <17-1/2"> (100'-1040')
 APS EM <12-3/8"> (1040')(1171'-3096')
 APS EM <8-3/4"> (3096')(3245'-6459')
 BH Lucida <8-1/2"> (6459')(6502'-15323')
 BH AT Curve <8-1/2"> (15323')(15418'-19463')
 Sycamore: 6799' MD
 Middlesex: 6959' MD
 Burkett: 7158' MD
 Tully: 7207' MD
 Marcellus POE: 7418' MD
 Projected MD at TD: 19488'

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