



ANTERO RESOURCES CORPORATION

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

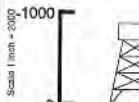
Slot: Slot F
Well: Cargo Unit 1H
Wellbore: Cargo Unit 1H PWB



Plot reference wellpath is Cargo 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: 1206.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (# 55K 5M F) : -1181 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edharney on 2024-05-29; Database: WA_MPL_EASTERNUS_Data

Location Information						
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
Fluharty Pad	1692686.950	14370028.840	39°34'16.9561"N	80°48'52.2497"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot F	-20.80	21.63	1692708.570	14370008.050	39°34'16.7602"N	80°48'51.9741"W
Comment	Cargo Unit 1H					
H&P 317 (RKB) to Ground level (At Slot: Slot F)	25.5ft					
Mean Sea Level to Ground level (At Slot: Slot F)	-1181ft					
H&P 317 (RKB) to Mean Sea Level	1206.5ft					

Well Profile Data							
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	3133.00	15.910	74.320	3015.51	130.30	698.91	-102.01
Proj. to Bottom	3212.00	15.910	74.320	3091.48	136.15	719.76	-103.19
Drill Out	3292.00	15.910	74.320	3168.42	142.08	740.88	-104.39
End of 3D Arc	3529.67	20.318	80.089	3394.28	158.00	812.93	-112.66
Curve KOP	6478.42	20.318	80.089	6159.56	334.23	1821.53	-270.84
POE	7341.28	73.569	341.190	6785.00	830.06	1838.33	193.00
Landing Pt.	7523.86	90.000	341.190	6811.00	1000.52	1780.26	373.08
BHL	24301.86	90.000	341.190	6811.00	16882.49	-3629.39	17151.08



Gyrodata MS Gyro <17-1/2"> (100'-400') : 0.18" Inc, 100.00ft MD, 100.00ft TVD, -0.12ft VS
 Gyrodata MS Gyro <12-3/8"> (400')(465') : 0.44" Inc, 465.00ft MD, 464.99ft TVD, -1.86ft VS
 APS EM <12-3/8"> (465')(502'-3133') : 0.75" Inc, 502.00ft MD, 501.99ft TVD, -2.20ft VS

Well Data			
Slot	Well	Wellbore	Wellpath
Slot F	Cargo Unit 1H	Cargo Unit 1H AWB	Cargo Unit 1H AWP Proj: 24267'
Slot F	Cargo Unit 1H	Cargo Unit 1H PWB	Cargo Unit 1H PWP Rev-B.0

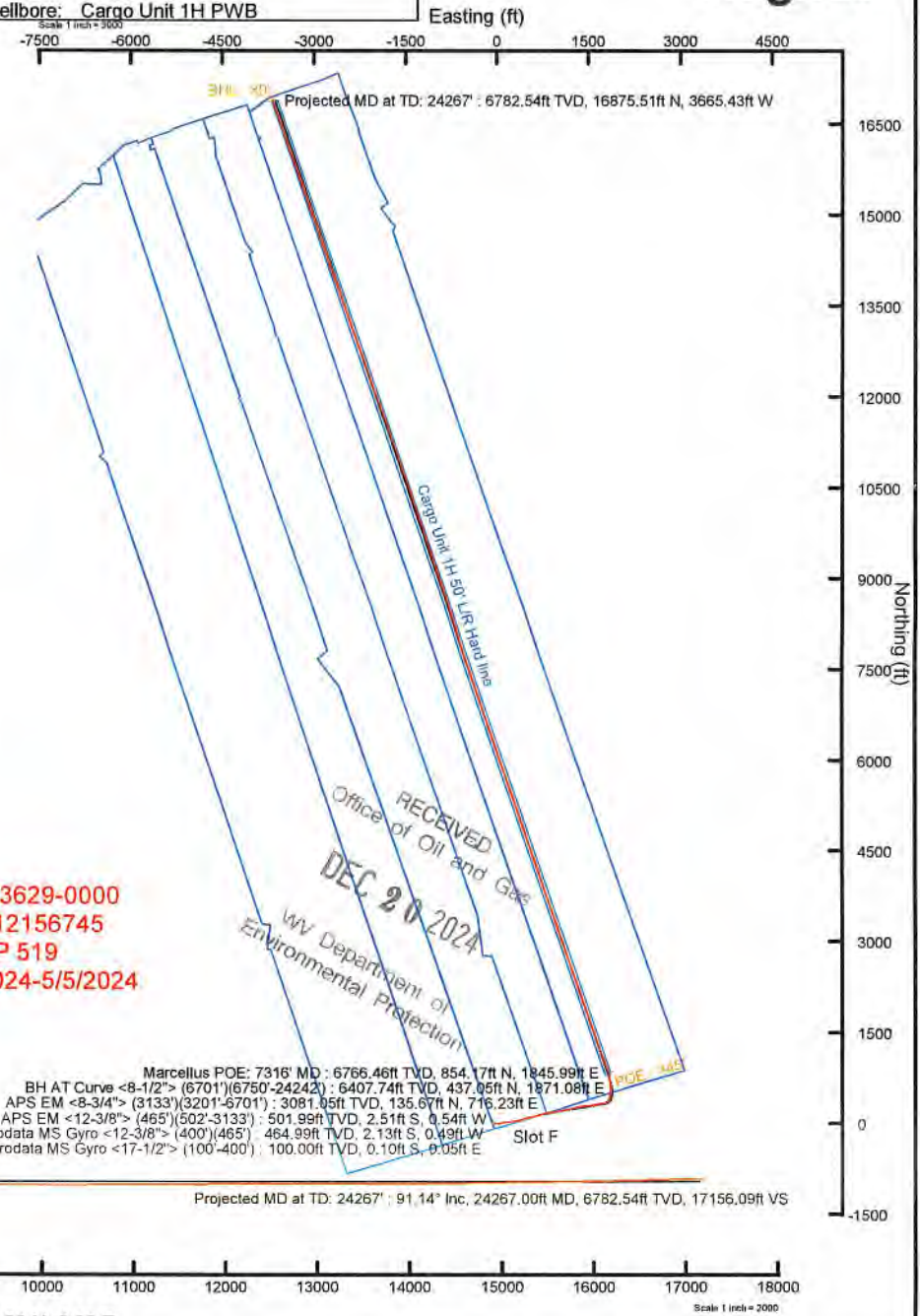
APS EM <8-3/4"> (3133')(3201'-6701') : 15.02" Inc, 3201.00ft MD, 3081.05ft TVD, -102.51ft VS



BH AT Curve <8-1/2"> (6701')(6750'-24242') : 29.81" Inc, 6750.00ft MD, 6407.74ft TVD, -189.58ft VS
 Marcellus POE: 7316' MD, 70.13" Inc, 7316.00ft MD, 6766.46ft TVD, 213.34ft VS

API: 47-103-03629-0000
BH Job #: 112156745
Rig: H&P 519
Duration: 5/1/2024-5/5/2024

Marcellus POE: 7316' MD : 6766.46ft TVD, 854.17ft N, 1845.99ft E
 BH AT Curve <8-1/2"> (6701')(6750'-24242') : 6407.74ft TVD, 437.95ft N, 1871.08ft E
 APS EM <8-3/4"> (3133')(3201'-6701') : 3081.05ft TVD, 136.67ft N, 716.23ft E
 APS EM <12-3/8"> (465')(502'-3133') : 501.99ft TVD, 2.51ft S, 0.54ft W
 Gyrodata MS Gyro <12-3/8"> (400')(465') : 464.99ft TVD, 2.13ft S, 0.49ft W
 Gyrodata MS Gyro <17-1/2"> (100'-400') : 100.00ft TVD, 0.10ft S, 0.05ft E



Vertical Section (ft)
 Azimuth 341.19° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999603	Report Generated	5/28/2024 at 4:58:22 PM
Convergence at slot	0.12° 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	-20.80	21.63	1692708.57	14370008.05	39°34'16.7602"N	80°48'51.9741"W
Facility Reference Pt			1692686.95	14370028.84	39°34'16.9661"N	80°48'52.2497"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	1206.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1206.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot F)	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	341.19°

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cargo Unit 1H
Field	Wetzel		API	47-103-03629-0000
Facility	Fluharty Pad		Wellbore	Cargo Unit 1H AWB
Slot	Slot F			

WELLPATH DATA (265 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	152.550	0.00	0.00	0.00	0.00	1692708.57	14370008.05	39°34'16.7602"N	80°48'51.9741"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	152.550	25.50	0.00	0.00	0.00	1692708.57	14370008.05	39°34'16.7602"N	80°48'51.9741"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.180	152.550	100.00	-0.12	-0.10	0.05	1692708.62	14370007.95	39°34'16.7591"N	80°48'51.9734"W	0.12	152.550	0.24	0.24	0.00	Gyrodata MS Gyro <17-1/2"> (100'-400')
200.00	0.320	212.190	200.00	-0.45	-0.48	-0.02	1692708.55	14370007.57	39°34'16.7554"N	80°48'51.9744"W	0.48	182.676	0.28	0.14	59.64	
300.00	0.360	193.430	300.00	-0.89	-1.02	-0.24	1692708.33	14370007.03	39°34'16.7501"N	80°48'51.9772"W	1.05	193.442	0.12	0.04	-18.76	
400.00	0.400	194.200	400.00	-1.45	-1.67	-0.40	1692708.17	14370006.39	39°34'16.7437"N	80°48'51.9793"W	1.71	193.594	0.04	0.04	0.77	
465.00	0.440	186.140	464.99	-1.86	-2.13	-0.49	1692708.09	14370005.92	39°34'16.7391"N	80°48'51.9803"W	2.19	192.809	0.11	0.06	-12.40	Gyrodata MS Gyro <12-3/8"> (400')(465')
502.00	0.750	189.720	501.99	-2.20	-2.51	-0.54	1692708.03	14370005.54	39°34'16.7353"N	80°48'51.9810"W	2.57	192.151	0.84	0.84	9.68	APS EM <12-3/8"> (465')(502'-313')
592.00	1.250	129.190	591.98	-3.55	-3.71	0.12	1692708.69	14370004.34	39°34'16.7234"N	80°48'51.9726"W	3.72	178.146	1.22	0.56	-67.26	
682.00	2.440	104.040	681.93	-5.43	-4.80	2.74	1692711.31	14370003.25	39°34'16.7127"N	80°48'51.9392"W	5.53	150.280	1.57	1.32	-27.94	
771.00	4.180	90.270	770.78	-7.51	-5.27	7.82	1692716.39	14370002.78	39°34'16.7079"N	80°48'51.8743"W	9.43	123.993	2.14	1.96	-15.47	
859.00	6.000	87.080	858.43	-9.82	-5.06	15.62	1692724.19	14370003.00	39°34'16.7099"N	80°48'51.7747"W	16.42	107.931	2.09	2.07	-3.62	
948.00	7.240	84.320	946.84	-12.37	-4.26	25.85	1692734.41	14370003.79	39°34'16.7175"N	80°48'51.6441"W	26.20	99.365	1.44	1.39	-3.10	
1036.00	9.120	79.190	1033.94	-14.60	-2.41	38.22	1692746.77	14370005.64	39°34'16.7356"N	80°48'51.4861"W	38.29	93.602	2.29	2.14	-5.83	
1130.00	11.670	76.180	1126.39	-16.46	1.26	54.77	1692763.32	14370009.31	39°34'16.7715"N	80°48'51.2746"W	54.79	88.679	2.77	2.71	-3.20	
1224.00	13.200	78.350	1218.18	-18.63	5.70	74.52	1692783.06	14370013.75	39°34'16.8150"N	80°48'51.0224"W	74.73	85.625	1.70	1.63	2.31	
1319.00	14.930	81.630	1310.33	-22.20	9.67	97.25	1692805.78	14370017.72	39°34'16.8538"N	80°48'50.7320"W	97.73	84.320	2.00	1.82	3.45	
1413.00	16.630	82.800	1400.79	-27.10	13.12	122.57	1692831.10	14370021.17	39°34'16.8873"N	80°48'50.4085"W	123.28	83.890	1.84	1.81	1.24	
1507.00	18.240	84.960	1490.47	-33.31	16.10	150.58	1692859.09	14370024.14	39°34'16.9162"N	80°48'50.0508"W	151.43	83.897	1.85	1.71	2.30	
1601.00	18.560	84.600	1579.66	-40.28	18.80	180.12	1692888.62	14370026.84	39°34'16.9423"N	80°48'49.6734"W	181.10	84.041	0.36	0.34	-0.38	
1696.00	19.330	84.080	1669.51	-47.29	21.85	210.82	1692919.30	14370029.89	39°34'16.9717"N	80°48'49.2814"W	211.94	84.084	0.83	0.81	-0.55	
1791.00	21.380	83.290	1758.58	-54.43	25.49	243.66	1692952.13	14370033.53	39°34'17.0071"N	80°48'48.8620"W	244.99	84.028	2.18	2.16	-0.83	
1885.00	22.030	81.850	1845.91	-61.29	29.99	278.12	1692986.58	14370038.03	39°34'17.0509"N	80°48'48.4217"W	279.74	83.845	0.89	0.69	-1.53	
1980.00	21.710	80.610	1934.07	-67.46	35.38	313.10	1693021.54	14370043.42	39°34'17.1035"N	80°48'47.9750"W	315.09	83.552	0.59	-0.34	-1.31	
2074.00	21.740	78.970	2021.40	-72.66	41.55	347.34	1693055.77	14370049.59	39°34'17.1637"N	80°48'47.5376"W	349.81	83.178	0.65	0.03	-1.74	
2168.00	20.950	76.640	2108.95	-76.61	48.77	380.77	1693089.19	14370056.80	39°34'17.2343"N	80°48'47.1104"W	383.88	82.702	1.23	-0.84	-2.48	
2263.00	21.790	76.600	2197.42	-79.89	56.78	414.45	1693122.86	14370064.80	39°34'17.3128"N	80°48'46.6801"W	418.32	82.200	0.88	0.88	-0.04	
2357.00	22.410	75.360	2284.51	-82.84	65.35	448.76	1693157.15	14370073.37	39°34'17.3968"N	80°48'46.2418"W	453.49	81.715	0.83	0.66	-1.32	
2452.00	23.240	74.710	2372.07	-85.30	74.87	484.36	1693192.74	14370082.89	39°34'17.4902"N	80°48'45.7869"W	490.11	81.213	0.91	0.87	-0.68	
2546.00	21.500	75.040	2459.00	-87.60	84.21	518.89	1693227.26	14370092.22	39°34'17.5817"N	80°48'45.3457"W	525.68	80.782	1.86	-1.85	0.35	



Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cargo Unit 1H
Field	Wetzel		API	47-103-03629-0000
Facility	Fluharty Pad		Wellbore	Cargo Unit 1H AWB
Slot	Slot F			

WELLPATH DATA (265 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	
2641.00	20.530	72.760	2547.68	-89.22	93.64	551.62	1693259.97	14370101.65	39°34'17.6743"N	80°48'44.9275"W	559.51	80.366	1.34	-1.02	-2.40		
2735.00	19.850	75.480	2635.90	-90.87	102.52	582.82	1693291.15	14370110.53	39°34'17.7615"N	80°48'44.5289"W	591.77	80.023	1.23	-0.72	2.89		
2830.00	18.150	78.240	2725.73	-93.89	109.58	612.92	1693321.24	14370117.59	39°34'17.8306"N	80°48'44.1443"W	622.64	79.863	2.02	-1.79	2.91		
2924.00	17.070	75.920	2815.32	-96.83	115.92	640.64	1693348.95	14370123.93	39°34'17.8927"N	80°48'43.7902"W	651.04	79.743	1.37	-1.15	-2.47		
3019.00	16.880	77.190	2906.18	-99.42	122.37	667.61	1693375.91	14370130.38	39°34'17.9559"N	80°48'43.4456"W	678.73	79.613	0.44	-0.20	1.34		
3114.00	16.200	74.820	2997.25	-101.70	128.90	693.85	1693402.14	14370136.90	39°34'18.0199"N	80°48'43.1103"W	705.72	79.476	1.01	-0.72	-2.49		
3133.00	15.910	74.320	3015.51	-102.01	130.30	698.91	1693407.21	14370138.30	39°34'18.0336"N	80°48'43.0456"W	710.96	79.439	1.69	-1.53	-2.63		
3201.00	15.020	71.110	3081.05	-102.51	135.67	716.23	1693424.51	14370143.67	39°34'18.0863"N	80°48'42.8244"W	728.96	79.274	1.82	-1.31	-4.72	APS EM <8-3/4"> (3133')(3201'-6701')	
3295.00	15.400	70.200	3171.76	-102.27	143.84	739.49	1693447.77	14370151.84	39°34'18.1666"N	80°48'42.5271"W	753.35	78.992	0.48	0.40	-0.97		
3389.00	16.810	73.240	3262.07	-102.54	151.99	764.25	1693472.52	14370159.98	39°34'18.2466"N	80°48'42.2107"W	779.22	78.752	1.75	1.50	3.23		
3484.00	18.630	75.020	3352.56	-104.05	159.88	792.07	1693500.32	14370167.86	39°34'18.3240"N	80°48'41.8553"W	808.04	78.588	2.00	1.92	1.87		
3578.00	20.130	77.520	3441.23	-106.84	167.25	822.37	1693530.61	14370175.24	39°34'18.3963"N	80°48'41.4682"W	839.20	78.504	1.82	1.60	2.66		
3673.00	20.890	80.490	3530.21	-111.38	173.58	855.03	1693563.26	14370181.57	39°34'18.4581"N	80°48'41.0508"W	872.48	78.524	1.36	0.80	3.13		
3767.00	20.540	81.820	3618.13	-117.13	178.70	887.88	1693596.10	14370186.68	39°34'18.5080"N	80°48'40.6312"W	905.69	78.620	0.62	-0.37	1.41		
3861.00	23.500	83.050	3705.27	-124.02	183.31	922.82	1693631.02	14370191.29	39°34'18.5529"N	80°48'40.1850"W	940.85	78.765	3.19	3.15	1.31		
3956.00	22.770	79.370	3792.63	-130.53	189.00	959.69	1693667.88	14370196.97	39°34'18.6083"N	80°48'39.7139"W	978.12	78.859	1.70	-0.77	-3.87		
4050.00	21.640	78.930	3879.66	-135.45	195.68	994.58	1693702.75	14370203.65	39°34'18.6736"N	80°48'39.2682"W	1013.65	78.869	1.22	-1.20	-0.47		
4144.00	20.750	81.820	3967.30	-140.86	201.38	1028.07	1693736.23	14370209.35	39°34'18.7293"N	80°48'38.8404"W	1047.81	78.917	1.46	-0.95	3.07		
4239.00	20.700	82.730	4056.15	-147.32	205.90	1061.39	1693769.53	14370213.87	39°34'18.7732"N	80°48'38.4149"W	1081.17	79.022	0.34	-0.05	0.96		
4334.00	21.470	81.220	4144.79	-153.71	210.68	1095.23	1693803.36	14370218.64	39°34'18.8198"N	80°48'37.9826"W	1115.30	79.112	0.99	0.81	-1.59		
4428.00	20.310	77.170	4232.62	-158.40	216.93	1128.14	1693836.26	14370224.89	39°34'18.8808"N	80°48'37.5622"W	1148.80	79.116	1.97	-1.23	-4.31		
4522.00	19.190	76.880	4321.09	-161.64	224.06	1159.09	1693867.20	14370232.02	39°34'18.9506"N	80°48'37.1667"W	1180.55	79.059	1.20	-1.19	-0.31		
4617.00	18.780	80.250	4410.92	-165.59	230.19	1189.37	1693897.46	14370238.15	39°34'19.0106"N	80°48'36.7799"W	1211.44	79.046	1.23	-0.43	3.55		
4711.00	18.330	76.070	4500.04	-169.23	236.31	1218.63	1693926.71	14370244.27	39°34'19.0705"N	80°48'36.4061"W	1241.33	79.026	1.49	-0.48	-4.45		
4805.00	18.310	75.570	4589.27	-171.62	243.55	1247.27	1693955.35	14370251.50	39°34'19.1415"N	80°48'36.0401"W	1270.83	78.951	0.17	-0.02	-0.53		
4900.00	17.090	75.240	4679.78	-173.74	250.82	1275.22	1693983.29	14370258.77	39°34'19.2128"N	80°48'35.6830"W	1299.66	78.873	1.29	-1.28	-0.35		
4994.00	17.670	74.730	4769.48	-175.60	258.10	1302.34	1694010.39	14370266.05	39°34'19.2841"N	80°48'35.3365"W	1327.67	78.790	0.64	0.62	-0.54		
5088.00	19.400	73.830	4858.61	-177.20	266.21	1331.10	1694039.14	14370274.15	39°34'19.3636"N	80°48'34.9690"W	1357.46	78.691	1.87	1.84	-0.96		
5186.00	19.650	77.060	4950.97	-179.63	274.43	1362.79	1694070.82	14370282.37	39°34'19.4442"N	80°48'34.5641"W	1390.15	78.615	1.13	0.26	3.30		
5280.00	18.740	80.090	5039.75	-183.59	280.57	1393.07	1694101.09	14370288.50	39°34'19.5043"N	80°48'34.1772"W	1421.05	78.613	1.44	-0.97	3.22		

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Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cargo Unit 1H
Field	Wetzel		API	47-103-03629-0000
Facility	Fluharty Pad		Wellbore	Cargo Unit 1H AWB
Slot	Slot F			

WELLPATH DATA (265 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
5375.00	19.350	84.050	5129.55	-189.45	284.82	1423.76	1694131.76	14370292.76	39°34'19.5457"N	80°48'33.7852"W	1451.97	78.687	1.50	0.64	4.17	
5469.00	20.430	82.700	5217.94	-196.19	288.52	1455.52	1694163.51	14370296.46	39°34'19.5816"N	80°48'33.3795"W	1483.85	78.788	1.25	1.15	-1.44	
5567.00	20.720	87.540	5309.70	-204.49	291.44	1489.81	1694197.79	14370299.38	39°34'19.6097"N	80°48'32.9416"W	1518.05	78.931	1.76	0.30	4.94	
5661.00	22.350	87.420	5397.13	-214.16	292.96	1524.28	1694232.24	14370300.89	39°34'19.6240"N	80°48'32.5014"W	1552.18	79.121	1.73	1.73	-0.13	
5755.00	23.530	84.510	5483.70	-223.48	295.56	1560.82	1694268.76	14370303.49	39°34'19.6489"N	80°48'32.0348"W	1588.55	79.277	1.74	1.26	-3.10	
5850.00	23.380	81.190	5570.85	-231.12	300.26	1598.32	1694306.25	14370308.19	39°34'19.6946"N	80°48'31.5557"W	1626.28	79.360	1.40	-0.16	-3.49	
5944.00	22.010	81.780	5657.57	-237.60	305.64	1634.19	1694342.11	14370313.56	39°34'19.7470"N	80°48'31.0976"W	1662.52	79.407	1.48	-1.46	0.63	
6039.00	21.600	77.490	5745.78	-242.79	311.97	1668.88	1694376.78	14370319.89	39°34'19.8088"N	80°48'30.6544"W	1697.79	79.412	1.73	-0.43	-4.52	
6134.00	20.390	76.750	5834.47	-246.31	319.55	1702.06	1694409.95	14370327.47	39°34'19.8831"N	80°48'30.2304"W	1731.80	79.367	1.30	-1.27	-0.78	
6228.00	19.360	80.180	5922.88	-250.33	325.96	1733.35	1694441.23	14370333.88	39°34'19.9458"N	80°48'29.8307"W	1763.74	79.350	1.65	-1.10	3.65	
6322.00	19.950	78.160	6011.40	-254.71	331.91	1764.40	1694472.27	14370339.83	39°34'20.0039"N	80°48'29.4340"W	1795.35	79.346	0.96	0.63	-2.15	
6417.00	19.560	67.380	6100.84	-255.63	341.35	1794.95	1694502.81	14370349.27	39°34'20.0966"N	80°48'29.0436"W	1827.12	79.232	3.85	-0.41	-11.35	
6512.00	19.100	56.090	6190.52	-250.52	356.15	1822.54	1694530.39	14370364.06	39°34'20.2422"N	80°48'28.6909"W	1857.01	78.943	3.96	-0.48	-11.88	
6606.00	22.580	35.420	6278.47	-235.94	379.47	1845.80	1694553.64	14370387.37	39°34'20.4723"N	80°48'28.3932"W	1884.41	78.383	8.60	3.70	-21.99	
6701.00	27.270	20.830	6364.68	-208.48	414.73	1864.14	1694571.97	14370422.61	39°34'20.8203"N	80°48'28.1581"W	1909.72	77.457	8.11	4.94	-15.36	
6750.00	29.810	13.970	6407.74	-189.58	437.05	1871.08	1694578.90	14370444.93	39°34'21.0408"N	80°48'28.0689"W	1921.44	76.852	8.46	5.18	-14.00	BH AT Curve <-8-1/2"> (6701')(6750'-24242')
6829.00	34.760	9.570	6474.51	-153.23	478.35	1879.57	1694587.39	14370486.20	39°34'21.4487"N	80°48'27.9594"W	1939.48	75.721	6.93	6.27	-5.57	
6853.00†	36.314	7.883	6494.04	-140.86	492.13	1881.68	1694589.50	14370499.99	39°34'21.5849"N	80°48'27.9320"W	1944.97	75.343	7.66	6.47	-7.03	Sycamore: 6853' MD
6924.00	41.030	3.550	6549.47	-100.50	536.25	1886.01	1694593.83	14370544.09	39°34'22.0209"N	80°48'27.8755"W	1960.76	74.128	7.66	6.64	-6.10	
7009.00†	47.815	357.584	6610.17	-44.39	595.65	1886.41	1694594.23	14370603.47	39°34'22.6080"N	80°48'27.8688"W	1978.22	72.476	9.37	7.98	-7.02	Middlesex: 7009' MD
7018.00	48.550	357.030	6616.17	-37.95	602.35	1886.09	1694593.91	14370610.16	39°34'22.6742"N	80°48'27.8726"W	1979.95	72.288	9.37	8.17	-6.16	
7113.00	56.270	352.970	6674.09	35.10	677.25	1879.40	1694587.22	14370685.03	39°34'23.4145"N	80°48'27.9560"W	1997.70	70.183	8.80	8.13	-4.27	
7163.00†	59.289	351.428	6700.75	76.62	719.15	1873.65	1694581.48	14370726.91	39°34'23.8288"N	80°48'28.0283"W	2006.93	69.002	6.58	6.04	-3.08	Burkett: 7163' MD
7207.00	61.960	350.150	6722.33	114.42	756.99	1867.51	1694575.34	14370764.74	39°34'24.2029"N	80°48'28.1057"W	2015.10	67.935	6.58	6.07	-2.91	
7210.00†	62.187	350.001	6723.73	117.04	759.60	1867.05	1694574.88	14370767.35	39°34'24.2287"N	80°48'28.1115"W	2015.66	67.861	8.73	7.55	-4.99	Tully: 7210' MD
7302.00	69.200	345.710	6761.59	200.25	841.48	1849.35	1694557.18	14370849.19	39°34'25.0383"N	80°48'28.3354"W	2031.79	65.534	8.73	7.62	-4.66	
7316.00†	70.126	344.670	6766.46	213.34	854.17	1845.99	1694553.82	14370861.88	39°34'25.1638"N	80°48'28.3779"W	2034.03	65.169	9.61	6.61	-7.43	Marcellus POE: 7316' MD
7397.00	75.590	338.870	6790.34	290.67	927.60	1821.74	1694529.59	14370935.28	39°34'25.8900"N	80°48'28.6855"W	2044.31	63.016	9.61	6.75	-7.16	
7444.00	75.730	339.060	6801.98	336.18	970.10	1805.40	1694513.25	14370977.77	39°34'26.3104"N	80°48'28.8931"W	2049.53	61.749	0.49	0.30	0.40	
7491.00	80.450	338.680	6811.68	382.11	1012.99	1788.82	1694496.68	14371020.63	39°34'26.7346"N	80°48'29.1036"W	2055.73	60.478	10.07	10.04	-0.81	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

WELLPATH DATA (265 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
7586.00	89.260	339.630	6820.19	476.58	1101.32	1755.19	1694463.06	14371108.94	39°34'27.6084"N	80°48'29.5306"W	2072.11	57.893	9.33	9.27	1.00	
7681.00	89.510	341.050	6821.21	571.56	1190.78	1723.24	1694431.12	14371198.35	39°34'28.4932"N	80°48'29.9363"W	2094.64	55.355	1.52	0.26	1.49	
7775.00	89.450	340.720	6822.06	665.55	1279.59	1692.46	1694400.35	14371287.13	39°34'29.3716"N	80°48'30.3270"W	2121.74	52.909	0.36	-0.06	-0.35	
7870.00	89.780	341.080	6822.70	760.55	1369.36	1661.37	1694369.28	14371376.86	39°34'30.2594"N	80°48'30.7215"W	2152.97	50.503	0.51	0.35	0.38	
7964.00	89.630	340.810	6823.19	854.55	1458.21	1630.68	1694338.60	14371465.68	39°34'31.1382"N	80°48'31.1110"W	2187.58	48.196	0.33	-0.16	-0.29	
8059.00	89.850	340.520	6823.62	949.54	1547.85	1599.23	1694307.16	14371555.28	39°34'32.0248"N	80°48'31.5102"W	2225.62	45.935	0.38	0.23	-0.31	
8153.00	89.510	340.700	6824.14	1043.54	1636.52	1568.02	1694275.97	14371643.91	39°34'32.9017"N	80°48'31.9064"W	2266.47	43.776	0.41	-0.36	0.19	
8248.00	90.220	341.330	6824.37	1138.53	1726.35	1537.12	1694245.07	14371733.71	39°34'33.7902"N	80°48'32.2986"W	2311.49	41.681	1.00	0.75	0.66	
8342.00	90.520	341.290	6823.76	1232.53	1815.39	1507.00	1694214.96	14371822.71	39°34'34.6708"N	80°48'32.6809"W	2359.38	39.697	0.32	0.32	-0.04	
8437.00	90.060	340.540	6823.28	1327.53	1905.16	1475.93	1694183.92	14371912.45	39°34'35.5588"N	80°48'33.0751"W	2409.99	37.765	0.93	-0.48	-0.79	
8531.00	90.920	342.200	6822.47	1421.52	1994.23	1445.91	1694153.90	14372001.49	39°34'36.4397"N	80°48'33.4561"W	2463.25	35.944	1.99	0.91	1.77	
8625.00	89.880	340.200	6821.82	1515.51	2083.21	1415.62	1694123.62	14372090.43	39°34'37.3197"N	80°48'33.8406"W	2518.68	34.198	2.40	-1.11	-2.13	
8719.00	90.890	341.640	6821.19	1609.51	2172.04	1384.89	1694092.91	14372179.22	39°34'38.1983"N	80°48'34.2306"W	2575.98	32.522	1.87	1.07	1.53	
8814.00	89.600	340.650	6820.78	1704.50	2261.94	1354.19	1694062.22	14372269.09	39°34'39.0874"N	80°48'34.6202"W	2636.32	30.908	1.71	-1.36	-1.04	
8908.00	90.030	340.170	6821.08	1798.49	2350.50	1322.67	1694030.72	14372357.61	39°34'39.9633"N	80°48'35.0203"W	2697.09	29.367	0.69	0.46	-0.51	
9003.00	90.490	341.490	6820.65	1893.49	2440.22	1291.48	1693999.54	14372447.30	39°34'40.8507"N	80°48'35.4163"W	2760.91	27.890	1.47	0.48	1.39	
9097.00	90.090	341.510	6820.18	1987.48	2529.37	1261.65	1693969.72	14372536.41	39°34'41.7324"N	80°48'35.7948"W	2826.56	26.510	0.43	-0.43	0.02	
9192.00	89.940	340.770	6820.15	2082.48	2619.26	1230.94	1693939.02	14372626.27	39°34'42.6215"N	80°48'36.1845"W	2894.09	25.172	0.79	-0.16	-0.78	
9286.00	89.880	340.980	6820.30	2176.48	2708.08	1200.15	1693908.24	14372715.05	39°34'43.4999"N	80°48'36.5754"W	2962.10	23.902	0.23	-0.06	0.22	
9381.00	90.400	340.790	6820.07	2271.48	2797.84	1169.04	1693877.14	14372804.77	39°34'44.3877"N	80°48'36.9703"W	3032.25	22.677	0.58	0.55	-0.20	
9476.00	89.290	341.380	6820.32	2366.48	2887.71	1138.24	1693846.36	14372894.60	39°34'45.2765"N	80°48'37.3612"W	3103.94	21.513	1.32	-1.17	0.62	
9570.00	90.090	339.830	6820.83	2460.47	2976.37	1107.03	1693815.16	14372983.23	39°34'46.1534"N	80°48'37.7574"W	3175.57	20.402	1.86	0.85	-1.65	
9665.00	90.150	340.400	6820.63	2555.45	3065.70	1074.72	1693782.86	14373072.53	39°34'47.0370"N	80°48'38.1677"W	3248.62	19.319	0.60	0.06	0.60	
9759.00	90.370	341.070	6820.21	2649.44	3154.44	1043.70	1693751.86	14373161.23	39°34'47.9146"N	80°48'38.5614"W	3322.62	18.308	0.75	0.23	0.71	
9853.00	90.310	340.950	6819.65	2743.44	3243.32	1013.12	1693721.28	14373250.08	39°34'48.7937"N	80°48'38.9497"W	3397.87	17.347	0.14	-0.06	-0.13	
9948.00	89.450	341.970	6819.85	2838.44	3333.39	982.91	1693691.09	14373340.11	39°34'49.6845"N	80°48'39.3330"W	3475.28	16.429	1.40	-0.91	1.07	
10042.00	90.220	341.920	6820.12	2932.43	3422.76	953.78	1693661.97	14373429.44	39°34'50.5683"N	80°48'39.7027"W	3553.16	15.571	0.82	0.82	-0.05	
10136.00	89.290	340.430	6820.52	3026.43	3511.72	923.45	1693631.65	14373518.37	39°34'51.4483"N	80°48'40.0877"W	3631.11	14.733	1.87	-0.99	-1.59	
10231.00	90.180	341.880	6820.96	3121.42	3601.62	892.75	1693600.96	14373608.24	39°34'52.3374"N	80°48'40.4774"W	3710.62	13.922	1.77	0.94	1.51	
10325.00	89.290	341.140	6821.40	3215.42	3690.76	862.92	1693571.15	14373697.34	39°34'53.2190"N	80°48'40.8559"W	3790.30	13.160	1.22	-0.95	-0.77	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

WELLPATH DATA (265 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
10420.00	90.250	340.820	6821.78	3310.41	3780.57	831.96	1693540.20	14373787.12	39°34'54.1072"N	80°48'41.2489"W	3871.03	12.411	1.07	1.01	-0.34	
10514.00	89.600	341.550	6821.90	3404.41	3869.55	801.65	1693509.90	14373876.06	39°34'54.9872"N	80°48'41.6337"W	3951.71	11.704	1.04	-0.69	0.78	
10609.00	89.660	340.860	6822.51	3499.41	3959.48	771.04	1693479.30	14373965.95	39°34'55.8767"N	80°48'42.0222"W	4033.86	11.019	0.73	0.06	-0.73	
10703.00	89.380	340.600	6823.30	3593.40	4048.21	740.02	1693448.29	14374054.65	39°34'56.7543"N	80°48'42.4160"W	4115.29	10.359	0.41	-0.30	-0.28	
10797.00	89.970	341.080	6823.83	3687.40	4137.00	709.17	1693417.45	14374143.40	39°34'57.6324"N	80°48'42.8077"W	4197.35	9.727	0.81	0.63	0.51	
10892.00	89.720	341.900	6824.09	3782.40	4227.09	679.01	1693387.31	14374233.45	39°34'58.5234"N	80°48'43.1904"W	4281.28	9.126	0.90	-0.26	0.86	
10987.00	89.660	340.670	6824.60	3877.39	4317.06	648.53	1693356.84	14374323.39	39°34'59.4132"N	80°48'43.5773"W	4365.50	8.543	1.30	-0.06	-1.29	
11081.00	89.970	341.380	6824.91	3971.39	4405.95	617.96	1693326.29	14374412.24	39°35'0.2924"N	80°48'43.9653"W	4449.08	7.984	0.82	0.33	0.76	
11176.00	89.750	341.340	6825.14	4066.39	4495.97	587.60	1693295.94	14374502.23	39°35'1.1827"N	80°48'44.3507"W	4534.20	7.446	0.24	-0.23	-0.04	
11270.00	89.540	341.100	6825.72	4160.39	4584.96	557.34	1693265.69	14374591.18	39°35'2.0628"N	80°48'44.7349"W	4618.71	6.931	0.34	-0.22	-0.26	
11364.00	89.380	341.190	6826.61	4254.39	4673.91	526.96	1693235.32	14374680.10	39°35'2.9426"N	80°48'45.1205"W	4703.53	6.433	0.20	-0.17	0.10	
11553.00	89.690	340.910	6828.14	4443.38	4852.66	465.59	1693173.97	14374858.78	39°35'4.7105"N	80°48'45.8996"W	4874.95	5.480	0.22	0.16	-0.15	
11647.00	89.380	340.720	6828.91	4537.37	4941.44	434.70	1693143.09	14374947.52	39°35'5.5885"N	80°48'46.2918"W	4960.52	5.027	0.39	-0.33	-0.20	
11741.00	89.750	341.630	6829.62	4631.37	5030.41	404.37	1693112.78	14375036.45	39°35'6.4684"N	80°48'46.6768"W	5046.64	4.596	1.05	0.39	0.97	
11836.00	89.570	341.050	6830.18	4726.37	5120.41	373.97	1693082.39	14375126.42	39°35'7.3586"N	80°48'47.0626"W	5134.05	4.177	0.64	-0.19	-0.61	
11931.00	89.630	341.530	6830.85	4821.36	5210.39	343.50	1693051.93	14375216.36	39°35'8.2485"N	80°48'47.4494"W	5221.70	3.772	0.51	0.06	0.51	
12025.00	89.480	341.530	6831.58	4915.36	5299.55	313.72	1693022.17	14375305.48	39°35'9.1302"N	80°48'47.8274"W	5308.82	3.388	0.16	-0.16	0.00	
12120.00	89.290	341.080	6832.60	5010.35	5389.53	283.27	1692991.73	14375395.43	39°35'10.0202"N	80°48'48.2139"W	5396.97	3.009	0.51	-0.20	-0.47	
12214.00	89.200	340.980	6833.83	5104.35	5478.41	252.72	1692961.19	14375484.28	39°35'10.8993"N	80°48'48.6018"W	5484.24	2.641	0.14	-0.10	-0.11	
12309.00	89.880	341.780	6834.60	5199.34	5568.44	222.39	1692930.87	14375574.27	39°35'11.7896"N	80°48'48.9869"W	5572.88	2.287	1.11	0.72	0.84	
12404.00	89.480	341.510	6835.13	5294.34	5658.60	192.47	1692900.96	14375664.40	39°35'12.6813"N	80°48'49.3666"W	5661.88	1.948	0.51	-0.42	-0.28	
12498.00	89.660	341.240	6835.83	5388.33	5747.68	162.45	1692870.96	14375753.44	39°35'13.5623"N	80°48'49.7476"W	5749.97	1.619	0.35	0.19	-0.29	
12593.00	89.450	341.160	6836.57	5483.33	5837.61	131.84	1692840.35	14375843.33	39°35'14.4517"N	80°48'50.1363"W	5839.10	1.294	0.24	-0.22	-0.08	
12687.00	89.600	340.690	6837.35	5577.32	5926.44	101.12	1692809.65	14375932.13	39°35'15.3303"N	80°48'50.5263"W	5927.30	0.977	0.52	0.16	-0.50	
12782.00	89.780	341.590	6837.86	5672.32	6016.34	70.41	1692778.95	14376021.99	39°35'16.2194"N	80°48'50.9162"W	6016.75	0.671	0.97	0.19	0.95	
12876.00	90.280	342.740	6837.82	5766.31	6105.82	41.62	1692750.17	14376111.43	39°35'17.1044"N	80°48'51.2815"W	6105.96	0.391	1.33	0.53	1.22	
12970.00	89.690	341.700	6837.84	5860.29	6195.33	12.92	1692721.48	14376200.91	39°35'17.9896"N	80°48'51.6458"W	6195.34	0.119	1.27	-0.63	-1.11	
13065.00	89.600	341.370	6838.43	5955.29	6285.44	-17.17	1692691.41	14376290.98	39°35'18.8807"N	80°48'52.0277"W	6285.46	359.843	0.36	-0.09	-0.35	
13160.00	89.540	341.240	6839.14	6050.28	6375.42	-47.62	1692660.97	14376380.93	39°35'19.7707"N	80°48'52.4143"W	6375.60	359.572	0.15	-0.06	-0.14	
13254.00	89.420	341.800	6839.99	6144.28	6464.57	-77.42	1692631.19	14376470.04	39°35'20.6524"N	80°48'52.7925"W	6465.03	359.314	0.61	-0.13	0.60	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

WELLPATH DATA (265 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
13349.00	89.510	340.730	6840.88	6239.27	6554.53	-107.93	1692600.69	14376559.97	39°35'21.5421"N	80°48'53.1799"W	6555.42	359.057	1.13	0.09	-1.13	
13443.00	89.600	341.310	6841.61	6333.27	6643.42	-138.50	1692570.13	14376648.82	39°35'22.4212"N	80°48'53.5680"W	6644.86	358.806	0.62	0.10	0.62	
13537.00	89.690	341.500	6842.19	6427.27	6732.51	-168.47	1692540.17	14376737.87	39°35'23.3023"N	80°48'53.9485"W	6734.62	358.567	0.22	0.10	0.20	
13631.00	89.380	341.160	6842.96	6521.26	6821.56	-198.56	1692510.09	14376826.89	39°35'24.1830"N	80°48'54.3305"W	6824.45	358.333	0.49	-0.33	-0.36	
13725.00	89.690	341.110	6843.72	6615.26	6910.51	-228.95	1692479.71	14376915.80	39°35'25.0627"N	80°48'54.7164"W	6914.30	358.102	0.33	0.33	-0.05	
13820.00	89.570	341.580	6844.33	6710.26	7000.51	-259.34	1692449.33	14377005.77	39°35'25.9529"N	80°48'55.1022"W	7005.32	357.878	0.51	-0.13	0.49	
14008.00	89.780	340.970	6845.40	6898.25	7178.56	-319.69	1692389.00	14377183.75	39°35'27.7138"N	80°48'55.8684"W	7185.67	357.450	0.34	0.11	-0.32	
14102.00	89.720	341.850	6845.81	6992.25	7267.65	-349.66	1692359.05	14377272.80	39°35'28.5949"N	80°48'56.2489"W	7276.06	357.246	0.94	-0.06	0.94	
14197.00	89.600	341.350	6846.37	7087.25	7357.79	-379.65	1692329.08	14377362.91	39°35'29.4864"N	80°48'56.6295"W	7367.58	357.046	0.54	-0.13	-0.53	
14291.00	89.630	341.200	6847.01	7181.24	7446.82	-409.82	1692298.91	14377451.90	39°35'30.3668"N	80°48'57.0126"W	7458.08	356.850	0.16	0.03	-0.16	
14386.00	89.600	341.220	6847.64	7276.24	7536.75	-440.42	1692268.33	14377541.79	39°35'31.2563"N	80°48'57.4011"W	7549.61	356.656	0.04	-0.03	0.02	
14481.00	89.600	341.490	6848.31	7371.24	7626.76	-470.79	1692237.97	14377631.77	39°35'32.1465"N	80°48'57.7867"W	7641.28	356.468	0.28	0.00	0.28	
14575.00	89.630	341.410	6848.94	7465.23	7715.88	-500.69	1692208.07	14377720.85	39°35'33.0279"N	80°48'58.1664"W	7732.11	356.287	0.09	0.03	-0.09	
14669.00	89.570	341.830	6849.59	7559.23	7805.08	-530.33	1692178.45	14377810.02	39°35'33.9101"N	80°48'58.5427"W	7823.08	356.113	0.45	-0.06	0.45	
14764.00	89.780	341.660	6850.13	7654.22	7895.30	-560.09	1692148.70	14377900.20	39°35'34.8023"N	80°48'58.9204"W	7915.14	355.942	0.28	0.22	-0.18	
14858.00	89.660	341.960	6850.59	7748.22	7984.60	-589.44	1692119.37	14377989.46	39°35'35.6855"N	80°48'59.2929"W	8006.33	355.778	0.34	-0.13	0.32	
14953.00	89.570	341.880	6851.23	7843.21	8074.91	-618.92	1692089.90	14378079.73	39°35'36.5786"N	80°48'59.6672"W	8098.59	355.617	0.13	-0.09	-0.08	
15047.00	90.220	341.500	6851.40	7937.20	8164.15	-648.45	1692060.38	14378168.94	39°35'37.4612"N	80°49'0.0421"W	8189.86	355.459	0.80	0.69	-0.40	
15142.00	89.880	341.460	6851.32	8032.20	8254.23	-678.62	1692030.22	14378258.98	39°35'38.3520"N	80°49'0.4252"W	8282.08	355.300	0.36	-0.36	-0.04	
15236.00	89.690	341.820	6851.67	8126.20	8343.44	-708.23	1692000.62	14378348.16	39°35'39.2344"N	80°49'0.8011"W	8373.44	355.148	0.43	-0.20	0.38	
15330.00	89.850	341.240	6852.05	8220.19	8432.60	-738.01	1691970.85	14378437.28	39°35'40.1161"N	80°49'1.1792"W	8464.83	354.998	0.64	0.17	-0.62	
15425.00	89.970	341.630	6852.20	8315.19	8522.65	-768.26	1691940.62	14378527.30	39°35'41.0068"N	80°49'1.5632"W	8557.21	354.849	0.43	0.13	0.41	
15519.00	89.880	341.890	6852.32	8409.19	8611.93	-797.68	1691911.21	14378616.54	39°35'41.8897"N	80°49'1.9367"W	8648.79	354.708	0.29	-0.10	0.28	
15614.00	89.910	342.030	6852.50	8504.18	8702.26	-827.10	1691881.80	14378706.84	39°35'42.7830"N	80°49'2.3102"W	8741.48	354.571	0.15	0.03	0.15	
15708.00	90.150	341.350	6852.45	8598.18	8791.50	-856.63	1691852.28	14378796.04	39°35'43.6656"N	80°49'2.6851"W	8833.14	354.435	0.77	0.26	-0.72	
15802.00	90.220	342.400	6852.14	8692.17	8880.83	-885.87	1691823.05	14378885.34	39°35'44.5491"N	80°49'3.0563"W	8924.91	354.304	1.12	0.07	1.12	
15897.00	89.690	341.610	6852.22	8787.16	8971.19	-915.22	1691793.72	14378975.66	39°35'45.4426"N	80°49'3.4289"W	9017.75	354.175	1.00	-0.56	-0.83	
15991.00	90.220	341.640	6852.29	8881.15	9060.39	-944.85	1691764.10	14379064.83	39°35'46.3249"N	80°49'3.8051"W	9109.53	354.046	0.56	0.56	0.03	
16086.00	90.430	341.140	6851.75	8976.15	9150.42	-975.17	1691733.79	14379154.82	39°35'47.2153"N	80°49'4.1900"W	9202.24	353.917	0.57	0.22	-0.53	
16180.00	90.250	341.890	6851.20	9070.15	9239.57	-1004.97	1691704.00	14379243.94	39°35'48.0969"N	80°49'4.5684"W	9294.06	353.792	0.82	-0.19	0.80	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

WELLPATH DATA (265 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
16275.00	89.940	341.920	6851.04	9165.14	9329.87	-1034.48	1691674.51	14379334.20	39°35'48.9900"N	80°49'4.9430"W	9387.05	353.673	0.33	-0.33	0.03	
16369.00	90.000	341.320	6851.09	9259.14	9419.08	-1064.12	1691644.88	14379423.37	39°35'49.8722"N	80°49'5.3193"W	9479.00	353.554	0.64	0.06	-0.64	
16464.00	89.820	341.980	6851.24	9354.13	9509.25	-1094.02	1691614.98	14379513.50	39°35'50.7640"N	80°49'5.6991"W	9571.97	353.437	0.72	-0.19	0.69	
16558.00	90.150	342.480	6851.26	9448.12	9598.76	-1122.71	1691586.31	14379602.98	39°35'51.6492"N	80°49'6.0632"W	9664.20	353.329	0.64	0.35	0.53	
16653.00	89.940	341.630	6851.19	9543.10	9689.14	-1151.98	1691557.05	14379693.32	39°35'52.5430"N	80°49'6.4348"W	9757.38	353.220	0.92	-0.22	-0.89	
16747.00	90.030	341.910	6851.21	9637.10	9778.42	-1181.39	1691527.65	14379782.57	39°35'53.4260"N	80°49'6.8082"W	9849.53	353.111	0.31	0.10	0.30	
16842.00	89.820	341.020	6851.34	9732.10	9868.49	-1211.59	1691497.47	14379872.60	39°35'54.3168"N	80°49'7.1916"W	9942.59	353.001	0.96	-0.22	-0.94	
16936.00	90.180	341.300	6851.34	9826.10	9957.45	-1241.94	1691467.12	14379961.53	39°35'55.1966"N	80°49'7.5771"W	10034.61	352.891	0.49	0.38	0.30	
17030.00	90.340	341.660	6850.91	9920.10	10046.59	-1271.80	1691437.28	14380050.63	39°35'56.0781"N	80°49'7.9562"W	10126.76	352.785	0.42	0.17	0.38	
17125.00	90.490	341.580	6850.22	10015.09	10136.74	-1301.75	1691407.34	14380140.74	39°35'56.9697"N	80°49'8.3366"W	10219.98	352.682	0.18	0.16	-0.08	
17219.00	90.180	341.390	6849.67	10109.09	10225.87	-1331.60	1691377.50	14380229.84	39°35'57.8512"N	80°49'8.7156"W	10312.21	352.581	0.39	-0.33	-0.20	
17313.00	90.000	341.510	6849.52	10203.09	10314.99	-1361.51	1691347.61	14380318.92	39°35'58.7326"N	80°49'9.0954"W	10404.45	352.481	0.23	-0.19	0.13	
17407.00	90.220	341.310	6849.34	10297.08	10404.08	-1391.47	1691317.65	14380407.98	39°35'59.6137"N	80°49'9.4759"W	10496.72	352.382	0.32	0.23	-0.21	
17502.00	90.060	341.500	6849.11	10392.08	10494.12	-1421.77	1691287.37	14380497.99	39°36'0.5042"N	80°49'9.8606"W	10590.00	352.284	0.26	-0.17	0.20	
17596.00	90.310	341.220	6848.81	10486.08	10583.19	-1451.81	1691257.34	14380587.02	39°36'1.3851"N	80°49'10.2421"W	10682.31	352.189	0.40	0.27	-0.30	
17691.00	90.120	340.370	6848.45	10581.08	10672.90	-1483.06	1691226.10	14380676.69	39°36'2.2723"N	80°49'10.6390"W	10775.45	352.089	0.92	-0.20	-0.89	
17785.00	90.180	340.300	6848.21	10675.07	10761.42	-1514.69	1691194.48	14380765.18	39°36'3.1478"N	80°49'11.0409"W	10867.49	351.988	0.10	0.06	-0.07	
17880.00	90.180	340.600	6847.91	10770.06	10850.94	-1546.48	1691162.70	14380854.66	39°36'4.0332"N	80°49'11.4447"W	10960.59	351.889	0.32	0.00	0.32	
17974.00	90.000	340.360	6847.76	10864.05	10939.54	-1577.89	1691131.31	14380943.23	39°36'4.9094"N	80°49'11.8437"W	11052.75	351.792	0.32	-0.19	-0.26	
18069.00	90.310	340.380	6847.50	10959.04	11029.02	-1609.81	1691099.41	14381032.67	39°36'5.7944"N	80°49'12.2491"W	11145.88	351.696	0.33	0.33	0.02	
18163.00	90.030	340.150	6847.22	11053.03	11117.50	-1641.55	1691067.68	14381121.11	39°36'6.6695"N	80°49'12.6524"W	11238.03	351.601	0.39	-0.30	-0.24	
18258.00	90.430	340.740	6846.84	11148.02	11207.01	-1673.34	1691035.89	14381210.59	39°36'7.5548"N	80°49'13.0563"W	11331.25	351.508	0.75	0.42	0.62	
18352.00	90.180	340.660	6846.34	11242.01	11295.73	-1704.41	1691004.84	14381299.28	39°36'8.4322"N	80°49'13.4509"W	11423.60	351.419	0.28	-0.27	-0.09	
18447.00	90.650	340.290	6845.65	11337.00	11385.26	-1736.16	1690973.10	14381388.77	39°36'9.3177"N	80°49'13.8543"W	11516.88	351.330	0.63	0.49	-0.39	
18541.00	90.520	340.510	6844.69	11430.99	11473.81	-1767.69	1690941.58	14381477.29	39°36'10.1935"N	80°49'14.2548"W	11609.18	351.242	0.27	-0.14	0.23	
18636.00	90.150	340.700	6844.14	11525.98	11563.42	-1799.24	1690910.05	14381566.86	39°36'11.0797"N	80°49'14.6556"W	11702.56	351.156	0.44	-0.39	0.20	
18730.00	90.220	339.890	6843.83	11619.97	11651.92	-1830.93	1690878.37	14381655.32	39°36'11.9550"N	80°49'15.0582"W	11794.89	351.070	0.86	0.07	-0.86	
18825.00	90.770	341.080	6843.01	11714.96	11741.45	-1862.67	1690846.65	14381744.82	39°36'12.8405"N	80°49'15.4614"W	11888.28	350.986	1.38	0.58	1.25	
18919.00	90.430	340.380	6842.03	11808.95	11830.18	-1893.69	1690815.64	14381833.51	39°36'13.7180"N	80°49'15.8554"W	11980.79	350.906	0.83	-0.36	-0.74	
19013.00	90.180	339.120	6841.53	11902.92	11918.37	-1926.22	1690783.12	14381921.66	39°36'14.5902"N	80°49'16.2688"W	12073.02	350.819	1.37	-0.27	-1.34	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cargo Unit 1H
Field	Wetzel		API	47-103-03629-0000
Facility	Fluharty Pad		Wellbore	Cargo Unit 1H AWB
Slot	Slot F			

WELLPATH DATA (265 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
19108.00	90.550	341.140	6840.92	11997.89	12007.70	-1958.51	1690750.84	14382010.97	39°36'15.4738"N	80°49'16.6790"W	12166.38	350.736	2.16	0.39	2.13	
19203.00	89.540	340.620	6840.85	12092.89	12097.46	-1989.62	1690719.74	14382100.69	39°36'16.3615"N	80°49'17.0743"W	12259.98	350.660	1.20	-1.06	-0.55	
19391.00	90.180	340.850	6841.31	12280.88	12274.93	-2051.65	1690657.74	14382278.09	39°36'18.1167"N	80°49'17.8623"W	12445.21	350.511	0.36	0.34	0.12	
19486.00	90.030	340.670	6841.13	12375.88	12364.63	-2082.96	1690626.44	14382367.75	39°36'19.0038"N	80°49'18.2599"W	12538.85	350.438	0.25	-0.16	-0.19	
19580.00	89.910	340.930	6841.18	12469.88	12453.40	-2113.87	1690595.54	14382456.48	39°36'19.8817"N	80°49'18.6526"W	12631.53	350.366	0.30	-0.13	0.28	
19674.00	90.000	340.730	6841.26	12563.88	12542.19	-2144.74	1690564.69	14382545.23	39°36'20.7598"N	80°49'19.0447"W	12724.24	350.296	0.23	0.10	-0.21	
19769.00	89.940	340.400	6841.31	12658.87	12631.77	-2176.35	1690533.09	14382634.78	39°36'21.6458"N	80°49'19.4463"W	12817.88	350.224	0.35	-0.06	-0.35	
19863.00	89.970	339.740	6841.38	12752.85	12720.14	-2208.39	1690501.06	14382723.12	39°36'22.5198"N	80°49'19.8535"W	12910.42	350.151	0.70	0.03	-0.70	
19958.00	89.910	340.410	6841.48	12847.83	12809.46	-2240.76	1690468.70	14382812.40	39°36'23.4032"N	80°49'20.2648"W	13003.97	350.078	0.71	-0.06	0.71	
20052.00	89.880	340.700	6841.65	12941.83	12898.09	-2272.06	1690437.42	14382901.00	39°36'24.2798"N	80°49'20.6624"W	13096.68	350.010	0.31	-0.03	0.31	
20147.00	89.910	340.460	6841.83	13036.82	12987.69	-2303.64	1690405.85	14382990.56	39°36'25.1659"N	80°49'21.0637"W	13190.41	349.942	0.25	0.03	-0.25	
20241.00	90.430	340.590	6841.55	13130.81	13076.31	-2334.98	1690374.52	14383079.14	39°36'26.0424"N	80°49'21.4619"W	13283.15	349.876	0.57	0.55	0.14	
20336.00	90.310	341.100	6840.93	13225.81	13166.05	-2366.15	1690343.36	14383168.85	39°36'26.9299"N	80°49'21.8579"W	13376.98	349.812	0.55	-0.13	0.54	
20430.00	90.310	340.580	6840.43	13319.81	13254.84	-2397.00	1690312.52	14383257.60	39°36'27.8080"N	80°49'22.2498"W	13469.83	349.749	0.55	0.00	-0.55	
20525.00	90.250	341.540	6839.96	13414.80	13344.69	-2427.84	1690281.70	14383347.42	39°36'28.6966"N	80°49'22.6415"W	13563.75	349.689	1.01	-0.06	1.01	
20619.00	90.280	340.550	6839.53	13508.80	13433.59	-2458.37	1690251.18	14383436.29	39°36'29.5759"N	80°49'23.0293"W	13656.69	349.630	1.05	0.03	-1.05	
20713.00	90.280	340.710	6839.07	13602.80	13522.27	-2489.55	1690220.01	14383524.93	39°36'30.4529"N	80°49'23.4254"W	13749.53	349.568	0.17	0.00	0.17	
20808.00	90.430	340.840	6838.48	13697.79	13611.97	-2520.83	1690188.75	14383614.59	39°36'31.3400"N	80°49'23.8229"W	13843.42	349.508	0.21	0.16	0.14	
20902.00	90.340	340.670	6837.85	13791.79	13700.72	-2551.81	1690157.78	14383703.30	39°36'32.2177"N	80°49'24.2165"W	13936.33	349.449	0.20	-0.10	-0.18	
20996.00	90.400	340.670	6837.24	13885.78	13789.42	-2582.93	1690126.67	14383791.97	39°36'33.0949"N	80°49'24.6118"W	14029.24	349.391	0.06	0.06	0.00	
21090.00	90.280	340.310	6836.68	13979.77	13878.02	-2614.32	1690095.29	14383880.53	39°36'33.9712"N	80°49'25.0107"W	14122.11	349.332	0.40	-0.13	-0.38	
21184.00	90.180	340.510	6836.31	14073.76	13966.58	-2645.83	1690063.79	14383969.06	39°36'34.8470"N	80°49'25.4111"W	14214.98	349.273	0.24	-0.11	0.21	
21279.00	90.520	340.940	6835.72	14168.76	14056.25	-2677.19	1690032.44	14384058.69	39°36'35.7339"N	80°49'25.8095"W	14308.93	349.216	0.58	0.36	0.45	
21373.00	90.550	340.220	6834.85	14262.75	14144.90	-2708.45	1690001.20	14384147.30	39°36'36.6106"N	80°49'26.2066"W	14401.87	349.160	0.77	0.03	-0.77	
21467.00	90.400	340.840	6834.07	14356.74	14233.52	-2739.78	1689969.89	14384235.89	39°36'37.4871"N	80°49'26.6047"W	14494.81	349.105	0.68	-0.16	0.66	
21561.00	91.380	341.450	6832.61	14450.72	14322.46	-2770.15	1689939.52	14384324.80	39°36'38.3667"N	80°49'26.9906"W	14587.89	349.053	1.23	1.04	0.65	
21751.00	91.050	340.500	6828.58	14640.68	14502.04	-2832.07	1689877.63	14384504.31	39°36'40.1427"N	80°49'27.7773"W	14775.99	348.950	0.53	-0.17	-0.50	
21845.00	91.110	340.610	6826.81	14734.66	14590.66	-2863.36	1689846.35	14384592.89	39°36'41.0192"N	80°49'28.1748"W	14868.97	348.897	0.13	0.06	0.12	
21940.00	91.080	340.800	6824.99	14829.63	14680.31	-2894.75	1689814.98	14384682.50	39°36'41.9058"N	80°49'28.5736"W	14962.99	348.845	0.20	-0.03	0.20	
22034.00	90.920	341.380	6823.35	14923.62	14769.22	-2925.20	1689784.53	14384771.38	39°36'42.7851"N	80°49'28.9606"W	15056.12	348.797	0.64	-0.17	0.62	

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cargo Unit 1H
Field	Wetzel		API	47-103-03629-0000
Facility	Fluharty Pad		Wellbore	Cargo Unit 1H AWB
Slot	Slot F			

WELLPATH DATA (265 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
22128.00	90.460	340.720	6822.22	15017.61	14858.12	-2955.73	1689754.02	14384860.24	39°36'43.6643"N	80°49'29.3484"W	15149.26	348.749	0.86	-0.49	-0.70	
22223.00	90.520	340.400	6821.41	15112.60	14947.70	-2987.34	1689722.42	14384949.79	39°36'44.5503"N	80°49'29.7501"W	15243.29	348.698	0.34	0.06	-0.34	
22317.00	90.860	340.660	6820.27	15206.59	15036.32	-3018.67	1689691.10	14385038.37	39°36'45.4267"N	80°49'30.1482"W	15336.34	348.648	0.46	0.36	0.28	
22411.00	90.710	340.960	6818.99	15300.58	15125.09	-3049.57	1689660.22	14385127.11	39°36'46.3046"N	80°49'30.5408"W	15429.46	348.601	0.36	-0.16	0.32	
22506.00	90.580	340.490	6817.92	15395.57	15214.76	-3080.93	1689628.87	14385216.74	39°36'47.1914"N	80°49'30.9392"W	15523.56	348.553	0.51	-0.14	-0.49	
22600.00	90.860	340.330	6816.74	15489.55	15303.31	-3112.44	1689597.37	14385305.25	39°36'48.0672"N	80°49'31.3397"W	15616.61	348.504	0.34	0.30	-0.17	
22695.00	91.170	340.430	6815.05	15584.53	15392.78	-3144.33	1689565.49	14385394.69	39°36'48.9520"N	80°49'31.7450"W	15710.65	348.455	0.34	0.33	0.11	
22789.00	91.420	340.740	6812.93	15678.50	15481.41	-3175.57	1689534.26	14385483.29	39°36'49.8286"N	80°49'32.1419"W	15803.74	348.408	0.42	0.27	0.33	
22883.00	91.320	340.790	6810.68	15772.47	15570.14	-3206.53	1689503.32	14385571.98	39°36'50.7061"N	80°49'32.5353"W	15896.89	348.363	0.12	-0.11	0.05	
22977.00	91.110	340.190	6808.69	15866.44	15658.72	-3237.92	1689471.94	14385660.52	39°36'51.5822"N	80°49'32.9342"W	15989.99	348.317	0.68	-0.22	-0.64	
23072.00	91.170	340.520	6806.80	15961.41	15748.17	-3269.85	1689440.02	14385749.94	39°36'52.4669"N	80°49'33.3400"W	16084.06	348.270	0.35	0.06	0.35	
23166.00	90.950	340.490	6805.06	16055.39	15836.77	-3301.21	1689408.67	14385838.50	39°36'53.3431"N	80°49'33.7385"W	16177.18	348.225	0.24	-0.23	-0.03	
23261.00	91.020	340.180	6803.43	16150.36	15926.21	-3333.18	1689376.72	14385927.91	39°36'54.2277"N	80°49'34.1448"W	16271.28	348.179	0.33	0.07	-0.33	
23355.00	90.980	340.560	6801.79	16244.34	16014.74	-3364.75	1689345.16	14386016.40	39°36'55.1032"N	80°49'34.5460"W	16364.39	348.135	0.41	-0.04	0.40	
23449.00	91.020	340.770	6800.15	16338.32	16103.42	-3395.87	1689314.05	14386105.05	39°36'55.9803"N	80°49'34.9415"W	16457.59	348.092	0.23	0.04	0.22	
23544.00	91.290	341.020	6798.23	16433.30	16193.17	-3426.96	1689282.98	14386194.76	39°36'56.8679"N	80°49'35.3365"W	16551.82	348.051	0.39	0.28	0.26	
23639.00	91.200	340.210	6796.17	16528.27	16282.76	-3458.48	1689251.47	14386284.32	39°36'57.7539"N	80°49'35.7371"W	16646.01	348.009	0.86	-0.09	-0.85	
23733.00	91.350	340.730	6794.07	16622.24	16371.33	-3489.90	1689220.06	14386372.85	39°36'58.6299"N	80°49'36.1363"W	16739.17	347.966	0.58	0.16	0.55	
23827.00	91.260	340.850	6791.93	16716.21	16460.08	-3520.82	1689189.16	14386461.56	39°36'59.5075"N	80°49'36.5293"W	16832.42	347.926	0.16	-0.10	0.13	
23921.00	91.880	341.330	6789.36	16810.18	16548.97	-3551.27	1689158.72	14386550.42	39°37'0.3866"N	80°49'36.9162"W	16925.72	347.888	0.83	0.66	0.51	
24015.00	90.890	341.230	6787.09	16904.15	16637.97	-3581.43	1689128.57	14386639.38	39°37'1.2668"N	80°49'37.2994"W	17019.07	347.852	1.06	-1.05	-0.11	
24110.00	90.980	340.430	6785.54	16999.13	16727.69	-3612.62	1689097.39	14386729.07	39°37'2.1541"N	80°49'37.6957"W	17113.35	347.813	0.85	0.09	-0.84	
24205.00	91.140	340.500	6783.78	17094.11	16817.21	-3644.38	1689065.64	14386818.55	39°37'3.0394"N	80°49'38.0994"W	17207.55	347.773	0.18	0.17	0.07	
24242.00	91.140	340.000	6783.04	17131.10	16852.02	-3656.88	1689053.15	14386853.35	39°37'3.3837"N	80°49'38.2583"W	17244.23	347.757	1.35	0.00	-1.35	
24267.00	91.140	340.000	6782.54	17156.09	16875.51	-3665.43	1689044.60	14386876.83	39°37'3.6160"N	80°49'38.3669"W	17269.00	347.745	0.00	0.00	0.00	Projected MD at TD: 24267'

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Actual Wellpath Report

Cargo Unit 1H AWP Proj: 24267'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

HOLE & CASING SECTIONS - Ref Wellbore: Cargo Unit 1H AWB Ref Wellpath: Cargo Unit 1H AWP Proj: 24267'									
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	-0.18	0.08
17.5in Open Hole	125.50	412.00	286.50	125.50	411.99	-0.18	0.08	-1.75	-0.42
13.375in Casing Surface	25.50	391.00	365.50	25.50	391.00	0.00	0.00	-1.60	-0.39
12.375in Open Hole	412.00	3212.00	2800.00	411.99	3091.67	-1.75	-0.42	136.60	718.93
9.625in Casing Intermediate	25.50	3182.00	3156.50	25.50	3062.71	0.00	0.00	134.10	711.52
8.75in Open Hole	3212.00	6774.00	3562.00	3091.67	6428.40	136.60	718.93	448.93	1873.87
8.5in Open Hole	6774.00	24267.00	17493.00	6428.40	6782.54	448.93	1873.87	16875.51	-3665.43
5.5in Casing Production	25.50	24247.00	24221.50	25.50	6782.94	0.00	0.00	16856.72	-3658.59

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Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Cargo Unit 1H POE Rev-3	6785.00	821.88	1841.11	1694548.95	14370829.60	39°34'24.8447"N	80°48'28.4410"W	point
Cargo Unit 1H POE Rev-4	6785.00	830.06	1838.33	1694546.16	14370837.78	39°34'24.9257"N	80°48'28.4764"W	point
Cargo Unit 1H BHL Rev-3	6811.00	16882.49	-3629.39	1689080.63	14386883.81	39°37'3.6844"N	80°49'37.9062"W	point
Cargo Unit 1H LP Rev-3	6811.00	1000.53	1780.27	1694488.13	14371008.18	39°34'26.6116"N	80°48'29.2132"W	point
Cargo Unit 1H 50' L/R Hard line	7000.00	8852.19	-894.14	1691814.79	14378856.71	39°35'44.2661"N	80°49'3.1626"W	rectangle
2D Rectangle 16966.7 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Cargo Unit 1H AWB Ref Wellpath: Cargo Unit 1H AWP Proj: 24267'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	400.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-400')	Cargo Unit 1H AWB	3/1/2024
400.00	465.00	Gyrodatta 2015 - GC+WIR+DPIPE	02 Gyrodatta MS Gyro <12-3/8"> (400')(465')	Cargo Unit 1H AWB	3/3/2024
465.00	3133.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <12-3/8"> (465')(502-3133')	Cargo Unit 1H AWB	3/1/2024
3133.00	6701.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04 APS EM <8-3/4"> (3133')(3201'-6701')	Cargo Unit 1H AWB	4/19/2024
6701.00	24267.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH AT Curve <8-1/2"> (6701')(6750'-24242')	Cargo Unit 1H AWB	4/19/2024

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Cargo Unit 1H AWP Proj: 24267'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cargo Unit 1H
Field	Wetzel	API	47-103-03629-0000
Facility	Fluharty Pad	Wellbore	Cargo Unit 1H AWB
Slot	Slot F		

COMMENTS
<p>Wellpath general comments API: 47-103-03629-0000 BH Job #: 112156745 Rig: H&P 317 Duration: 5/1/2024-5/5/2024 Gyrodatta MS Gyro <17-1/2"> (100'-400') Gyrodatta MS Gyro <12-3/8"> (400')(465') APS EM <12-3/8"> (465')(502'-3133') APS EM <8-3/4"> (3133')(3201'-6701') BH AT Curve <8-1/2"> (6701')(6750'-24242') Sycamore: 6853' MD Middlesex: 7009' MD Burkett: 7163' MD Tully: 7210' MD Marcellus POE: 7316' MD Projected MD at TD: 24267'</p>

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