



Actual Wellpath Report

Forster Unit 2H AWP Proj: 22708'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Forster Unit 2H
Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H 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	0.999604	Report Generated	1/7/2023 at 12:26:43 AM
Convergence at slot	0.14° 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	43.86	9.88	1701793.63	14354499.81	39°31'43.2260"N	80°46'56.3930"W
Facility Reference Pt			1701783.75	14354455.97	39°31'42.7928"N	80°46'56.5204"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	160.97°

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WELLPATH DATA (249 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	143.440	0.00	0.00	0.00	0.00	1701793.63	14354499.81	39°31'43.2260"N	80°46'56.3930"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	143.440	25.50	0.00	0.00	0.00	1701793.63	14354499.81	39°31'43.2260"N	80°46'56.3930"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.110	143.440	100.00	0.07	-0.06	0.04	1701793.67	14354499.75	39°31'43.2254"N	80°46'56.3924"W	0.07	143.440	0.15	0.15	0.00	Gyrodata MS Gyro <17-1/2"> (100'-870')
200.00	0.280	159.260	200.00	0.40	-0.36	0.19	1701793.82	14354499.45	39°31'43.2224"N	80°46'56.3906"W	0.41	152.835	0.18	0.17	15.82	
300.00	0.410	151.140	300.00	1.00	-0.90	0.45	1701794.08	14354498.91	39°31'43.2170"N	80°46'56.3873"W	1.01	153.787	0.14	0.13	-8.12	
400.00	0.500	138.680	399.99	1.76	-1.55	0.91	1701794.54	14354498.26	39°31'43.2107"N	80°46'56.3814"W	1.79	149.619	0.13	0.09	-12.46	
500.00	0.500	143.820	499.99	2.58	-2.23	1.45	1701795.08	14354497.59	39°31'43.2040"N	80°46'56.3745"W	2.66	146.883	0.04	0.00	5.14	
600.00	0.100	121.590	599.99	3.06	-2.62	1.78	1701795.41	14354497.19	39°31'43.2000"N	80°46'56.3703"W	3.17	145.788	0.41	-0.40	-22.23	
700.00	0.200	17.800	699.99	2.99	-2.50	1.91	1701795.54	14354497.31	39°31'43.2012"N	80°46'56.3686"W	3.15	142.634	0.24	0.10	-103.79	
800.00	0.130	354.640	799.99	2.74	-2.22	1.95	1701795.58	14354497.59	39°31'43.2040"N	80°46'56.3681"W	2.98	138.695	0.10	-0.07	-23.16	
870.00	0.090	21.020	869.99	2.62	-2.09	1.97	1701795.60	14354497.72	39°31'43.2053"N	80°46'56.3679"W	2.87	136.793	0.09	-0.06	37.69	
978.00	0.270	252.580	977.99	2.55	-2.09	1.75	1701795.38	14354497.72	39°31'43.2053"N	80°46'56.3706"W	2.73	140.002	0.31	0.17	-118.93	APS EM <12-1/4"> (870')(978'-3319')
1039.00	0.640	328.640	1038.99	2.21	-1.84	1.44	1701795.07	14354497.97	39°31'43.2078"N	80°46'56.3746"W	2.34	142.000	1.04	0.61	124.69	
1133.00	3.830	37.040	1132.91	-0.05	1.11	3.06	1701796.69	14354500.92	39°31'43.2369"N	80°46'56.3539"W	3.25	70.013	3.88	3.39	72.77	
1228.00	6.780	34.630	1227.49	-5.15	8.26	8.16	1701801.78	14354508.07	39°31'43.3075"N	80°46'56.2886"W	11.61	44.639	3.11	3.11	-2.54	
1322.00	7.100	31.670	1320.80	-12.12	17.77	14.36	1701807.98	14354517.57	39°31'43.4013"N	80°46'56.2091"W	22.85	38.942	0.51	0.34	-3.15	
1417.00	8.650	27.910	1414.91	-20.71	29.08	20.79	1701814.41	14354528.88	39°31'43.5129"N	80°46'56.1268"W	35.75	35.557	1.72	1.63	-3.96	
1512.00	8.730	34.770	1508.82	-29.85	41.32	28.24	1701821.86	14354541.11	39°31'43.6337"N	80°46'56.0312"W	50.05	34.356	1.09	0.08	7.22	
1607.00	8.890	39.470	1602.70	-37.94	52.91	37.02	1701830.64	14354552.69	39°31'43.7480"N	80°46'55.9189"W	64.57	34.982	0.78	0.17	4.95	
1701.00	7.830	38.230	1695.70	-45.20	63.54	45.60	1701839.21	14354563.33	39°31'43.8529"N	80°46'55.8090"W	78.21	35.665	1.14	-1.13	-1.32	
1796.00	8.600	38.120	1789.72	-52.55	74.21	53.99	1701847.60	14354573.99	39°31'43.9582"N	80°46'55.7016"W	91.77	36.035	0.81	0.81	-0.12	
1890.00	8.570	35.420	1882.67	-60.44	85.45	62.39	1701855.99	14354585.23	39°31'44.0690"N	80°46'55.5941"W	105.80	36.133	0.43	-0.03	-2.87	
1985.00	8.410	34.700	1976.63	-68.66	96.93	70.44	1701864.05	14354596.70	39°31'44.1823"N	80°46'55.4909"W	119.83	36.008	0.20	-0.17	-0.76	
2080.00	8.420	42.480	2070.61	-76.09	107.77	79.10	1701872.70	14354607.54	39°31'44.2893"N	80°46'55.3802"W	133.68	36.276	1.20	0.01	8.19	
2175.00	8.840	44.680	2164.53	-82.64	118.09	88.93	1701882.52	14354617.86	39°31'44.3910"N	80°46'55.2544"W	147.83	36.981	0.56	0.44	2.32	
2269.00	8.980	41.260	2257.40	-89.48	128.74	98.84	1701892.43	14354628.50	39°31'44.4960"N	80°46'55.1275"W	162.31	37.516	0.58	0.15	-3.64	
2366.00	9.210	40.790	2353.18	-97.13	140.31	108.91	1701902.49	14354640.07	39°31'44.6101"N	80°46'54.9987"W	177.62	37.818	0.25	0.24	-0.48	
2461.00	9.010	39.450	2446.98	-104.84	151.81	118.60	1701912.18	14354651.56	39°31'44.7236"N	80°46'54.8747"W	192.65	37.998	0.31	-0.21	-1.41	
2555.00	8.780	39.610	2539.85	-112.42	163.02	127.85	1701921.43	14354662.77	39°31'44.8341"N	80°46'54.7563"W	207.18	38.106	0.25	-0.24	0.17	
2650.00	9.160	35.730	2633.69	-120.56	174.75	136.89	1701930.47	14354674.49	39°31'44.9498"N	80°46'54.6406"W	221.98	38.074	0.75	0.40	-4.08	

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Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

WELLPATH DATA (249 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
2745.00	8.690	35.520	2727.54	-129.09	186.73	145.48	1701939.05	14354686.46	39°31'45.0680"N	80°46'54.5306"W	236.71	37.922	0.50	-0.49	-0.22	
2839.00	9.010	41.900	2820.42	-136.78	197.98	154.52	1701948.09	14354697.72	39°31'45.1790"N	80°46'54.4149"W	251.14	37.970	1.10	0.34	6.79	
2934.00	7.100	34.120	2914.48	-143.92	208.38	162.78	1701956.34	14354708.11	39°31'45.2816"N	80°46'54.3091"W	264.42	37.995	2.31	-2.01	-8.19	
3028.00	9.950	41.180	3007.44	-151.44	219.31	171.39	1701964.95	14354719.03	39°31'45.3894"N	80°46'54.1989"W	278.33	38.007	3.22	3.03	7.51	
3123.00	10.070	38.370	3100.99	-159.99	232.00	181.95	1701975.50	14354731.71	39°31'45.5145"N	80°46'54.0638"W	294.83	38.106	0.53	0.13	-2.96	
3218.00	8.630	31.790	3194.73	-168.97	244.57	190.86	1701984.41	14354744.28	39°31'45.6386"N	80°46'53.9497"W	310.22	37.968	1.89	-1.52	-6.93	
3312.00	9.910	38.360	3287.50	-177.78	256.90	199.59	1701993.14	14354756.61	39°31'45.7603"N	80°46'53.8378"W	325.33	37.844	1.76	1.36	6.99	
3319.00	9.820	40.350	3294.40	-178.41	257.83	200.35	1701993.90	14354757.54	39°31'45.7694"N	80°46'53.8281"W	326.53	37.850	5.04	-1.29	28.43	
3402.00	10.280	41.770	3376.13	-185.63	268.75	209.87	1702003.42	14354768.45	39°31'45.8771"N	80°46'53.7063"W	340.99	37.987	0.63	0.55	1.71	APS EM <8-3/4"> (3319')(3402'-6143')
3496.00	9.480	37.340	3468.74	-194.00	281.15	220.14	1702013.69	14354780.85	39°31'45.9994"N	80°46'53.5748"W	357.08	38.061	1.19	-0.87	-4.71	
3591.00	9.820	51.170	3562.41	-201.07	292.44	231.19	1702024.73	14354792.13	39°31'46.1107"N	80°46'53.4334"W	372.78	38.329	2.46	0.38	14.56	
3685.00	10.320	47.280	3654.96	-207.17	303.17	243.62	1702037.15	14354802.86	39°31'46.2165"N	80°46'53.2745"W	388.93	38.784	0.90	0.53	-4.14	
3781.00	8.900	45.830	3749.61	-213.78	314.18	255.27	1702048.79	14354813.87	39°31'46.3250"N	80°46'53.1255"W	404.81	39.093	1.50	-1.48	-1.51	
3876.00	8.430	47.820	3843.53	-219.64	323.98	265.70	1702059.22	14354823.66	39°31'46.4216"N	80°46'52.9921"W	419.00	39.355	0.59	-0.49	2.09	
3970.00	7.350	44.840	3936.64	-225.00	332.87	275.04	1702068.56	14354832.55	39°31'46.5093"N	80°46'52.8725"W	431.80	39.566	1.23	-1.15	-3.17	
4064.00	7.240	38.540	4029.88	-230.82	341.77	282.97	1702076.49	14354841.44	39°31'46.5970"N	80°46'52.7711"W	443.71	39.624	0.86	-0.12	-6.70	
4158.00	6.770	36.600	4123.17	-237.12	350.85	289.97	1702083.48	14354850.52	39°31'46.6866"N	80°46'52.6815"W	455.17	39.573	0.56	-0.50	-2.06	
4253.00	6.040	34.460	4217.58	-243.26	359.46	296.13	1702089.65	14354859.13	39°31'46.7716"N	80°46'52.6026"W	465.74	39.482	0.81	-0.77	-2.25	
4347.00	7.670	39.060	4310.91	-249.52	368.41	302.89	1702096.40	14354868.08	39°31'46.8599"N	80°46'52.5161"W	476.94	39.425	1.83	1.73	4.89	
4442.00	6.590	39.360	4405.17	-255.73	377.56	310.34	1702103.84	14354877.21	39°31'46.9500"N	80°46'52.4207"W	488.73	39.419	1.14	-1.14	0.32	
4536.00	7.730	41.420	4498.44	-261.67	386.46	317.94	1702111.45	14354886.12	39°31'47.0379"N	80°46'52.3234"W	500.44	39.444	1.24	1.21	2.19	
4631.00	7.490	38.810	4592.60	-268.12	396.08	326.05	1702119.55	14354895.73	39°31'47.1327"N	80°46'52.2196"W	513.02	39.461	0.44	-0.25	-2.75	
4725.00	8.780	40.080	4685.65	-275.06	406.34	334.51	1702128.01	14354905.99	39°31'47.2340"N	80°46'52.1114"W	526.32	39.462	1.39	1.37	1.35	
4820.00	8.520	40.280	4779.57	-282.38	417.26	343.73	1702137.22	14354916.90	39°31'47.3416"N	80°46'51.9934"W	540.60	39.481	0.28	-0.27	0.21	
4915.00	7.520	35.810	4873.64	-289.55	427.67	351.91	1702145.40	14354927.31	39°31'47.4443"N	80°46'51.8886"W	553.84	39.450	1.24	-1.05	-4.71	
5009.00	8.780	38.820	4966.69	-296.91	438.25	360.01	1702153.50	14354937.88	39°31'47.5487"N	80°46'51.7849"W	567.16	39.402	1.41	1.34	3.20	
5103.00	8.950	40.820	5059.57	-304.40	449.37	369.29	1702162.77	14354949.00	39°31'47.6584"N	80°46'51.6662"W	581.64	39.413	0.37	0.18	2.13	
5198.00	7.100	42.610	5153.63	-310.90	459.28	378.09	1702171.57	14354958.91	39°31'47.7662"N	80°46'51.5535"W	594.89	39.462	1.96	-1.95	1.88	
5292.00	8.420	41.840	5246.77	-317.01	468.69	386.62	1702180.09	14354968.31	39°31'47.8489"N	80°46'51.4444"W	607.57	39.519	1.41	1.40	-0.82	
5386.00	8.810	46.440	5339.71	-323.35	478.77	396.42	1702189.90	14354978.39	39°31'47.9484"N	80°46'51.3189"W	621.59	39.625	0.84	0.41	4.89	

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Facility	Beech Run Pad		Wellbore	Forster Unit 2H AWB
Slot	Slot G			

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[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
5481.00	7.740	40.230	5433.72	-329.64	488.67	405.83	1702199.30	14354988.29	39°31'48.0460"N	80°46'51.1986"W	635.21	39.709	1.47	-1.13	-6.54	
5575.00	6.070	33.960	5527.04	-335.87	497.63	412.69	1702206.16	14354997.24	39°31'48.1343"N	80°46'51.1107"W	646.49	39.670	1.95	-1.78	-6.67	
5670.00	7.610	43.700	5621.36	-341.77	506.34	419.85	1702213.31	14355005.95	39°31'48.2203"N	80°46'51.0192"W	657.76	39.665	2.02	1.62	10.25	
5764.00	8.290	52.840	5714.46	-346.73	514.94	429.55	1702223.01	14355014.54	39°31'48.3050"N	80°46'50.8951"W	670.57	39.834	1.52	0.72	9.72	
5859.00	7.000	52.990	5808.62	-350.65	522.56	439.63	1702233.08	14355022.16	39°31'48.3801"N	80°46'50.7662"W	682.89	40.074	1.36	-1.36	0.16	
5956.00	7.770	46.630	5904.81	-355.18	530.62	449.12	1702242.57	14355030.22	39°31'48.4595"N	80°46'50.6449"W	695.17	40.245	1.16	0.79	-6.56	
6050.00	9.190	48.690	5997.78	-360.65	539.94	459.37	1702252.82	14355039.53	39°31'48.5513"N	80°46'50.5137"W	708.91	40.391	1.54	1.51	2.19	
6143.00	7.860	46.830	6089.75	-366.06	549.19	469.59	1702263.03	14355048.78	39°31'48.6426"N	80°46'50.3830"W	722.58	40.532	1.46	-1.43	-2.00	
6262.00	7.830	80.260	6207.70	-368.08	556.13	483.52	1702276.96	14355055.72	39°31'48.7108"N	80°46'50.2050"W	736.94	41.005	3.78	-0.03	28.09	BH AT Curve <8-1/2"> (6143')(6262'-22683')
6357.00	9.870	101.340	6301.59	-362.92	555.63	497.89	1702291.32	14355055.22	39°31'48.7055"N	80°46'50.0217"W	746.07	41.863	4.00	2.15	22.19	
6452.00	14.220	126.200	6394.54	-349.20	547.13	515.31	1702308.73	14355046.72	39°31'48.6210"N	80°46'49.7996"W	751.59	43.284	7.03	4.58	26.17	
6546.00	20.730	134.520	6484.16	-324.79	528.62	536.51	1702329.93	14355028.22	39°31'48.4376"N	80°46'49.5296"W	753.18	45.424	7.40	6.93	8.85	
6641.00	28.780	142.510	6570.39	-287.98	498.63	562.47	1702355.87	14354998.24	39°31'48.1406"N	80°46'49.1993"W	751.66	48.443	9.16	8.47	8.41	
6655.00†	29.925	142.652	6582.59	-281.46	493.18	566.64	1702360.04	14354992.79	39°31'48.0866"N	80°46'49.1462"W	751.20	48.965	8.19	8.18	1.02	Sycamore: 6655' MD
6735.00	36.470	143.310	6649.50	-239.82	458.21	592.98	1702386.37	14354957.84	39°31'47.7404"N	80°46'48.8111"W	749.38	52.306	8.19	8.18	0.82	
6799.00†	41.752	143.437	6699.14	-201.35	425.82	617.05	1702410.44	14354925.46	39°31'47.4197"N	80°46'48.5049"W	749.72	55.391	8.25	8.25	0.20	Middlesex: 6799' MD
6830.00	44.310	143.490	6721.80	-181.18	408.82	629.64	1702423.02	14354908.47	39°31'47.2514"N	80°46'48.3447"W	750.73	57.005	8.25	8.25	0.17	
6924.00	52.720	144.590	6784.01	-113.86	351.85	670.92	1702464.28	14354851.52	39°31'46.6873"N	80°46'47.8197"W	757.59	62.326	8.99	8.95	1.17	
6940.00†	54.177	144.918	6793.54	-101.52	341.36	678.34	1702471.70	14354841.03	39°31'46.5834"N	80°46'47.7254"W	759.39	63.287	9.25	9.10	2.05	Burkett: 6940' MD
6999.00†	59.555	146.031	6825.78	-53.92	300.66	706.32	1702499.57	14354800.35	39°31'46.1805"N	80°46'47.3696"W	767.65	66.942	9.25	9.12	1.89	Tully: 6999' MD
7019.00	61.380	146.380	6835.63	-37.10	286.20	716.00	1702509.34	14354785.89	39°31'46.0374"N	80°46'47.2465"W	771.08	68.212	9.25	9.13	1.75	
7113.00	72.760	146.470	6872.20	46.56	214.19	763.79	1702557.12	14354713.91	39°31'45.3245"N	80°46'46.6388"W	793.25	74.335	12.11	12.11	0.10	
7186.00†	76.538	148.555	6891.52	115.01	154.81	801.58	1702594.89	14354654.56	39°31'44.7366"N	80°46'46.1584"W	816.40	79.069	5.86	5.18	2.86	Marcellus POE: 7186' MD
7208.00	77.680	149.170	6896.43	135.98	136.46	812.67	1702605.98	14354636.22	39°31'44.5551"N	80°46'46.0174"W	824.05	80.468	5.86	5.19	2.79	
7303.00	83.740	153.970	6911.77	228.41	54.06	857.24	1702650.53	14354553.85	39°31'43.7397"N	80°46'45.4512"W	858.94	86.392	8.10	6.38	5.05	
7397.00	90.370	154.830	6916.59	321.62	-30.55	897.78	1702691.05	14354469.27	39°31'42.9024"N	80°46'44.9365"W	898.30	91.949	7.11	7.05	0.91	
7492.00	90.090	152.450	6916.21	415.83	-115.67	939.96	1702733.21	14354384.19	39°31'42.0602"N	80°46'44.4009"W	947.05	97.015	2.52	-0.29	-2.51	
7586.00	90.340	156.150	6915.86	509.18	-200.35	980.71	1702773.95	14354299.54	39°31'41.2222"N	80°46'43.8834"W	1000.97	101.546	3.95	0.27	3.94	
7681.00	89.780	154.810	6915.76	603.74	-286.78	1020.14	1702813.36	14354213.14	39°31'40.3670"N	80°46'43.3830"W	1059.68	105.702	1.53	-0.59	-1.41	
7775.00	89.780	157.570	6916.12	697.40	-372.78	1058.08	1702851.29	14354127.18	39°31'39.5163"N	80°46'42.9014"W	1121.83	109.408	2.94	0.00	2.94	

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Actual Wellpath Report

Forster Unit 2H AWP Proj: 22708'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Forster Unit 2H
Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

WELLPATH DATA (249 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
7870.00	88.400	157.750	6917.63	792.23	-460.63	1094.19	1702887.38	14354039.36	39°31'38.6471"N	80°46'42.4435"W	1187.19	112.830	1.46	-1.45	0.19	
7965.00	90.370	160.930	6918.65	887.17	-549.50	1127.70	1702920.88	14353950.53	39°31'37.7679"N	80°46'42.0186"W	1254.45	115.979	3.94	2.07	3.35	
8060.00	91.420	157.690	6917.16	982.11	-638.35	1161.25	1702954.42	14353861.71	39°31'36.8890"N	80°46'41.5932"W	1325.14	118.798	3.58	1.11	-3.41	
8154.00	89.690	157.470	6916.25	1075.93	-725.24	1197.10	1702990.25	14353774.86	39°31'36.0294"N	80°46'41.1384"W	1399.65	121.209	1.86	-1.84	-0.23	
8249.00	90.490	162.420	6916.10	1170.89	-814.45	1229.67	1703022.81	14353685.68	39°31'35.1469"N	80°46'40.7256"W	1474.93	123.518	5.28	0.84	5.21	
8344.00	90.800	158.460	6915.04	1265.86	-903.94	1261.46	1703054.59	14353596.23	39°31'34.2616"N	80°46'40.3227"W	1551.90	125.625	4.18	0.33	-4.17	
8438.00	89.230	161.180	6915.01	1359.83	-992.16	1293.89	1703087.00	14353508.04	39°31'33.3889"N	80°46'39.9117"W	1630.50	127.481	3.34	-1.67	2.89	
8533.00	91.420	159.060	6914.47	1454.80	-1081.49	1326.19	1703119.29	14353418.75	39°31'32.5053"N	80°46'39.5023"W	1711.25	129.197	3.21	2.31	-2.23	
8627.00	88.770	157.290	6914.32	1548.68	-1168.74	1361.13	1703154.22	14353331.54	39°31'31.6421"N	80°46'39.0591"W	1794.05	130.651	3.39	-2.82	-1.88	
8721.00	89.910	158.970	6915.40	1642.55	-1255.96	1396.14	1703189.22	14353244.35	39°31'30.7792"N	80°46'38.6151"W	1877.94	131.974	2.16	1.21	1.79	
8816.00	89.050	161.360	6916.26	1737.53	-1345.32	1428.37	1703221.43	14353155.03	39°31'29.8953"N	80°46'38.2066"W	1962.17	133.285	2.67	-0.91	2.52	
8911.00	88.890	161.930	6917.97	1832.51	-1435.47	1458.28	1703251.33	14353064.91	39°31'29.0036"N	80°46'37.8278"W	2046.25	134.548	0.62	-0.17	0.60	
9006.00	89.050	159.660	6919.68	1927.49	-1525.16	1489.53	1703282.56	14352975.25	39°31'28.1164"N	80°46'37.4319"W	2131.85	135.677	2.40	0.17	-2.39	
9100.00	89.970	161.670	6920.48	2021.48	-1613.85	1520.64	1703313.67	14352886.60	39°31'27.2391"N	80°46'37.0376"W	2217.40	136.703	2.35	0.98	2.14	
9195.00	89.050	160.220	6921.29	2116.47	-1703.64	1551.86	1703344.67	14352796.85	39°31'26.3509"N	80°46'36.6447"W	2304.35	137.673	1.81	-0.97	-1.53	
9290.00	90.120	161.350	6921.98	2211.46	-1793.34	1582.92	1703375.92	14352707.18	39°31'25.4636"N	80°46'36.2485"W	2392.01	138.566	1.64	1.13	1.19	
9385.00	88.980	160.280	6922.73	2306.46	-1883.06	1614.14	1703407.13	14352617.50	39°31'24.5761"N	80°46'35.8530"W	2480.19	139.397	1.65	-1.20	-1.13	
9480.00	91.600	160.760	6922.25	2401.45	-1972.61	1645.82	1703438.79	14352527.98	39°31'23.6903"N	80°46'35.4516"W	2569.03	140.161	2.80	2.76	0.51	
9574.00	90.310	162.330	6920.68	2495.42	-2061.76	1675.57	1703468.53	14352438.87	39°31'22.8084"N	80°46'35.0748"W	2656.76	140.900	2.16	-1.37	1.67	
9669.00	89.170	160.150	6921.11	2590.41	-2151.71	1706.12	1703499.07	14352348.95	39°31'21.9187"N	80°46'34.6878"W	2746.03	141.589	2.59	-1.20	-2.29	
9764.00	91.260	162.810	6920.75	2685.40	-2241.77	1736.29	1703529.23	14352258.93	39°31'21.0278"N	80°46'34.3057"W	2835.53	142.242	3.56	2.20	2.80	
9859.00	90.150	160.160	6919.59	2780.37	-2331.84	1766.45	1703559.38	14352168.90	39°31'20.1369"N	80°46'33.9236"W	2925.38	142.855	3.02	-1.17	-2.79	
9953.00	91.290	159.670	6918.40	2874.35	-2420.11	1798.73	1703591.64	14352080.66	39°31'19.2637"N	80°46'33.5145"W	3015.36	143.379	1.32	1.21	-0.52	
10048.00	89.540	158.140	6917.72	2969.28	-2508.74	1832.92	1703625.82	14351992.07	39°31'18.3870"N	80°46'33.0811"W	3106.98	143.848	2.45	-1.84	-1.61	
10142.00	90.090	162.580	6918.02	3063.25	-2597.25	1864.50	1703657.39	14351903.59	39°31'17.5114"N	80°46'32.6808"W	3197.20	144.326	4.76	0.59	4.72	
10237.00	91.910	162.120	6916.36	3158.20	-2687.76	1893.30	1703686.18	14351813.12	39°31'16.6162"N	80°46'32.3162"W	3287.65	144.839	1.98	1.92	-0.48	
10331.00	90.060	158.670	6914.75	3252.17	-2776.28	1924.83	1703717.69	14351724.64	39°31'15.7405"N	80°46'31.9167"W	3378.27	145.266	4.16	-1.97	-3.67	
10426.00	92.310	163.990	6912.78	3347.10	-2866.22	1955.22	1703748.08	14351634.73	39°31'14.8509"N	80°46'31.5317"W	3469.60	145.700	6.08	2.37	5.60	
10521.00	90.340	159.220	6910.58	3442.04	-2956.31	1985.19	1703778.03	14351544.67	39°31'13.9597"N	80°46'31.1523"W	3561.00	146.118	5.43	-2.07	-5.02	
10615.00	90.860	160.980	6909.60	3536.02	-3044.69	2017.18	1703810.01	14351456.33	39°31'13.0855"N	80°46'30.7468"W	3652.28	146.475	1.95	0.55	1.87	

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Actual Wellpath Report

Forster Unit 2H AWP Proj: 22708'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Forster Unit 2H
Field	Tyler		API	47-095-02804-0000
Facility	Beech Run Pad		Wellbore	Forster Unit 2H AWB
Slot	Slot G			

WELLPATH DATA (249 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
10710.00	90.830	161.020	6908.20	3631.01	-3134.51	2048.10	1703840.92	14351366.55	39°31'12.1970"N	80°46'30.3551"W	3744.31	146.839	0.05	-0.03	0.04	
10805.00	89.510	160.780	6907.91	3726.01	-3224.27	2079.19	1703871.99	14351276.82	39°31'11.3091"N	80°46'29.9613"W	3836.53	147.184	1.41	-1.39	-0.25	
10900.00	89.720	159.640	6908.55	3820.99	-3313.66	2111.35	1703904.14	14351187.47	39°31'10.4248"N	80°46'29.5537"W	3929.14	147.496	1.22	0.22	-1.20	
10994.00	90.220	162.130	6908.60	3914.99	-3402.47	2142.13	1703934.91	14351098.69	39°31'9.5464"N	80°46'29.1638"W	4020.64	147.806	2.70	0.53	2.65	
11089.00	88.430	162.120	6909.72	4009.96	-3492.87	2171.29	1703964.05	14351008.33	39°31'8.6521"N	80°46'28.7947"W	4112.74	148.134	1.88	-1.88	-0.01	
11184.00	89.910	160.140	6911.10	4104.94	-3582.75	2202.01	1703994.76	14350918.48	39°31'7.7631"N	80°46'28.4055"W	4205.35	148.425	2.60	1.56	-2.08	
11279.00	89.690	161.160	6911.43	4199.94	-3672.38	2233.48	1704026.23	14350828.89	39°31'6.8765"N	80°46'28.0068"W	4298.24	148.693	1.10	-0.23	1.07	
11373.00	88.370	160.380	6913.02	4293.92	-3761.12	2264.44	1704057.17	14350740.18	39°31'5.9986"N	80°46'27.6146"W	4390.18	148.949	1.63	-1.40	-0.83	
11467.00	90.920	163.620	6913.60	4387.88	-3850.50	2293.48	1704086.20	14350650.84	39°31'5.1146"N	80°46'27.2469"W	4481.79	149.221	4.39	2.71	3.45	
11562.00	89.010	160.340	6913.66	4482.85	-3940.82	2322.86	1704115.57	14350560.55	39°31'4.2212"N	80°46'26.8749"W	4574.47	149.483	4.00	-2.01	-3.45	
11657.00	88.400	159.670	6915.81	4577.81	-4030.07	2355.34	1704148.03	14350471.34	39°31'3.3383"N	80°46'26.4634"W	4667.88	149.696	0.95	-0.64	-0.71	
11752.00	89.420	162.080	6917.62	4672.79	-4119.81	2386.45	1704179.13	14350381.64	39°31'2.4506"N	80°46'26.0692"W	4761.09	149.918	2.75	1.07	2.54	
11847.00	87.970	161.210	6919.78	4767.75	-4209.95	2416.36	1704209.03	14350291.54	39°31'1.5590"N	80°46'25.6905"W	4854.12	150.146	1.78	-1.53	-0.92	
11942.00	89.080	161.630	6922.22	4862.71	-4299.96	2446.62	1704239.28	14350201.56	39°31'0.6686"N	80°46'25.3073"W	4947.29	150.361	1.25	1.17	0.44	
12036.00	89.450	159.150	6923.43	4956.69	-4388.50	2478.16	1704270.81	14350113.06	39°30'59.7928"N	80°46'24.9076"W	5039.86	150.547	2.67	0.39	-2.64	
12131.00	90.280	162.910	6923.65	5051.68	-4478.32	2509.04	1704301.67	14350023.27	39°30'58.9043"N	80°46'24.5165"W	5133.29	150.740	4.05	0.87	3.96	
12226.00	90.770	159.150	6922.78	5146.65	-4568.14	2539.91	1704332.53	14349933.49	39°30'58.0158"N	80°46'24.1255"W	5226.76	150.926	3.99	0.52	-3.96	
12320.00	88.740	161.470	6923.19	5240.64	-4656.63	2571.58	1704364.19	14349845.03	39°30'57.1404"N	80°46'23.7242"W	5319.52	151.091	3.28	-2.16	2.47	
12415.00	88.980	160.820	6925.08	5335.62	-4746.52	2602.28	1704394.87	14349755.18	39°30'56.2513"N	80°46'23.3355"W	5413.06	151.266	0.73	0.25	-0.68	
12510.00	88.950	161.520	6926.79	5430.60	-4836.42	2632.93	1704425.52	14349665.32	39°30'55.3620"N	80°46'22.9472"W	5506.66	151.436	0.74	-0.03	0.74	
12604.00	88.920	159.660	6928.54	5524.58	-4925.06	2664.16	1704456.74	14349576.71	39°30'54.4852"N	80°46'22.5515"W	5599.46	151.589	1.98	-0.03	-1.98	
12699.00	89.910	162.280	6929.51	5619.56	-5014.85	2695.14	1704487.69	14349486.95	39°30'53.5970"N	80°46'22.1592"W	5693.20	151.745	2.95	1.04	2.76	
12794.00	90.400	157.890	6929.25	5714.53	-5104.15	2727.49	1704520.03	14349397.69	39°30'52.7136"N	80°46'21.7493"W	5787.18	151.881	4.65	0.52	-4.62	
12888.00	89.260	155.460	6929.53	5808.26	-5190.46	2764.70	1704557.23	14349311.42	39°30'51.8597"N	80°46'21.2773"W	5880.85	151.958	2.86	-1.21	-2.59	
12983.00	89.660	160.870	6930.43	5903.10	-5278.60	2800.02	1704592.54	14349223.31	39°30'50.9876"N	80°46'20.8295"W	5975.26	152.056	5.71	0.42	5.69	
13078.00	89.510	160.670	6931.11	5998.10	-5368.30	2831.31	1704623.81	14349133.64	39°30'50.1003"N	80°46'20.4331"W	6069.18	152.192	0.26	-0.16	-0.21	
13172.00	88.800	161.560	6932.50	6092.09	-5457.23	2861.73	1704654.22	14349044.75	39°30'49.2206"N	80°46'20.0479"W	6162.05	152.328	1.21	-0.76	0.95	
13267.00	91.170	160.270	6932.53	6187.08	-5547.00	2892.79	1704685.27	14348955.02	39°30'48.3326"N	80°46'19.6545"W	6255.99	152.458	2.84	2.49	-1.36	
13362.00	88.920	158.210	6932.45	6282.02	-5635.82	2926.46	1704718.93	14348866.23	39°30'47.4540"N	80°46'19.2278"W	6350.33	152.559	3.21	-2.37	-2.17	
13457.00	90.400	163.360	6933.02	6376.99	-5725.49	2957.71	1704750.17	14348776.59	39°30'46.5669"N	80°46'18.8319"W	6444.33	152.680	5.64	1.56	5.42	

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Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
13551.00	89.350	162.050	6933.22	6470.94	-5815.24	2985.66	1704778.10	14348686.88	39°30'45.6792"N	80°46'18.4782"W	6536.91	152.823	1.79	-1.12	-1.39	
13646.00	88.890	161.450	6934.68	6565.92	-5905.45	3015.40	1704807.84	14348596.71	39°30'44.7869"N	80°46'18.1016"W	6630.76	152.951	0.80	-0.48	-0.63	
13741.00	90.150	160.760	6935.48	6660.91	-5995.33	3046.17	1704838.59	14348506.87	39°30'43.8979"N	80°46'17.7120"W	6724.81	153.065	1.51	1.33	-0.73	
13836.00	88.980	160.730	6936.20	6755.91	-6085.01	3077.49	1704869.90	14348417.22	39°30'43.0107"N	80°46'17.3152"W	6818.97	153.172	1.23	-1.23	-0.03	
13931.00	91.750	161.440	6935.59	6850.90	-6174.87	3108.29	1704900.68	14348327.40	39°30'42.1218"N	80°46'16.9253"W	6913.06	153.280	3.01	2.92	0.75	
14026.00	89.940	161.620	6934.19	6945.88	-6264.96	3138.38	1704930.76	14348237.34	39°30'41.2307"N	80°46'16.5443"W	7007.08	153.392	1.91	-1.91	0.19	
14121.00	89.820	162.230	6934.39	7040.86	-6355.27	3167.85	1704960.22	14348147.07	39°30'40.3374"N	80°46'16.1711"W	7101.04	153.506	0.65	-0.13	0.64	
14216.00	89.540	162.840	6934.92	7135.83	-6445.89	3196.36	1704988.72	14348056.48	39°30'39.4410"N	80°46'15.8103"W	7194.88	153.624	0.71	-0.29	0.64	
14310.00	89.290	161.240	6935.88	7229.80	-6535.30	3225.35	1705017.69	14347967.11	39°30'38.5566"N	80°46'15.4434"W	7287.87	153.732	1.72	-0.27	-1.70	
14405.00	89.230	160.210	6937.11	7324.79	-6624.97	3256.70	1705049.04	14347877.48	39°30'37.6696"N	80°46'15.0463"W	7382.16	153.822	1.09	-0.06	-1.08	
14500.00	90.250	162.370	6937.54	7419.78	-6714.94	3287.17	1705079.50	14347787.54	39°30'36.7796"N	80°46'14.6604"W	7476.36	153.917	2.51	1.07	2.27	
14594.00	89.780	158.910	6937.51	7513.77	-6803.61	3318.33	1705110.64	14347698.90	39°30'35.9025"N	80°46'14.2658"W	7569.71	154.000	3.71	-0.50	-3.68	
14689.00	90.220	161.840	6937.51	7608.75	-6893.08	3350.23	1705142.53	14347609.47	39°30'35.0174"N	80°46'13.8616"W	7664.11	154.079	3.12	0.46	3.08	
14783.00	89.510	161.720	6937.73	7702.74	-6982.37	3379.62	1705171.91	14347520.22	39°30'34.1342"N	80°46'13.4896"W	7757.28	154.172	0.77	-0.76	-0.13	
14878.00	89.380	161.950	6938.65	7797.72	-7072.63	3409.24	1705201.51	14347429.99	39°30'33.2414"N	80°46'13.1147"W	7851.43	154.264	0.28	-0.14	0.24	
14973.00	89.570	161.490	6939.53	7892.71	-7162.83	3439.04	1705231.30	14347339.83	39°30'32.3492"N	80°46'12.7374"W	7945.64	154.353	0.52	0.20	-0.48	
15067.00	89.350	161.760	6940.41	7986.70	-7252.04	3468.67	1705260.92	14347250.66	39°30'31.4668"N	80°46'12.3623"W	8038.88	154.438	0.37	-0.23	0.29	
15162.00	90.060	161.300	6940.90	8081.69	-7342.14	3498.76	1705291.00	14347160.59	39°30'30.5755"N	80°46'11.9813"W	8133.16	154.521	0.89	0.75	-0.48	
15256.00	89.350	161.720	6941.38	8175.69	-7431.29	3528.57	1705320.80	14347071.48	39°30'29.6937"N	80°46'11.6038"W	8226.47	154.600	0.88	-0.76	0.45	
15351.00	89.350	161.810	6942.46	8270.67	-7521.61	3558.30	1705350.51	14346981.29	39°30'28.8012"N	80°46'11.2276"W	8320.73	154.682	0.09	0.00	0.09	
15446.00	89.350	161.650	6943.54	8365.66	-7611.71	3588.08	1705380.28	14346891.12	39°30'27.9090"N	80°46'10.8506"W	8415.02	154.761	0.17	0.00	-0.17	
15540.00	88.740	161.140	6945.11	8459.64	-7700.79	3618.06	1705410.26	14346802.08	39°30'27.0279"N	80°46'10.4709"W	8508.38	154.834	0.85	-0.65	-0.54	
15635.00	90.650	161.360	6945.61	8554.64	-7790.74	3648.60	1705440.78	14346712.17	39°30'26.1380"N	80°46'10.0843"W	8602.79	154.905	2.02	2.01	0.23	
15729.00	90.090	161.930	6945.01	8648.63	-7879.96	3678.20	1705470.37	14346622.99	39°30'25.2556"N	80°46'9.7096"W	8696.14	154.978	0.85	-0.60	0.61	
15824.00	88.490	159.190	6946.18	8743.60	-7969.52	3709.81	1705501.96	14346533.46	39°30'24.3696"N	80°46'9.3092"W	8790.68	155.038	3.34	-1.68	-2.88	
15919.00	90.000	161.450	6947.43	8838.58	-8058.96	3741.80	1705533.94	14346444.06	39°30'23.4848"N	80°46'8.9040"W	8885.26	155.094	2.86	1.59	2.38	
16013.00	90.180	162.140	6947.29	8932.57	-8148.25	3771.16	1705563.29	14346354.80	39°30'22.6016"N	80°46'8.5323"W	8978.62	155.164	0.76	0.19	0.73	
16108.00	88.920	161.770	6948.03	9027.55	-8238.57	3800.59	1705592.71	14346264.51	39°30'21.7081"N	80°46'8.1598"W	9072.96	155.235	1.38	-1.33	-0.39	
16202.00	90.150	160.260	6948.80	9121.54	-8327.45	3831.17	1705623.27	14346175.67	39°30'20.8289"N	80°46'7.7726"W	9166.48	155.295	2.07	1.31	-1.61	
16297.00	89.660	162.610	6948.95	9216.53	-8417.50	3861.41	1705653.51	14346085.65	39°30'19.9382"N	80°46'7.3897"W	9260.93	155.357	2.53	-0.52	2.47	

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Forster Unit 2H AWP Proj: 22708'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Forster Unit 2H
Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

WELLPATH DATA (249 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
16392.00	89.380	160.660	6949.75	9311.52	-8507.66	3891.34	1705683.42	14345995.54	39°30'19.0464"N	80°46'7.0109"W	9355.36	155.421	2.07	-0.29	-2.05	
16487.00	89.510	161.640	6950.67	9406.51	-8597.56	3922.03	1705714.10	14345905.67	39°30'18.1571"N	80°46'6.6223"W	9449.88	155.478	1.04	0.14	1.03	
16581.00	89.660	161.790	6951.35	9500.50	-8686.81	3951.52	1705743.58	14345816.46	39°30'17.2743"N	80°46'6.2490"W	9543.33	155.540	0.23	0.16	0.16	
16676.00	89.540	161.420	6952.01	9595.49	-8776.95	3981.50	1705773.55	14345726.35	39°30'16.3826"N	80°46'5.8695"W	9637.80	155.599	0.41	-0.13	-0.39	
16770.00	89.540	161.700	6952.77	9689.49	-8866.12	4011.23	1705803.27	14345637.21	39°30'15.5005"N	80°46'5.4931"W	9731.30	155.657	0.30	0.00	0.30	
16865.00	89.510	161.070	6953.56	9784.48	-8956.15	4041.56	1705833.58	14345547.22	39°30'14.6100"N	80°46'5.1092"W	9825.82	155.712	0.66	-0.03	-0.66	
16959.00	89.570	161.100	6954.31	9878.48	-9045.07	4072.03	1705864.04	14345458.34	39°30'13.7304"N	80°46'4.7234"W	9919.41	155.763	0.07	0.06	0.03	
17054.00	89.660	161.600	6954.95	9973.47	-9135.08	4102.41	1705894.41	14345368.36	39°30'12.8400"N	80°46'4.3388"W	10013.96	155.816	0.53	0.09	0.53	
17148.00	89.540	161.750	6955.61	10067.46	-9224.31	4131.96	1705923.95	14345279.17	39°30'11.9574"N	80°46'3.9647"W	10107.47	155.870	0.20	-0.13	0.16	
17243.00	89.600	161.880	6956.32	10162.45	-9314.56	4161.61	1705953.58	14345188.95	39°30'11.0646"N	80°46'3.5894"W	10201.96	155.926	0.15	0.06	0.14	
17338.00	89.140	161.140	6957.36	10257.44	-9404.65	4191.73	1705983.70	14345098.90	39°30'10.1735"N	80°46'3.2081"W	10296.51	155.977	0.92	-0.48	-0.78	
17432.00	89.720	161.990	6958.30	10351.43	-9493.82	4221.46	1706013.41	14345009.76	39°30'9.2914"N	80°46'2.8318"W	10390.06	156.028	1.09	0.62	0.90	
17526.00	89.660	161.840	6958.81	10445.41	-9583.18	4250.64	1706042.58	14344920.44	39°30'8.4075"N	80°46'2.4625"W	10483.57	156.080	0.17	-0.06	-0.16	
17621.00	89.750	162.090	6959.30	10540.40	-9673.51	4280.05	1706071.98	14344830.15	39°30'7.5140"N	80°46'2.0903"W	10578.07	156.133	0.28	0.09	0.26	
17716.00	89.200	162.000	6960.17	10635.38	-9763.88	4309.33	1706101.25	14344739.82	39°30'6.6201"N	80°46'1.7197"W	10672.57	156.186	0.59	-0.58	-0.09	
17810.00	89.820	160.970	6960.97	10729.37	-9853.01	4339.18	1706131.09	14344650.72	39°30'5.7385"N	80°46'1.3419"W	10766.16	156.232	1.28	0.66	-1.10	
17905.00	89.970	161.130	6961.14	10824.37	-9942.86	4370.03	1706161.92	14344560.91	39°30'4.8496"N	80°46'0.9513"W	10860.83	156.274	0.23	0.16	0.17	
18000.00	89.660	160.380	6961.45	10919.37	-10032.55	4401.34	1706193.22	14344471.25	39°30'3.9624"N	80°46'0.5548"W	10955.54	156.313	0.85	-0.33	-0.79	
18095.00	90.150	162.110	6961.61	11014.36	-10122.50	4431.89	1706223.75	14344381.34	39°30'3.0726"N	80°46'0.1681"W	11050.19	156.355	1.89	0.52	1.82	
18189.00	89.080	162.100	6962.24	11108.34	-10211.95	4460.77	1706252.63	14344291.92	39°30'2.1878"N	80°45'59.8026"W	11143.71	156.403	1.14	-1.14	-0.01	
18284.00	88.620	158.270	6964.15	11203.29	-10301.29	4492.96	1706284.80	14344202.62	39°30'1.3040"N	80°45'59.3949"W	11238.47	156.435	4.06	-0.48	-4.03	
18378.00	89.850	161.580	6965.40	11297.25	-10389.56	4525.22	1706317.05	14344114.38	39°30'0.4308"N	80°45'58.9863"W	11332.28	156.464	3.76	1.31	3.52	
18473.00	89.630	161.960	6965.83	11392.24	-10479.79	4554.94	1706346.75	14344024.19	39°29'59.5383"N	80°45'58.6102"W	11426.87	156.508	0.46	-0.23	0.40	
18567.00	89.480	161.810	6966.56	11486.23	-10569.13	4584.16	1706375.97	14343934.89	39°29'58.6546"N	80°45'58.2404"W	11520.46	156.552	0.23	-0.16	-0.16	
18662.00	89.170	160.160	6967.68	11581.22	-10658.93	4615.11	1706406.91	14343845.12	39°29'57.7662"N	80°45'57.8485"W	11615.17	156.588	1.77	-0.33	-1.74	
18757.00	89.380	161.940	6968.89	11676.21	-10748.77	4645.96	1706437.74	14343755.31	39°29'56.8775"N	80°45'57.4580"W	11709.87	156.624	1.89	0.22	1.87	
18852.00	89.020	160.920	6970.21	11771.19	-10838.82	4676.21	1706467.98	14343665.30	39°29'55.9868"N	80°45'57.0751"W	11804.53	156.663	1.14	-0.38	-1.07	
18946.00	89.140	161.620	6971.72	11865.18	-10927.83	4706.39	1706498.15	14343576.33	39°29'55.1063"N	80°45'56.6931"W	11898.21	156.699	0.76	0.13	0.74	
19041.00	89.450	161.730	6972.89	11960.16	-11018.00	4736.26	1706528.00	14343486.19	39°29'54.2143"N	80°45'56.3151"W	11992.85	156.739	0.35	0.33	0.12	
19136.00	89.850	162.050	6973.47	12055.15	-11108.29	4765.78	1706557.52	14343395.93	39°29'53.3211"N	80°45'55.9414"W	12087.47	156.779	0.54	0.42	0.34	



Actual Wellpath Report

Forster Unit 2H AWP Proj: 22708'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Forster Unit 2H
Field	Tyler		API	47-095-02804-0000
Facility	Beech Run Pad		Wellbore	Forster Unit 2H AWB
Slot	Slot G			

WELLPATH DATA (249 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
19230.00	88.860	160.980	6974.53	12149.14	-11197.44	4795.59	1706587.31	14343306.83	39°29'52.4393"N	80°45'55.5642"W	12181.14	156.816	1.55	-1.05	-1.14	
19325.00	89.540	161.560	6975.85	12244.13	-11287.40	4826.09	1706617.80	14343216.90	39°29'51.5495"N	80°45'55.1781"W	12275.85	156.850	0.94	0.72	0.61	
19419.00	89.510	161.640	6976.63	12338.12	-11376.59	4855.76	1706647.46	14343127.75	39°29'50.6672"N	80°45'54.8026"W	12369.52	156.886	0.09	-0.03	0.09	
19514.00	89.420	160.770	6977.52	12433.11	-11466.52	4886.36	1706678.05	14343037.85	39°29'49.7776"N	80°45'54.4151"W	12464.25	156.919	0.92	-0.09	-0.92	
19608.00	89.420	160.480	6978.47	12527.10	-11555.19	4917.55	1706709.22	14342949.22	39°29'48.9004"N	80°45'54.0203"W	12558.05	156.947	0.31	0.00	-0.31	
19703.00	89.260	160.270	6979.57	12622.09	-11644.66	4949.45	1706741.11	14342859.78	39°29'48.0153"N	80°45'53.6163"W	12652.88	156.973	0.28	-0.17	-0.22	
19798.00	89.170	160.390	6980.87	12717.08	-11734.11	4981.43	1706773.07	14342770.36	39°29'47.1304"N	80°45'53.2114"W	12747.70	156.998	0.16	-0.09	0.13	
19892.00	89.380	160.350	6982.06	12811.07	-11822.64	5013.00	1706804.64	14342681.87	39°29'46.2546"N	80°45'52.8116"W	12841.54	157.022	0.23	0.22	-0.04	
19987.00	89.630	160.710	6982.88	12906.06	-11912.21	5044.66	1706836.29	14342592.34	39°29'45.3686"N	80°45'52.4107"W	12936.36	157.048	0.46	0.26	0.38	
20082.00	89.230	160.280	6983.82	13001.05	-12001.75	5076.38	1706867.99	14342502.83	39°29'44.4828"N	80°45'52.0091"W	13031.18	157.073	0.62	-0.42	-0.45	
20177.00	89.200	160.480	6985.13	13096.04	-12091.22	5108.28	1706899.88	14342413.39	39°29'43.5977"N	80°45'51.6052"W	13126.01	157.097	0.21	-0.03	0.21	
20271.00	89.570	160.710	6986.13	13190.03	-12179.88	5139.51	1706931.09	14342324.77	39°29'42.7207"N	80°45'51.2098"W	13219.83	157.122	0.46	0.39	0.24	
20365.00	89.480	160.930	6986.91	13284.03	-12268.66	5170.39	1706961.96	14342236.03	39°29'41.8424"N	80°45'50.8189"W	13313.64	157.148	0.25	-0.10	0.23	
20460.00	88.920	160.520	6988.24	13379.01	-12358.32	5201.75	1706993.31	14342146.40	39°29'40.9554"N	80°45'50.4219"W	13408.44	157.173	0.73	-0.59	-0.43	
20554.00	88.620	160.900	6990.26	13472.99	-12447.03	5232.79	1707024.34	14342057.73	39°29'40.0779"N	80°45'50.0288"W	13502.24	157.198	0.51	-0.32	0.40	
20649.00	88.920	160.750	6992.30	13567.97	-12536.73	5263.99	1707055.52	14341968.06	39°29'39.1905"N	80°45'49.6339"W	13597.03	157.223	0.35	0.32	-0.16	
20744.00	88.800	160.720	6994.19	13662.95	-12626.40	5295.33	1707086.85	14341878.43	39°29'38.3035"N	80°45'49.2372"W	13691.84	157.248	0.13	-0.13	-0.03	
20838.00	89.080	159.980	6995.93	13756.93	-12714.91	5326.93	1707118.44	14341789.96	39°29'37.4279"N	80°45'48.8370"W	13785.68	157.269	0.84	0.30	-0.79	
20932.00	89.570	160.480	6997.03	13850.91	-12803.36	5358.72	1707150.22	14341701.54	39°29'36.5529"N	80°45'48.4344"W	13879.55	157.289	0.74	0.52	0.53	
21027.00	89.380	160.060	6997.90	13945.90	-12892.78	5390.79	1707182.28	14341612.16	39°29'35.6683"N	80°45'48.0284"W	13974.42	157.309	0.49	-0.20	-0.44	
21121.00	89.350	160.490	6998.95	14039.89	-12981.26	5422.51	1707213.99	14341523.71	39°29'34.7930"N	80°45'47.6267"W	14068.29	157.329	0.46	-0.03	0.46	
21216.00	89.540	160.830	6999.87	14134.88	-13070.89	5453.97	1707245.44	14341434.12	39°29'33.9063"N	80°45'47.2284"W	14163.12	157.351	0.41	0.20	0.36	
21310.00	89.690	160.780	7000.50	14228.88	-13159.66	5484.88	1707276.33	14341345.38	39°29'33.0282"N	80°45'46.8372"W	14256.95	157.374	0.17	0.16	-0.05	
21405.00	89.480	160.630	7001.19	14323.88	-13249.33	5516.27	1707307.71	14341255.75	39°29'32.1412"N	80°45'46.4398"W	14351.79	157.396	0.27	-0.22	-0.16	
21499.00	89.630	160.620	7001.92	14417.87	-13338.00	5547.45	1707338.88	14341167.11	39°29'31.2640"N	80°45'46.0450"W	14445.64	157.417	0.16	0.16	-0.01	
21594.00	89.630	160.670	7002.53	14512.87	-13427.63	5578.94	1707370.35	14341077.52	39°29'30.3773"N	80°45'45.6464"W	14540.49	157.438	0.05	0.00	0.05	
21688.00	89.480	160.490	7003.26	14606.86	-13516.28	5610.19	1707401.59	14340988.91	39°29'29.5004"N	80°45'45.2508"W	14634.34	157.458	0.25	-0.16	-0.19	
21783.00	89.510	160.470	7004.10	14701.86	-13605.81	5641.93	1707433.32	14340899.41	39°29'28.6146"N	80°45'44.8489"W	14729.21	157.478	0.04	0.03	-0.02	
21878.00	89.420	160.520	7004.98	14796.85	-13695.36	5673.65	1707465.02	14340809.90	39°29'27.7288"N	80°45'44.4474"W	14824.07	157.497	0.11	-0.09	0.05	
21972.00	89.570	160.270	7005.81	14890.84	-13783.91	5705.19	1707496.55	14340721.39	39°29'26.8528"N	80°45'44.0481"W	14917.95	157.515	0.31	0.16	-0.27	

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Actual Wellpath Report

Forster Unit 2H AWP Proj: 22708'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Forster Unit 2H
Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

WELLPATH DATA (249 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
22067.00	89.820	160.800	7006.32	14985.84	-13873.47	5736.85	1707528.19	14340631.85	39°29'25.9668"N	80°45'43.6473"W	15012.82	157.534	0.62	0.26	0.56	
22162.00	89.320	160.550	7007.03	15080.83	-13963.12	5768.28	1707559.62	14340542.24	39°29'25.0800"N	80°45'43.2494"W	15107.67	157.554	0.59	-0.53	-0.26	
22256.00	89.480	160.320	7008.01	15174.82	-14051.69	5799.76	1707591.08	14340453.71	39°29'24.2038"N	80°45'42.8509"W	15201.55	157.572	0.30	0.17	-0.24	
22351.00	89.720	160.650	7008.68	15269.82	-14141.23	5831.49	1707622.80	14340364.21	39°29'23.3180"N	80°45'42.4491"W	15296.42	157.590	0.43	0.25	0.35	
22446.00	89.630	160.590	7009.22	15364.81	-14230.84	5863.02	1707654.32	14340274.63	39°29'22.4315"N	80°45'42.0501"W	15391.29	157.609	0.11	-0.09	-0.06	
22540.00	89.690	160.760	7009.77	15458.81	-14319.54	5894.12	1707685.41	14340185.96	39°29'21.5540"N	80°45'41.6563"W	15485.16	157.627	0.19	0.06	0.18	
22635.00	89.200	160.370	7010.70	15553.80	-14409.13	5925.73	1707717.01	14340096.41	39°29'20.6678"N	80°45'41.2562"W	15580.03	157.645	0.66	-0.52	-0.41	
22683.00	89.570	160.810	7011.21	15601.80	-14454.40	5941.68	1707732.95	14340051.16	39°29'20.2200"N	80°45'41.0542"W	15627.96	157.654	1.20	0.77	0.92	
22708.00‡	89.570	160.810	7011.40	15626.80	-14478.01	5949.90	1707741.16	14340027.56	39°29'19.9864"N	80°45'40.9502"W	15652.92	157.659	0.00	0.00	0.00	Projected MD at TD: 22708'

HOLE & CASING SECTIONS - Ref Wellbore: Forster Unit 2H AWB Ref Wellpath: Forster Unit 2H AWP Proj: 22708'									
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	126.00	100.50	25.50	126.00	0.00	0.00	-0.11	0.07
17.5in Open Hole	126.00	979.00	853.00	126.00	978.99	-0.11	0.07	-2.09	1.75
13.375in Casing Surface	25.50	962.00	936.50	25.50	961.99	0.00	0.00	-2.07	1.82
12.25in Open Hole	979.00	3395.00	2416.00	978.99	3369.24	-2.09	1.75	267.82	209.04
9.625in Casing Intermediate	25.50	3365.00	3339.50	25.50	3339.71	0.00	0.00	263.85	205.54
8.75in Open Hole	3395.00	6218.00	2823.00	3369.24	6164.09	267.82	209.04	554.55	477.89
8.5in Open Hole	6218.00	22708.00	16490.00	6164.09	7011.40	554.55	477.89	-14478.01	5949.90
5.5in Casing Production	25.50	22688.00	22662.50	25.50	7011.25	0.00	0.00	-14459.12	5943.33

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Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Forster Unit 2H POE Rev-2	6890.00	157.91	814.48	1702607.79	14354657.66	39°31'44.7671"N	80°46'45.9936"W	point
Forster Unit 2H BHL Rev-1	6904.00	-14792.81	6057.32	1707848.54	14339712.88	39°29'16.8723"N	80°45'39.5908"W	point
Forster Unit 2H AZI Rev-2	6918.00	-369.12	1082.15	1702875.34	14354130.84	39°31'39.5518"N	80°46'42.5943"W	point
Forster Unit 2H BHL Rev-2	6918.00	-14462.48	5943.38	1707734.64	14340043.08	39°29'20.1400"N	80°45'41.0329"W	point
Forster Unit 2H LP Rev-2	6918.00	-12.32	916.19	1702709.46	14354487.50	39°31'43.0822"N	80°46'44.7009"W	point
Forster Unit 2H 50' L/R Hard Line Rev-2	7250.00	-7415.80	3512.76	1705305.00	14347086.96	39°30'29.8471"N	80°46'11.8051"W	rectangle
2D Rectangle 14908.2 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Forster Unit 2H AWB Ref Wellpath: Forster Unit 2H AWP Proj: 22708'						
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
25.50	870.00	Gyrodatta 2015 - GC+WR+DPIPE	01_Gyrodatta MS Gyro <17-1/2"> (100'-870')	Forster Unit 2H AWB	10/17/2022	
870.00	3319.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (870')(978'-3319')	Forster Unit 2H AWB	10/17/2022	
3319.00	6143.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3319')(3402'-6143')	Forster Unit 2H AWB	12/23/2022	
6143.00	22708.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH AT Curve <8-1/2"> (6143')(6262'-22683')	Forster Unit 2H AWB	12/23/2022	

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Field	Tyler	API	47-095-02804-0000
Facility	Beech Run Pad	Wellbore	Forster Unit 2H AWB
Slot	Slot G		

COMMENTS
<p>Wellpath general comments API: 47-095-02804-0000 BH Job #: 111519976 Rig: H&P 317 Duration: 12/29/2022-1/3/2023 Gyrodata MS Gyro <17-1/2"> (100'-870') APS EM <12-1/4"> (870')(978'-3319') APS EM <8-3/4"> (3319')(3402'-6143') BH AT Curve <8-1/2"> (6143')(6262'-22683') Sycamore: 6655' MD Middlesex: 6799' MD Burkett: 6940' MD Tully: 6999' MD Marcellus POE: 7186' MD Projected MD at TD: 22708'</p>

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