



ANTERO RESOURCES CORPORATION

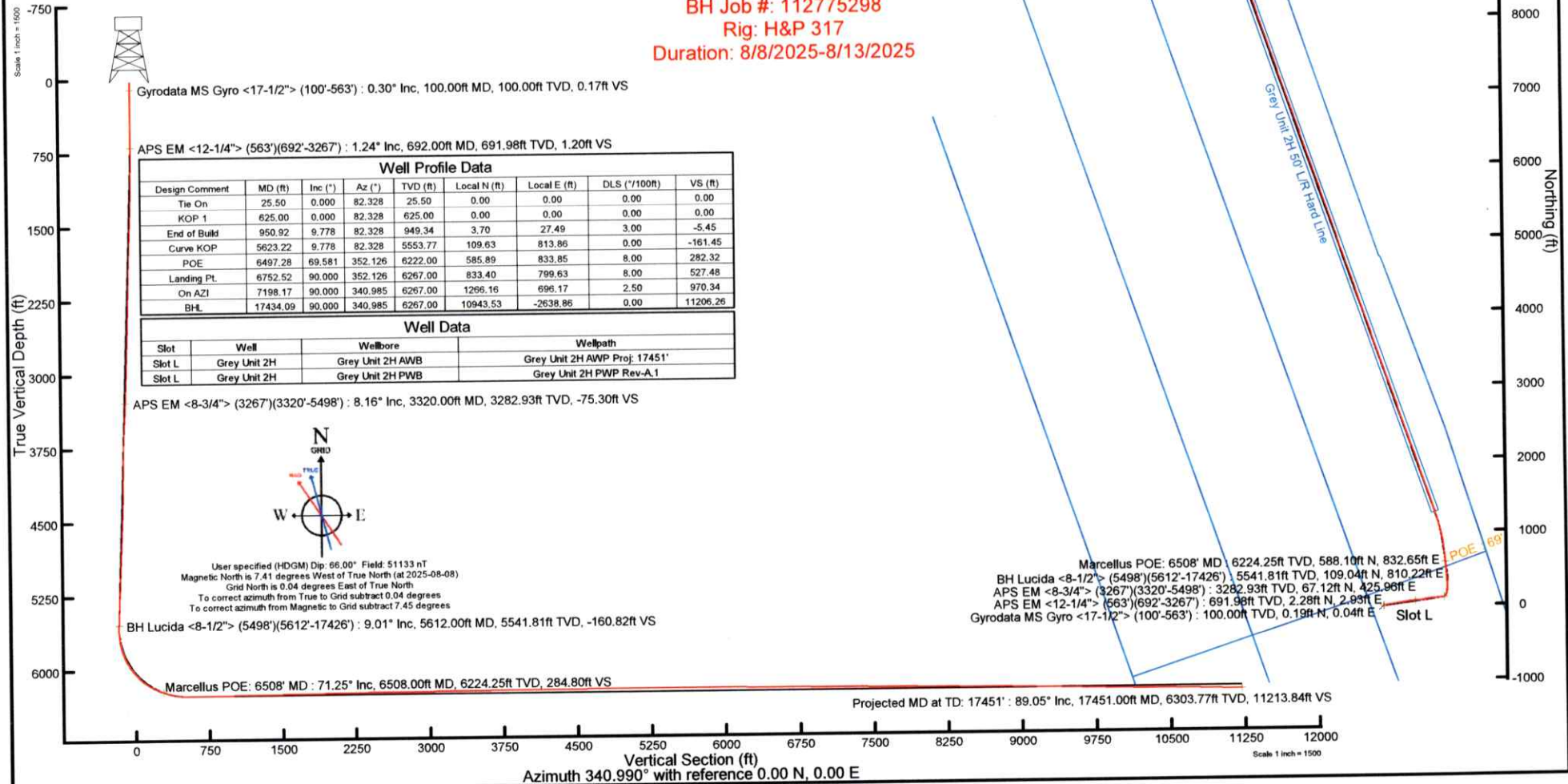
Area: Tyler County, WV
Field: Tyler
Facility: Starkey Pad
Slot: Slot L

Well: Grey Unit 2H
UWI: 47-095-02935-0000
Wellbore: Grey Unit 2H PWB
Wellpath: Grey Unit 2H PWP Rev-A.1



Plot reference wellpath is Grey Unit 2H PWP Rev-A.1	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: 1116.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot L): -1091 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsway on 2025-09-17, Database: WA_MPL_EASTERNUS_Data

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Starkey Pad	1659950.330	14368974.560	39°34'7.0007N	80°55'50.4683W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot L	-305.98	288.79	1660239.000	14368668.700	39°34'3.9744N
Comment	Grey Unit 2H				
H&P 317 (RKB) to Ground level (At Slot: Slot L)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot L)	-1091ft				
H&P 317 (RKB) to Mean Sea Level	1116.5ft				





Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet [32067]	Software System	WellArchitect® 7.0
North Reference	Grid	Report Generated By	Edsaryar on 2025-09-17 at 5:37:10 PM
Scale	0.999600	Last Updated	2025-09-17
Convergence at slot	0.04° 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	-305.98	288.79	1660239.00	14368668.70	39°34'3.9744"N	80°55'46.7837"W
Facility Reference Pt			1659950.33	14368974.56	39°34'7.0007"N	80°55'50.4683"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	1116.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1116.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot L)	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	340.990°

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Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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	13.160	0.00	0.00	0.00	0.00	1660239.00	14368668.70	39°34'3.9744"N	80°55'46.7837"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	13.160	25.50	0.00	0.00	0.00	1660239.00	14368668.70	39°34'3.9744"N	80°55'46.7837"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.300	13.160	100.00	0.17	0.19	0.04	1660239.04	14368668.89	39°34'3.9763"N	80°55'46.7832"W	0.20	13.160	0.40	0.40	0.00	Gyrodata MS Gyro <17-1/2"> (100'-563')
200.00	0.290	45.220	200.00	0.50	0.62	0.28	1660239.28	14368669.32	39°34'3.9806"N	80°55'46.7801"W	0.68	24.476	0.16	-0.01	32.06	
300.00	0.230	50.920	300.00	0.68	0.93	0.62	1660239.62	14368669.63	39°34'3.9836"N	80°55'46.7758"W	1.12	33.711	0.07	-0.06	5.70	
400.00	0.170	63.440	400.00	0.76	1.12	0.91	1660239.91	14368669.82	39°34'3.9855"N	80°55'46.7721"W	1.44	39.001	0.07	-0.06	12.52	
500.00	0.320	47.140	500.00	0.90	1.38	1.24	1660240.24	14368670.08	39°34'3.9880"N	80°55'46.7678"W	1.86	42.117	0.16	0.15	-16.30	
563.00	0.210	57.930	563.00	0.99	1.56	1.47	1660240.47	14368670.26	39°34'3.9898"N	80°55'46.7649"W	2.14	43.370	0.19	-0.17	17.13	
692.00	1.240	64.740	691.98	1.20	2.28	2.93	1660241.93	14368670.98	39°34'3.9969"N	80°55'46.7462"W	3.72	52.164	0.80	0.80	5.28	APS EM <12-1/4"> (563')(692'-3267')
782.00	3.180	77.440	781.91	1.02	3.24	6.25	1660245.25	14368671.94	39°34'4.0064"N	80°55'46.7039"W	7.04	62.622	2.21	2.16	14.11	
872.00	5.450	80.430	871.65	0.04	4.49	12.90	1660251.90	14368673.19	39°34'4.0187"N	80°55'46.6189"W	13.66	70.809	2.53	2.52	3.32	
961.00	7.430	77.600	960.09	-1.31	6.43	22.69	1660261.68	14368675.13	39°34'4.0378"N	80°55'46.4939"W	23.59	74.180	2.25	2.22	-3.18	
1051.00	8.440	75.770	1049.22	-2.53	9.30	34.78	1660273.76	14368678.00	39°34'4.0661"N	80°55'46.3395"W	36.00	75.024	1.16	1.12	-2.03	
1146.00	9.400	76.680	1143.07	-3.88	12.80	49.09	1660288.07	14368681.50	39°34'4.1006"N	80°55'46.1568"W	50.73	75.380	1.02	1.01	0.96	
1240.00	11.120	79.080	1235.57	-5.92	16.29	65.46	1660304.43	14368684.98	39°34'4.1349"N	80°55'45.9477"W	67.45	76.025	1.89	1.83	2.55	
1335.00	11.920	79.790	1328.65	-8.71	19.76	84.11	1660323.08	14368688.46	39°34'4.1691"N	80°55'45.7095"W	86.40	76.776	0.86	0.84	0.75	
1430.00	11.860	83.300	1421.62	-12.29	22.64	103.46	1660342.42	14368691.33	39°34'4.1974"N	80°55'45.4624"W	105.91	77.655	0.76	-0.06	3.69	
1524.00	11.370	82.170	1513.69	-16.15	25.03	122.23	1660361.18	14368693.72	39°34'4.2209"N	80°55'45.2227"W	124.77	78.426	0.57	-0.52	-1.20	
1619.00	11.200	80.080	1606.85	-19.42	27.90	140.60	1660379.54	14368696.59	39°34'4.2491"N	80°55'44.9881"W	143.34	78.777	0.47	-0.18	-2.20	
1713.00	11.460	82.140	1699.02	-22.67	30.75	158.84	1660397.78	14368699.43	39°34'4.2771"N	80°55'44.7551"W	161.79	79.045	0.51	0.28	2.19	
1808.00	11.070	82.500	1792.19	-26.31	33.23	177.23	1660416.16	14368701.91	39°34'4.3015"N	80°55'44.5203"W	180.32	79.381	0.42	-0.41	0.38	
1902.00	10.940	80.450	1884.46	-29.58	35.89	194.98	1660433.90	14368704.57	39°34'4.3276"N	80°55'44.2937"W	198.25	79.571	0.44	-0.14	-2.18	
1997.00	11.320	78.870	1977.68	-32.34	39.18	213.01	1660451.93	14368707.87	39°34'4.3600"N	80°55'44.0633"W	216.59	79.578	0.51	0.40	-1.66	
2092.00	10.930	82.460	2070.89	-35.41	42.16	231.09	1660470.00	14368710.85	39°34'4.3893"N	80°55'43.8325"W	234.91	79.660	0.84	-0.41	3.78	
2186.00	10.520	81.740	2163.25	-38.78	44.57	248.42	1660487.32	14368713.25	39°34'4.4129"N	80°55'43.6112"W	252.38	79.830	0.46	-0.44	-0.77	
2281.00	10.370	78.820	2256.68	-41.57	47.47	265.39	1660504.28	14368716.15	39°34'4.4415"N	80°55'43.3945"W	269.60	79.859	0.58	-0.16	-3.07	
2376.00	9.760	80.890	2350.21	-44.12	50.40	281.73	1660520.61	14368719.08	39°34'4.4704"N	80°55'43.1858"W	286.20	79.857	0.75	-0.64	2.18	
2470.00	9.470	82.510	2442.89	-47.03	52.67	297.26	1660536.14	14368721.35	39°34'4.4927"N	80°55'42.9874"W	301.89	79.952	0.42	-0.31	1.72	
2565.00	9.350	79.230	2536.62	-49.70	55.13	312.59	1660551.47	14368723.81	39°34'4.5169"N	80°55'42.7916"W	317.42	79.998	0.58	-0.13	-3.45	
2660.00	9.270	82.680	2630.37	-52.35	57.55	327.76	1660566.63	14368726.23	39°34'4.5406"N	80°55'42.5979"W	332.78	80.041	0.59	-0.08	3.63	

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Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'
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Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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
2754.00	8.910	84.180	2723.19	-55.55	59.25	342.51	1660581.38	14368727.93	39°34'4.5574"N	80°55'42.4095"W	347.60	80.185	0.46	-0.38	1.60	
2849.00	8.700	83.180	2817.07	-58.74	60.85	356.97	1660595.82	14368729.53	39°34'4.5731"N	80°55'42.2249"W	362.12	80.326	0.27	-0.22	-1.05	
2943.00	8.390	80.980	2910.02	-61.43	62.77	370.80	1660609.65	14368731.45	39°34'4.5919"N	80°55'42.0483"W	376.07	80.392	0.48	-0.33	-2.34	
3038.00	8.750	85.490	3003.96	-64.45	64.43	384.85	1660623.69	14368733.10	39°34'4.6082"N	80°55'41.8689"W	390.20	80.497	0.80	0.38	4.75	
3133.00	8.530	87.780	3097.88	-68.29	65.27	399.09	1660637.93	14368733.94	39°34'4.6164"N	80°55'41.6870"W	404.39	80.712	0.43	-0.23	2.41	
3227.00	8.260	86.320	3190.88	-72.09	65.97	412.80	1660651.63	14368734.64	39°34'4.6232"N	80°55'41.5120"W	418.03	80.920	0.37	-0.29	-1.55	
3267.00	8.140	84.650	3230.47	-73.52	66.42	418.48	1660657.31	14368735.09	39°34'4.6276"N	80°55'41.4394"W	423.72	80.982	0.67	-0.30	-4.17	
3320.00	8.160	84.700	3282.93	-75.30	67.12	425.96	1660664.79	14368735.79	39°34'4.6344"N	80°55'41.3438"W	431.22	81.046	0.04	0.04	0.09	APS EM <8-3/4"> (3267")(3320"-5498")
3414.00	8.060	87.650	3375.99	-78.77	68.00	439.19	1660678.01	14368736.67	39°34'4.6431"N	80°55'41.1749"W	444.42	81.199	0.46	-0.11	3.14	
3509.00	9.700	93.060	3469.85	-83.68	67.85	453.84	1660692.66	14368736.52	39°34'4.6414"N	80°55'40.9879"W	458.88	81.497	1.94	1.73	5.69	
3604.00	10.660	89.040	3563.36	-89.41	67.57	470.62	1660709.43	14368736.24	39°34'4.6385"N	80°55'40.7737"W	475.44	81.830	1.26	1.01	-4.23	
3698.00	9.760	83.480	3655.87	-93.83	68.62	487.23	1660726.03	14368737.29	39°34'4.6488"N	80°55'40.5616"W	492.03	81.983	1.42	-0.96	-5.91	
3793.00	10.630	83.070	3749.37	-97.40	70.59	503.92	1660742.72	14368739.26	39°34'4.6681"N	80°55'40.3483"W	508.84	82.026	0.92	0.92	-0.43	
3888.00	10.080	78.790	3842.82	-100.37	73.26	520.78	1660759.57	14368741.93	39°34'4.6944"N	80°55'40.1331"W	525.91	81.992	1.00	-0.58	-4.51	
3982.00	10.580	79.870	3935.30	-102.82	76.38	537.34	1660776.13	14368745.05	39°34'4.7251"N	80°55'39.9215"W	542.74	81.910	0.57	0.53	1.15	
4077.00	9.750	76.500	4028.81	-104.93	79.79	553.75	1660792.53	14368748.46	39°34'4.7587"N	80°55'39.7120"W	559.47	81.800	1.07	-0.87	-3.55	
4171.00	9.890	80.070	4121.43	-106.97	83.04	569.44	1660808.21	14368751.71	39°34'4.7907"N	80°55'39.5116"W	575.46	81.703	0.66	0.15	3.80	
4266.00	8.960	76.490	4215.15	-108.97	86.18	584.67	1660823.44	14368754.84	39°34'4.8216"N	80°55'39.3171"W	590.99	81.615	1.16	-0.98	-3.77	
4360.00	9.340	78.380	4307.95	-110.65	89.42	599.26	1660838.02	14368758.09	39°34'4.8535"N	80°55'39.1308"W	605.90	81.513	0.52	0.40	2.01	
4455.00	9.840	84.910	4401.63	-113.60	91.70	614.90	1660853.65	14368760.36	39°34'4.8759"N	80°55'38.9311"W	621.70	81.518	1.26	0.53	6.87	
4550.00	9.740	85.570	4495.25	-117.57	93.04	630.99	1660869.74	14368761.70	39°34'4.8890"N	80°55'38.7255"W	637.82	81.612	0.16	-0.11	0.69	
4644.00	8.850	84.310	4588.01	-121.24	94.37	646.12	1660884.86	14368763.03	39°34'4.9020"N	80°55'38.5324"W	652.97	81.690	0.97	-0.95	-1.34	
4739.00	8.760	88.110	4681.89	-125.05	95.33	660.62	1660899.35	14368763.99	39°34'4.9114"N	80°55'38.3472"W	667.46	81.788	0.62	-0.09	4.00	
4833.00	9.460	85.480	4774.71	-129.09	96.18	675.48	1660914.20	14368764.84	39°34'4.9197"N	80°55'38.1575"W	682.29	81.896	0.87	0.74	-2.80	
4930.00	10.460	85.500	4870.24	-133.29	97.50	692.20	1660930.92	14368766.16	39°34'4.9326"N	80°55'37.9439"W	699.03	81.983	1.03	1.03	0.02	
5025.00	9.470	83.740	4963.81	-137.18	99.03	708.57	1660947.28	14368767.69	39°34'4.9475"N	80°55'37.7349"W	715.45	82.044	1.09	-1.04	-1.85	
5119.00	10.080	82.560	5056.44	-140.54	100.93	724.41	1660963.12	14368769.59	39°34'4.9663"N	80°55'37.5326"W	731.41	82.068	0.68	0.65	-1.26	
5214.00	10.190	85.120	5149.96	-144.25	102.72	741.03	1660979.73	14368771.38	39°34'4.9839"N	80°55'37.3204"W	748.11	82.108	0.49	0.12	2.69	
5309.00	11.230	87.870	5243.31	-148.99	103.78	758.64	1660997.34	14368772.44	39°34'4.9942"N	80°55'37.0954"W	765.71	82.210	1.22	1.09	2.89	
5403.00	10.540	81.790	5335.62	-153.26	105.35	776.30	1661014.99	14368774.01	39°34'5.0095"N	80°55'36.8699"W	783.42	82.272	1.42	-0.73	-6.47	

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5498.00	9.090	85.350	5429.23	-156.75	107.20	792.38	1661031.06	14368775.86	39°34'5.0277"N	80°55'36.6646"W	799.60	82.295	1.65	-1.53	3.75	
5612.00	9.010	82.890	5541.81	-160.82	109.04	810.22	1661048.89	14368777.69	39°34'5.0457"N	80°55'36.4368"W	817.52	82.335	0.35	-0.07	-2.16	BH Lucida <8-1/2"> (5498') (5612'-17426')
5706.00	10.980	56.600	5634.42	-160.12	114.88	825.00	1661063.67	14368783.53	39°34'5.1033"N	80°55'36.2480"W	832.96	82.073	5.23	2.10	-27.97	
5801.00	15.400	28.010	5726.99	-149.25	131.02	838.50	1661077.16	14368799.67	39°34'5.2627"N	80°55'36.0754"W	848.67	81.119	8.16	4.65	-30.09	
5895.00	21.990	11.530	5816.04	-125.54	159.33	847.89	1661086.55	14368827.97	39°34'5.5425"N	80°55'35.9552"W	862.74	79.357	8.92	7.01	-17.53	
5990.00	28.740	4.900	5901.85	-89.30	199.57	853.41	1661092.07	14368868.19	39°34'5.9401"N	80°55'35.8843"W	876.43	76.838	7.70	7.11	-6.98	
6085.00	36.610	0.370	5981.77	-41.61	250.74	855.55	1661094.20	14368919.34	39°34'6.4458"N	80°55'35.8565"W	891.53	73.665	8.67	8.28	-4.77	
6124.00†	39.833	359.057	6012.40	-18.76	274.87	855.42	1661094.07	14368943.46	39°34'6.6843"N	80°55'35.8579"W	898.49	72.186	8.52	8.26	-3.37	Sycamore: 6124' MD
6179.00	44.400	357.480	6053.19	16.45	311.72	854.28	1661092.94	14368980.30	39°34'7.0485"N	80°55'35.8721"W	909.38	69.953	8.52	8.30	-2.87	
6265.00†	51.415	356.428	6110.80	77.78	375.41	850.86	1661089.52	14369043.96	39°34'7.6779"N	80°55'35.9151"W	929.99	66.192	8.21	8.16	-1.22	Middlesex: 6265' MD
6274.00	52.150	356.330	6116.37	84.60	382.46	850.41	1661089.07	14369051.01	39°34'7.7477"N	80°55'35.9207"W	932.46	65.785	8.21	8.16	-1.09	
6368.00	61.010	355.310	6168.09	160.37	460.63	844.66	1661083.32	14369129.15	39°34'8.5203"N	80°55'35.9933"W	962.10	61.394	9.47	9.43	-1.09	
6439.00†	66.480	354.567	6199.49	222.15	524.03	839.04	1661077.70	14369192.52	39°34'9.1469"N	80°55'36.0645"W	989.24	58.013	7.76	7.70	-1.05	Burkett: 6439' MD
6463.00	68.330	354.330	6208.71	243.70	546.08	836.89	1661075.56	14369214.57	39°34'9.3649"N	80°55'36.0916"W	999.30	56.875	7.76	7.71	-0.99	
6508.00†	71.250	354.130	6224.25	284.80	588.10	832.65	1661071.31	14369256.56	39°34'9.7801"N	80°55'36.1454"W	1019.39	54.767	6.50	6.49	-0.44	Marcellus POE: 6508' MD
6557.00	74.430	353.920	6238.71	330.41	634.65	827.77	1661066.44	14369303.10	39°34'10.2403"N	80°55'36.2072"W	1043.07	52.523	6.50	6.49	-0.43	
6652.00	80.540	353.910	6259.29	420.76	726.83	817.95	1661056.62	14369395.24	39°34'11.1514"N	80°55'36.3317"W	1094.22	48.376	6.43	6.43	-0.01	
6746.00	89.080	352.140	6267.78	512.23	819.66	806.58	1661045.26	14369488.03	39°34'12.0690"N	80°55'36.4759"W	1149.96	44.539	9.28	9.09	-1.88	
6841.00	90.310	348.750	6268.29	605.92	913.33	790.81	1661029.50	14369581.66	39°34'12.9948"N	80°55'36.6762"W	1208.12	40.888	3.80	1.29	-3.57	
6936.00	90.520	346.240	6267.60	700.30	1006.06	770.25	1661008.94	14369674.36	39°34'13.9115"N	80°55'36.9379"W	1267.06	37.438	2.65	0.22	-2.64	
7030.00	90.430	344.350	6266.82	794.03	1096.98	746.39	1660985.09	14369765.24	39°34'14.8102"N	80°55'37.2416"W	1326.82	34.231	2.01	-0.10	-2.01	
7125.00	90.400	344.340	6266.13	888.86	1188.45	720.75	1660959.46	14369856.67	39°34'15.7145"N	80°55'37.5680"W	1389.93	31.235	0.03	-0.03	-0.01	
7220.00	90.740	342.050	6265.19	983.78	1279.38	693.29	1660932.01	14369947.57	39°34'16.6134"N	80°55'37.9178"W	1455.15	28.453	2.44	0.36	-2.41	
7314.00	90.680	342.130	6264.02	1077.76	1368.82	664.38	1660903.12	14370036.97	39°34'17.4976"N	80°55'38.2860"W	1521.54	25.891	0.11	-0.06	0.09	
7409.00	90.620	341.050	6262.94	1172.74	1458.95	634.38	1660873.13	14370127.07	39°34'18.3886"N	80°55'38.6681"W	1590.91	23.500	1.14	-0.06	-1.14	
7504.00	90.490	341.040	6262.02	1267.74	1548.80	603.53	1660842.29	14370216.87	39°34'19.2768"N	80°55'39.0613"W	1662.23	21.290	0.14	-0.14	-0.01	
7598.00	90.490	341.580	6261.22	1361.73	1637.84	573.41	1660812.18	14370305.88	39°34'20.1570"N	80°55'39.4450"W	1735.31	19.295	0.57	0.00	0.57	
7693.00	90.550	341.110	6260.36	1456.73	1727.84	543.02	1660781.80	14370395.85	39°34'21.0468"N	80°55'39.8321"W	1811.16	17.447	0.50	0.06	-0.49	
7788.00	90.580	341.480	6259.42	1551.72	1817.82	512.56	1660751.35	14370485.79	39°34'21.9363"N	80°55'40.2202"W	1888.70	15.746	0.39	0.03	0.39	
7882.00	90.460	341.260	6258.57	1645.71	1906.89	482.53	1660721.33	14370574.82	39°34'22.8169"N	80°55'40.6027"W	1966.99	14.200	0.27	-0.13	-0.23	



Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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
7977.00	90.550	341.020	6257.73	1740.71	1996.78	451.82	1660690.64	14370664.68	39°34'23.7056"N	80°55'40.9940"W	2047.26	12.750	0.27	0.09	-0.25	
8071.00	90.620	341.230	6256.77	1834.71	2085.73	421.41	1660660.24	14370753.59	39°34'24.5849"N	80°55'41.3814"W	2127.87	11.423	0.24	0.07	0.22	
8166.00	91.510	341.090	6255.00	1929.69	2175.62	390.74	1660629.58	14370843.45	39°34'25.4735"N	80°55'41.7722"W	2210.43	10.182	0.95	0.94	-0.15	
8260.00	90.490	340.810	6253.36	2023.67	2264.46	360.06	1660598.92	14370932.25	39°34'26.3518"N	80°55'42.1630"W	2292.90	9.035	1.13	-1.09	-0.30	
8355.00	90.490	340.920	6252.55	2118.67	2354.20	328.92	1660567.79	14371021.96	39°34'27.2390"N	80°55'42.5597"W	2377.07	7.954	0.12	0.00	0.12	
8450.00	90.580	340.780	6251.66	2213.66	2443.94	297.76	1660536.64	14371111.66	39°34'28.1262"N	80°55'42.9568"W	2462.02	6.946	0.18	0.09	-0.15	
8545.00	90.520	340.970	6250.75	2308.66	2533.70	266.64	1660505.53	14371201.38	39°34'29.0135"N	80°55'43.3533"W	2547.69	6.008	0.21	-0.06	0.20	
8639.00	90.580	340.950	6249.85	2402.65	2622.55	235.97	1660474.88	14371290.20	39°34'29.8919"N	80°55'43.7440"W	2633.14	5.142	0.07	0.06	-0.02	
8734.00	90.520	340.970	6248.94	2497.65	2712.35	204.98	1660443.90	14371379.96	39°34'30.7796"N	80°55'44.1389"W	2720.08	4.322	0.07	-0.06	0.02	
8828.00	90.520	340.780	6248.09	2591.65	2801.16	174.19	1660413.12	14371468.73	39°34'31.6576"N	80°55'44.5313"W	2806.57	3.558	0.20	0.00	-0.20	
8923.00	90.460	340.990	6247.27	2686.64	2890.91	143.08	1660382.02	14371558.45	39°34'32.5449"N	80°55'44.9276"W	2894.45	2.833	0.23	-0.06	0.22	
9017.00	89.910	340.490	6246.97	2780.64	2979.65	112.07	1660351.03	14371647.16	39°34'33.4222"N	80°55'45.3227"W	2981.76	2.154	0.79	-0.59	-0.53	
9112.00	90.460	341.100	6246.66	2875.64	3069.36	80.82	1660319.79	14371736.83	39°34'34.3090"N	80°55'45.7209"W	3070.43	1.508	0.86	0.58	0.64	
9207.00	90.550	340.970	6245.83	2970.63	3159.20	49.95	1660288.93	14371826.63	39°34'35.1972"N	80°55'46.1143"W	3159.60	0.906	0.17	0.09	-0.14	
9301.00	90.520	341.250	6244.95	3064.63	3248.14	19.52	1660258.51	14371915.53	39°34'36.0764"N	80°55'46.5020"W	3248.20	0.344	0.30	-0.03	0.30	
9396.00	90.550	340.820	6244.06	3159.63	3337.98	-11.35	1660227.65	14372005.34	39°34'36.9645"N	80°55'46.8954"W	3337.99	359.805	0.45	0.03	-0.45	
9491.00	90.550	340.960	6243.15	3254.62	3427.74	-42.45	1660196.56	14372095.06	39°34'37.8519"N	80°55'47.2916"W	3428.00	359.290	0.15	0.00	0.15	
9585.00	90.520	340.980	6242.27	3348.62	3516.60	-73.10	1660165.93	14372183.88	39°34'38.7303"N	80°55'47.6822"W	3517.35	358.809	0.04	-0.03	0.02	
9680.00	90.430	340.930	6241.48	3443.61	3606.39	-104.10	1660134.94	14372273.64	39°34'39.6180"N	80°55'48.0772"W	3607.89	358.347	0.11	-0.09	-0.05	
9774.00	90.550	341.060	6240.68	3537.61	3695.26	-134.71	1660104.34	14372362.48	39°34'40.4966"N	80°55'48.4672"W	3697.72	357.912	0.19	0.13	0.14	
9869.00	90.460	341.310	6239.84	3632.61	3785.18	-165.35	1660073.72	14372452.36	39°34'41.3856"N	80°55'48.8576"W	3788.79	357.499	0.28	-0.09	0.26	
9963.00	90.430	340.980	6239.11	3726.60	3874.14	-195.72	1660043.35	14372541.28	39°34'42.2649"N	80°55'49.2446"W	3879.08	357.108	0.35	-0.03	-0.35	
10058.00	90.250	341.300	6238.55	3821.60	3964.04	-226.43	1660012.66	14372631.14	39°34'43.1537"N	80°55'49.6359"W	3970.50	356.731	0.39	-0.19	0.34	
10153.00	90.180	341.200	6238.19	3916.60	4053.99	-256.97	1659982.13	14372721.07	39°34'44.0430"N	80°55'50.0250"W	4062.13	356.373	0.13	-0.07	-0.11	
10247.00	90.340	341.060	6237.77	4010.60	4142.94	-287.37	1659951.74	14372809.98	39°34'44.9223"N	80°55'50.4124"W	4152.90	356.032	0.23	0.17	-0.15	
10342.00	90.310	341.390	6237.23	4105.60	4232.88	-317.95	1659921.18	14372899.88	39°34'45.8114"N	80°55'50.8020"W	4244.81	355.704	0.35	-0.03	0.35	
10436.00	90.220	341.180	6236.79	4199.59	4321.91	-348.11	1659891.03	14372988.88	39°34'46.6916"N	80°55'51.1863"W	4335.91	355.395	0.24	-0.10	-0.22	
10531.00	90.220	341.240	6236.43	4294.59	4411.85	-378.71	1659860.45	14373078.78	39°34'47.5807"N	80°55'51.5763"W	4428.07	355.094	0.06	0.00	0.06	
10625.00	90.250	341.110	6236.04	4388.59	4500.82	-409.04	1659830.13	14373167.71	39°34'48.4602"N	80°55'51.9628"W	4519.37	354.807	0.14	0.03	-0.14	
10720.00	90.310	340.940	6235.58	4483.59	4590.66	-439.93	1659799.25	14373257.51	39°34'49.3483"N	80°55'52.3564"W	4611.69	354.526	0.19	0.06	-0.18	

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Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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
10814.00	90.280	341.090	6235.09	4577.59	4679.54	-470.51	1659768.68	14373346.36	39°34'50.2270"N	80°55'52.7461"W	4703.14	354.258	0.16	-0.03	0.16	
10909.00	90.340	341.130	6234.58	4672.59	4769.42	-501.26	1659737.94	14373436.21	39°34'51.1156"N	80°55'53.1380"W	4795.69	354.000	0.08	0.06	0.04	
11004.00	90.180	341.120	6234.15	4767.59	4859.32	-532.00	1659707.22	14373526.06	39°34'52.0042"N	80°55'53.5296"W	4888.35	353.752	0.17	-0.17	-0.01	
11098.00	90.250	340.950	6233.80	4861.58	4948.21	-562.54	1659676.68	14373614.92	39°34'52.8830"N	80°55'53.9189"W	4980.09	353.514	0.20	0.07	-0.18	
11193.00	90.310	341.210	6233.33	4956.58	5038.08	-593.35	1659645.89	14373704.75	39°34'53.7714"N	80°55'54.3115"W	5072.90	353.283	0.28	0.06	0.27	
11287.00	90.150	340.880	6232.95	5050.58	5126.98	-623.88	1659615.37	14373793.62	39°34'54.6503"N	80°55'54.7006"W	5164.80	353.062	0.39	-0.17	-0.35	
11382.00	89.970	341.450	6232.85	5145.58	5216.89	-654.55	1659584.71	14373883.50	39°34'55.5391"N	80°55'55.0914"W	5257.79	352.849	0.63	-0.19	0.60	
11477.00	89.910	341.010	6232.95	5240.58	5306.84	-685.12	1659554.16	14373973.41	39°34'56.4283"N	80°55'55.4809"W	5350.88	352.644	0.47	-0.06	-0.46	
11571.00	89.940	341.350	6233.08	5334.58	5395.81	-715.44	1659523.84	14374062.35	39°34'57.3079"N	80°55'55.8674"W	5443.04	352.447	0.36	0.03	0.36	
11665.00	89.780	341.120	6233.31	5428.58	5484.82	-745.68	1659493.62	14374151.31	39°34'58.1878"N	80°55'56.2527"W	5535.27	352.258	0.30	-0.17	-0.24	
11760.00	89.820	340.940	6233.64	5523.58	5574.66	-776.56	1659462.75	14374241.12	39°34'59.0759"N	80°55'56.6463"W	5628.49	352.070	0.19	0.04	-0.19	
11855.00	89.820	341.230	6233.94	5618.58	5664.53	-807.36	1659431.97	14374330.95	39°34'59.9644"N	80°55'57.0387"W	5721.77	351.888	0.31	0.00	0.31	
11949.00	89.850	340.790	6234.21	5712.58	5753.41	-837.95	1659401.39	14374419.80	39°35'0.8430"N	80°55'57.4286"W	5814.11	351.714	0.47	0.03	-0.47	
12044.00	90.000	340.980	6234.33	5807.58	5843.17	-869.06	1659370.29	14374509.53	39°35'1.7304"N	80°55'57.8250"W	5907.45	351.540	0.25	0.16	0.20	
12139.00	89.820	341.190	6234.48	5902.58	5933.04	-899.85	1659339.51	14374599.36	39°35'2.6188"N	80°55'58.2175"W	6000.89	351.376	0.29	-0.19	0.22	
12233.00	89.880	341.060	6234.73	5996.57	6021.99	-930.26	1659309.11	14374688.27	39°35'3.4981"N	80°55'58.6050"W	6093.42	351.219	0.15	0.06	-0.14	
12328.00	89.970	341.330	6234.85	6091.57	6111.92	-960.88	1659278.50	14374778.16	39°35'4.3871"N	80°55'58.9953"W	6186.99	351.065	0.30	0.09	0.28	
12423.00	89.910	341.210	6234.95	6186.57	6201.88	-991.39	1659248.01	14374868.09	39°35'5.2765"N	80°55'59.3841"W	6280.62	350.918	0.14	-0.06	-0.13	
12517.00	89.780	340.910	6235.21	6280.57	6290.79	-1021.90	1659217.51	14374956.97	39°35'6.1555"N	80°55'59.7729"W	6373.25	350.773	0.35	-0.14	-0.32	
12612.00	89.660	340.880	6235.67	6375.57	6380.56	-1052.99	1659186.43	14375046.70	39°35'7.0429"N	80°56'0.1692"W	6466.87	350.629	0.13	-0.13	-0.03	
12707.00	89.850	341.470	6236.08	6470.57	6470.48	-1083.65	1659155.79	14375136.58	39°35'7.9318"N	80°56'0.5599"W	6560.59	350.493	0.65	0.20	0.62	
12801.00	89.110	340.820	6236.93	6564.56	6559.43	-1114.02	1659125.42	14375225.50	39°35'8.8111"N	80°56'0.9470"W	6653.36	350.361	1.05	-0.79	-0.69	
12896.00	89.380	340.890	6238.18	6659.56	6649.17	-1145.18	1659094.28	14375315.20	39°35'9.6982"N	80°56'1.3441"W	6747.06	350.228	0.29	0.28	0.07	
12991.00	89.510	341.110	6239.10	6754.55	6738.99	-1176.10	1659063.37	14375404.98	39°35'10.5862"N	80°56'1.7383"W	6840.85	350.100	0.27	0.14	0.23	
13180.00	89.570	340.810	6240.62	6943.54	6917.64	-1237.76	1659001.74	14375583.56	39°35'12.3523"N	80°56'2.5241"W	7027.50	349.856	0.16	0.03	-0.16	
13274.00	89.480	340.970	6241.40	7037.54	7006.46	-1268.53	1658970.98	14375672.34	39°35'13.2303"N	80°56'2.9163"W	7120.37	349.738	0.20	-0.10	0.17	
13369.00	89.480	340.900	6242.26	7132.54	7096.24	-1299.56	1658939.96	14375762.09	39°35'14.1179"N	80°56'3.3118"W	7214.26	349.622	0.07	0.00	-0.07	
13463.00	89.630	341.160	6242.99	7226.53	7185.14	-1330.12	1658909.42	14375850.95	39°35'14.9967"N	80°56'3.7012"W	7307.21	349.512	0.32	0.16	0.28	
13558.00	89.390	341.000	6243.80	7321.53	7275.00	-1360.92	1658878.63	14375940.78	39°35'15.8850"N	80°56'4.0938"W	7401.20	349.404	0.30	-0.25	-0.17	
13747.00	89.350	341.250	6245.88	7510.52	7453.83	-1422.06	1658817.51	14376119.53	39°35'17.6529"N	80°56'4.8731"W	7588.26	349.199	0.13	-0.02	0.13	

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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
13842.00	89.320	340.970	6246.98	7605.51	7543.70	-1452.81	1658786.77	14376209.37	39°35'18.5414"N	80°56'5.2651"W	7682.32	349.099	0.30	-0.03	-0.29	
13936.00	89.660	341.130	6247.82	7699.51	7632.60	-1483.34	1658756.26	14376298.24	39°35'19.4202"N	80°56'5.6541"W	7775.41	349.002	0.40	0.36	0.17	
14031.00	89.510	341.020	6248.51	7794.50	7722.47	-1514.15	1658725.46	14376388.07	39°35'20.3086"N	80°56'6.0469"W	7869.51	348.907	0.20	-0.16	-0.12	
14125.00	89.390	340.740	6249.41	7888.50	7811.28	-1544.94	1658694.68	14376476.84	39°35'21.1865"N	80°56'6.4393"W	7962.59	348.812	0.32	-0.13	-0.30	
14220.00	89.230	341.000	6250.55	7983.49	7901.02	-1576.07	1658663.57	14376566.55	39°35'22.0737"N	80°56'6.8361"W	8056.68	348.719	0.32	-0.17	0.27	
14315.00	89.570	341.190	6251.55	8078.49	7990.89	-1606.84	1658632.80	14376656.39	39°35'22.9621"N	80°56'7.2284"W	8150.85	348.630	0.41	0.36	0.20	
14409.00	89.260	341.160	6252.51	8172.48	8079.86	-1637.17	1658602.48	14376745.32	39°35'23.8416"N	80°56'7.6150"W	8244.06	348.546	0.33	-0.33	-0.03	
14598.00	89.230	340.880	6255.00	8361.47	8258.57	-1698.64	1658541.04	14376923.95	39°35'25.6083"N	80°56'8.3985"W	8431.45	348.377	0.15	-0.02	-0.15	
14693.00	88.950	340.110	6256.51	8456.45	8348.11	-1730.35	1658509.34	14377013.45	39°35'26.4934"N	80°56'8.8028"W	8525.55	348.290	0.86	-0.29	-0.81	
14788.00	89.450	341.040	6257.83	8551.44	8437.69	-1761.95	1658477.76	14377103.00	39°35'27.3790"N	80°56'9.2055"W	8619.69	348.205	1.11	0.53	0.98	
14882.00	90.250	341.210	6258.08	8645.43	8526.63	-1792.35	1658447.37	14377191.91	39°35'28.2583"N	80°56'9.5931"W	8712.98	348.129	0.87	0.85	0.18	
14977.00	88.980	341.140	6258.72	8740.43	8616.55	-1823.01	1658416.72	14377281.79	39°35'29.1471"N	80°56'9.9838"W	8807.28	348.054	1.34	-1.34	-0.07	
15072.00	90.000	340.840	6259.56	8835.42	8706.36	-1853.95	1658385.79	14377371.57	39°35'30.0350"N	80°56'10.3783"W	8901.57	347.979	1.12	1.07	-0.32	
15166.00	89.020	341.310	6260.37	8929.42	8795.28	-1884.44	1658355.32	14377460.44	39°35'30.9140"N	80°56'10.7669"W	8994.89	347.907	1.16	-1.04	0.50	
15261.00	88.650	340.930	6262.30	9024.40	8885.15	-1915.17	1658324.60	14377550.28	39°35'31.8024"N	80°56'11.1586"W	9089.21	347.836	0.56	-0.39	-0.40	
15355.00	88.680	341.130	6264.49	9118.37	8974.02	-1945.72	1658294.06	14377639.11	39°35'32.6809"N	80°56'11.5480"W	9182.53	347.767	0.22	0.03	0.21	
15450.00	88.830	340.720	6266.55	9213.35	9063.78	-1976.76	1658263.04	14377728.84	39°35'33.5683"N	80°56'11.9437"W	9276.83	347.697	0.46	0.16	-0.43	
15545.00	89.020	340.970	6268.34	9308.33	9153.50	-2007.92	1658231.88	14377818.53	39°35'34.4553"N	80°56'12.3410"W	9371.15	347.627	0.33	0.20	0.26	
15639.00	88.860	341.220	6270.07	9402.32	9242.42	-2038.38	1658201.44	14377907.41	39°35'35.3342"N	80°56'12.7292"W	9464.53	347.563	0.32	-0.17	0.27	
15734.00	88.520	340.970	6272.25	9497.29	9332.27	-2069.15	1658170.68	14377997.22	39°35'36.2225"N	80°56'13.1215"W	9558.90	347.499	0.44	-0.36	-0.26	
15829.00	88.560	341.160	6274.67	9592.26	9422.10	-2099.96	1658139.88	14378087.02	39°35'37.1105"N	80°56'13.5143"W	9653.28	347.435	0.20	0.04	0.20	
15923.00	88.830	341.390	6276.81	9686.24	9511.10	-2130.13	1658109.72	14378175.98	39°35'37.9903"N	80°56'13.8989"W	9746.72	347.376	0.38	0.29	0.24	
16018.00	88.770	341.320	6278.80	9781.21	9601.09	-2160.50	1658079.37	14378265.94	39°35'38.8799"N	80°56'14.2860"W	9841.18	347.318	0.10	-0.06	-0.07	
16112.00	88.560	340.840	6280.99	9875.19	9689.99	-2190.97	1658048.91	14378354.80	39°35'39.7587"N	80°56'14.6744"W	9934.60	347.259	0.56	-0.22	-0.51	
16207.00	89.110	340.940	6282.92	9970.17	9779.74	-2222.06	1658017.83	14378444.51	39°35'40.6459"N	80°56'15.0708"W	10029.00	347.199	0.59	0.58	0.11	
16302.00	89.170	340.640	6284.35	10065.16	9869.44	-2253.32	1657986.59	14378534.17	39°35'41.5327"N	80°56'15.4693"W	10123.40	347.139	0.32	0.06	-0.32	
16491.00	89.080	341.020	6287.23	10254.13	10047.94	-2315.37	1657924.56	14378712.60	39°35'43.2972"N	80°56'16.2604"W	10311.25	347.024	0.21	-0.05	0.20	
16586.00	89.720	340.760	6288.23	10349.13	10137.70	-2346.47	1657893.47	14378802.32	39°35'44.1845"N	80°56'16.6569"W	10405.71	346.968	0.73	0.67	-0.27	
16680.00	90.090	339.620	6288.38	10443.12	10226.13	-2378.33	1657861.63	14378890.72	39°35'45.0588"N	80°56'17.0630"W	10499.06	346.907	1.28	0.39	-1.21	
16775.00	88.650	341.360	6289.43	10538.10	10315.66	-2410.05	1657829.92	14378980.22	39°35'45.9439"N	80°56'17.4675"W	10593.45	346.850	2.38	-1.52	1.83	

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Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UWI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (188 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
16869.00	88.800	341.220	6291.52	10632.08	10404.68	-2440.20	1657799.78	14379069.20	39°35'46.8238"N	80°56'17.8518"W	10686.99	346.801	0.22	0.16	-0.15	
16964.00	88.710	340.700	6293.58	10727.05	10494.46	-2471.18	1657768.81	14379158.94	39°35'47.7113"N	80°56'18.2468"W	10781.48	346.750	0.56	-0.09	-0.55	
17058.00	88.830	341.490	6295.60	10821.03	10583.36	-2501.63	1657738.37	14379247.81	39°35'48.5902"N	80°56'18.6350"W	10875.01	346.701	0.85	0.13	0.84	
17153.00	88.680	337.480	6297.67	10915.96	10672.30	-2534.91	1657705.11	14379336.71	39°35'49.4694"N	80°56'19.0594"W	10969.22	346.639	4.22	-0.16	-4.22	
17248.00	88.680	341.460	6299.85	11010.88	10761.23	-2568.21	1657671.82	14379425.60	39°35'50.3485"N	80°56'19.4840"W	11063.44	346.577	4.19	0.00	4.19	
17342.00	88.890	341.080	6301.85	11104.86	10850.23	-2598.39	1657641.66	14379514.57	39°35'51.2283"N	80°56'19.8687"W	11157.02	346.533	0.46	0.22	-0.40	
17426.00	89.050	341.040	6303.36	11188.84	10929.67	-2625.65	1657614.41	14379593.98	39°35'52.0136"N	80°56'20.2163"W	11240.62	346.492	0.20	0.19	-0.05	
17451.00†	89.050	341.040	6303.77	11213.84	10953.31	-2633.77	1657606.29	14379617.61	39°35'52.2473"N	80°56'20.3198"W	11265.51	346.480	0.00	0.00	0.00	Projected MD at TD: 17451'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = 6.82				Reference: IADC/SPE 59196			
Values	Wellpath characterized as:			Values	Wellpath characterized as:		
< 6.0	Relatively short or simple profiles with low tortuosity			6.4-6.8	Longer with relatively tortuous well paths		
< 6.0-6.4	Shorter with high tortuosity or longer with lower tortuosity			> 6.8	Long tortuous profiles, high degree of difficulty		

HOLE & CASING SECTIONS - Ref Wellbore: Grey Unit 2H AWB Ref Wellpath: Grey Unit 2H AWP Proj: 17451'

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	0.31	0.08
17 1/2in Open Hole	125.50	578.00	452.50	125.50	577.99	0.31	0.08	1.59	1.53
13 3/8in Casing Surface	25.50	558.00	532.50	25.50	558.00	0.00	0.00	1.55	1.46
12 1/4in Open Hole	578.00	3346.00	2768.00	577.99	3308.67	1.59	1.53	67.43	429.63
9 5/8in Casing Intermediate	25.50	3316.00	3290.50	25.50	3278.97	0.00	0.00	67.06	425.40
8 3/4in Open Hole	3346.00	5575.00	2229.00	3308.67	5505.26	67.43	429.63	108.36	804.45
8 1/2in Open Hole	5575.00	17451.00	11876.00	5505.26	6303.77	108.36	804.45	10953.31	-2633.77
5 1/2in Casing Production	25.50	17431.00	17405.50	25.50	6303.44	0.00	0.00	10934.39	-2627.27

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UVI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Grey Unit 2H POE Rev-1	6201.00	585.89	833.85	1661072.52	14369254.35	39°34'9.7583"N	80°55'36.1300"W	point
Grey Unit 2H POE Rev-2	6222.00	585.89	833.85	1661072.52	14369254.35	39°34'9.7583"N	80°55'36.1300"W	point
Grey Unit 2H BHL Rev-1	6249.00	10943.53	-2638.86	1657601.20	14379607.84	39°35'52.1508"N	80°56'20.3849"W	point
Grey Unit 2H BHL Rev-2	6267.00	10943.53	-2638.86	1657601.20	14379607.84	39°35'52.1508"N	80°56'20.3849"W	point
Grey Unit 2H 50' L/R Hard Line	6500.00	6106.22	-971.82	1659267.57	14374772.47	39°35'4.3310"N	80°55'59.1350"W	rectangle
2D Rectangle: 10233 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Grey Unit 2H AWB Ref Wellpath: Grey Unit 2H AWP Proj: 17451'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	563.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-563')	Grey Unit 2H AWB	2025-08-08
563.00	3267.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (563')(692'-3267')	Grey Unit 2H AWB	2025-08-08
3267.00	5498.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3267')(3320'-5498')	Grey Unit 2H AWB	2025-08-08
5498.00	17451.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8-1/2"> (5498')(5612'-17426')	Grey Unit 2H AWB	2025-08-08



Actual Wellpath Report

Grey Unit 2H AWP Proj: 17451'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Grey Unit 2H
Field	Tyler	UVI	47-095-02935-0000
Facility	Starkey Pad	Wellbore	Grey Unit 2H AWB
Slot	Slot L		

COMMENTS	
Wellpath general comments API: 47-095-02935-0000 BH Job #: 112775298 Rig: H&P 317 Duration: 8/8/2025-8/13/2025 Gyrodata MS Gyro <17-1/2"> (100'-563') APS EM <12-1/4"> (563')(692'-3267') APS EM <8-3/4"> (3267')(3320'-5498') BH Lucida <8-1/2"> (5498')(5612'-17426') Sycamore: 6124' MD Middlesex: 6265' MD Burkett: 6439' MD Marcellus POE: 6508' MD Projected MD at TD: 17451'	