



# ANTERO RESOURCES CORPORATION



Location: Tyler County, WV  
 Field: Tyler  
 Facility: Big Run Pad

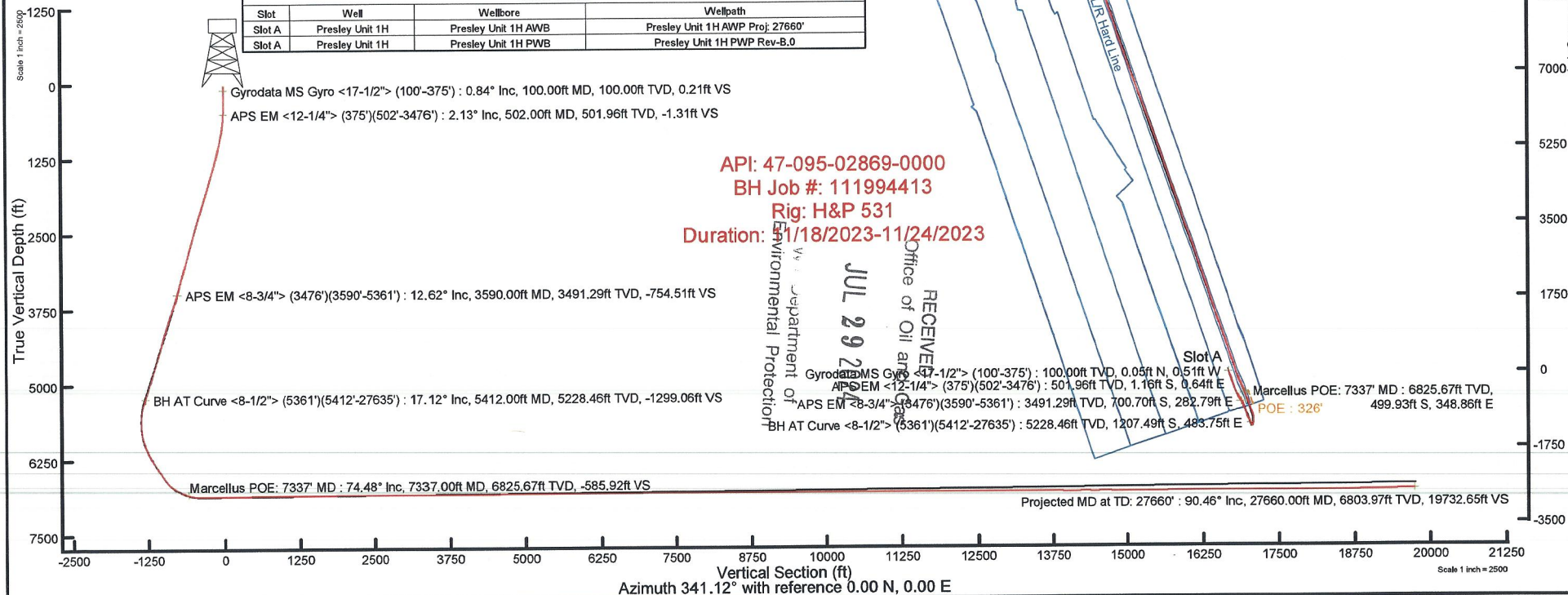
Slot: Slot A  
 Well: Presley Unit 1H  
 Wellbore: Presley Unit 1H.PWB

Plot reference wellpath is Presley Unit 1H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 531 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 531 (RKB)	Scale: True distance
H&P 531 (RKB) to Mean Sea Level: 1280 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot A): -1250 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsanyar on 2023-12-17; Database: WA_MPL_EASTERNUS_Defn

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Big Run Pad	1691442.110	14364002.040	39°33'17.4032"N	80°49'9.3073"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot A	-28.45	9.52	1691451.630	14363973.600	39°33'17.1218"N
Comment	Presley Unit 1H				
H&P 531 (RKB) to Ground level (At Slot: Slot A)					30ft
Mean Sea Level to Ground level (At Slot: Slot A)					-1250ft
H&P 531 (RKB) to Mean Sea Level					1280ft

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3476.00	13.630	154.460	3380.26	-677.86	270.66	0.90	-728.97
Proj. to Bottom	3546.00	13.630	154.460	3448.29	-692.75	277.77	0.00	-745.36
Drill Out	3626.00	13.630	154.460	3526.04	-709.75	285.90	0.00	-764.08
End of 3D Arc	3859.39	18.116	159.227	3750.48	-768.52	310.64	2.00	-827.69
Curve KOP	5432.13	18.116	159.227	5245.26	-1225.76	484.07	0.00	-1316.45
Turn / Avoid No-Go	6378.79	30.000	0.000	6157.53	-1120.66	539.46	5.00	-1234.93
Build/Turn	6603.91	35.000	341.120	6347.83	-1002.91	518.50	5.00	-1116.73
KOP 2	6853.91	35.000	341.120	6552.61	-867.23	472.10	0.00	-973.34
POE	7340.42	73.921	341.117	6830.00	-499.81	346.43	8.00	-585.02
Landing Pt.	7546.41	90.400	341.117	6858.00	-307.40	280.62	8.00	-381.66
BHL	27676.41	90.400	341.117	6717.47	18738.74	-6234.13	0.00	19747.85

Well Data			
Slot	Well	Wellbore	Wellpath
Slot A	Presley Unit 1H	Presley Unit 1H AWB	Presley Unit 1H AWP Proj. 27660'
Slot A	Presley Unit 1H	Presley Unit 1H PWB	Presley Unit 1H PWP Rev-B.0



API: 47-095-02869-0000  
 BH Job #: 111994413  
 Rig: H&P 531  
 Duration: 11/18/2023-11/24/2023

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GRD  
 TRUE  
 MAGNETIC  
 User specified (HDGM) Dip: 66.26° Field: 51553 nT  
 Magnetic North is 7.49 degrees West of True North (at 11/14/2023)  
 Grid North is 0.12 degrees East of True North  
 To correct azimuth from True to Grid subtract 0.12 degrees  
 To correct azimuth from Magnetic to Grid subtract 7.61 degrees

Slot A  
 Gyrodatta MS Gyro <17-1/2"> (100'-375') : 100.00ft TVD, 0.05ft N, 0.51ft W  
 APS EM <12-1/4"> (375')(502'-3476') : 501.96ft TVD, 1.16ft S, 0.64ft E  
 APS EM <8-3/4"> (3476')(3590'-5361') : 3491.29ft TVD, 700.70ft S, 282.79ft E  
 BH AT Curve <8-1/2"> (5361')(5412'-27635') : 5228.46ft TVD, 1207.49ft S, 485.75ft E  
 Marcellus POE: 7337' MD : 6825.67ft TVD, 499.93ft S, 348.86ft E  
 POE : 326°



# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

## 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	12/17/2023 at 1:25:41 AM
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	-28.45	9.52	1691451.63	14363973.60	39°33'17.1218"N	80°49'8.1865"W
Facility Reference Pt			1691442.11	14364002.04	39°33'17.4032"N	80°49'8.3073"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 531 (RKB) to Facility Vertical Datum	1280.00ft
Horizontal Reference Pt	Slot	H&P 531 (RKB) to Mean Sea Level	1280.00ft
Vertical Reference Pt	H&P 531 (RKB)	H&P 531 (RKB) to Ground Level at Slot (Slot A)	30.00ft
MD Reference Pt	H&P 531 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	341.12°

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Presley Unit 1H AWP Proj: 27660'  
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

**WELLPATH DATA (291 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	275.660	0.00	0.00	0.00	0.00	1691451.63	14363973.60	39°33'17.1218"N	80°49'8.1865"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	275.660	30.00	0.00	0.00	0.00	1691451.63	14363973.60	39°33'17.1218"N	80°49'8.1865"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.840	275.660	100.00	0.21	0.05	-0.51	1691451.12	14363973.65	39°33'17.1223"N	80°49'8.1930"W	0.51	275.660	1.20	1.20	0.00	Gyrodata MS Gyro <17-1/2"> (100'-375')
200.00	0.410	311.930	199.99	0.83	0.36	-1.51	1691450.12	14363973.96	39°33'17.1254"N	80°49'8.2057"W	1.55	283.513	0.56	-0.43	36.27	
300.00	0.320	54.480	299.99	1.22	0.76	-1.55	1691450.09	14363974.36	39°33'17.1294"N	80°49'8.2062"W	1.72	296.290	0.57	-0.09	102.55	
375.00	0.410	95.860	374.99	1.17	0.86	-1.11	1691450.52	14363974.46	39°33'17.1303"N	80°49'8.2006"W	1.40	307.747	0.36	0.12	55.17	
502.00	2.130	146.820	501.96	-1.31	-1.16	0.64	1691452.27	14363972.44	39°33'17.1103"N	80°49'8.1784"W	1.33	151.352	1.49	1.35	40.13	APS EM <12-1/4"> (375')(502'-3476')
592.00	5.240	157.200	591.76	-7.03	-6.35	3.14	1691454.77	14363967.25	39°33'17.0589"N	80°49'8.1465"W	7.09	153.669	3.52	3.46	11.53	
682.00	6.570	153.750	681.28	-16.24	-14.76	7.01	1691458.64	14363958.85	39°33'16.9758"N	80°49'8.0973"W	16.34	154.582	1.53	1.48	-3.83	
772.00	8.360	155.760	770.51	-27.86	-25.35	11.98	1691463.60	14363948.26	39°33'16.8711"N	80°49'8.0342"W	28.03	154.704	2.01	1.99	2.23	
861.00	11.360	158.320	858.19	-43.06	-39.39	17.87	1691469.50	14363934.22	39°33'16.7321"N	80°49'7.9593"W	43.26	155.594	3.41	3.37	2.88	
950.00	12.270	157.620	945.30	-61.25	-56.28	24.71	1691476.33	14363917.34	39°33'16.5650"N	80°49'7.8724"W	61.47	156.295	1.04	1.02	-0.79	
1040.00	12.090	156.560	1033.28	-80.19	-73.77	32.10	1691483.72	14363899.86	39°33'16.3920"N	80°49'7.7785"W	80.46	156.483	0.32	-0.20	-1.18	
1134.00	11.780	156.760	1125.24	-99.57	-91.62	39.81	1691491.42	14363882.01	39°33'16.2155"N	80°49'7.6807"W	99.90	156.517	0.33	-0.33	0.21	
1229.00	13.590	162.160	1217.93	-120.40	-111.16	47.05	1691498.66	14363862.48	39°33'16.0222"N	80°49'7.5886"W	120.71	157.058	2.28	1.91	5.68	
1323.00	14.040	162.250	1309.21	-142.85	-132.53	53.91	1691505.52	14363841.12	39°33'15.8109"N	80°49'7.5016"W	143.08	157.864	0.48	0.48	0.10	
1418.00	15.920	163.820	1400.97	-167.38	-156.02	61.06	1691512.66	14363817.64	39°33'15.5786"N	80°49'7.4110"W	167.54	158.628	2.02	1.98	1.65	
1512.00	16.520	164.830	1491.23	-193.60	-181.30	68.15	1691519.75	14363792.37	39°33'15.3286"N	80°49'7.3212"W	193.69	159.400	0.71	0.64	1.07	
1607.00	16.420	164.160	1582.33	-220.49	-207.26	75.35	1691526.95	14363766.43	39°33'15.0719"N	80°49'7.2299"W	220.53	160.022	0.23	-0.11	-0.71	
1701.00	16.290	163.040	1672.53	-246.93	-232.65	82.82	1691534.41	14363741.05	39°33'14.8208"N	80°49'7.1352"W	246.95	160.405	0.36	-0.14	-1.19	
1796.00	16.070	161.430	1763.77	-273.39	-257.86	90.89	1691542.49	14363715.85	39°33'14.5715"N	80°49'7.0327"W	273.41	160.583	0.53	-0.23	-1.69	
1890.00	15.630	159.780	1854.19	-299.06	-282.07	99.41	1691551.00	14363691.64	39°33'14.3321"N	80°49'6.9246"W	299.08	160.586	0.67	-0.47	-1.76	
1984.00	16.400	160.980	1944.55	-324.99	-306.50	108.11	1691559.70	14363667.22	39°33'14.0904"N	80°49'6.8141"W	325.01	160.571	0.89	0.82	1.28	
2078.00	16.320	160.220	2034.74	-351.47	-331.47	116.91	1691568.49	14363642.26	39°33'13.8434"N	80°49'6.7025"W	351.48	160.573	0.24	-0.09	-0.81	
2173.00	16.240	159.360	2125.93	-378.09	-356.46	126.11	1691577.69	14363617.28	39°33'13.5963"N	80°49'6.5857"W	378.11	160.518	0.27	-0.08	-0.91	
2267.00	16.240	156.690	2216.18	-404.34	-380.84	135.94	1691587.52	14363592.92	39°33'13.3552"N	80°49'6.4608"W	404.37	160.356	0.79	0.00	-2.84	
2362.00	15.920	156.140	2307.46	-430.56	-404.95	146.47	1691598.04	14363568.81	39°33'13.1167"N	80°49'6.3270"W	430.63	160.115	0.37	-0.34	-0.58	
2457.00	16.060	156.080	2398.79	-456.63	-428.88	157.07	1691608.63	14363544.89	39°33'12.8800"N	80°49'6.1923"W	456.74	159.886	0.15	0.15	-0.06	
2551.00	15.990	154.430	2489.14	-482.44	-452.44	167.93	1691619.49	14363521.34	39°33'12.6468"N	80°49'6.0543"W	482.60	159.637	0.49	-0.07	-1.76	
2646.00	15.520	153.970	2580.57	-508.05	-475.67	179.15	1691630.71	14363498.12	39°33'12.4171"N	80°49'5.9116"W	508.29	159.362	0.51	-0.49	-0.48	



# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (291 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
2741.00	16.350	154.650	2671.92	-533.94	-499.17	190.45	1691642.01	14363474.63	39°33'12.1846"N	80°49'5.7679"W	534.27	159.116	0.90	0.87	0.72	
2835.00	16.050	154.930	2762.18	-560.01	-522.90	201.62	1691653.17	14363450.91	39°33'11.9498"N	80°49'5.6259"W	560.43	158.914	0.33	-0.32	0.30	
2930.00	15.660	152.960	2853.57	-585.76	-546.22	213.02	1691664.56	14363427.60	39°33'11.7192"N	80°49'5.4810"W	586.28	158.695	0.70	-0.41	-2.07	
3024.00	15.940	158.040	2944.02	-611.21	-569.49	223.61	1691675.15	14363404.34	39°33'11.4890"N	80°49'5.3464"W	611.82	158.562	1.50	0.30	5.40	
3215.00	15.480	158.210	3127.89	-662.85	-617.48	242.88	1691694.42	14363356.37	39°33'11.0143"N	80°49'5.1016"W	663.53	158.528	0.24	-0.24	0.09	
3309.00	15.310	155.730	3218.52	-687.74	-640.44	252.64	1691704.17	14363333.41	39°33'10.7871"N	80°49'4.9776"W	688.47	158.472	0.72	-0.18	-2.64	
3404.00	14.220	153.340	3310.38	-711.78	-662.30	263.03	1691714.56	14363311.56	39°33'10.5709"N	80°49'4.8455"W	712.62	158.340	1.31	-1.15	-2.52	
3476.00	13.630	154.460	3380.26	-728.97	-677.86	270.66	1691722.18	14363296.01	39°33'10.4169"N	80°49'4.7486"W	729.90	158.234	0.90	-0.82	1.56	
3590.00	12.620	149.410	3491.29	-754.51	-700.70	282.79	1691734.30	14363273.18	39°33'10.1909"N	80°49'4.5943"W	755.61	158.022	1.34	-0.89	-4.43	APS EM <8-3/4"> (3476')(3590'-5361')
3684.00	14.620	151.650	3582.64	-776.27	-719.98	293.65	1691745.16	14363253.90	39°33'10.0002"N	80°49'4.4562"W	777.56	157.812	2.20	2.13	2.38	
3779.00	18.970	161.260	3673.58	-803.55	-745.18	304.31	1691755.82	14363228.72	39°33'9.7510"N	80°49'4.3207"W	804.92	157.786	5.42	4.58	10.12	
3873.00	20.700	165.680	3762.01	-835.40	-775.75	313.33	1691764.83	14363198.16	39°33'9.4487"N	80°49'4.2064"W	836.63	158.006	2.43	1.84	4.70	
3967.00	19.690	162.660	3850.23	-867.79	-806.96	322.16	1691773.66	14363166.96	39°33'9.1400"N	80°49'4.0945"W	868.89	158.237	1.54	-1.07	-3.21	
4061.00	18.620	160.860	3939.02	-898.63	-836.25	331.80	1691783.29	14363137.68	39°33'8.8503"N	80°49'3.9721"W	899.67	158.359	1.30	-1.14	-1.91	
4156.00	17.040	157.050	4029.46	-927.68	-863.40	342.20	1691793.69	14363110.54	39°33'8.5818"N	80°49'3.8401"W	928.74	158.380	2.07	-1.66	-4.01	
4250.00	18.080	158.940	4119.08	-956.00	-889.70	352.81	1691804.30	14363084.26	39°33'8.3217"N	80°49'3.7053"W	957.10	158.369	1.26	1.11	2.01	
4345.00	17.290	158.580	4209.59	-984.83	-916.60	363.26	1691814.75	14363057.37	39°33'8.0556"N	80°49'3.5725"W	985.96	158.381	0.84	-0.83	-0.38	
4439.00	15.580	156.290	4299.75	-1011.37	-941.16	373.44	1691824.92	14363032.81	39°33'7.8126"N	80°49'3.4432"W	1012.54	158.357	1.95	-1.82	-2.44	
4533.00	13.520	158.710	4390.73	-1034.93	-962.96	382.51	1691833.99	14363011.02	39°33'7.5970"N	80°49'3.3280"W	1036.15	158.336	2.28	-2.19	2.57	
4627.00	17.570	164.370	4481.28	-1060.08	-986.87	390.32	1691841.80	14362987.12	39°33'7.3605"N	80°49'3.2289"W	1061.26	158.420	4.60	4.31	6.02	
4722.00	17.630	167.390	4571.83	-1088.70	-1014.72	397.33	1691848.80	14362959.28	39°33'7.0851"N	80°49'3.1402"W	1089.74	158.616	0.96	0.06	3.18	
4816.00	18.630	161.380	4661.17	-1117.86	-1042.84	405.23	1691856.70	14362931.17	39°33'6.8070"N	80°49'3.0400"W	1118.81	158.765	2.25	1.06	-6.39	
4911.00	18.880	156.750	4751.13	-1148.37	-1071.35	416.14	1691867.61	14362902.68	39°33'6.5251"N	80°49'2.9014"W	1149.33	158.772	1.59	0.26	-4.87	
5005.00	16.730	151.140	4840.63	-1176.86	-1097.18	428.68	1691880.14	14362876.86	39°33'6.2696"N	80°49'2.7421"W	1177.95	158.659	2.92	-2.29	-5.97	
5099.00	17.080	152.500	4930.57	-1203.83	-1121.27	441.58	1691893.04	14362852.78	39°33'6.0312"N	80°49'2.5779"W	1205.09	158.504	0.56	0.37	1.45	
5193.00	18.230	151.220	5020.14	-1231.97	-1146.40	455.04	1691906.49	14362827.66	39°33'5.7825"N	80°49'2.4069"W	1233.41	158.351	1.29	1.22	-1.36	
5287.00	17.750	154.290	5109.55	-1260.68	-1172.20	468.33	1691919.78	14362801.87	39°33'5.5273"N	80°49'2.2378"W	1262.29	158.222	1.13	-0.51	3.27	
5361.00	18.420	158.470	5179.89	-1283.56	-1193.24	477.52	1691928.96	14362780.84	39°33'5.3192"N	80°49'2.1211"W	1285.24	158.189	1.97	0.91	5.65	
5412.00	17.120	154.090	5228.46	-1299.06	-1207.49	483.75	1691935.19	14362766.59	39°33'5.1782"N	80°49'2.0418"W	1300.79	158.168	3.65	-2.55	-8.59	BH AT Curve <8-1/2"> (5361')(5412'-27635')
5506.00	17.020	159.380	5318.33	-1326.54	-1232.81	494.65	1691946.08	14362741.28	39°33'4.9278"N	80°49'1.9034"W	1328.34	158.138	1.65	-0.11	5.63	

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Presley Unit 1H AWP Proj: 27660'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWP
Slot	Slot A		

## WELLPATH DATA (291 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
5601.00	11.840	151.180	5410.31	-1350.06	-1254.38	504.25	1691955.68	14362719.72	39°33'4.7144"N	80°49'1.7814"W	1351.94	158.100	5.85	-5.45	-8.63	
5696.00	7.840	135.380	5503.91	-1365.50	-1267.54	513.50	1691964.93	14362706.57	39°33'4.5842"N	80°49'1.6636"W	1367.60	157.946	5.04	-4.21	-16.63	
5790.00	7.070	85.740	5597.20	-1372.75	-1271.67	523.79	1691975.21	14362702.43	39°33'4.5431"N	80°49'1.5325"W	1375.32	157.614	6.68	-0.82	-52.81	
5884.00	7.140	24.350	5690.61	-1369.95	-1265.92	531.97	1691983.39	14362708.19	39°33'4.5998"N	80°49'1.4278"W	1373.15	157.206	7.70	0.07	-65.31	
5979.00	11.000	18.900	5784.40	-1358.48	-1251.96	537.35	1691988.76	14362722.14	39°33'4.7377"N	80°49'1.3588"W	1362.40	156.771	4.16	4.06	-5.74	
6074.00	16.670	13.670	5876.61	-1339.81	-1230.12	543.51	1691994.92	14362743.97	39°33'4.9533"N	80°49'1.2796"W	1344.84	156.163	6.11	5.97	-5.51	
6169.00	19.960	7.560	5966.80	-1313.80	-1200.80	548.86	1692000.27	14362773.28	39°33'5.2430"N	80°49'1.2105"W	1320.29	155.436	4.01	3.46	-6.43	
6263.00	22.300	2.690	6054.48	-1282.84	-1167.07	551.81	1692003.22	14362806.99	39°33'5.5763"N	80°49'1.1720"W	1290.95	154.694	3.11	2.49	-5.18	
6358.00	26.730	2.600	6140.89	-1246.18	-1127.70	553.63	1692005.04	14362846.35	39°33'5.9654"N	80°49'1.1478"W	1256.27	153.852	4.66	4.66	-0.09	
6452.00	33.250	354.900	6222.29	-1201.41	-1080.85	552.29	1692003.70	14362893.18	39°33'6.4284"N	80°49'1.1636"W	1213.78	152.934	8.04	6.94	-8.19	
6547.00	35.010	341.490	6301.04	-1148.79	-1028.99	541.31	1691992.72	14362945.02	39°33'6.9412"N	80°49'1.3024"W	1162.68	152.253	8.12	1.85	-14.12	
6642.00	35.140	339.710	6378.79	-1094.21	-977.50	523.18	1691974.60	14362996.49	39°33'7.4504"N	80°49'1.5326"W	1108.70	151.844	1.09	0.14	-1.87	
6736.00	35.150	339.640	6455.65	-1040.11	-926.76	504.38	1691955.81	14363047.21	39°33'7.9523"N	80°49'1.7712"W	1055.12	151.443	0.04	0.01	-0.07	
6831.00	35.190	339.570	6533.31	-985.41	-875.47	485.31	1691936.75	14363098.48	39°33'8.4596"N	80°49'2.0133"W	1000.99	150.998	0.06	0.04	-0.07	
6834.00†	35.335	339.581	6535.76	-983.68	-873.85	484.71	1691936.14	14363100.10	39°33'8.4757"N	80°49'2.0210"W	999.28	150.984	4.83	4.83	0.36	Sycamore: 6834' MD
6925.00	39.730	339.880	6607.91	-928.27	-821.85	465.51	1691916.96	14363152.07	39°33'8.9899"N	80°49'2.2647"W	944.53	150.472	4.83	4.83	0.33	
6977.00†	44.207	339.851	6646.56	-893.51	-789.21	453.55	1691905.00	14363184.70	39°33'9.3128"N	80°49'2.4166"W	910.25	150.115	8.61	8.61	-0.06	Middlesex: 6977' MD
7020.00	47.910	339.830	6676.39	-862.56	-760.15	442.88	1691894.33	14363213.75	39°33'9.6002"N	80°49'2.5521"W	879.76	149.774	8.61	8.61	-0.05	
7115.00	57.590	339.890	6733.83	-787.05	-689.24	416.87	1691868.34	14363284.63	39°33'10.3016"N	80°49'2.8822"W	805.50	148.833	10.19	10.19	0.06	
7128.00†	58.387	339.862	6740.72	-776.03	-678.89	413.08	1691864.55	14363294.98	39°33'10.4039"N	80°49'2.9304"W	794.69	148.681	6.13	6.13	-0.21	Burkett: 7128' MD
7165.00†	60.654	339.786	6759.49	-744.16	-648.96	402.08	1691853.55	14363324.90	39°33'10.6999"N	80°49'3.0700"W	763.43	148.218	6.13	6.13	-0.21	Tully: 7165' MD
7209.00	63.350	339.700	6780.14	-705.32	-612.52	388.63	1691840.11	14363361.33	39°33'11.0604"N	80°49'3.2408"W	725.41	147.605	6.13	6.13	-0.20	
7304.00	72.040	341.010	6816.16	-617.52	-529.81	359.14	1691810.63	14363444.00	39°33'11.8784"N	80°49'3.6151"W	640.07	145.868	9.24	9.15	1.38	
7337.00†	74.482	340.999	6825.67	-585.92	-499.93	348.86	1691800.35	14363473.86	39°33'12.1739"N	80°49'3.7456"W	609.62	145.092	7.40	7.40	-0.03	Marcellus POE: 7337' MD
7399.00	79.070	340.980	6839.84	-525.58	-442.89	329.20	1691780.70	14363530.89	39°33'12.7381"N	80°49'3.9951"W	551.84	143.376	7.40	7.40	-0.03	
7493.00	87.660	340.880	6850.70	-432.30	-354.72	298.72	1691750.24	14363619.02	39°33'13.6100"N	80°49'4.3819"W	463.75	139.898	9.14	9.14	-0.11	
7588.00	90.280	341.320	6852.40	-337.32	-264.87	267.96	1691719.48	14363708.84	39°33'14.4987"N	80°49'4.7723"W	376.77	134.667	2.80	2.76	0.46	
7682.00	90.370	340.930	6851.87	-243.33	-175.92	237.55	1691689.09	14363797.75	39°33'15.3784"N	80°49'5.1583"W	295.60	126.522	0.43	0.10	-0.41	
7777.00	90.030	340.760	6851.54	-148.33	-86.18	206.38	1691657.93	14363887.45	39°33'16.2659"N	80°49'5.5539"W	223.65	112.665	0.40	-0.36	-0.18	
7871.00	90.460	341.210	6851.14	-54.33	2.69	175.75	1691627.31	14363976.28	39°33'17.1449"N	80°49'5.9426"W	175.77	89.124	0.66	0.46	0.48	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

## WELLPATH DATA (291 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
7966.00	90.460	341.390	6850.37	40.67	92.67	145.30	1691596.87	14364066.23	39°33'18.0348"N	80°49'6.3291"W	172.33	57.471	0.19	0.00	0.19	
8061.00	90.400	341.160	6849.66	135.66	182.64	114.80	1691566.38	14364156.16	39°33'18.9246"N	80°49'6.7162"W	215.72	32.152	0.25	-0.06	-0.24	
8155.00	90.150	340.840	6849.21	229.66	271.51	84.20	1691535.79	14364245.01	39°33'19.8036"N	80°49'7.1046"W	284.27	17.229	0.43	-0.27	-0.34	
8249.00	90.680	341.370	6848.53	323.66	360.45	53.76	1691505.37	14364333.90	39°33'20.6831"N	80°49'7.4909"W	364.43	8.483	0.80	0.56	0.56	
8438.00	90.250	341.060	6847.00	512.65	539.37	-7.10	1691444.53	14364512.76	39°33'22.4527"N	80°49'8.2633"W	539.42	359.246	0.28	-0.23	-0.16	
8533.00	90.430	341.340	6846.43	607.65	629.30	-37.72	1691413.93	14364602.65	39°33'23.3421"N	80°49'8.6518"W	630.43	356.570	0.35	0.19	0.29	
8628.00	90.400	341.200	6845.74	702.65	719.27	-68.22	1691383.44	14364692.58	39°33'24.2319"N	80°49'9.0390"W	722.50	354.582	0.15	-0.03	-0.15	
8722.00	90.490	341.760	6845.01	796.64	808.40	-98.08	1691353.59	14364781.68	39°33'25.1134"N	80°49'9.4179"W	814.33	353.082	0.60	0.10	0.60	
8816.00	90.520	341.350	6844.18	890.64	897.57	-127.82	1691323.86	14364870.81	39°33'25.9952"N	80°49'9.7953"W	906.62	351.895	0.44	0.03	-0.44	
8911.00	90.370	340.970	6843.45	985.63	987.47	-158.49	1691293.20	14364960.68	39°33'26.8844"N	80°49'10.1847"W	1000.11	350.881	0.43	-0.16	-0.40	
9005.00	90.060	340.950	6843.09	1079.63	1076.33	-189.16	1691262.55	14365049.50	39°33'27.7632"N	80°49'10.5739"W	1092.82	350.032	0.33	-0.33	-0.02	
9100.00	90.280	340.980	6842.81	1174.63	1166.13	-220.14	1691231.57	14365139.27	39°33'28.6514"N	80°49'10.9672"W	1186.73	349.309	0.23	0.23	0.03	
9195.00	90.400	341.520	6842.25	1269.63	1256.09	-250.68	1691201.05	14365229.19	39°33'29.5410"N	80°49'11.3547"W	1280.86	348.714	0.58	0.13	0.57	
9289.00	90.490	341.660	6841.52	1363.62	1345.28	-280.37	1691171.38	14365318.34	39°33'30.4231"N	80°49'11.7315"W	1374.18	348.228	0.18	0.10	0.15	
9384.00	90.280	341.230	6840.88	1458.62	1435.34	-310.59	1691141.16	14365408.36	39°33'31.3137"N	80°49'12.1151"W	1468.56	347.790	0.50	-0.22	-0.45	
9478.00	90.250	341.390	6840.45	1552.62	1524.38	-340.72	1691111.05	14365497.37	39°33'32.1944"N	80°49'12.4974"W	1561.99	347.401	0.17	-0.03	0.17	
9572.00	90.340	341.430	6839.96	1646.61	1613.47	-370.68	1691081.09	14365586.43	39°33'33.0755"N	80°49'12.8777"W	1655.51	347.061	0.10	0.10	0.04	
9666.00	90.030	341.510	6839.66	1740.61	1702.60	-400.56	1691051.23	14365675.52	39°33'33.9569"N	80°49'13.2569"W	1749.08	346.761	0.34	-0.33	0.09	
9760.00	90.400	341.400	6839.31	1834.61	1791.72	-430.45	1691021.35	14365764.60	39°33'34.8383"N	80°49'13.6363"W	1842.70	346.491	0.41	0.39	-0.12	
9854.00	90.250	341.440	6838.77	1928.61	1880.82	-460.40	1690991.41	14365853.67	39°33'35.7195"N	80°49'14.0164"W	1936.35	346.245	0.17	-0.16	0.04	
9949.00	90.220	340.300	6838.38	2023.60	1970.57	-491.53	1690960.29	14365943.38	39°33'36.6071"N	80°49'14.4116"W	2030.95	345.994	1.20	-0.03	-1.20	
10043.00	90.150	341.670	6838.08	2117.60	2059.44	-522.16	1690929.68	14366032.21	39°33'37.4860"N	80°49'14.8004"W	2124.60	345.773	1.46	-0.07	1.46	
10138.00	90.250	341.410	6837.75	2212.60	2149.55	-552.24	1690899.61	14366122.29	39°33'38.3772"N	80°49'15.1822"W	2219.35	345.592	0.29	0.11	-0.27	
10232.00	90.340	341.400	6837.26	2306.59	2238.64	-582.22	1690869.65	14366211.35	39°33'39.2583"N	80°49'15.5626"W	2313.11	345.422	0.10	0.10	-0.01	
10326.00	90.310	341.690	6836.73	2400.59	2327.80	-611.97	1690839.90	14366300.47	39°33'40.1402"N	80°49'15.9403"W	2406.90	345.270	0.31	-0.03	0.31	
10421.00	90.400	341.260	6836.14	2495.59	2417.88	-642.15	1690809.73	14366390.51	39°33'41.0310"N	80°49'16.3234"W	2501.70	345.126	0.46	0.09	-0.45	
10516.00	90.400	341.630	6835.48	2590.58	2507.94	-672.38	1690779.51	14366480.54	39°33'41.9217"N	80°49'16.7070"W	2596.51	344.992	0.39	0.00	0.39	
10705.00	90.250	341.360	6834.41	2779.57	2687.16	-732.37	1690719.55	14366569.69	39°33'43.6942"N	80°49'17.4684"W	2785.18	344.755	0.16	-0.08	-0.14	
10800.00	90.280	341.590	6833.97	2874.57	2777.24	-762.55	1690689.38	14366749.73	39°33'44.5850"N	80°49'17.8515"W	2880.03	344.647	0.24	0.03	0.24	
10894.00	90.280	341.560	6833.51	2968.57	2866.42	-792.26	1690659.68	14366838.88	39°33'45.4670"N	80°49'18.2286"W	2973.89	344.550	0.03	0.00	-0.03	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (291 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
10988.00	90.250	341.940	6833.07	3062.56	2955.69	-821.70	1690630.26	14366928.11	39°33'46.3498"N	80°49'18.6022"W	3067.78	344.464	0.41	-0.03	0.40	
11083.00	90.090	341.730	6832.79	3157.55	3045.96	-851.32	1690600.65	14367018.34	39°33'47.2425"N	80°49'18.9780"W	3162.69	344.385	0.28	-0.17	-0.22	
11177.00	90.120	341.610	6832.62	3251.55	3135.19	-880.88	1690571.10	14367107.54	39°33'48.1250"N	80°49'19.3532"W	3256.58	344.307	0.13	0.03	-0.13	
11271.00	90.060	341.620	6832.47	3345.54	3224.39	-910.52	1690541.47	14367196.70	39°33'49.0072"N	80°49'19.7295"W	3350.48	344.231	0.06	-0.06	0.01	
11366.00	89.940	340.500	6832.47	3440.54	3314.24	-941.36	1690510.65	14367286.52	39°33'49.8958"N	80°49'20.1210"W	3445.34	344.144	1.19	-0.13	-1.18	
11460.00	90.220	341.670	6832.34	3534.54	3403.17	-971.83	1690480.19	14367375.41	39°33'50.7753"N	80°49'20.5078"W	3539.21	344.062	1.28	0.30	1.24	
11555.00	89.750	341.350	6832.36	3629.54	3493.26	-1001.96	1690450.07	14367465.47	39°33'51.6663"N	80°49'20.8902"W	3634.12	343.996	0.60	-0.49	-0.34	
11650.00	90.060	340.730	6832.52	3724.54	3583.11	-1032.82	1690419.22	14367555.28	39°33'52.5548"N	80°49'21.2821"W	3728.99	343.920	0.73	0.33	-0.65	
11744.00	89.970	341.760	6832.50	3818.54	3672.11	-1063.05	1690389.01	14367644.25	39°33'53.4351"N	80°49'21.6657"W	3822.89	343.855	1.10	-0.10	1.10	
11839.00	90.060	341.610	6832.47	3913.53	3762.30	-1092.90	1690359.17	14367734.40	39°33'54.3270"N	80°49'22.0446"W	3917.82	343.802	0.18	0.09	-0.16	
11933.00	90.340	341.770	6832.14	4007.53	3851.54	-1122.43	1690329.65	14367823.60	39°33'55.2096"N	80°49'22.4195"W	4011.76	343.753	0.34	0.30	0.17	
12028.00	89.690	342.050	6832.12	4102.52	3941.85	-1151.93	1690300.16	14367913.87	39°33'56.1027"N	80°49'22.7939"W	4106.71	343.710	0.74	-0.68	0.29	
12122.00	90.250	341.670	6832.17	4196.51	4031.17	-1181.19	1690270.91	14368003.16	39°33'56.9861"N	80°49'23.1653"W	4200.66	343.669	0.72	0.60	-0.40	
12217.00	90.310	341.650	6831.70	4291.50	4121.35	-1211.09	1690241.03	14368093.30	39°33'57.8779"N	80°49'23.5447"W	4295.61	343.624	0.07	0.06	-0.02	
12311.00	90.340	341.710	6831.17	4385.50	4210.58	-1240.63	1690211.49	14368182.50	39°33'58.7604"N	80°49'23.9197"W	4389.55	343.583	0.07	0.03	0.06	
12405.00	89.940	341.720	6830.94	4479.49	4299.83	-1270.12	1690182.01	14368271.72	39°33'59.6430"N	80°49'24.2941"W	4483.50	343.543	0.43	-0.43	0.01	
12500.00	90.220	341.680	6830.81	4574.49	4390.03	-1299.95	1690152.20	14368361.88	39°34'0.5350"N	80°49'24.6727"W	4578.45	343.505	0.30	0.29	-0.04	
12594.00	90.090	341.450	6830.55	4668.48	4479.20	-1329.68	1690122.48	14368451.02	39°34'1.4170"N	80°49'25.0500"W	4672.40	343.466	0.28	-0.14	-0.24	
12689.00	90.090	340.860	6830.41	4763.48	4569.11	-1360.36	1690091.81	14368540.89	39°34'2.3061"N	80°49'25.4396"W	4767.32	343.420	0.62	0.00	-0.62	
12783.00	90.340	341.870	6830.05	4857.48	4658.18	-1390.40	1690061.78	14368629.92	39°34'3.1870"N	80°49'25.8209"W	4861.26	343.380	1.11	0.27	1.07	
12878.00	90.150	341.580	6829.65	4952.47	4748.39	-1420.19	1690032.01	14368720.09	39°34'4.0791"N	80°49'26.1991"W	4956.22	343.349	0.36	-0.20	-0.31	
12972.00	89.880	341.210	6829.62	5046.47	4837.48	-1450.18	1690002.03	14368809.15	39°34'4.9602"N	80°49'26.5798"W	5050.17	343.312	0.49	-0.29	-0.39	
13067.00	90.400	341.650	6829.39	5141.47	4927.53	-1480.43	1689971.79	14368899.16	39°34'5.8508"N	80°49'26.9638"W	5145.12	343.278	0.72	0.55	0.46	
13162.00	90.340	341.660	6828.78	5236.46	5017.70	-1510.33	1689941.90	14368989.30	39°34'6.7425"N	80°49'27.3434"W	5240.08	343.248	0.06	-0.06	0.01	
13256.00	90.220	341.650	6828.32	5330.46	5106.92	-1539.92	1689912.33	14369078.48	39°34'7.6249"N	80°49'27.7189"W	5334.04	343.220	0.13	-0.13	-0.01	
13350.00	90.250	341.570	6827.93	5424.45	5196.12	-1569.57	1689882.68	14369167.65	39°34'8.5070"N	80°49'28.0954"W	5428.00	343.192	0.09	0.03	-0.09	
13445.00	90.250	341.820	6827.52	5519.45	5286.31	-1599.41	1689852.86	14369257.80	39°34'9.3990"N	80°49'28.4741"W	5522.97	343.166	0.26	0.00	0.26	
13540.00	90.280	341.670	6827.08	5614.44	5376.53	-1629.17	1689823.11	14369347.98	39°34'10.2912"N	80°49'28.8519"W	5617.94	343.142	0.16	0.03	-0.16	
13634.00	90.650	339.840	6826.31	5708.43	5465.27	-1660.15	1689792.14	14369436.69	39°34'11.1689"N	80°49'29.2453"W	5711.85	343.103	1.99	0.39	-1.95	
13729.00	90.490	339.500	6825.37	5803.40	5554.35	-1693.15	1689759.15	14369525.73	39°34'12.0499"N	80°49'29.6645"W	5806.68	343.047	0.40	-0.17	-0.36	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (291 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
13824.00	90.060	339.600	6824.91	5898.36	5643.36	-1726.34	1689725.97	14369614.71	39°34'12.9302"N	80°49'30.0862"W	5901.51	342.991	0.46	-0.45	0.11	
13918.00	90.220	339.740	6824.68	5992.33	5731.50	-1759.00	1689693.33	14369702.82	39°34'13.8020"N	80°49'30.5010"W	5995.35	342.939	0.23	0.17	0.15	
14013.00	90.280	339.620	6824.27	6087.30	5820.59	-1791.99	1689660.35	14369791.87	39°34'14.6831"N	80°49'30.9200"W	6090.20	342.888	0.14	0.06	-0.13	
14107.00	90.030	339.970	6824.01	6181.27	5908.81	-1824.46	1689627.90	14369880.05	39°34'15.5556"N	80°49'31.3324"W	6184.06	342.841	0.46	-0.27	0.37	
14202.00	90.310	338.770	6823.73	6276.23	5997.71	-1857.93	1689594.44	14369968.92	39°34'16.4349"N	80°49'31.7576"W	6278.89	342.788	1.30	0.29	-1.26	
14296.00	90.400	340.270	6823.15	6370.19	6085.77	-1890.82	1689561.57	14370056.94	39°34'17.3058"N	80°49'32.1754"W	6372.73	342.740	1.60	0.10	1.60	
14391.00	90.030	339.710	6822.79	6465.17	6175.03	-1923.32	1689529.07	14370146.17	39°34'18.1886"N	80°49'32.5883"W	6467.62	342.700	0.71	-0.39	-0.59	
14485.00	90.000	339.600	6822.77	6559.14	6263.17	-1956.00	1689496.41	14370234.27	39°34'19.0603"N	80°49'33.0035"W	6561.49	342.656	0.12	-0.03	-0.12	
14580.00	89.970	339.550	6822.79	6654.10	6352.19	-1989.16	1689463.27	14370323.26	39°34'19.9408"N	80°49'33.4246"W	6656.36	342.612	0.06	-0.03	-0.05	
14674.00	90.120	339.400	6822.72	6748.06	6440.23	-2022.11	1689430.32	14370411.26	39°34'20.8115"N	80°49'33.8433"W	6750.22	342.569	0.23	0.16	-0.16	
14769.00	90.090	339.670	6822.55	6843.03	6529.23	-2055.33	1689397.12	14370500.22	39°34'21.6918"N	80°49'34.2653"W	6845.09	342.527	0.29	-0.03	0.28	
14863.00	90.030	339.420	6822.45	6936.99	6617.30	-2088.18	1689364.28	14370588.26	39°34'22.5628"N	80°49'34.6826"W	6938.96	342.486	0.27	-0.06	-0.27	
14958.00	90.000	339.590	6822.42	7031.95	6706.29	-2121.44	1689331.03	14370677.21	39°34'23.4430"N	80°49'35.1052"W	7033.84	342.446	0.18	-0.03	0.18	
15052.00	90.650	339.420	6821.89	7125.91	6794.34	-2154.35	1689298.14	14370765.23	39°34'24.3138"N	80°49'35.5233"W	7127.71	342.407	0.71	0.69	-0.18	
15147.00	90.370	339.400	6821.04	7220.87	6883.27	-2187.76	1689264.74	14370854.12	39°34'25.1933"N	80°49'35.9477"W	7222.58	342.368	0.30	-0.29	-0.02	
15242.00	90.120	339.590	6820.64	7315.83	6972.25	-2221.04	1689231.48	14370943.06	39°34'26.0734"N	80°49'36.3705"W	7317.46	342.331	0.33	-0.26	0.20	
15336.00	90.460	339.550	6820.16	7409.79	7060.33	-2253.85	1689198.68	14371031.11	39°34'26.9446"N	80°49'36.7874"W	7411.35	342.296	0.36	0.36	-0.04	
15431.00	90.150	339.380	6819.66	7504.75	7149.29	-2287.17	1689165.37	14371120.04	39°34'27.8244"N	80°49'37.2107"W	7506.24	342.260	0.37	-0.33	-0.18	
15525.00	90.000	339.190	6819.53	7598.70	7237.22	-2320.42	1689132.13	14371207.93	39°34'28.6940"N	80°49'37.6332"W	7600.11	342.223	0.26	-0.16	-0.20	
15620.00	90.060	340.960	6819.48	7693.68	7326.53	-2352.80	1689099.77	14371297.20	39°34'29.5773"N	80°49'38.0444"W	7695.04	342.196	1.86	0.06	1.86	
15809.00	90.580	341.630	6818.43	7882.68	7505.54	-2413.41	1689039.19	14371476.14	39°34'31.3477"N	80°49'38.8140"W	7884.01	342.175	0.45	0.28	0.35	
15903.00	90.090	341.420	6817.88	7976.67	7594.69	-2443.19	1689009.41	14371565.26	39°34'32.2294"N	80°49'39.1923"W	7978.00	342.167	0.57	-0.52	-0.22	
15997.00	89.970	340.830	6817.83	8070.67	7683.64	-2473.60	1688979.01	14371654.17	39°34'33.1090"N	80°49'39.5784"W	8071.99	342.155	0.64	-0.13	-0.63	
16092.00	89.910	341.040	6817.93	8165.67	7773.43	-2504.63	1688948.00	14371743.93	39°34'33.9970"N	80°49'39.9725"W	8166.97	342.141	0.23	-0.06	0.22	
16186.00	89.230	341.290	6818.63	8259.67	7862.39	-2534.98	1688917.66	14371832.85	39°34'34.8768"N	80°49'40.3579"W	8260.95	342.130	0.77	-0.72	0.27	
16281.00	90.520	342.020	6818.84	8354.66	7952.56	-2564.88	1688887.77	14371922.99	39°34'35.7685"N	80°49'40.7375"W	8355.94	342.124	1.56	1.36	0.77	
16375.00	90.030	341.930	6818.39	8448.65	8041.95	-2593.97	1688858.70	14372012.34	39°34'36.6525"N	80°49'41.1068"W	8449.94	342.123	0.53	-0.52	-0.10	
16470.00	90.310	342.030	6818.11	8543.64	8132.28	-2623.35	1688829.32	14372102.64	39°34'37.5459"N	80°49'41.4799"W	8544.94	342.121	0.31	0.29	0.11	
16564.00	89.820	342.030	6818.00	8637.63	8221.70	-2652.35	1688800.33	14372192.02	39°34'38.4301"N	80°49'41.8481"W	8638.94	342.120	0.52	-0.52	0.00	
16659.00	89.690	341.430	6818.41	8732.62	8311.91	-2682.14	1688770.56	14372282.19	39°34'39.3223"N	80°49'42.2262"W	8733.94	342.116	0.65	-0.14	-0.63	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (291 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
16753.00	89.820	341.500	6818.81	8826.62	8401.03	-2712.02	1688740.70	14372371.28	39°34'40.2037"N	80°49'42.6056"W	8827.93	342.109	0.16	0.14	0.07	
16847.00	90.120	342.190	6818.86	8920.61	8490.35	-2741.31	1688711.42	14372460.56	39°34'41.0870"N	80°49'42.9775"W	8921.93	342.106	0.80	0.32	0.73	
16942.00	90.340	343.020	6818.48	9015.57	8581.01	-2769.71	1688683.03	14372551.18	39°34'41.9835"N	80°49'43.3380"W	9016.92	342.111	0.90	0.23	0.87	
17036.00	89.820	342.140	6818.35	9109.54	8670.69	-2797.85	1688654.90	14372640.83	39°34'42.8704"N	80°49'43.6952"W	9110.92	342.116	1.09	-0.55	-0.94	
17130.00	89.910	342.300	6818.57	9203.53	8760.20	-2826.55	1688626.21	14372730.31	39°34'43.7556"N	80°49'44.0596"W	9204.92	342.117	0.20	0.10	0.17	
17224.00	89.820	341.860	6818.79	9297.51	8849.64	-2855.47	1688597.30	14372819.71	39°34'44.6401"N	80°49'44.4268"W	9298.92	342.117	0.48	-0.10	-0.47	
17318.00	90.090	342.330	6818.86	9391.50	8939.09	-2884.37	1688568.41	14372909.12	39°34'45.5246"N	80°49'44.7937"W	9392.92	342.117	0.58	0.29	0.50	
17412.00	89.780	342.120	6818.97	9485.48	9028.60	-2913.07	1688539.72	14372998.60	39°34'46.4098"N	80°49'45.1581"W	9486.92	342.118	0.40	-0.33	-0.22	
17507.00	89.630	341.630	6819.46	9580.47	9118.89	-2942.62	1688510.18	14373088.85	39°34'47.3027"N	80°49'45.5333"W	9581.92	342.115	0.54	-0.16	-0.52	
17601.00	89.880	341.540	6819.86	9674.47	9208.07	-2972.32	1688480.50	14373178.00	39°34'48.1847"N	80°49'45.9104"W	9675.91	342.110	0.28	0.27	-0.10	
17695.00	89.750	341.290	6820.16	9768.46	9297.17	-3002.28	1688450.55	14373267.06	39°34'49.0658"N	80°49'46.2908"W	9769.90	342.104	0.30	-0.14	-0.27	
17789.00	90.030	341.940	6820.35	9862.46	9386.37	-3031.92	1688420.92	14373356.23	39°34'49.9480"N	80°49'46.6673"W	9863.90	342.099	0.75	0.30	0.69	
17884.00	89.720	341.510	6820.55	9957.45	9476.58	-3061.71	1688391.14	14373446.40	39°34'50.8401"N	80°49'47.0456"W	9958.90	342.095	0.56	-0.33	-0.45	
17978.00	89.780	341.540	6820.96	10051.45	9565.73	-3091.50	1688361.36	14373535.52	39°34'51.7218"N	80°49'47.4239"W	10052.89	342.090	0.07	0.06	0.03	
18072.00	89.780	341.480	6821.32	10145.45	9654.88	-3121.31	1688331.56	14373624.63	39°34'52.6034"N	80°49'47.8024"W	10146.89	342.085	0.06	0.00	-0.06	
18166.00	90.030	341.470	6821.48	10239.45	9744.01	-3151.18	1688301.71	14373713.72	39°34'53.4848"N	80°49'48.1817"W	10240.88	342.079	0.27	0.27	-0.01	
18261.00	90.550	341.870	6821.48	10334.44	9834.19	-3181.05	1688271.85	14373803.86	39°34'54.3766"N	80°49'48.5611"W	10335.88	342.075	0.69	0.55	0.42	
18355.00	89.940	341.560	6820.60	10428.43	9923.44	-3210.54	1688242.37	14373893.08	39°34'55.2593"N	80°49'48.9356"W	10429.87	342.072	0.73	-0.65	-0.33	
18450.00	89.850	341.560	6820.77	10523.43	10013.56	-3240.59	1688212.33	14373983.17	39°34'56.1505"N	80°49'49.3172"W	10524.87	342.067	0.09	-0.09	0.00	
18544.00	90.090	341.610	6820.82	10617.43	10102.75	-3270.29	1688182.65	14374072.32	39°34'57.0325"N	80°49'49.6943"W	10618.87	342.063	0.26	0.26	0.05	
18638.00	89.940	341.440	6820.80	10711.42	10191.90	-3300.08	1688152.87	14374161.44	39°34'57.9142"N	80°49'50.0726"W	10712.86	342.058	0.24	-0.16	-0.18	
18732.00	90.280	341.170	6820.61	10805.42	10280.94	-3330.20	1688122.75	14374250.44	39°34'58.7948"N	80°49'50.4553"W	10806.85	342.052	0.46	0.36	-0.29	
18826.00	90.150	340.990	6820.26	10899.42	10369.86	-3360.68	1688092.29	14374339.33	39°34'59.6742"N	80°49'50.8424"W	10900.84	342.043	0.24	-0.14	-0.19	
18920.00	90.430	341.900	6819.79	10993.42	10458.98	-3390.60	1688062.39	14374428.40	39°35'0.5555"N	80°49'51.2223"W	10994.83	342.038	1.01	0.30	0.97	
19014.00	89.690	340.880	6819.69	11087.42	10548.06	-3420.59	1688032.40	14374517.45	39°35'1.4364"N	80°49'51.6033"W	11088.82	342.033	1.34	-0.79	-1.09	
19108.00	89.880	340.930	6820.04	11181.42	10636.89	-3451.34	1688001.66	14374606.24	39°35'2.3149"N	80°49'51.9939"W	11182.80	342.023	0.21	0.20	0.05	
19202.00	90.000	341.770	6820.14	11275.41	10725.95	-3481.40	1687971.62	14374695.27	39°35'3.1957"N	80°49'52.3757"W	11276.80	342.018	0.90	0.13	0.89	
19297.00	90.000	341.290	6820.14	11370.41	10816.06	-3511.50	1687941.53	14374785.34	39°35'4.0868"N	80°49'52.7580"W	11371.79	342.014	0.51	0.00	-0.51	
19392.00	89.970	341.320	6820.16	11465.41	10906.04	-3541.95	1687911.09	14374875.29	39°35'4.9767"N	80°49'53.1447"W	11466.79	342.008	0.04	-0.03	0.03	
19486.00	90.150	341.970	6820.07	11559.41	10995.26	-3571.55	1687881.50	14374964.47	39°35'5.8590"N	80°49'53.5207"W	11560.78	342.005	0.72	0.19	0.69	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (291 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
19580.00	90.150	341.330	6819.82	11653.40	11084.48	-3601.14	1687851.92	14375053.66	39°35'6.7413"N	80°49'53.8965"W	11654.78	342.002	0.68	0.00	-0.68	
19674.00	90.150	341.150	6819.57	11747.40	11173.49	-3631.37	1687821.71	14375142.63	39°35'7.6216"N	80°49'54.2805"W	11748.77	341.996	0.19	0.00	-0.19	
19769.00	89.910	341.120	6819.52	11842.40	11263.38	-3662.09	1687791.00	14375232.49	39°35'8.5106"N	80°49'54.6707"W	11843.76	341.989	0.25	-0.25	-0.03	
19864.00	90.220	340.410	6819.42	11937.40	11353.08	-3693.39	1687759.72	14375322.15	39°35'9.3977"N	80°49'55.0683"W	11938.74	341.979	0.82	0.33	-0.75	
19958.00	89.820	341.410	6819.38	12031.40	11441.91	-3724.13	1687728.99	14375410.94	39°35'10.2761"N	80°49'55.4588"W	12032.72	341.971	1.15	-0.43	1.06	
20148.00	89.600	340.550	6820.34	12221.39	11621.53	-3786.05	1687667.09	14375590.49	39°35'12.0525"N	80°49'56.2454"W	12222.69	341.955	0.47	-0.12	-0.45	
20242.00	89.600	339.910	6821.00	12315.38	11709.99	-3817.84	1687635.31	14375678.92	39°35'12.9274"N	80°49'56.6494"W	12316.64	341.942	0.68	0.00	-0.68	
20336.00	89.880	340.900	6821.43	12409.37	11798.54	-3849.37	1687603.80	14375767.43	39°35'13.8031"N	80°49'57.0499"W	12410.61	341.931	1.09	0.30	1.05	
20430.00	89.940	340.990	6821.58	12503.37	11887.39	-3880.06	1687573.12	14375856.25	39°35'14.6818"N	80°49'57.4398"W	12504.60	341.923	0.12	0.06	0.10	
20524.00	90.060	340.990	6821.58	12597.37	11976.26	-3910.68	1687542.51	14375945.09	39°35'15.5607"N	80°49'57.8288"W	12598.58	341.916	0.13	0.13	0.00	
20618.00	90.220	341.600	6821.35	12691.36	12065.30	-3940.82	1687512.38	14376034.08	39°35'16.4412"N	80°49'58.2117"W	12692.58	341.912	0.67	0.17	0.65	
20712.00	89.690	341.030	6821.42	12785.36	12154.34	-3970.93	1687482.28	14376123.09	39°35'17.3218"N	80°49'58.5942"W	12786.57	341.907	0.83	-0.56	-0.61	
20807.00	89.940	341.820	6821.73	12880.36	12244.39	-4001.20	1687452.03	14376213.11	39°35'18.2124"N	80°49'58.9786"W	12881.57	341.904	0.87	0.26	0.83	
20901.00	90.120	341.700	6821.68	12974.36	12333.67	-4030.62	1687422.62	14376302.35	39°35'19.0952"N	80°49'59.3523"W	12975.57	341.903	0.23	0.19	-0.13	
20996.00	89.820	341.520	6821.73	13069.35	12423.82	-4060.59	1687392.66	14376392.46	39°35'19.9867"N	80°49'59.7330"W	13070.56	341.901	0.37	-0.32	-0.19	
21090.00	89.940	341.460	6821.92	13163.35	12512.96	-4090.43	1687362.83	14376481.56	39°35'20.8683"N	80°50'0.1120"W	13164.56	341.898	0.14	0.13	-0.06	
21279.00	89.850	341.460	6822.27	13352.35	12692.15	-4150.53	1687302.76	14376660.68	39°35'22.6403"N	80°50'0.8754"W	13353.56	341.891	0.05	-0.05	0.00	
21374.00	90.090	341.550	6822.32	13447.34	12782.24	-4180.66	1687272.64	14376750.74	39°35'23.5313"N	80°50'1.2582"W	13448.55	341.889	0.27	0.25	0.09	
21468.00	90.030	342.570	6822.22	13541.33	12871.67	-4209.62	1687243.69	14376840.13	39°35'24.4157"N	80°50'1.6259"W	13542.55	341.890	1.09	-0.06	1.09	
21562.00	89.970	341.400	6822.22	13635.32	12961.06	-4238.69	1687214.63	14376929.49	39°35'25.2996"N	80°50'1.9951"W	13636.55	341.891	1.25	-0.06	-1.24	
21657.00	90.180	341.620	6822.10	13730.31	13051.15	-4268.81	1687184.52	14377019.55	39°35'26.1906"N	80°50'2.3778"W	13731.55	341.888	0.32	0.22	0.23	
21751.00	89.880	341.370	6822.05	13824.31	13140.29	-4298.65	1687154.70	14377108.65	39°35'27.0722"N	80°50'2.7568"W	13825.55	341.885	0.42	-0.32	-0.27	
21845.00	89.660	342.110	6822.42	13918.31	13229.56	-4328.10	1687125.26	14377197.88	39°35'27.9549"N	80°50'3.1309"W	13919.54	341.884	0.82	-0.23	0.79	
21939.00	90.090	341.810	6822.63	14012.29	13318.94	-4357.21	1687096.16	14377287.22	39°35'28.8388"N	80°50'3.5007"W	14013.54	341.885	0.56	0.46	-0.32	
22034.00	90.000	340.930	6822.56	14107.29	13408.96	-4387.56	1687065.82	14377377.21	39°35'29.7290"N	80°50'3.8862"W	14108.54	341.881	0.93	-0.09	-0.93	
22128.00	90.090	340.870	6822.48	14201.29	13497.78	-4418.32	1687035.08	14377466.00	39°35'30.6075"N	80°50'4.2770"W	14202.52	341.875	0.12	0.10	-0.06	
22223.00	90.150	340.960	6822.28	14296.29	13587.56	-4449.38	1687004.03	14377555.74	39°35'31.4953"N	80°50'4.6717"W	14297.51	341.868	0.11	0.06	0.09	
22317.00	89.630	340.870	6822.46	14390.29	13676.39	-4480.12	1686973.30	14377644.54	39°35'32.3739"N	80°50'5.0622"W	14391.50	341.862	0.56	-0.55	-0.10	
22412.00	90.220	340.940	6822.59	14485.29	13766.17	-4511.19	1686942.24	14377734.27	39°35'33.2617"N	80°50'5.4570"W	14486.48	341.856	0.63	0.62	0.07	
22506.00	90.180	341.020	6822.26	14579.29	13855.03	-4541.83	1686911.62	14377823.11	39°35'34.1405"N	80°50'5.8463"W	14580.47	341.850	0.10	-0.04	0.09	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

**WELLPATH DATA (291 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
22601.00	89.850	340.300	6822.23	14674.28	13944.67	-4573.29	1686880.17	14377912.71	39°35'35.0270"N	80°50'6.2460"W	14675.45	341.843	0.83	-0.35	-0.76	
22695.00	89.570	340.890	6822.71	14768.28	14033.33	-4604.52	1686848.95	14378001.33	39°35'35.9038"N	80°50'6.6429"W	14769.43	341.835	0.69	-0.30	0.63	
22790.00	90.310	340.880	6822.81	14863.28	14123.09	-4635.63	1686817.85	14378091.06	39°35'36.7915"N	80°50'7.0382"W	14864.41	341.829	0.78	0.78	-0.01	
22884.00	90.060	340.820	6822.51	14957.28	14211.89	-4666.46	1686787.03	14378179.82	39°35'37.6696"N	80°50'7.4300"W	14958.40	341.822	0.27	-0.27	-0.06	
22979.00	89.880	340.970	6822.56	15052.27	14301.66	-4697.56	1686755.95	14378269.55	39°35'38.5574"N	80°50'7.8251"W	15053.39	341.817	0.25	-0.19	0.16	
23073.00	89.910	340.490	6822.73	15146.27	14390.39	-4728.58	1686724.94	14378358.25	39°35'39.4349"N	80°50'8.2193"W	15147.37	341.810	0.51	0.03	-0.51	
23167.00	90.150	340.790	6822.68	15240.27	14479.08	-4759.74	1686693.79	14378446.90	39°35'40.3120"N	80°50'8.6153"W	15241.35	341.803	0.41	0.26	0.32	
23261.00	90.030	340.680	6822.53	15334.27	14567.81	-4790.75	1686662.79	14378535.60	39°35'41.1895"N	80°50'9.0094"W	15335.33	341.796	0.17	-0.13	-0.12	
23356.00	89.910	340.480	6822.58	15429.26	14657.41	-4822.34	1686631.21	14378625.16	39°35'42.0756"N	80°50'9.4108"W	15430.31	341.789	0.25	-0.13	-0.21	
23450.00	90.090	340.790	6822.58	15523.26	14746.09	-4853.51	1686600.06	14378713.81	39°35'42.9526"N	80°50'9.8069"W	15524.29	341.782	0.38	0.19	0.33	
23544.00	90.030	340.470	6822.48	15617.25	14834.77	-4884.69	1686568.89	14378802.45	39°35'43.8296"N	80°50'10.2031"W	15618.27	341.775	0.35	-0.06	-0.34	
23639.00	90.060	340.680	6822.41	15712.25	14924.36	-4916.28	1686537.31	14378892.01	39°35'44.7156"N	80°50'10.6046"W	15713.25	341.767	0.22	0.03	0.22	
23733.00	90.000	340.230	6822.36	15806.24	15012.94	-4947.73	1686505.88	14378980.55	39°35'45.5917"N	80°50'11.0042"W	15807.23	341.760	0.48	-0.06	-0.48	
23827.00	90.220	340.820	6822.18	15900.24	15101.57	-4979.07	1686474.55	14379069.14	39°35'46.4681"N	80°50'11.4025"W	15901.21	341.752	0.67	0.23	0.63	
23922.00	89.970	341.290	6822.02	15995.24	15191.42	-5009.91	1686443.72	14379158.96	39°35'47.3567"N	80°50'11.7944"W	15996.20	341.748	0.56	-0.26	0.49	
24016.00	90.000	340.510	6822.05	16089.24	15280.24	-5040.67	1686412.97	14379247.75	39°35'48.2351"N	80°50'12.1853"W	16090.19	341.743	0.83	0.03	-0.83	
24111.00	89.970	340.380	6822.07	16184.23	15369.76	-5072.47	1686381.19	14379337.23	39°35'49.1204"N	80°50'12.5894"W	16185.16	341.736	0.14	-0.03	-0.14	
24205.00	89.880	340.100	6822.19	16278.22	15458.23	-5104.24	1686349.42	14379425.66	39°35'49.9953"N	80°50'12.9933"W	16279.13	341.727	0.31	-0.10	-0.30	
24299.00	90.250	341.080	6822.09	16372.21	15546.88	-5135.48	1686318.20	14379514.28	39°35'50.8721"N	80°50'13.3903"W	16373.11	341.720	1.11	0.39	1.04	
24393.00	90.550	341.280	6821.43	16466.21	15635.86	-5165.81	1686287.89	14379603.22	39°35'51.7519"N	80°50'13.7756"W	16467.11	341.717	0.38	0.32	0.21	
24487.00	89.850	341.290	6821.10	16560.21	15724.89	-5195.97	1686257.74	14379692.21	39°35'52.6324"N	80°50'14.1588"W	16561.10	341.715	0.74	-0.74	0.01	
24581.00	90.120	341.110	6821.13	16654.21	15813.87	-5226.26	1686227.46	14379781.16	39°35'53.5124"N	80°50'14.5438"W	16655.10	341.712	0.35	0.29	-0.19	
24679.00	90.150	341.100	6820.68	16842.21	15991.74	-5287.14	1686166.60	14379958.96	39°35'55.2714"N	80°50'15.3174"W	16843.09	341.705	0.02	0.02	-0.01	
24863.00	90.460	341.200	6820.18	16936.21	16080.70	-5317.51	1686136.24	14380047.88	39°35'56.1511"N	80°50'15.7033"W	16937.08	341.702	0.35	0.33	0.11	
24957.00	90.220	340.640	6819.63	17030.20	16169.53	-5348.24	1686105.53	14380136.68	39°35'57.0296"N	80°50'16.0938"W	17031.07	341.698	0.65	-0.26	-0.60	
25051.00	90.460	341.290	6819.07	17124.20	16258.39	-5378.89	1686074.88	14380225.50	39°35'57.9083"N	80°50'16.4834"W	17125.06	341.694	0.74	0.26	0.69	
25146.00	90.310	340.410	6818.43	17219.20	16348.13	-5410.06	1686043.73	14380315.21	39°35'58.7958"N	80°50'16.8794"W	17220.05	341.689	0.94	-0.16	-0.93	
25240.00	90.180	340.280	6818.03	17313.19	16436.65	-5441.67	1686012.13	14380403.69	39°35'59.6713"N	80°50'17.2813"W	17314.02	341.682	0.20	-0.14	-0.14	
25333.00	90.180	340.060	6817.74	17406.17	16524.14	-5473.22	1685980.59	14380491.14	39°36'0.5364"N	80°50'17.6823"W	17406.99	341.674	0.24	0.00	-0.24	
25521.00	90.400	340.590	6816.78	17594.15	16701.16	-5536.52	1685917.32	14380668.09	39°36'2.2871"N	80°50'18.4869"W	17594.93	341.659	0.31	0.12	0.28	

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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### REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWW
Slot	Slot A		

### WELLPATH DATA (291 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	FVD [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
25615.00	90.280	340.440	6816.23	17688.15	16789.77	-5567.87	1685885.98	14380756.67	39°36'3.1635"N	80°50'18.8854"W	17688.91	341.653	0.20	-0.13	-0.16	
25709.00	90.310	340.390	6815.74	17782.14	16878.33	-5599.38	1685854.48	14380845.20	39°36'4.0393"N	80°50'19.2859"W	17782.89	341.647	0.06	0.03	-0.05	
25802.00	90.090	340.400	6815.42	17875.13	16965.94	-5630.59	1685823.29	14380932.77	39°36'4.9057"N	80°50'19.6825"W	17875.87	341.640	0.24	-0.24	0.01	
25896.00	89.660	340.170	6815.62	17969.12	17054.43	-5662.30	1685791.59	14381021.22	39°36'5.7808"N	80°50'20.0856"W	17969.84	341.633	0.52	-0.46	-0.24	
25990.00	90.000	340.730	6815.90	18063.11	17143.01	-5693.75	1685760.15	14381109.77	39°36'6.6568"N	80°50'20.4854"W	18063.82	341.627	0.70	0.36	0.60	
26084.00	90.120	340.780	6815.80	18157.11	17231.76	-5724.73	1685729.18	14381198.48	39°36'7.5345"N	80°50'20.8792"W	18157.81	341.622	0.14	0.13	0.05	
26178.00	90.430	341.300	6815.35	18251.11	17320.66	-5755.27	1685698.65	14381287.34	39°36'8.4136"N	80°50'21.2674"W	18251.80	341.619	0.64	0.33	0.55	
26272.00	89.820	340.560	6815.15	18345.11	17409.50	-5785.99	1685667.95	14381376.15	39°36'9.2922"N	80°50'21.6577"W	18345.79	341.616	1.02	-0.65	-0.79	
26366.00	90.180	340.480	6815.15	18439.10	17498.11	-5817.33	1685636.62	14381464.73	39°36'10.1686"N	80°50'22.0561"W	18439.78	341.610	0.39	0.38	-0.09	
26461.00	90.000	340.810	6815.00	18534.10	17587.74	-5848.82	1685605.15	14381554.33	39°36'11.0549"N	80°50'22.4563"W	18534.76	341.605	0.40	-0.19	0.35	
26555.00	90.090	340.650	6814.92	18628.10	17676.48	-5879.84	1685574.14	14381643.03	39°36'11.9325"N	80°50'22.8506"W	18628.75	341.601	0.20	0.10	-0.17	
26649.00	90.120	340.790	6814.75	18722.09	17765.21	-5910.88	1685543.11	14381731.72	39°36'12.8099"N	80°50'23.2451"W	18722.74	341.597	0.15	0.03	0.15	
26837.00	90.830	340.820	6813.19	18910.08	17942.75	-5972.69	1685481.33	14381909.19	39°36'14.5657"N	80°50'24.0308"W	18910.72	341.589	0.38	0.38	0.02	
26931.00	90.460	340.590	6812.13	19004.07	18031.46	-6003.74	1685450.28	14381997.87	39°36'15.4430"N	80°50'24.4255"W	19004.70	341.584	0.46	-0.39	-0.24	
27025.00	90.680	340.290	6811.20	19098.06	18120.03	-6035.21	1685418.82	14382086.40	39°36'16.3189"N	80°50'24.8256"W	19098.67	341.579	0.40	0.23	-0.32	
27119.00	90.770	340.370	6810.01	19192.05	18208.54	-6066.85	1685387.20	14382174.87	39°36'17.1942"N	80°50'25.2278"W	19192.64	341.573	0.13	0.10	0.09	
27213.00	91.200	340.520	6808.39	19286.03	18297.10	-6098.31	1685355.75	14382263.40	39°36'18.0701"N	80°50'25.6277"W	19286.61	341.567	0.48	0.46	0.16	
27401.00	90.400	337.900	6805.77	19473.88	18472.83	-6165.03	1685289.06	14382439.06	39°36'19.8079"N	80°50'26.4761"W	19474.42	341.544	1.46	-0.43	-1.39	
27589.00	90.370	339.190	6804.51	19661.69	18647.79	-6233.79	1685220.33	14382613.95	39°36'21.5384"N	80°50'27.3506"W	19662.16	341.516	0.69	-0.02	0.69	
27635.00	90.460	339.300	6804.17	19707.66	18690.81	-6250.09	1685204.03	14382656.95	39°36'21.9638"N	80°50'27.5579"W	19708.12	341.510	0.31	0.20	0.24	
27660.00	90.460	339.300	6803.97	19732.65	18714.19	-6258.93	1685195.20	14382680.33	39°36'22.1950"N	80°50'27.6703"W	19733.10	341.508	0.00	0.00	0.00	Projected MD at TD: 27660'

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**Actual Wellpath Report**  
 Presley Unit 1H AWP Proj: 27660'  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

HOLE & CASING SECTIONS - Ref Wellbore: Presley Unit 1H AWB Ref Wellpath: Presley Unit 1H AWP Proj: 27660'									
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	30.00	130.00	100.00	30.00	129.99	0.00	0.00	0.11	-0.91
17.5in Open Hole	130.00	378.00	248.00	129.99	377.99	0.11	-0.91	0.85	-1.09
13.375in Casing Surface	30.00	358.00	328.00	30.00	357.99	0.00	0.00	0.86	-1.22
12.25in Open Hole	378.00	3546.00	3168.00	377.99	3448.38	0.85	-1.09	-692.22	277.98
9.625in Casing Intermediate	30.00	3516.00	3486.00	30.00	3419.17	0.00	0.00	-686.19	274.79
8.75in Open Hole	3546.00	5432.00	1886.00	3448.38	5247.58	-692.22	277.98	-1212.80	486.27
8.5in Open Hole	5432.00	27660.00	22228.00	5247.58	6803.97	-1212.80	486.27	18714.19	-6258.93
5.5in Casing Production	30.00	27640.00	27610.00	30.00	6804.13	0.00	0.00	18695.49	-6251.86

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# Actual Wellpath Report

Presley Unit 1H AWP Proj: 27660'  
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### REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Presley Unit 1H
Field	Wetzel	API	47-095-02869-0000
Facility	Big Run Pad	Wellbore	Presley Unit 1H AWB
Slot	Slot A		

### TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Presley Unit 1H BHL Rev-4	6717.47	18738.74	-6234.13	1685219.99	14382704.86	39°36'22.4372"N	80°50'27.3529"W	point
Presley Unit 1H POE Rev-2	6785.00	-762.76	436.37	1691887.83	14363211.14	39°33'9.5745"N	80°49'2.6352"W	point
Presley Unit 1H POE Rev-4	6830.00	-499.81	346.43	1691797.92	14363473.99	39°33'12.1751"N	80°49'3.7766"W	point
Presley Unit 1H LP Rev-4	6858.00	-307.40	280.62	1691732.13	14363666.32	39°33'14.0781"N	80°49'4.6119"W	point
Presley Unit 1H 50' L/R Hard Line	7000.00	8987.99	-2898.88	1688553.91	14372958.00	39°34'46.0082"N	80°49'44.9778"W	rectangle
2D Rectangle 20610.8 x 100.								

### WELLPATH COMPOSITION - Ref Wellbore: Presley Unit 1H AWB Ref Wellpath: Presley Unit 1H AWP Proj: 27660'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	375.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-375')	Presley Unit 1H AWB	10/15/2023
375.00	3476.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (375')(502'-3476')	Presley Unit 1H AWB	10/15/2023
3476.00	5361.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3476')(3590'-5361')	Presley Unit 1H AWB	11/14/2023
5361.00	27660.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (5361')(5412'-27635')	Presley Unit 1H AWB	11/14/2023

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COMMENTS
<p><b>Wellpath general comments</b> API: 47-095-02869-0000 BH Job #: 111994413 Rig: H&amp;P 531 Duration: 11/18/2023-11/24/2023 Gyrodata MS Gyro &lt;17-1/2"&gt; (100'-375') APS EM &lt;12-1/4"&gt; (375')(502'-3476') APS EM &lt;8-3/4"&gt; (3476')(3590'-5361') BH AT Curve &lt;8-1/2"&gt; (5361')(5412'-27635') Sycamore: 6834' MD Middlesex: 6977' MD Burkett: 7128' MD Tully: 7165' MD Marcellus POE: 7337' MD Projected MD at TD: 27660'</p>

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