



ANTERO RESOURCES CORPORATION



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

Slot: Slot C
 Well: Skinner Hollow Unit 2H
 Wellbore: Skinner Hollow Unit 2H PWB

True vertical depths are referenced to H&P 317 (RKB)	Grid System: NAD27 / UTM Zone 17 North, US feet
Reference wellpath measured depths are referenced to H&P 317 (RKB)	North Reference: Grid north
H&P 317 (RKB) to Mean Sea Level: 1280.5 feet	Scale: True distance
Mean Sea Level to Ground level (At Slot: Slot C): -1255 feet	Coordinates are in feet referenced to Slot
Other wellpath MDs are referenced to each path's default MD datum	Depths are in feet
	Created by: edstaryar on 2023-05-30; Database: WA_MPL_EASTERNUS_Delta

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Ingold Pad	1698814.580	14363571.790	39°33'12.9920"N	80°47'34.1600"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot C	-29.53	3.98	1698818.560	14363542.270
			39°33'12.7000"N	80°47'34.1100"W
Comment Skinner Hollow Unit 2H				
H&P 317 (RKB) to Ground level (At Slot: Slot C)	25.5ft			
Mean Sea Level to Ground level (At Slot: Slot C)	-1255ft			
H&P 317 (RKB) to Mean Sea Level	1280.5ft			

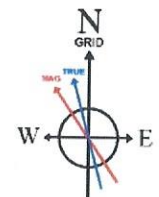
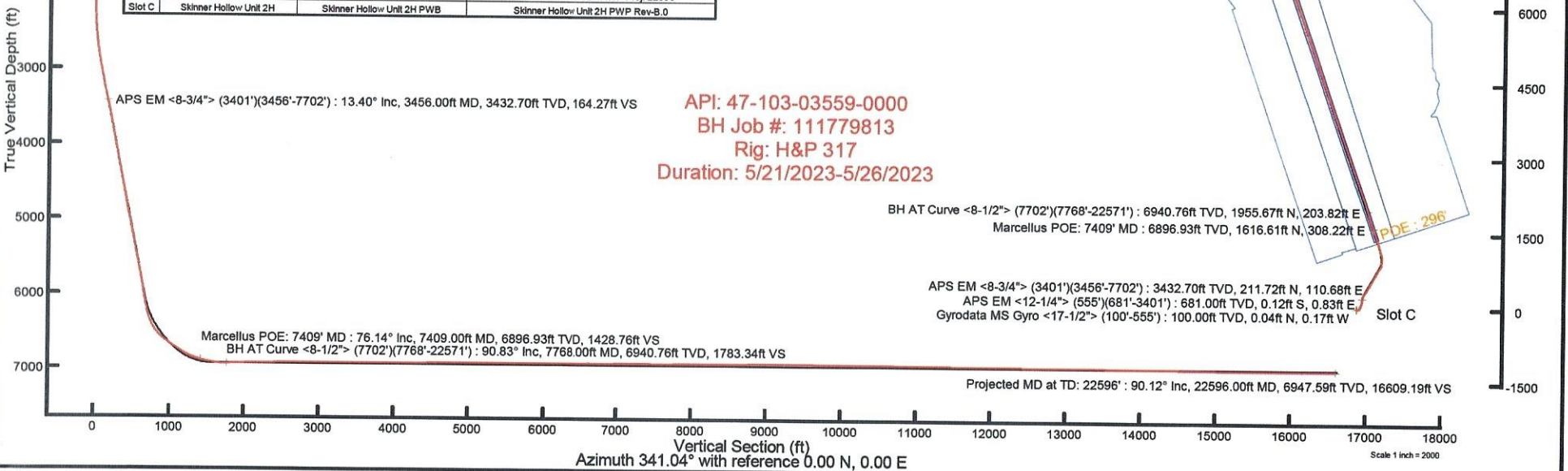
Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3401.00	13.520	8.280	3379.21	199.01	109.17	0.41	152.74
Proj. to Bottom	3475.00	13.520	8.280	3451.18	216.13	111.66	0.00	168.12
Drill Out	3555.00	13.520	8.280	3528.94	234.64	114.36	0.00	184.75
End of 3D Arc	3859.50	16.209	29.783	3823.45	306.81	140.82	2.00	244.48
Curve KOP	6191.31	16.209	29.783	6062.57	871.74	463.94	0.00	673.71
Turn	6559.07	30.000	357.000	6401.30	1009.29	494.80	5.00	797.01
Build/Turn	7100.24	54.166	338.117	6801.50	1354.39	394.27	5.00	1152.81
POE	7352.99	74.217	341.041	6911.00	1566.69	315.76	8.00	1379.10
Landing Pt.	7550.27	90.000	341.041	6938.00	1750.92	252.47	8.00	1573.89
BHL	22600.72	90.000	341.041	6938.00	15984.93	-4637.20	0.00	16624.34

Gyrodatta MS Gyro <17-1/2"> (100°-555') : 0.27° Inc, 100.00ft MD, 100.00ft TVD, 0.09ft VS
 APS EM <12-1/4"> (555')(681°-3401') : 0.25° Inc, 681.00ft MD, 681.00ft TVD, -0.39ft VS

Well Data			
Slot	Well	Wellbore	Wellpath
Slot C	Skinner Hollow Unit 2H	Skinner Hollow Unit 2H AWB	Skinner Hollow Unit 2H AWP Proj: 22596'
Slot C	Skinner Hollow Unit 2H	Skinner Hollow Unit 2H PWB	Skinner Hollow Unit 2H PWP Rev-B.0

APS EM <8-3/4"> (3401')(3456°-7702') : 13.40° Inc, 3456.00ft MD, 3432.70ft TVD, 164.27ft VS
 Marcellus POE: 7409' MD : 76.14° Inc, 7409.00ft MD, 6896.93ft TVD, 1428.76ft VS
 BH AT Curve <8-1/2"> (7702')(7768°-22571') : 90.83° Inc, 7768.00ft MD, 6940.76ft TVD, 1783.34ft VS

API: 47-103-03559-0000
 BH Job #: 111779813
 Rig: H&P 317
 Duration: 5/21/2023-5/26/2023



User specified (HDGM) Dip: 66.33° Field: 51648 nT
 Magnetic North is 7.57 degrees West of True North (at 5/20/2023)
 Grid North is 0.13 degrees East of True North
 To correct azimuth from True to Grid subtract 0.13 degrees
 To correct azimuth from Magnetic to Grid subtract 7.70 degrees

BH AT Curve <8-1/2"> (7702')(7768°-22571') : 6940.76ft TVD, 1955.67ft N, 203.82ft E
 Marcellus POE: 7409' MD : 6896.93ft TVD, 1616.61ft N, 308.22ft E
 APS EM <8-3/4"> (3401')(3456°-7702') : 3432.70ft TVD, 211.72ft N, 110.68ft E
 APS EM <12-1/4"> (555')(681°-3401') : 681.00ft TVD, 0.12ft S, 0.83ft E
 Gyrodatta MS Gyro <17-1/2"> (100°-555') : 100.00ft TVD, 0.04ft N, 0.17ft W

Projected MD at TD: 22596' : 90.12° Inc, 22596.00ft MD, 6947.59ft TVD, 16609.19ft VS

Vertical Section (ft)
 Azimuth 341.04° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



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Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999604	Report Generated	5/30/2023 at 6:13:19 PM
Convergence at slot	0.13° 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	-29.53	3.98	1698818.56	14363542.27	39°33'12.7000"N	80°47'34.1100"W
Facility Reference Pt			1698814.58	14363571.79	39°33'12.9920"N	80°47'34.1600"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	1280.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1280.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot C)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	341.04°

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Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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	281.970	0.00	0.00	0.00	0.00	1698818.56	14363542.27	39°33'12.7000"N	80°47'34.1100"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	281.970	25.50	0.00	0.00	0.00	1698818.56	14363542.27	39°33'12.7000"N	80°47'34.1100"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.270	281.970	100.00	0.09	0.04	-0.17	1698818.39	14363542.31	39°33'12.7004"N	80°47'34.1122"W	0.18	281.970	0.36	0.36	0.00	Cyrodata MS Gyro <17-1/2"> (100'-555')
200.00	0.090	44.970	200.00	0.25	0.14	-0.35	1698818.21	14363542.41	39°33'12.7014"N	80°47'34.1144"W	0.37	292.108	0.33	-0.18	123.00	
300.00	0.210	31.290	300.00	0.40	0.35	-0.20	1698818.36	14363542.62	39°33'12.7035"N	80°47'34.1125"W	0.40	330.957	0.12	0.12	-13.68	
400.00	0.070	23.070	400.00	0.56	0.57	-0.08	1698818.48	14363542.84	39°33'12.7056"N	80°47'34.1110"W	0.57	352.260	0.14	-0.14	-8.22	
500.00	0.270	126.080	500.00	0.41	0.48	0.14	1698818.70	14363542.75	39°33'12.7048"N	80°47'34.1082"W	0.50	15.878	0.29	0.20	103.01	
555.00	0.330	133.790	555.00	0.17	0.30	0.36	1698818.92	14363542.57	39°33'12.7029"N	80°47'34.1055"W	0.46	50.173	0.13	0.11	14.02	
681.00	0.250	128.120	681.00	-0.39	-0.12	0.83	1698819.39	14363542.15	39°33'12.6988"N	80°47'34.0994"W	0.84	98.413	0.07	-0.06	-4.50	APS EM <12-1/4"> (555')(681'-3401')
772.00	0.440	131.260	771.99	-0.86	-0.48	1.25	1698819.81	14363541.79	39°33'12.6953"N	80°47'34.0940"W	1.34	110.810	0.21	0.21	3.45	
862.00	0.500	134.610	861.99	-1.51	-0.98	1.79	1698820.35	14363541.29	39°33'12.6903"N	80°47'34.0872"W	2.04	118.664	0.07	0.07	3.72	
952.00	0.580	112.790	951.99	-2.16	-1.43	2.49	1698821.05	14363540.84	39°33'12.6858"N	80°47'34.0782"W	2.87	119.885	0.24	0.09	-24.24	
1042.00	0.550	106.740	1041.98	-2.72	-1.73	3.33	1698821.88	14363540.54	39°33'12.6828"N	80°47'34.0676"W	3.75	117.524	0.07	-0.03	-6.72	
1137.00	0.690	94.880	1136.98	-3.22	-1.91	4.33	1698822.89	14363540.36	39°33'12.6810"N	80°47'34.0548"W	4.74	113.825	0.20	0.15	-12.48	
1231.00	0.880	91.050	1230.97	-3.69	-1.97	5.62	1698824.18	14363540.30	39°33'12.6804"N	80°47'34.0383"W	5.96	109.364	0.21	0.20	-4.07	
1326.00	0.960	83.300	1325.96	-4.11	-1.90	7.14	1698825.70	14363540.38	39°33'12.6811"N	80°47'34.0189"W	7.39	104.869	0.16	0.08	-8.16	
1420.00	1.150	88.400	1419.94	-4.56	-1.78	8.86	1698827.42	14363540.49	39°33'12.6822"N	80°47'33.9969"W	9.04	101.336	0.23	0.20	5.43	
1515.00	1.320	96.660	1514.92	-5.32	-1.88	10.90	1698829.46	14363540.39	39°33'12.6812"N	80°47'33.9709"W	11.06	99.769	0.26	0.18	8.69	
1609.00	1.940	99.830	1608.88	-6.55	-2.27	13.55	1698832.10	14363540.00	39°33'12.6772"N	80°47'33.9371"W	13.74	99.531	0.67	0.66	3.37	
1704.00	1.430	107.740	1703.84	-8.04	-2.91	16.26	1698834.81	14363539.36	39°33'12.6709"N	80°47'33.9025"W	16.52	100.147	0.59	-0.54	8.33	
1798.00	0.630	132.730	1797.82	-9.19	-3.62	17.76	1698836.31	14363538.65	39°33'12.6638"N	80°47'33.8834"W	18.12	101.517	0.96	-0.85	26.59	
1893.00	1.600	85.100	1892.81	-9.97	-3.86	19.46	1698838.01	14363538.41	39°33'12.6614"N	80°47'33.8617"W	19.84	101.216	1.33	1.02	-50.14	
1987.00	2.590	63.950	1986.74	-10.03	-2.81	22.68	1698841.23	14363539.46	39°33'12.6717"N	80°47'33.8206"W	22.85	97.075	1.32	1.05	-22.50	
2082.00	3.140	62.630	2081.62	-9.38	-0.68	26.92	1698845.47	14363541.59	39°33'12.6927"N	80°47'33.7664"W	26.92	91.438	0.58	0.58	-1.39	
2176.00	3.730	57.860	2175.45	-8.31	2.13	31.79	1698850.34	14363544.40	39°33'12.7204"N	80°47'33.7041"W	31.86	86.159	0.70	0.63	-5.07	
2270.00	4.410	52.010	2269.22	-6.43	5.99	37.23	1698855.77	14363548.25	39°33'12.7583"N	80°47'33.6346"W	37.71	80.866	0.85	0.72	-6.22	
2365.00	5.760	44.150	2363.84	-3.09	11.65	43.43	1698861.97	14363553.92	39°33'12.8142"N	80°47'33.5552"W	44.96	74.978	1.60	1.42	-8.27	
2460.00	6.800	37.970	2458.27	2.14	19.51	50.21	1698868.75	14363561.77	39°33'12.8917"N	80°47'33.4684"W	53.87	68.766	1.30	1.09	-6.51	
2554.00	8.090	28.800	2551.48	9.62	29.69	56.82	1698875.36	14363571.95	39°33'12.9922"N	80°47'33.3837"W	64.11	62.409	1.86	1.37	-9.76	
2649.00	9.760	26.890	2645.33	19.72	42.73	63.68	1698882.22	14363584.99	39°33'13.1209"N	80°47'33.2957"W	76.69	56.137	1.79	1.78	-2.01	

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Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
2743.00	11.470	25.190	2737.72	31.98	58.30	71.26	1698889.80	14363600.55	39°33'13.2746"N	80°47'33.1985"W	92.07	50.715	1.85	1.82	-1.81	
2838.00	11.730	21.830	2830.78	46.07	75.81	78.88	1698897.40	14363618.05	39°33'13.4475"N	80°47'33.1008"W	109.40	46.136	0.76	0.27	-3.54	
2932.00	12.780	18.270	2922.63	61.58	94.55	85.69	1698904.21	14363636.79	39°33'13.6326"N	80°47'33.0133"W	127.60	42.184	1.38	1.12	-3.79	
3027.00	13.000	16.270	3015.24	78.68	114.79	91.98	1698910.50	14363657.01	39°33'13.8324"N	80°47'32.9324"W	147.09	38.704	0.52	0.23	-2.11	
3121.00	13.180	13.650	3106.80	96.34	135.35	97.47	1698915.99	14363677.57	39°33'14.0355"N	80°47'32.8617"W	166.79	35.758	0.66	0.19	-2.79	
3216.00	13.200	10.420	3199.29	114.92	156.54	101.99	1698920.50	14363698.75	39°33'14.2449"N	80°47'32.8034"W	186.83	33.083	0.78	0.02	-3.40	
3310.00	13.570	9.850	3290.74	133.93	177.97	105.81	1698924.33	14363720.16	39°33'14.4565"N	80°47'32.7539"W	207.05	30.734	0.42	0.39	-0.61	
3401.00	13.520	8.280	3379.21	152.74	199.01	109.17	1698927.69	14363741.20	39°33'14.6644"N	80°47'32.7104"W	226.99	28.748	0.41	-0.05	-1.73	
3456.00	13.400	5.290	3432.70	164.27	211.72	110.68	1698929.20	14363753.90	39°33'14.7900"N	80°47'32.6907"W	238.91	27.600	1.28	-0.22	-5.44	APS EM <8-3/4"> (3401')(3456'-7702')
3550.00	13.650	9.710	3524.10	183.93	233.50	113.56	1698932.07	14363775.67	39°33'15.0051"N	80°47'32.6534"W	259.65	25.936	1.13	0.27	4.70	
3645.00	14.890	18.710	3616.17	203.43	256.11	119.37	1698937.88	14363798.28	39°33'15.2285"N	80°47'32.5786"W	282.56	24.989	2.67	1.31	9.47	
3739.00	16.040	29.600	3706.79	221.59	278.85	129.66	1698948.17	14363821.01	39°33'15.4530"N	80°47'32.4465"W	307.52	24.937	3.32	1.22	11.59	
3834.00	17.030	35.310	3797.86	238.40	301.61	144.18	1698962.69	14363843.76	39°33'15.6776"N	80°47'32.2604"W	334.30	25.550	2.00	1.04	6.01	
3938.00	17.470	34.450	3897.19	256.60	326.91	161.82	1698980.31	14363869.05	39°33'15.9273"N	80°47'32.0345"W	364.77	26.335	0.49	0.42	-0.83	
4022.00	16.760	30.420	3977.47	272.00	347.76	175.08	1698993.57	14363889.89	39°33'16.1330"N	80°47'31.8646"W	389.34	26.723	1.65	-0.85	-4.80	
4117.00	17.660	32.410	4068.22	289.92	371.73	189.74	1699008.23	14363913.86	39°33'16.3696"N	80°47'31.6767"W	417.36	27.041	1.13	0.95	2.09	
4213.00	18.200	33.790	4159.55	308.08	396.49	205.88	1699024.36	14363938.60	39°33'16.6139"N	80°47'31.4699"W	446.76	27.441	0.72	0.56	1.44	
4307.00	17.040	28.460	4249.15	326.29	420.80	220.61	1699039.08	14363962.90	39°33'16.8538"N	80°47'31.2811"W	475.12	27.667	2.11	-1.23	-5.67	
4401.00	16.610	31.250	4339.13	344.21	444.39	234.15	1699052.61	14363986.49	39°33'17.0867"N	80°47'31.1077"W	502.30	27.784	0.97	-0.46	2.97	
4496.00	15.950	25.290	4430.32	362.25	467.81	246.77	1699065.23	14364009.89	39°33'17.3178"N	80°47'30.9458"W	528.90	27.812	1.89	-0.69	-6.27	
4590.00	14.740	27.580	4520.97	379.73	490.08	257.82	1699076.28	14364032.16	39°33'17.5377"N	80°47'30.8041"W	553.76	27.748	1.44	-1.29	2.44	
4684.00	14.590	30.250	4611.91	395.69	510.91	269.32	1699087.78	14364052.98	39°33'17.7433"N	80°47'30.6566"W	577.55	27.796	0.74	-0.16	2.84	
4779.00	14.610	32.190	4703.84	411.02	531.39	281.73	1699100.18	14364073.44	39°33'17.9454"N	80°47'30.4976"W	601.45	27.932	0.52	0.02	2.04	
4873.00	14.970	32.510	4794.73	426.02	551.66	294.57	1699113.02	14364093.71	39°33'18.1455"N	80°47'30.3330"W	625.38	28.101	0.39	0.38	0.34	
4967.00	15.860	28.060	4885.35	442.34	573.23	307.14	1699125.58	14364115.27	39°33'18.3584"N	80°47'30.1719"W	650.33	28.183	1.57	0.95	-4.73	
5061.00	17.160	27.240	4975.47	460.69	596.90	319.53	1699137.96	14364138.93	39°33'18.5920"N	80°47'30.0131"W	677.04	28.161	1.40	1.38	-0.87	
5156.00	16.680	26.240	5066.36	480.00	621.59	331.97	1699150.40	14364163.61	39°33'18.8357"N	80°47'29.8535"W	704.68	28.106	0.59	-0.51	-1.05	
5250.00	15.850	29.460	5156.60	498.03	644.86	344.25	1699162.68	14364186.88	39°33'19.0655"N	80°47'29.6960"W	731.00	28.095	1.30	-0.88	3.43	
5344.00	15.370	31.980	5247.13	514.40	666.61	357.16	1699175.58	14364208.61	39°33'19.2801"N	80°47'29.5306"W	756.26	28.182	0.88	-0.51	2.68	
5439.00	15.270	32.740	5338.75	530.08	687.81	370.60	1699189.01	14364229.81	39°33'19.4893"N	80°47'29.3584"W	781.30	28.316	0.24	-0.11	0.80	

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Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
5533.00	16.640	28.500	5429.13	546.86	710.05	383.72	1699202.12	14364252.04	39°33'19.7089"N	80°47'29.1903"W	807.10	28.387	1.91	1.46	-4.51	
5627.00	17.320	27.090	5519.04	565.67	734.34	396.51	1699214.91	14364276.31	39°33'19.9486"N	80°47'29.0262"W	834.55	28.367	0.85	0.72	-1.50	
5721.00	16.910	28.420	5608.87	584.63	758.82	409.39	1699227.78	14364300.78	39°33'20.1902"N	80°47'28.8611"W	862.21	28.347	0.60	-0.44	1.41	
5816.00	17.290	29.500	5699.67	603.35	783.26	422.92	1699241.31	14364325.21	39°33'20.4315"N	80°47'28.6877"W	890.14	28.367	0.52	0.40	1.14	
5910.00	17.350	33.200	5789.42	621.21	807.14	437.47	1699255.85	14364349.09	39°33'20.6672"N	80°47'28.5012"W	918.07	28.458	1.17	0.06	3.94	
6004.00	15.770	36.420	5879.52	637.07	829.15	452.73	1699271.11	14364371.09	39°33'20.8844"N	80°47'28.3057"W	944.70	28.635	1.94	-1.68	3.43	
6099.00	15.310	35.380	5971.04	651.72	849.76	467.65	1699286.03	14364391.70	39°33'21.0877"N	80°47'28.1145"W	969.95	28.825	0.57	-0.48	-1.09	
6193.00	11.290	20.430	6062.53	666.07	868.52	478.06	1699296.43	14364410.44	39°33'21.2729"N	80°47'27.9811"W	991.39	28.830	5.60	-4.28	-15.90	
6287.00	12.890	9.760	6154.45	682.38	887.48	483.05	1699301.42	14364429.39	39°33'21.4601"N	80°47'27.9169"W	1010.42	28.559	2.92	1.70	-11.35	
6382.00	14.790	1.270	6246.70	703.06	910.05	485.11	1699303.48	14364451.96	39°33'21.6831"N	80°47'27.8898"W	1031.27	28.061	2.92	2.00	-8.94	
6476.00	21.900	9.780	6335.88	729.72	939.36	488.36	1699306.73	14364481.26	39°33'21.9728"N	80°47'27.8475"W	1058.72	27.469	8.06	7.56	9.05	
6570.00	29.340	12.490	6420.58	764.79	979.18	496.33	1699314.70	14364521.06	39°33'22.3661"N	80°47'27.7445"W	1097.79	26.880	8.01	7.91	2.88	
6664.00	36.580	355.470	6499.57	811.73	1029.76	499.11	1699317.47	14364571.62	39°33'22.8660"N	80°47'27.7076"W	1144.34	25.859	12.44	7.70	-18.11	
6759.00	44.410	343.080	6571.88	872.55	1089.97	487.16	1699305.53	14364631.81	39°33'23.4613"N	80°47'27.8583"W	1193.89	24.082	11.79	8.24	-13.04	
6802.00†	48.490	343.011	6601.50	903.69	1119.78	478.08	1699296.45	14364661.60	39°33'23.7561"N	80°47'27.9735"W	1217.56	23.120	9.49	9.49	-0.16	
6853.00	53.330	342.940	6633.64	943.24	1157.61	466.49	1699284.86	14364699.42	39°33'24.1303"N	80°47'28.1203"W	1248.07	21.948	9.49	9.49	-0.14	
6947.00	56.020	342.220	6687.99	1019.90	1230.78	443.52	1699261.91	14364772.56	39°33'24.8540"N	80°47'28.4113"W	1308.26	19.817	2.93	2.86	-0.77	
6989.00†	56.714	342.372	6711.25	1054.86	1264.09	432.89	1699251.28	14364805.86	39°33'25.1835"N	80°47'28.5461"W	1336.16	18.904	1.68	1.65	0.36	
7042.00	57.590	342.560	6740.00	1099.37	1306.55	419.48	1699237.87	14364848.30	39°33'25.6034"N	80°47'28.7161"W	1372.24	17.800	1.68	1.65	0.36	
7136.00	58.660	343.270	6789.64	1179.15	1382.85	396.03	1699214.43	14364924.57	39°33'26.3580"N	80°47'29.0132"W	1438.44	15.981	1.31	1.14	0.76	
7168.00†	60.208	341.826	6805.91	1206.70	1409.13	387.76	1699206.17	14364950.84	39°33'26.6180"N	80°47'29.1179"W	1461.51	15.386	6.21	4.84	-4.51	
7218.00†	62.657	339.656	6829.82	1250.60	1450.58	373.27	1699191.68	14364992.27	39°33'27.0279"N	80°47'29.3017"W	1497.84	14.431	6.21	4.90	-4.34	
7230.00	63.250	339.150	6835.28	1261.28	1460.58	369.51	1699187.92	14365002.27	39°33'27.1269"N	80°47'29.3494"W	1506.60	14.197	6.21	4.94	-4.22	
7325.00	70.320	337.470	6872.71	1348.43	1541.64	337.23	1699155.66	14365083.30	39°33'27.9287"N	80°47'29.7591"W	1578.10	12.339	7.62	7.44	-1.77	
7409.00†	76.144	340.169	6896.93	1428.76	1616.61	308.22	1699126.65	14365158.23	39°33'28.6703"N	80°47'30.1274"W	1645.73	10.794	7.58	6.93	3.21	
7419.00	76.840	340.480	6899.27	1438.48	1625.76	304.94	1699123.38	14365167.39	39°33'28.7609"N	80°47'30.1689"W	1654.12	10.623	7.58	6.96	3.11	
7513.00	78.280	342.020	6919.52	1530.27	1712.68	275.44	1699093.89	14365254.27	39°33'29.6206"N	80°47'30.5430"W	1734.69	9.136	2.21	1.53	1.64	
7607.00	82.720	342.060	6935.03	1622.94	1800.85	246.86	1699065.32	14365342.41	39°33'30.4926"N	80°47'30.9053"W	1817.69	7.806	4.72	4.72	0.04	
7702.00	89.870	344.770	6941.16	1717.59	1891.64	219.83	1699038.30	14365433.16	39°33'31.3906"N	80°47'31.2477"W	1904.38	6.629	8.05	7.53	2.85	
7768.00	90.830	347.140	6940.76	1783.34	1955.67	203.82	1699022.29	14365497.16	39°33'32.0237"N	80°47'31.4503"W	1966.26	5.950	3.87	1.45	3.59	BH AT Curve <8-1/2"> (7702')(7768'-22571')

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Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
7862.00	92.090	343.300	6938.37	1877.04	2046.51	179.85	1698998.34	14365587.96	39°33'32.9220"N	80°47'31.7536"W	2054.39	5.022	4.30	1.34	-4.09	
7957.00	92.060	340.690	6934.93	1971.96	2136.79	150.51	1698969.01	14365678.21	39°33'33.8150"N	80°47'32.1256"W	2142.08	4.029	2.75	-0.03	-2.75	
8051.00	91.880	340.440	6931.69	2065.90	2225.38	119.25	1698937.76	14365766.76	39°33'34.6912"N	80°47'32.5221"W	2228.57	3.067	0.33	-0.19	-0.27	
8146.00	89.260	339.500	6930.75	2160.87	2314.62	86.71	1698905.24	14365855.97	39°33'35.5740"N	80°47'32.9348"W	2316.24	2.145	2.93	-2.76	-0.99	
8241.00	90.580	339.940	6930.88	2255.84	2403.73	53.79	1698872.33	14365945.04	39°33'36.4554"N	80°47'33.3526"W	2404.33	1.282	1.46	1.39	0.46	
8335.00	91.630	340.530	6929.07	2349.81	2492.17	22.01	1698840.56	14366033.45	39°33'37.3302"N	80°47'33.7558"W	2492.27	0.506	1.28	1.12	0.63	
8430.00	91.380	340.490	6926.57	2444.77	2581.70	-9.68	1698808.88	14366122.94	39°33'38.2158"N	80°47'34.1577"W	2581.72	359.785	0.27	-0.26	-0.04	
8524.00	91.110	341.020	6924.53	2538.75	2670.42	-40.66	1698777.92	14366211.63	39°33'39.0934"N	80°47'34.5506"W	2670.73	359.128	0.63	-0.29	0.56	
8619.00	90.180	341.000	6923.46	2633.74	2760.25	-71.57	1698747.02	14366301.42	39°33'39.9818"N	80°47'34.9426"W	2761.17	358.515	0.98	-0.98	-0.02	
8713.00	90.370	340.380	6923.01	2727.74	2848.96	-102.65	1698715.95	14366390.09	39°33'40.8593"N	80°47'35.3369"W	2850.81	357.936	0.69	0.20	-0.66	
8808.00	90.680	340.640	6922.14	2822.73	2938.51	-134.34	1698684.27	14366479.61	39°33'41.7450"N	80°47'35.7389"W	2941.58	357.382	0.43	0.33	0.27	
8902.00	89.880	341.380	6921.68	2916.73	3027.39	-164.93	1698653.69	14366568.46	39°33'42.6242"N	80°47'36.1268"W	3031.88	356.882	1.16	-0.85	0.79	
8997.00	89.230	340.520	6922.42	3011.72	3117.18	-195.94	1698622.70	14366658.21	39°33'43.5123"N	80°47'36.5201"W	3123.34	356.403	1.13	-0.68	-0.91	
9091.00	89.420	342.180	6923.53	3105.71	3206.24	-225.99	1698592.66	14366747.23	39°33'44.3932"N	80°47'36.9012"W	3214.19	355.968	1.78	0.20	1.77	
9186.00	90.370	340.840	6923.70	3200.71	3296.33	-256.12	1698562.54	14366837.29	39°33'45.2843"N	80°47'37.2833"W	3306.27	355.557	1.73	1.00	-1.41	
9280.00	89.750	339.060	6923.60	3294.69	3384.63	-288.35	1698530.33	14366925.55	39°33'46.1577"N	80°47'37.6922"W	3396.89	355.131	2.01	-0.66	-1.89	
9375.00	91.260	340.280	6922.76	3389.65	3473.71	-321.35	1698497.34	14367014.59	39°33'47.0387"N	80°47'38.1109"W	3488.54	354.715	2.04	1.59	1.28	
9469.00	89.630	340.320	6922.03	3483.64	3562.20	-353.03	1698465.67	14367103.05	39°33'47.9141"N	80°47'38.5129"W	3579.65	354.340	1.73	-1.73	0.04	
9564.00	89.880	340.030	6922.44	3578.62	3651.57	-385.25	1698433.46	14367192.38	39°33'48.7980"N	80°47'38.9217"W	3671.83	353.977	0.40	0.26	-0.31	
9658.00	91.110	341.260	6921.63	3672.62	3740.25	-416.40	1698402.32	14367281.03	39°33'49.6752"N	80°47'39.3168"W	3763.35	353.647	1.85	1.31	1.31	
9753.00	88.830	339.210	6921.68	3767.59	3829.64	-448.53	1698370.21	14367370.39	39°33'50.5594"N	80°47'39.7244"W	3855.82	353.320	3.23	-2.40	-2.16	
9848.00	90.220	341.520	6922.47	3862.58	3919.10	-480.44	1698338.31	14367459.81	39°33'51.4443"N	80°47'40.1293"W	3948.44	353.011	2.84	1.46	2.43	
9942.00	89.600	340.400	6922.61	3956.57	4007.96	-511.11	1698307.65	14367548.63	39°33'52.3232"N	80°47'40.5183"W	4040.42	352.733	1.36	-0.66	-1.19	
10037.00	90.280	339.520	6922.71	4051.56	4097.21	-543.66	1698275.11	14367637.85	39°33'53.2060"N	80°47'40.9313"W	4133.12	352.442	1.17	0.72	-0.93	
10131.00	90.430	341.510	6922.13	4145.54	4185.82	-575.01	1698243.77	14367726.42	39°33'54.0824"N	80°47'41.3291"W	4225.13	352.178	2.12	0.16	2.12	
10226.00	90.180	341.870	6921.62	4240.54	4276.01	-604.86	1698213.94	14367816.57	39°33'54.9745"N	80°47'41.7075"W	4318.57	351.949	0.46	-0.26	0.38	
10321.00	90.460	340.260	6921.09	4335.53	4365.86	-635.69	1698183.13	14367906.39	39°33'55.8632"N	80°47'42.0985"W	4411.90	351.716	1.72	0.29	-1.69	
10416.00	90.550	340.950	6920.26	4430.53	4455.47	-667.23	1698151.59	14367995.96	39°33'56.7495"N	80°47'42.4987"W	4505.15	351.483	0.73	0.09	0.73	
10510.00	90.220	340.970	6919.63	4524.52	4544.32	-697.90	1698120.94	14368084.78	39°33'57.6284"N	80°47'42.8877"W	4597.60	351.269	0.35	-0.35	0.02	
10604.00	90.460	341.200	6919.07	4618.52	4633.24	-728.37	1698090.48	14368173.67	39°33'58.5079"N	80°47'43.2742"W	4690.14	351.066	0.35	0.26	0.24	

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Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
10699.00	89.630	339.600	6918.99	4713.51	4722.73	-760.23	1698058.63	14368263.12	39°33'59.3931"N	80°47'43.6785"W	4783.53	350.855	1.90	-0.87	-1.68	
10793.00	90.650	341.860	6918.76	4807.50	4811.46	-791.25	1698027.62	14368351.82	39°34'0.2707"N	80°47'44.0720"W	4876.09	350.661	2.64	1.09	2.40	
10888.00	89.480	339.830	6918.66	4902.50	4901.19	-822.42	1697996.46	14368441.51	39°34'1.1582"N	80°47'44.4674"W	4969.72	350.474	2.47	-1.23	-2.14	
10982.00	90.580	339.730	6918.61	4996.47	4989.40	-854.91	1697963.99	14368529.68	39°34'2.0307"N	80°47'44.8797"W	5062.11	350.277	1.18	1.17	-0.11	
11076.00	90.980	342.970	6917.33	5090.45	5078.44	-884.96	1697933.95	14368618.69	39°34'2.9114"N	80°47'45.2608"W	5154.97	350.115	3.47	0.43	3.45	
11171.00	90.680	339.590	6915.95	5185.42	5168.40	-915.45	1697903.48	14368708.61	39°34'3.8011"N	80°47'45.6475"W	5248.84	349.956	3.57	-0.32	-3.56	
11265.00	90.180	341.190	6915.24	5279.41	5256.94	-946.99	1697871.95	14368797.12	39°34'4.6769"N	80°47'46.0477"W	5341.55	349.788	1.78	-0.53	1.70	
11360.00	90.000	340.950	6915.09	5374.41	5346.80	-977.81	1697841.14	14368886.94	39°34'5.5657"N	80°47'46.4386"W	5435.47	349.636	0.32	-0.19	-0.25	
11455.00	90.090	341.430	6915.02	5469.41	5436.73	-1008.44	1697810.52	14368976.83	39°34'6.4552"N	80°47'46.8272"W	5529.46	349.492	0.51	0.09	0.51	
11549.00	90.280	341.140	6914.72	5563.41	5525.76	-1038.60	1697780.37	14369065.83	39°34'7.3358"N	80°47'47.2097"W	5622.51	349.355	0.37	0.20	-0.31	
11643.00	90.120	341.500	6914.39	5657.41	5614.80	-1068.71	1697750.28	14369154.84	39°34'8.2165"N	80°47'47.5916"W	5715.61	349.223	0.42	-0.17	0.38	
11738.00	89.780	340.680	6914.47	5752.41	5704.67	-1099.50	1697719.50	14369244.67	39°34'9.1054"N	80°47'47.9821"W	5809.66	349.091	0.93	-0.36	-0.86	
11832.00	89.570	340.330	6915.00	5846.40	5793.28	-1130.87	1697688.14	14369333.25	39°34'9.9819"N	80°47'48.3801"W	5902.63	348.955	0.43	-0.22	-0.37	
11927.00	90.430	340.940	6915.00	5941.40	5882.91	-1162.37	1697656.66	14369422.84	39°34'10.8683"N	80°47'48.7798"W	5996.64	348.823	1.11	0.91	0.64	
12021.00	90.030	340.950	6914.63	6035.40	5971.76	-1193.05	1697625.98	14369511.65	39°34'11.7471"N	80°47'49.1691"W	6089.77	348.702	0.43	-0.43	0.01	
12115.00	89.970	340.770	6914.63	6129.40	6060.56	-1223.87	1697595.17	14369600.42	39°34'12.6255"N	80°47'49.5601"W	6182.90	348.583	0.20	-0.06	-0.19	
12210.00	90.180	341.400	6914.50	6224.39	6150.43	-1254.67	1697564.39	14369690.25	39°34'13.5144"N	80°47'49.9508"W	6277.10	348.470	0.70	0.22	0.66	
12304.00	90.220	340.980	6914.17	6318.39	6239.41	-1284.98	1697534.09	14369779.19	39°34'14.3944"N	80°47'50.3352"W	6370.35	348.363	0.45	0.04	-0.45	
12399.00	90.120	340.940	6913.89	6413.39	6329.21	-1315.97	1697503.11	14369868.96	39°34'15.2827"N	80°47'50.7284"W	6464.57	348.254	0.11	-0.11	-0.04	
12493.00	90.180	340.830	6913.65	6507.39	6418.03	-1346.75	1697472.34	14369957.74	39°34'16.1612"N	80°47'51.1189"W	6557.81	348.149	0.13	0.06	-0.12	
12588.00	90.090	341.130	6913.42	6602.39	6507.84	-1377.71	1697441.40	14370047.52	39°34'17.0495"N	80°47'51.5117"W	6652.07	348.047	0.33	-0.09	0.32	
12682.00	89.720	341.580	6913.58	6696.39	6596.91	-1407.76	1697411.36	14370136.55	39°34'17.9304"N	80°47'51.8929"W	6745.44	347.954	0.62	-0.39	0.48	
12777.00	90.000	340.940	6913.81	6791.39	6686.87	-1438.28	1697380.85	14370226.48	39°34'18.8202"N	80°47'52.2801"W	6839.80	347.861	0.74	0.29	-0.67	
12872.00	90.060	341.140	6913.76	6886.39	6776.72	-1469.15	1697349.99	14370316.29	39°34'19.7089"N	80°47'52.6716"W	6934.14	347.768	0.22	0.06	0.21	
12966.00	90.460	341.390	6913.33	6980.39	6865.73	-1499.34	1697319.81	14370405.27	39°34'20.5893"N	80°47'53.0546"W	7027.54	347.681	0.50	0.43	0.27	
13060.00	89.820	341.340	6913.11	7074.38	6954.80	-1529.38	1697289.79	14370494.31	39°34'21.4703"N	80°47'53.4356"W	7120.98	347.598	0.68	-0.68	-0.05	
13155.00	90.030	341.000	6913.23	7169.38	7044.72	-1560.04	1697259.14	14370584.19	39°34'22.3596"N	80°47'53.8246"W	7215.39	347.513	0.42	0.22	-0.36	
13249.00	89.970	341.100	6913.23	7263.38	7133.63	-1590.57	1697228.63	14370673.06	39°34'23.2390"N	80°47'54.2119"W	7308.80	347.431	0.12	-0.06	0.11	
13343.00	90.090	341.260	6913.18	7357.38	7222.60	-1620.89	1697198.31	14370761.99	39°34'24.1190"N	80°47'54.5966"W	7402.25	347.351	0.21	0.13	0.17	
13438.00	89.660	340.500	6913.39	7452.38	7312.36	-1652.01	1697167.21	14370851.72	39°34'25.0068"N	80°47'54.9914"W	7496.65	347.269	0.92	-0.45	-0.80	

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Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
13532.00	89.940	341.190	6913.72	7546.38	7401.15	-1682.85	1697136.38	14370940.48	39°34'25.8850"N	80°47'55.3827"W	7590.06	347.190	0.79	0.30	0.73	
13627.00	89.720	340.930	6914.00	7641.38	7491.01	-1713.69	1697105.56	14371030.30	39°34'26.7738"N	80°47'55.7739"W	7684.53	347.114	0.36	-0.23	-0.27	
13721.00	90.650	341.800	6913.69	7735.38	7580.08	-1743.72	1697075.53	14371119.33	39°34'27.6548"N	80°47'56.1550"W	7778.06	347.045	1.35	0.99	0.93	
13816.00	90.280	341.560	6912.92	7830.37	7670.26	-1773.58	1697045.68	14371209.48	39°34'28.5467"N	80°47'56.5337"W	7872.64	346.980	0.46	-0.39	-0.25	
13910.00	89.940	342.130	6912.74	7924.36	7759.58	-1802.87	1697016.41	14371298.76	39°34'29.4301"N	80°47'56.9052"W	7966.27	346.920	0.71	-0.36	0.61	
14005.00	90.090	341.650	6912.72	8019.35	7849.87	-1832.40	1696986.89	14371389.02	39°34'30.3232"N	80°47'57.2797"W	8060.91	346.861	0.53	0.16	-0.51	
14099.00	90.620	340.880	6912.14	8113.34	7938.89	-1862.59	1696956.71	14371478.00	39°34'31.2036"N	80°47'57.6627"W	8154.46	346.796	0.99	0.56	-0.82	
14194.00	90.620	341.560	6911.11	8208.34	8028.83	-1893.17	1696926.14	14371567.90	39°34'32.0931"N	80°47'58.0507"W	8249.01	346.732	0.72	0.00	0.72	
14288.00	90.710	341.670	6910.02	8302.32	8118.02	-1922.82	1696896.51	14371657.06	39°34'32.9753"N	80°47'58.4268"W	8342.63	346.675	0.15	0.10	0.12	
14383.00	90.830	340.880	6908.74	8397.31	8207.99	-1953.31	1696866.02	14371746.99	39°34'33.8651"N	80°47'58.8137"W	8437.21	346.614	0.84	0.13	-0.83	
14477.00	90.060	341.040	6908.01	8491.31	8296.84	-1983.98	1696835.37	14371835.81	39°34'34.7439"N	80°47'59.2027"W	8530.75	346.552	0.84	-0.82	0.17	
14572.00	90.060	341.370	6907.91	8586.31	8386.77	-2014.59	1696804.78	14371925.71	39°34'35.6335"N	80°47'59.5911"W	8625.34	346.493	0.35	0.00	0.35	
14666.00	90.060	341.370	6907.81	8680.31	8475.85	-2044.61	1696774.76	14372014.74	39°34'36.5145"N	80°47'59.9720"W	8718.97	346.438	0.00	0.00	0.00	
14760.00	91.600	343.590	6906.45	8774.26	8565.47	-2072.91	1696746.48	14372104.33	39°34'37.4008"N	80°48'0.3308"W	8812.73	346.396	2.87	1.64	2.36	
14855.00	89.600	341.270	6905.45	8869.22	8656.02	-2101.58	1696717.82	14372194.85	39°34'38.2964"N	80°48'0.6944"W	8907.49	346.353	3.22	-2.11	-2.44	
14949.00	89.750	340.900	6905.99	8963.21	8744.94	-2132.05	1696687.36	14372283.73	39°34'39.1759"N	80°48'1.0810"W	9001.09	346.298	0.42	0.16	-0.39	
15044.00	89.880	341.900	6906.29	9058.21	8834.98	-2162.35	1696657.07	14372373.73	39°34'40.0664"N	80°48'1.4654"W	9095.75	346.247	1.06	0.14	1.05	
15137.00	90.580	341.460	6905.92	9151.20	8923.27	-2191.58	1696627.85	14372461.98	39°34'40.9396"N	80°48'1.8362"W	9188.46	346.201	0.89	0.75	-0.47	
15232.00	90.180	341.520	6905.29	9246.20	9013.35	-2221.74	1696597.70	14372552.03	39°34'41.8306"N	80°48'2.2189"W	9283.14	346.153	0.43	-0.42	0.06	
15327.00	89.660	341.420	6905.42	9341.19	9103.42	-2251.93	1696567.52	14372642.07	39°34'42.7215"N	80°48'2.6019"W	9377.82	346.106	0.56	-0.55	-0.11	
15421.00	89.910	341.430	6905.78	9435.19	9192.53	-2281.88	1696537.59	14372731.14	39°34'43.6027"N	80°48'2.9818"W	9471.51	346.059	0.27	0.27	0.01	
15516.00	89.820	341.130	6906.00	9530.19	9282.50	-2312.36	1696507.12	14372821.03	39°34'44.4926"N	80°48'3.3686"W	9566.18	346.012	0.33	-0.09	-0.32	
15610.00	89.480	341.280	6906.57	9624.19	9371.49	-2342.65	1696476.84	14372910.03	39°34'45.3728"N	80°48'3.7529"W	9659.85	345.965	0.40	-0.36	0.16	
15705.00	89.570	341.420	6907.36	9719.18	9461.49	-2373.03	1696446.48	14373000.00	39°34'46.2630"N	80°48'4.1383"W	9754.54	345.920	0.18	0.09	0.15	
15800.00	89.260	341.170	6908.33	9814.18	9551.47	-2403.49	1696416.02	14373089.94	39°34'47.1529"N	80°48'4.5248"W	9849.23	345.876	0.42	-0.33	-0.26	
15894.00	89.720	341.370	6909.17	9908.17	9640.49	-2433.68	1696385.85	14373178.92	39°34'48.0334"N	80°48'4.9078"W	9942.93	345.832	0.53	0.49	0.21	
15988.00	89.910	340.980	6909.47	10002.17	9729.46	-2464.01	1696355.53	14373267.86	39°34'48.9134"N	80°48'5.2926"W	10036.62	345.789	0.46	0.20	-0.41	
16082.00	89.480	340.870	6909.97	10096.17	9818.30	-2494.73	1696324.83	14373356.66	39°34'49.7920"N	80°48'5.6825"W	10130.28	345.743	0.47	-0.46	-0.12	
16176.00	89.750	341.500	6910.60	10190.17	9907.27	-2525.04	1696294.52	14373445.60	39°34'50.6720"N	80°48'6.0671"W	10223.99	345.702	0.73	0.29	0.67	
16270.00	89.720	341.110	6911.04	10284.16	9996.31	-2555.17	1696264.41	14373534.60	39°34'51.5527"N	80°48'6.4494"W	10317.71	345.662	0.42	-0.03	-0.41	

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Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
16365.00	89.750	341.460	6911.48	10379.16	10086.29	-2585.65	1696233.94	14373624.54	39°34'52.4426"N	80°48'6.8362"W	10412.44	345.622	0.37	0.03	0.37	
16459.00	89.570	341.170	6912.04	10473.16	10175.33	-2615.77	1696203.83	14373713.55	39°34'53.3233"N	80°48'7.2183"W	10506.17	345.583	0.36	-0.19	-0.31	
16554.00	89.850	341.290	6912.52	10568.16	10265.28	-2646.33	1696173.28	14373803.46	39°34'54.2129"N	80°48'7.6062"W	10600.90	345.544	0.32	0.29	0.13	
16649.00	89.540	341.370	6913.02	10663.15	10355.28	-2676.74	1696142.88	14373893.43	39°34'55.1031"N	80°48'7.9920"W	10695.64	345.507	0.34	-0.33	0.08	
16743.00	89.290	340.900	6913.98	10757.15	10444.22	-2707.14	1696112.50	14373982.34	39°34'55.9828"N	80°48'8.3777"W	10789.37	345.469	0.57	-0.27	-0.50	
16837.00	89.750	341.910	6914.77	10851.14	10533.31	-2737.11	1696082.54	14374071.39	39°34'56.8639"N	80°48'8.7580"W	10883.13	345.434	1.18	0.49	1.07	
16931.00	89.690	341.680	6915.23	10945.13	10622.61	-2766.48	1696053.18	14374160.65	39°34'57.7471"N	80°48'9.1306"W	10976.94	345.403	0.25	-0.06	-0.24	
17026.00	89.230	341.200	6916.13	11040.13	10712.66	-2796.71	1696022.96	14374250.67	39°34'58.6378"N	80°48'9.5142"W	11071.71	345.369	0.70	-0.48	-0.51	
17120.00	89.050	341.140	6917.54	11134.12	10801.62	-2827.05	1695992.64	14374339.59	39°34'59.5176"N	80°48'9.8992"W	11165.45	345.333	0.20	-0.19	-0.06	
17215.00	89.850	341.030	6918.45	11229.11	10891.48	-2857.84	1695961.85	14374429.42	39°35'0.4064"N	80°48'10.2900"W	11260.18	345.297	0.85	0.84	-0.12	
17309.00	89.480	341.550	6919.00	11323.11	10980.52	-2888.00	1695931.71	14374518.41	39°35'1.2870"N	80°48'10.6726"W	11353.95	345.264	0.68	-0.39	0.55	
17404.00	89.820	341.270	6919.58	11418.10	11070.56	-2918.28	1695901.44	14374608.42	39°35'2.1775"N	80°48'11.0569"W	11448.74	345.232	0.46	0.36	-0.29	
17498.00	89.350	340.530	6920.26	11512.10	11159.38	-2949.04	1695870.70	14374697.21	39°35'3.0561"N	80°48'11.4472"W	11542.47	345.197	0.93	-0.50	-0.79	
17592.00	89.630	339.110	6921.10	11606.07	11247.60	-2981.46	1695838.28	14374785.39	39°35'3.9287"N	80°48'11.8589"W	11636.05	345.154	1.54	0.30	-1.51	
17687.00	89.660	340.240	6921.68	11701.04	11336.68	-3014.46	1695805.30	14374874.44	39°35'4.8098"N	80°48'12.2778"W	11730.62	345.109	1.19	0.03	1.19	
17782.00	89.600	340.440	6922.30	11796.03	11426.14	-3046.42	1695773.35	14374963.87	39°35'5.6947"N	80°48'12.6836"W	11825.29	345.071	0.22	-0.06	0.21	
17876.00	89.630	340.900	6922.93	11890.03	11514.84	-3077.53	1695742.25	14375052.53	39°35'6.5720"N	80°48'13.0785"W	11919.01	345.036	0.49	0.03	0.49	
17970.00	89.200	340.390	6923.89	11984.02	11603.53	-3108.69	1695711.11	14375141.18	39°35'7.4491"N	80°48'13.4739"W	12012.73	345.002	0.71	-0.46	-0.54	
18065.00	89.350	340.010	6925.09	12079.00	11692.90	-3140.86	1695678.95	14375230.52	39°35'8.3331"N	80°48'13.8824"W	12107.39	344.965	0.43	0.16	-0.40	
18159.00	89.850	340.380	6925.75	12172.99	11781.34	-3172.71	1695647.11	14375318.92	39°35'9.2078"N	80°48'14.2867"W	12201.07	344.928	0.66	0.53	0.39	
18253.00	89.940	340.680	6925.92	12266.99	11869.96	-3204.04	1695615.79	14375407.51	39°35'10.0844"N	80°48'14.6844"W	12294.79	344.894	0.33	0.10	0.32	
18347.00	89.510	339.470	6926.37	12360.97	11958.33	-3236.08	1695583.77	14375495.84	39°35'10.9585"N	80°48'15.0911"W	12388.46	344.858	1.37	-0.46	-1.29	
18441.00	89.940	339.870	6926.82	12454.94	12046.48	-3268.73	1695551.13	14375583.95	39°35'11.8303"N	80°48'15.5058"W	12482.08	344.819	0.62	0.46	0.43	
18536.00	89.850	340.930	6927.00	12549.93	12135.97	-3300.60	1695519.27	14375673.41	39°35'12.7155"N	80°48'15.9103"W	12576.79	344.785	1.12	-0.09	1.12	
18630.00	89.420	339.630	6927.59	12643.92	12224.45	-3332.32	1695487.57	14375761.86	39°35'13.5907"N	80°48'16.3129"W	12670.50	344.752	1.46	-0.46	-1.38	
18725.00	89.660	340.180	6928.36	12738.90	12313.67	-3364.96	1695454.94	14375851.04	39°35'14.4731"N	80°48'16.7274"W	12765.16	344.716	0.63	0.25	0.58	
18819.00	89.850	340.490	6928.76	12832.89	12402.18	-3396.59	1695423.32	14375939.52	39°35'15.3486"N	80°48'17.1289"W	12858.89	344.684	0.39	0.20	0.33	
18914.00	89.570	340.410	6929.24	12927.88	12491.71	-3428.38	1695391.55	14376029.00	39°35'16.2340"N	80°48'17.5325"W	12953.63	344.653	0.31	-0.29	-0.08	
19008.00	89.420	340.180	6930.07	13021.87	12580.20	-3460.07	1695359.87	14376117.46	39°35'17.1093"N	80°48'17.9349"W	13047.36	344.622	0.29	-0.16	-0.24	
19103.00	89.750	339.970	6930.76	13116.86	12669.51	-3492.45	1695327.50	14376206.74	39°35'17.9927"N	80°48'18.3459"W	13142.06	344.589	0.41	0.35	-0.22	



Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Skinner Hollow Unit 2H
Field	Wetzel		API	47-103-03559-0000
Facility	Ingold Pad		Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C			

WELLPATH DATA (247 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
19197.00	89.450	340.110	6931.41	13210.84	12757.86	-3524.53	1695295.43	14376295.05	39°35'18.8665"N	80°48'18.7533"W	13235.76	344.556	0.35	-0.32	0.15	
19292.00	89.660	339.980	6932.15	13305.82	12847.15	-3556.95	1695263.02	14376384.31	39°35'19.7497"N	80°48'19.1649"W	13330.46	344.524	0.26	0.22	-0.14	
19387.00	89.660	340.150	6932.71	13400.81	12936.46	-3589.34	1695230.64	14376473.58	39°35'20.6331"N	80°48'19.5762"W	13425.18	344.493	0.18	0.00	0.18	
19481.00	89.660	340.050	6933.27	13494.79	13024.85	-3621.34	1695198.66	14376561.93	39°35'21.5073"N	80°48'19.9824"W	13518.90	344.462	0.11	0.00	-0.11	
19576.00	90.000	340.110	6933.55	13589.78	13114.16	-3653.71	1695166.31	14376651.21	39°35'22.3907"N	80°48'20.3934"W	13613.63	344.432	0.36	0.36	0.06	
19670.00	89.510	339.890	6933.96	13683.76	13202.49	-3685.86	1695134.17	14376739.51	39°35'23.2644"N	80°48'20.8016"W	13707.34	344.401	0.57	-0.52	-0.23	
19765.00	89.540	340.300	6934.74	13778.75	13291.81	-3718.20	1695101.84	14376828.79	39°35'24.1478"N	80°48'21.2122"W	13802.08	344.372	0.43	0.03	0.43	
19859.00	89.750	340.390	6935.33	13872.74	13380.33	-3749.82	1695070.24	14376917.28	39°35'25.0234"N	80°48'21.6137"W	13895.84	344.345	0.24	0.22	0.10	
19954.00	89.940	340.000	6935.58	13967.73	13469.71	-3782.00	1695038.06	14377006.62	39°35'25.9074"N	80°48'22.0223"W	13990.59	344.316	0.46	0.20	-0.41	
20048.00	89.660	340.710	6935.91	14061.72	13558.24	-3813.60	1695006.47	14377095.11	39°35'26.7830"N	80°48'22.4236"W	14084.37	344.290	0.81	-0.30	0.76	
20143.00	89.480	340.490	6936.62	14156.71	13647.84	-3845.16	1694974.93	14377184.68	39°35'27.6693"N	80°48'22.8241"W	14179.17	344.265	0.30	-0.19	-0.23	
20238.00	89.540	340.550	6937.44	14251.71	13737.40	-3876.84	1694943.26	14377274.20	39°35'28.5551"N	80°48'23.2263"W	14273.97	344.240	0.09	0.06	0.06	
20332.00	89.350	340.450	6938.35	14345.70	13826.01	-3908.21	1694911.90	14377362.77	39°35'29.4314"N	80°48'23.6247"W	14367.76	344.216	0.23	-0.20	-0.11	
20426.00	89.420	340.580	6939.36	14439.69	13914.62	-3939.57	1694880.56	14377451.35	39°35'30.3079"N	80°48'24.0227"W	14461.56	344.192	0.16	0.07	0.14	
20521.00	89.170	340.120	6940.53	14534.67	14004.08	-3971.51	1694848.63	14377540.77	39°35'31.1927"N	80°48'24.4283"W	14556.34	344.167	0.55	-0.26	-0.48	
20615.00	89.230	339.590	6941.84	14628.64	14092.32	-4003.88	1694816.27	14377628.98	39°35'32.0655"N	80°48'24.8394"W	14650.07	344.139	0.57	0.06	-0.56	
20710.00	89.260	340.060	6943.09	14723.61	14181.48	-4036.64	1694783.52	14377718.11	39°35'32.9474"N	80°48'25.2554"W	14744.79	344.111	0.50	0.03	0.49	
20804.00	89.350	340.130	6944.23	14817.59	14269.86	-4068.64	1694751.54	14377806.45	39°35'33.8215"N	80°48'25.6618"W	14838.56	344.086	0.12	0.10	0.07	
20898.00	89.320	340.020	6945.32	14911.57	14358.23	-4100.68	1694719.52	14377894.78	39°35'34.6956"N	80°48'26.0685"W	14932.32	344.061	0.12	-0.03	-0.12	
20993.00	89.260	340.280	6946.50	15006.56	14447.58	-4132.93	1694687.27	14377984.10	39°35'35.5793"N	80°48'26.4781"W	15027.10	344.036	0.28	-0.06	0.27	
21088.00	89.260	340.300	6947.72	15101.54	14537.00	-4164.97	1694655.25	14378073.49	39°35'36.4638"N	80°48'26.8849"W	15121.89	344.013	0.02	0.00	0.02	
21182.00	89.320	340.140	6948.89	15195.52	14625.45	-4196.78	1694623.45	14378161.90	39°35'37.3386"N	80°48'27.2888"W	15215.67	343.989	0.18	0.06	-0.17	
21277.00	89.420	340.540	6949.93	15290.51	14714.91	-4228.74	1694591.51	14378251.32	39°35'38.2234"N	80°48'27.6946"W	15310.48	343.967	0.43	0.11	0.42	
21371.00	89.260	340.140	6951.02	15384.50	14803.42	-4260.36	1694559.90	14378339.80	39°35'39.0989"N	80°48'28.0961"W	15404.28	343.944	0.46	-0.17	-0.43	
21466.00	89.880	341.690	6951.73	15479.49	14893.19	-4291.42	1694528.85	14378429.54	39°35'39.9867"N	80°48'28.4904"W	15499.15	343.926	1.76	0.65	1.63	
21561.00	89.050	341.240	6952.62	15574.48	14983.26	-4321.62	1694498.66	14378519.57	39°35'40.8775"N	80°48'28.8737"W	15594.05	343.911	0.99	-0.87	-0.47	
21655.00	90.250	341.130	6953.19	15668.48	15072.24	-4351.93	1694468.36	14378608.50	39°35'41.7575"N	80°48'29.2585"W	15687.94	343.895	1.28	1.28	-0.12	
21750.00	90.250	342.280	6952.78	15763.47	15162.43	-4381.75	1694438.55	14378698.66	39°35'42.6496"N	80°48'29.6370"W	15782.87	343.881	1.21	0.00	1.21	
21844.00	90.030	341.810	6952.55	15857.45	15251.85	-4410.73	1694409.59	14378788.05	39°35'43.5340"N	80°48'30.0047"W	15876.82	343.870	0.55	-0.23	-0.50	
21938.00	90.120	341.190	6952.42	15951.45	15340.99	-4440.56	1694379.77	14378877.16	39°35'44.4156"N	80°48'30.3833"W	15970.74	343.857	0.67	0.10	-0.66	



Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

WELLPATH DATA (247 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
22033.00	90.120	341.120	6952.22	16046.45	15430.90	-4471.24	1694349.10	14378967.03	39°35'45.3048"N	80°48'30.7728"W	16065.64	343.841	0.07	0.00	-0.07	
22222.00	90.180	338.210	6951.73	16235.37	15608.10	-4536.91	1694283.45	14379144.16	39°35'47.0575"N	80°48'31.6069"W	16254.12	343.792	1.54	0.03	-1.54	
22317.00	90.740	342.510	6950.97	16330.34	15697.55	-4568.84	1694251.54	14379233.57	39°35'47.9422"N	80°48'32.0123"W	16348.93	343.772	4.56	0.59	4.53	
22412.00	90.830	343.470	6949.67	16425.28	15788.39	-4596.62	1694223.77	14379324.37	39°35'48.8405"N	80°48'32.3648"W	16443.91	343.768	1.01	0.09	1.01	
22506.00	90.920	342.220	6948.23	16519.22	15878.19	-4624.35	1694196.06	14379414.14	39°35'49.7287"N	80°48'32.7165"W	16537.88	343.762	1.33	0.10	-1.33	
22571.00	90.120	342.480	6947.64	16584.20	15940.13	-4644.05	1694176.36	14379476.05	39°35'50.3412"N	80°48'32.9666"W	16602.86	343.757	1.29	-1.23	0.40	
22596.00‡	90.120	342.480	6947.59	16609.19	15963.97	-4651.58	1694168.83	14379499.88	39°35'50.5770"N	80°48'33.0621"W	16627.85	343.755	0.00	0.00	0.00	Projected MD at TD: 22596'

HOLE & CASING SECTIONS - Ref Wellbore: Skinner Hollow Unit 2H AWB Ref Wellpath: Skinner Hollow Unit 2H AWP Proj: 22596'										
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	0.06	-0.27	
17.5in Open Hole	125.50	554.00	428.50	125.50	554.00	0.06	-0.27	0.30	0.35	
13.375in Casing Surface	25.50	554.00	528.50	25.50	554.00	0.00	0.00	0.30	0.35	
12.25in Open Hole	554.00	3475.00	2921.00	554.00	3451.18	0.30	0.35	216.11	111.13	
9.625in Casing Intermediate	25.50	3404.00	3378.50	25.50	3382.13	0.00	0.00	199.70	109.27	
8.75in Open Hole	3475.00	7766.00	4291.00	3451.18	6940.79	216.11	111.13	1953.72	204.26	
8.5in Open Hole	7766.00	22596.00	14830.00	6940.79	6947.59	1953.72	204.26	15963.97	-4651.58	
5.5in Casing Production	25.50	22576.00	22550.50	25.50	6947.63	0.00	0.00	15944.90	-4645.56	



Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Skinner Hollow Unit 2H POE Rev-2	6908.00	1381.33	379.43	1699197.84	14364923.05	39°33'26.3434"N	80°47'29.2251"W	point
Skinner Hollow Unit 2H POE Rev-4	6911.00	1566.69	315.76	1699134.19	14365108.34	39°33'28.1768"N	80°47'30.0326"W	point
Skinner Hollow Unit 2H BHL Rev-3	6938.00	16039.16	-4655.82	1694164.59	14379575.04	39°35'51.3202"N	80°48'33.1143"W	point
Skinner Hollow Unit 2H BHL Rev-4	6938.00	15984.93	-4637.20	1694183.21	14379520.84	39°35'50.7839"N	80°48'32.8778"W	point
Skinner Hollow Unit 2H LP Rev-1	6938.00	1750.92	252.47	1699070.93	14365292.49	39°33'29.9990"N	80°47'30.8352"W	point
Skinner Hollow Unit 2H 50' L/R Hard Line	7250.00	8710.24	-2138.20	1696681.22	14372249.05	39°34'38.8331"N	80°48'1.1605"W	rectangle
	2D Rectangle 15498.6 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Skinner Hollow Unit 2H AWB Ref Wellpath: Skinner Hollow Unit 2H AWP Proj: 22596'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	555.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-555')	Skinner Hollow Unit 2H AWB	4/23/2023
555.00	3401.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (555')(681'-3401')	Skinner Hollow Unit 2H AWB	4/23/2023
3401.00	7702.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3401')(3456'-7702')	Skinner Hollow Unit 2H AWB	5/17/2023
7702.00	22596.00	BH AutoTrak CurveExpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (7702')(7768'-22571')	Skinner Hollow Unit 2H AWB	5/17/2023



Actual Wellpath Report

Skinner Hollow Unit 2H AWP Proj: 22596'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Skinner Hollow Unit 2H
Field	Wetzel	API	47-103-03559-0000
Facility	Ingold Pad	Wellbore	Skinner Hollow Unit 2H AWB
Slot	Slot C		

COMMENTS
<p>Wellpath general comments API: 47-103-03559-0000 BH Job #: 111779813 Rig: H&P 317 Duration: 5/21/2023-5/26/2023 Gyrodata MS Gyro <17-1/2"> (100'-555') APS EM <12-1/4"> (555')(681'-3401') APS EM <8-3/4"> (3401')(3456'-7702') BH AT Curve <8-1/2"> (7702')(7768'-22571') Projected MD at TD: 22596'</p>