



ANTERO RESOURCES CORPORATION



Location: Tyler County, WV
Field: Tyler
Facility: Grand Pad

Slot: Slot #04
Well: Tapeats Unit 2H
Wellbore: Tapeats Unit 2H PWB

Grid System: NAD83 / UTM Zone 17 North, US foot
North Reference: Grid north
Scale: True distance
Coordinates are in feet referenced to slot
Mean Sea Level to Ground level (At Slot #04): 1243.5 feet
Official wellbore IDs are referenced to each well's default MD datum

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Grand Pad	14346649.540	39°30'25.7688"N	80°48'38.4504"W
Slot #04	40.01	20.65	80°48'38.2180"W
Tapeats Unit 2H	14346609.550	39°30'25.3910"N	80°48'38.2180"W

Well Profile Data									
Design Comment	MD (ft)	Az (°)	Inc (")	Local N (ft)	Local E (ft)	DLS (*/100ft)	VS (ft)	VS (ft)	VS (ft)
Tile On	2689.00	27.740	81.240	2524.42	69.18	0.26	-152.11		
Prof. to Bottom	2745.00	27.740	81.240	2591.09	74.50	0.00	-158.30		
Drill Out	2825.00	27.740	81.240	2652.49	80.23	0.00	-164.81		
End of 3D Arc	2929.00	25.949	81.070	2755.94	87.46	2.00	-172.96		
Curve KOP	6889.56	25.949	81.070	6145.75	340.13	0.00	-452.81		
POE	7700.27	75.125	341.166	6852.00	938.91	2470.82	91.18		
Landing Pt.	7688.24	90.000	341.166	6876.00	1112.92	2411.47	275.03		
BHL	23884.73	90.000	341.166	16207.51	-2737.21	0.00	16223.55		

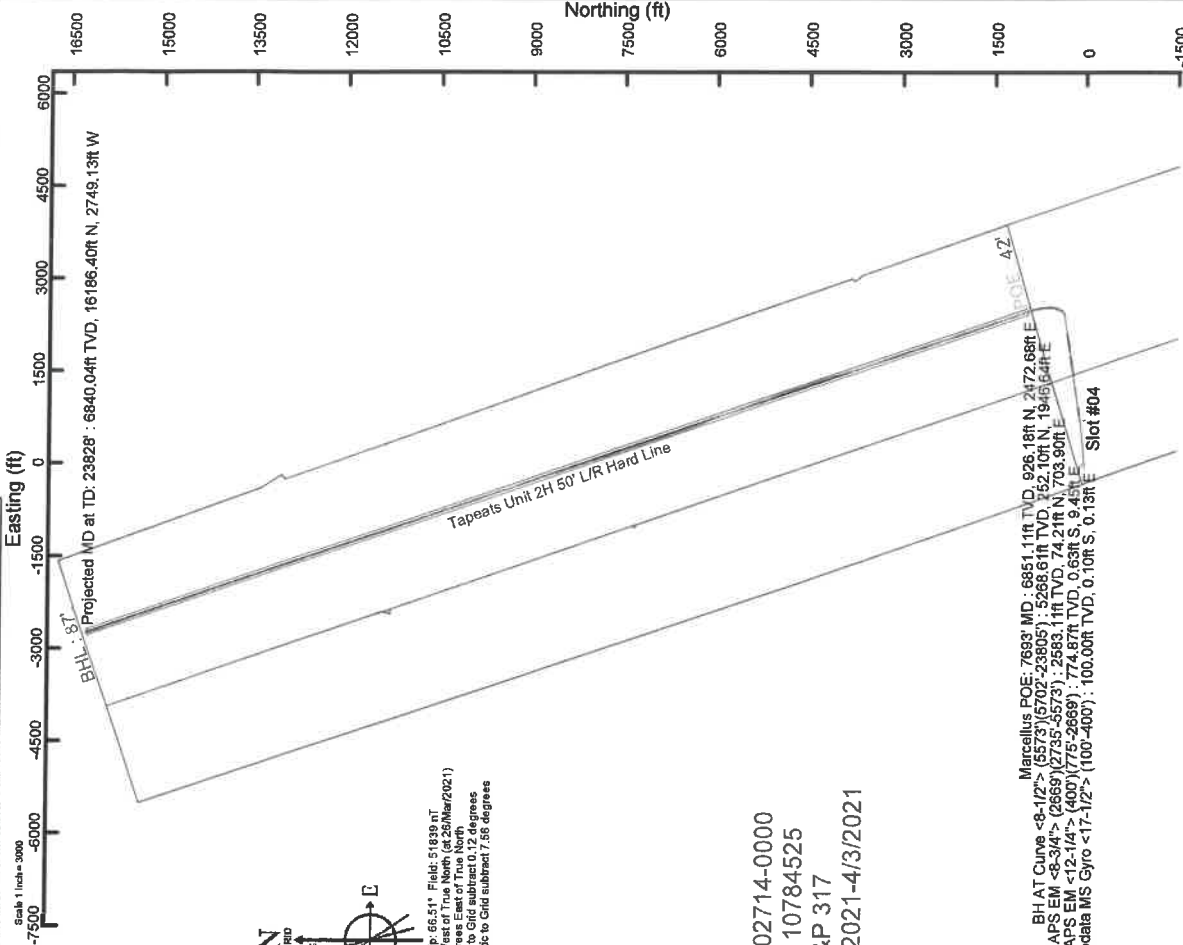
Well Data		
Slot	Well	Wellbore
Slot #04	Tapeats Unit 2H	Tapeats Unit 2H AWP
Slot #04	Tapeats Unit 2H	Tapeats Unit 2H PWB

Scale 1 inch = 2500'

True Vertical Depth (ft)

1250 0 1250 2500 3750 5000 6250 7500

Gridyodata MS Gyro <17-1/2"> : 0.26° Inc, 100.00ft MD, 100.00ft TVD, -0.14ft VS
 APS EM <12-1/4"> (400)(775-2669) : 2.63° Inc, 775.00ft MD, 774.87ft TVD, -3.64ft VS
 APS EM <8-3/4"> (2669)(2735-5573) : 26.71° Inc, 2735.00ft MD, 2583.11ft TVD, -156.96ft VS



User specified (HDGM) Dip: 66.51° Field: 51639 nT
 Magnetic North is 7.44 degrees West of True North (at 25/Mar/2021)
 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 7.56 degrees

API: 47-095-02714-0000
 BH Job #: 110784525
 Rig: H&P 317
 Duration: 3/29/2021-4/3/2021

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Projected MD at TD: 23828' : 90.25° Inc, 23828.00ft MD, 6840.04ft TVD, 16207.42ft VS

Scale 1 inch = 2000'

Vertical Section (ft): 17500, 16250, 15000, 13750, 12500, 11250, 10000, 8750, 7500, 6250, 5000, 3750, 2500, 1250, 0, -1250

Azimuth 341.17° with reference 0.00 N, 0.00 E

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #04
Well	Tapeats Unit 2H
API	47-095-02714-0000
Wellbore	Tapeats Unit 2H AWB

REPORT SETUP INFORMATION	
Projection System	NAD27 / UTM Zone 17 North, US feet
North Reference	Grid
Scale	0.999603
Convergence at slot	0.12" East
Software System	WellArchitect® 6.0
User	Edsaryar
Report Generated	06/Apr/2021 at 21:25
Database	WA_MPL_EASTERNUS_Defn

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-40.01	20.65	1693834.61	14346609.55	39°30'25.3910"N	80°48'38.2180"W
Facility Reference Pt			1693813.97	14346649.54	39°30'25.7868"N	80°48'38.4804"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM	
Calculation method	Minimum curvature
Horizontal Reference Pt	Slot
Vertical Reference Pt	H&P 317 (RKB)
MD Reference Pt	H&P 317 (RKB)
Field Vertical Reference	Mean Sea Level
	H&P 317 (RKB) to Facility Vertical Datum
	H&P 317 (RKB) to Mean Sea Level
	H&P 317 (RKB) to Ground Level at Slot (Slot #04)
	Section Origin
	Section Azimuth
	1268.50ft
	1268.50ft
	25.50ft
	N 0.00, E 0.00 ft
	341.17°

API 47-095-02714 Farm Name Kenneth Tomblin Et Al Well Number Tapeats Unit 2H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	5/31/2021	23708.6	23663.9	36	Marcellus
2	5/31/2021	23622.54195	23407.5937	36	Marcellus
3	5/31/2021	23369.4356	23154.4873	36	Marcellus
4	6/1/2021	23116.32925	22901.381	36	Marcellus
5	6/1/2021	22863.2229	22648.2746	36	Marcellus
6	6/2/2021	22610.11655	22395.1683	36	Marcellus
7	6/2/2021	22357.0102	22142.0619	36	Marcellus
8	6/2/2021	22103.90385	21888.9556	36	Marcellus
9	6/3/2021	21850.79751	21635.8492	36	Marcellus
10	6/3/2021	21597.69116	21382.7429	36	Marcellus
11	6/3/2021	21344.58481	21129.6365	36	Marcellus
12	6/4/2021	21091.47846	20876.5302	36	Marcellus
13	6/4/2021	20838.37211	20623.4238	36	Marcellus
14	6/4/2021	20585.26576	20370.3175	36	Marcellus
15	6/5/2021	20332.15941	20117.2111	36	Marcellus
16	6/5/2021	20079.05306	19864.1048	36	Marcellus
17	6/5/2021	19825.94671	19610.9984	36	Marcellus
18	6/6/2021	19572.84036	19357.8921	36	Marcellus
19	6/6/2021	19319.73401	19104.7857	36	Marcellus
20	6/6/2021	19066.62766	18851.6794	36	Marcellus
21	6/7/2021	18813.52132	18598.573	36	Marcellus
22	6/7/2021	18560.41497	18345.4667	36	Marcellus
23	6/7/2021	18307.30862	18092.3603	36	Marcellus
24	6/7/2021	18054.20227	17839.254	36	Marcellus
25	6/8/2021	17801.09592	17586.1476	36	Marcellus
26	6/8/2021	17547.98957	17333.0413	36	Marcellus
27	6/9/2021	17294.88322	17079.9349	36	Marcellus
28	6/9/2021	17041.77687	16826.8286	36	Marcellus
29	6/9/2021	16788.67052	16573.7222	36	Marcellus
30	6/9/2021	16535.56417	16320.6159	36	Marcellus
31	6/10/2021	16282.45782	16067.5095	36	Marcellus
32	6/10/2021	16029.35147	15814.4032	36	Marcellus
33	6/11/2021	15776.24512	15561.2968	36	Marcellus
34	6/11/2021	15523.13878	15308.1905	36	Marcellus
35	6/11/2021	15270.03243	15055.0841	36	Marcellus
36	6/12/2021	15016.92608	14801.9778	36	Marcellus
37	6/12/2021	14763.81973	14548.8714	36	Marcellus
38	6/12/2021	14510.71338	14295.7651	36	Marcellus
39	6/13/2021	14257.60703	14042.6587	36	Marcellus
40	6/13/2021	14004.50068	13789.5524	36	Marcellus
41	6/13/2021	13751.39433	13536.446	36	Marcellus
42	6/14/2021	13498.28798	13283.3397	36	Marcellus
43	6/14/2021	13245.18163	13030.2333	36	Marcellus
44	6/14/2021	12992.07528	12777.127	36	Marcellus
45	6/15/2021	12738.96893	12524.0206	36	Marcellus
46	6/15/2021	12485.86259	12270.9143	36	Marcellus
47	6/15/2021	12232.75624	12017.8079	36	Marcellus
48	6/16/2021	11979.64989	11764.7016	36	Marcellus
49	6/16/2021	11726.54354	11511.5952	36	Marcellus
50	6/16/2021	11473.43719	11258.4889	36	Marcellus
51	6/17/2021	11220.33084	11005.3825	36	Marcellus
52	6/17/2021	10967.22449	10752.2762	36	Marcellus
53	6/17/2021	10714.11814	10499.1698	36	Marcellus
54	6/18/2021	10461.01179	10246.0635	36	Marcellus
55	6/18/2021	10207.90544	9992.95714	36	Marcellus
56	6/18/2021	9954.799093	9739.85079	36	Marcellus
57	6/19/2021	9701.692744	9486.74444	36	Marcellus
58	6/19/2021	9448.586395	9233.6381	36	Marcellus
59	6/19/2021	9195.480045	8980.53175	36	Marcellus
60	6/19/2021	8942.373696	8727.4254	36	Marcellus
61	6/20/2021	8689.267347	8474.31905	36	Marcellus
62	6/20/2021	8436.160998	8221.2127	36	Marcellus
63	6/20/2021	8183.054649	7968.10635	36	Marcellus
64	6/21/2021	7929.948299	7715	36	Marcellus

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EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	5/31/2021	78.44	9751	7370	4081.15	176640	250515	N/A
2	5/31/2021	84.58	10077	6272	3818	505500	382306	N/A
3	5/31/2021	85.05	10055	5996	3694	509950	385948	N/A
4	6/1/2021	82.22	9789	5752	3716.44	514880	393600	N/A
5	6/1/2021	83.58	9764	5934	3986	507050	385099	N/A
6	6/2/2021	92.09	10079	5198	3435	511680	387276	N/A
7	6/2/2021	87.4	10062	5795	3410.29	504945	368535	N/A
8	6/2/2021	89.3	10050	5519	3380	504420	364820	N/A
9	6/3/2021	89.08	9865	9837	3687	505000	362450	N/A
10	6/3/2021	89.78	10024	7134	3657.32	508880	364929	N/A
11	6/3/2021	92.47	10039	10528	3587.86	504360	361062	N/A
12	6/4/2021	94.91	10012	9637	3768	504250	362153	N/A
13	6/4/2021	93.86	9964	9543	2999.94	503740	360809	N/A
14	6/4/2021	96.33	10053	9495	3324	511340	363129	N/A
15	6/5/2021	96.51	9970	9492	3525	507560	362761	N/A
16	6/5/2021	92.21	10057	9385	3511.22	502660	359319	N/A
17	6/5/2021	91.14	9871	9363	3269	506250	361165	N/A
18	6/6/2021	96.54	10038	9912	3128	517150	361815	N/A
19	6/6/2021	95.58	10013	9584	2733.5	506210	367277	N/A
20	6/6/2021	95.26	10022	9280	2944.15	509100	362036	N/A
21	6/7/2021	94.68	9916	9601	3627	513310	472126	N/A
22	6/7/2021	94.94	9916	9041	3191.58	504340	362458	N/A
23	6/7/2021	92.1	9575	7344	3088.99	505760	360260	N/A
24	6/7/2021	96.55	9876	8897	3529	510650	362494	N/A
25	6/8/2021	92.84	9591	7996	3256.98	502660	356147	N/A
26	6/8/2021	97.26	9987	9618	3492.51	505520	357397	N/A
27	6/9/2021	97.7	9916	7552	3717	508950	356312	N/A
28	6/9/2021	95.24	9750.21	3584.29	3241.68	504920	358444	N/A
29	6/9/2021	96.57	9659	6190	3522	505060	354612	N/A
30	6/9/2021	98.01	9915	7600	3432	509900	356319	N/A
31	6/10/2021	96.64	9490	8052	4019	512260	357948	N/A
32	6/10/2021	93.45	9366	5871	3725	511480	364455	N/A
33	6/11/2021	96.78	8969	4609	4028.77	499300	352452	N/A
34	6/11/2021	94.3	9048	8106	3798	503960	356030	N/A
35	6/11/2021	96.74	9048	5745	3870	506990	374136	N/A
36	6/12/2021	96.33	9069	7018	3560	506640	393471	N/A
37	6/12/2021	92.74	8673	6994	3677	509260	373435	N/A
38	6/12/2021	96.67	8982	7723	3639	516690	373004	N/A
39	6/13/2021	94.63	9046	7226	3861	506260	372859	N/A
40	6/13/2021	94.8	8869.61	7619.38	3858.77	507700	332541	N/A
41	6/13/2021	96.28	8983	5513	3373	512890	369974	N/A
42	6/14/2021	96.07	8803	8114	3635	505620	373284	N/A
43	6/14/2021	97.14	8998	6558	3420	506820	372439	N/A
44	6/14/2021	97.17	8984	5651	3569	503180	371150	N/A
45	6/15/2021	94.49	9072	8601	3576	515520	379862	N/A
46	6/15/2021	97.11	8945	8847	3466	507000	371815	N/A
47	6/15/2021	97.61	8763	6557	3402	507980	371583	N/A
48	6/16/2021	96.62	8874	7022	3641	507900	373316	N/A
49	6/16/2021	97.95	8698	7985	3400	507770	373483	N/A
50	6/16/2021	96.81	8722	8070	3164	505080	369802	N/A
51	6/17/2021	94.72	8640	7549	2972	508620	370372	N/A
52	6/17/2021	93.38	8175	8370	2939	504080	369505	N/A
53	6/17/2021	96.34	8634	7448	3082	506060	369835	N/A
54	6/18/2021	97.57	8347	7758	3097	503600	368770	N/A
55	6/18/2021	96.03	8645	9088	3276	508070	372502	N/A
56	6/18/2021	94.31	8481	8668	3323	507960	370366	N/A
57	6/19/2021	96.67	8310	4554	3224	506910	368588	N/A
58	6/19/2021	97.7	8066	8006	3165	510020	369364	N/A
59	6/19/2021	97.31	8238	8564	3185	509420	371050	N/A
60	6/19/2021	96.47	8430	7387	3043	500800	368718	N/A
61	6/20/2021	97.04	8019	7992	3159	516270	372525	N/A
62	6/20/2021	98.55	7815	7543	3174	512070	373203	N/A
63	6/20/2021	96.4	7473	5402	3421	521760	366758	N/A
64	6/21/2021	97.25	7570	7462	3496	517020	369061	N/A
	AVG=	94	9,248	7,596	3,453	32,185,595	23,521,229	TOTAL

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	74	164	74	164
Shaley Siltstone	164	194	164	194
Shaley Sandstone	194	314	194	314
Shaley Siltstone	314	734	314	734
Sandy Siltstone	734	674	734	674
Shaley Siltstone, Tr Limestone	674	1,314	674	1,314
Shaley Sandstone	1,314	1,554	1,314	1,554
Sandstone, Tr Shale	1,554	1,664	1,554	1,664
Silty Shale	1,664	1,734	1,664	1,734
Shaley Siltstone	1,734	1,784	1,734	1,784
Sandy Shale	1,784	1,974	1,784	1,974
Shale, Tr Limestone	1,974	2,084	1,974	2,084
Shaley Limestone	2,084	2,019	2,084	N/A
Big Lime	2,045	2,968	2,099	3,162
Fifty Foot Sandstone	2,968	3,096	3,136	3,305
Gordon	3,096	3,402	3,279	3,652
Fifth Sandstone	3,402	3,471	3,626	3,729
Bayard	3,471	4,164	3,703	4,494
Speechley	4,164	4,484	4,468	4,847
Balltown	4,484	4,892	4,821	5,292
Bradford	4,892	5,154	5,266	5,576
Benson	5,154	5,414	5,550	5,864
Alexander	5,414	6,661	5,838	7,288
Sycamore	6,521	6,635	7,114	7,262
Middlesex	6,635	6,735	7,262	7,424
Burkett	6,735	6,766	7,424	7,489
Tully	6,766	6,824	7,489	7,667
Marcellus	6,824	NA	7,667	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION		Well	Tapeats Unit 2H
Operator	ANTERO RESOURCES CORPORATION	API	47-095-02714-0000
Field	Taylor	Wellbore	Tapeats Unit 2H AWB
Facility	Grand Pad		
Slot	Slot #04		

WELLPATH DATA (272 stations) † = interpolated, ‡ = extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [1/100ft]	Build Rate [1/100ft]	Turn Rate [1/100ft]	Comments
0.00†	0.000	127.090	0.00	0.00	0.00	0.00	16938834.61	14346609.55	39°30'25.3910"N	80°48'38.2180"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	127.090	25.50	0.00	0.00	0.00	16938834.61	14346609.55	39°30'25.3910"N	80°48'38.2180"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.260	127.090	100.00	-0.14	-0.10	0.13	16938834.74	14346608.45	39°30'25.3900"N	80°48'38.2163"W	0.17	127.090	0.35	0.00	Gyrodata MS Gyro <17-1/2"> (100'-400')	
200.00	0.280	132.780	200.00	-0.54	-0.40	0.50	16938835.10	14346608.15	39°30'25.3870"N	80°48'38.2117"W	0.64	129.261	0.03	0.02	5.69	
300.00	0.260	135.190	300.00	-0.96	-0.73	0.83	16938835.44	14346608.82	39°30'25.3837"N	80°48'38.2074"W	1.11	131.246	0.02	-0.02	2.41	
400.00	0.170	187.490	400.00	-1.30	-1.04	0.97	16938835.58	14346608.51	39°30'25.3807"N	80°48'38.2056"W	1.43	136.840	0.21	-0.09	52.30	
775.00	2.630	83.560	774.87	-3.64	-0.63	9.45	16938844.06	14346608.92	39°30'25.3846"N	80°48'37.9170"W	9.47	93.790	0.71	0.66	-27.71	APS EM <12-1/4"> (400')(775'-2669')
956.00	6.350	90.790	955.28	-7.90	-0.30	23.59	16938858.19	14346608.25	39°30'25.3875"N	80°48'37.9170"W	23.60	90.724	2.07	2.06	3.99	
1140.00	8.200	87.520	1044.55	-11.38	-0.09	34.98	16938869.58	14346609.46	39°30'25.3894"N	80°48'37.7717"W	34.98	90.146	2.11	2.06	-3.63	
1235.00	13.290	81.670	1230.15	-19.54	3.29	70.20	1693904.78	14346612.84	39°30'25.3993"N	80°48'37.5738"W	50.50	88.920	2.84	2.81	-2.54	
1330.00	15.560	81.610	1322.15	-23.84	6.73	93.61	1693928.18	14346616.28	39°30'25.4556"N	80°48'37.0236"W	93.85	85.886	2.39	2.39	-0.06	
1425.00	18.500	83.750	1412.97	-29.43	10.23	121.21	1693955.77	14346619.78	39°30'25.4896"N	80°48'36.6714"W	121.64	85.173	3.16	3.09	2.25	
1520.00	21.480	84.420	1502.24	-36.70	13.57	153.51	1693988.06	14346623.11	39°30'25.5219"N	80°48'36.2592"W	154.10	84.949	3.15	3.14	0.71	
1614.00	24.430	85.910	1588.78	-45.60	15.63	190.03	1694024.57	14346626.17	39°30'25.5513"N	80°48'35.7931"W	190.76	84.999	3.20	3.14	1.59	
1709.00	25.900	86.070	1674.77	-55.93	19.45	230.33	1694054.85	14346628.99	39°30'25.5784"N	80°48'35.2790"W	231.15	85.173	1.55	1.55	0.17	
1804.00	26.390	85.130	1760.05	-66.36	22.67	272.07	1694106.57	14346632.21	39°30'25.6093"N	80°48'34.7464"W	273.01	85.238	0.68	0.52	-0.99	
1899.00	27.140	84.900	1844.87	-76.60	26.38	314.68	1694149.17	14346635.92	39°30'25.6452"N	80°48'34.2026"W	315.79	85.207	0.80	0.79	-0.24	
1993.00	27.420	84.530	1928.41	-86.69	30.35	357.58	1694192.05	14346639.89	39°30'25.6835"N	80°48'33.6551"W	358.87	85.148	0.35	0.30	-0.39	
2088.00	27.950	84.230	2012.54	-96.77	34.68	401.51	1694235.96	14346644.21	39°30'25.7253"N	80°48'33.0946"W	403.00	85.064	0.58	0.56	-0.32	
2183.00	27.900	83.280	2096.47	-106.46	39.52	445.73	1694280.17	14346648.05	39°30'25.7722"N	80°48'32.5303"W	447.48	84.934	0.47	-0.05	-1.00	
2278.00	28.240	83.320	2180.30	-115.86	44.73	490.13	1694324.55	14346654.26	39°30'25.8228"N	80°48'31.9637"W	492.17	84.785	0.36	0.36	0.04	
2373.00	28.520	82.820	2263.88	-125.17	50.18	534.96	1694369.35	14346659.71	39°30'25.8757"N	80°48'31.3917"W	537.30	84.641	0.39	0.29	-0.53	
2468.00	28.390	82.620	2347.40	-134.23	55.92	579.86	1694414.23	14346665.44	39°30'25.9315"N	80°48'30.8187"W	582.55	84.492	0.17	-0.14	-0.21	
2562.00	28.540	82.120	2430.04	-142.93	61.87	624.26	1694456.62	14346671.39	39°30'25.9894"N	80°48'30.2520"W	627.32	84.340	0.30	0.16	-0.53	
2657.00	27.760	81.290	2513.80	-151.13	68.33	668.61	1694502.95	14346677.85	39°30'26.0523"N	80°48'29.6860"W	672.09	84.165	0.92	-0.82	-0.87	
2669.00	27.740	81.240	2524.42	-152.11	69.18	674.13	1694508.47	14346678.70	39°30'26.0606"N	80°48'29.6155"W	677.67	84.141	0.26	-0.17	-0.42	
2735.00	26.710	79.540	2583.11	-156.96	74.21	703.90	1694538.23	14346683.73	39°30'26.1097"N	80°48'29.2356"W	707.80	83.982	1.96	-1.56	-2.58	APS EM <8-3/4"> (2669')(2735'-5573')
2823.00	28.050	76.610	2661.26	-161.80	82.59	743.48	1694577.80	14346692.11	39°30'26.1917"N	80°48'28.7304"W	748.06	83.661	2.16	1.52	-3.33	
2912.00	27.040	75.460	2740.17	-165.29	92.52	783.42	1694617.72	14346702.03	39°30'26.2889"N	80°48'28.2206"W	788.87	83.265	1.28	-1.13	-1.29	

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'

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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #04
Well	Tapeats Unit 2H
API	47-095-02714-0000
Wellbore	Tapeats Unit 2H AWB

WELLPATH DATA (272 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 (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
3000.00	24.440	76.230	2819.43	-168.40	101.87	820.47	1694654.76	14346711.38	39°30'26.3806"N	80°48'27.7477"W	826.77	82.922	2.98	-2.95	0.87	
3089.00	23.390	83.300	2900.80	-173.73	108.32	855.91	1694690.18	14346717.82	39°30'26.4436"N	80°48'27.2954"W	862.74	82.787	3.43	-1.18	7.94	
3177.00	25.050	89.100	2981.07	-183.14	110.65	891.89	1694726.15	14346720.15	39°30'26.4659"N	80°48'26.8362"W	898.73	82.928	3.29	1.89	6.59	
3266.00	27.160	86.950	3060.98	-194.47	112.03	931.02	1694765.26	14346721.53	39°30'26.4786"N	80°48'26.3370"W	937.74	83.139	2.60	2.37	-2.42	
3354.00	28.110	82.230	3138.85	-203.91	115.90	971.62	1694805.85	14346725.40	39°30'26.5160"N	80°48'25.8189"W	978.51	83.198	2.71	1.08	-5.36	
3442.00	28.130	82.350	3216.57	-211.91	121.46	1012.73	1694846.93	14346730.96	39°30'26.5670"N	80°48'25.2943"W	1019.98	83.161	0.07	0.02	0.14	
3531.00	28.140	77.820	3295.06	-218.41	128.68	1054.04	1694888.23	14346738.18	39°30'26.6407"N	80°48'24.7671"W	1061.87	83.039	2.40	0.01	-5.09	
3619.00	27.670	77.090	3372.83	-222.92	137.63	1094.24	1694928.41	14346747.12	39°30'26.7282"N	80°48'24.2539"W	1102.86	82.831	0.66	-0.53	-0.83	
3708.00	26.000	79.940	3452.24	-228.02	145.65	1133.60	1694967.75	14346755.14	39°30'26.8067"N	80°48'23.7516"W	1142.91	82.678	2.37	-1.88	3.20	
3797.00	25.410	80.720	3532.44	-234.17	152.14	1171.65	1695005.79	14346761.63	39°30'26.8700"N	80°48'23.2660"W	1181.48	82.602	0.76	-0.66	0.88	
3885.00	25.430	82.260	3611.92	-240.93	157.73	1209.00	1695043.13	14346767.22	39°30'26.9244"N	80°48'22.7892"W	1219.25	82.567	0.75	0.02	1.75	
3973.00	25.380	82.000	3691.41	-248.11	162.90	1246.40	1695080.51	14346772.38	39°30'26.9747"N	80°48'22.3120"W	1257.00	82.554	0.14	-0.06	-0.30	
4062.00	24.880	84.220	3771.98	-255.92	167.44	1283.92	1695118.01	14346776.92	39°30'27.0188"N	80°48'21.8332"W	1294.79	82.570	1.20	-0.56	2.49	
4150.00	24.470	81.010	3851.95	-263.22	172.15	1320.34	1695154.42	14346781.63	39°30'27.0646"N	80°48'21.3684"W	1331.51	82.571	1.59	-0.47	-3.65	
4239.00	24.450	79.550	3932.97	-269.05	178.37	1356.66	1695190.73	14346787.85	39°30'27.1253"N	80°48'20.9049"W	1368.33	82.510	0.88	-0.02	-1.64	
4322.00	25.160	78.210	4017.39	-274.28	185.90	1394.94	1695228.99	14346795.38	39°30'27.1989"N	80°48'20.4163"W	1407.27	82.409	0.97	0.76	-1.44	
4420.00	25.030	77.870	4097.08	-278.74	193.64	1431.45	1695265.49	14346803.11	39°30'27.2746"N	80°48'19.9503"W	1444.49	82.296	0.22	-0.15	-0.39	
4509.00	24.970	77.440	4177.74	-282.99	201.68	1468.19	1695302.22	14346811.15	39°30'27.3533"N	80°48'19.4813"W	1481.98	82.179	0.22	-0.07	-0.48	
4597.00	25.000	77.980	4257.51	-287.03	209.78	1504.47	1695338.48	14346819.25	39°30'27.4326"N	80°48'19.0192"W	1519.02	82.062	0.04	0.03	-0.07	
4686.00	24.730	79.820	4338.26	-291.87	217.18	1541.14	1695375.14	14346826.64	39°30'27.5049"N	80°48'18.5501"W	1556.37	81.979	1.19	-0.30	2.74	
4774.00	25.130	80.080	4418.06	-297.53	223.65	1577.67	1695411.65	14346833.11	39°30'27.5881"N	80°48'18.0839"W	1593.44	81.931	0.47	0.45	0.30	
4863.00	25.450	80.680	4498.53	-303.62	230.00	1615.15	1695449.12	14346839.46	39°30'27.6301"N	80°48'17.6055"W	1631.45	81.895	0.46	0.36	0.67	
4951.00	24.710	82.540	4578.23	-310.37	235.45	1652.05	1695486.00	14346844.91	39°30'27.6832"N	80°48'17.1346"W	1668.75	81.889	1.23	-0.84	2.11	
5039.00	23.970	85.080	4658.41	-318.29	239.38	1688.10	1695522.04	14346848.83	39°30'27.7212"N	80°48'16.6746"W	1704.99	81.929	1.48	-0.84	2.89	
5128.00	22.500	87.680	4740.19	-327.48	241.62	1723.13	1695557.05	14346851.07	39°30'27.7425"N	80°48'16.2276"W	1739.98	82.018	2.01	-1.65	2.92	
5216.00	22.480	90.130	4821.50	-337.73	242.26	1756.78	1695590.69	14346851.71	39°30'27.7482"N	80°48'15.7983"W	1773.40	82.148	1.07	-0.02	2.78	
5308.00	22.910	92.030	4906.38	-349.82	241.58	1792.26	1695626.16	14346851.04	39°30'27.7407"N	80°48'15.3456"W	1808.47	82.323	0.92	0.47	2.07	
5396.00	23.020	89.460	4987.41	-361.32	241.14	1826.59	1695660.47	14346850.59	39°30'27.7356"N	80°48'14.9077"W	1842.44	82.479	1.15	0.12	-2.92	
5485.00	22.980	85.980	5069.34	-371.22	242.52	1861.32	1695695.19	14346851.98	39°30'27.7485"N	80°48'14.4646"W	1877.05	82.576	1.53	-0.04	-3.91	
5573.00	23.020	84.750	5150.34	-379.65	245.30	1895.59	1695729.45	14346854.75	39°30'27.7753"N	80°48'14.0273"W	1911.40	82.627	0.55	0.05	-1.40	



Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION		
Field	Taylor	Well	Tapeats Unit 2H
Facility	Grand Pad	API	47-095-02714-0000
Slot	Slot #04	Wellbore	Tapeats Unit 2H AWB

WELLPATH DATA (272 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(US ft)	(US ft)			(ft)	(°)	(°/100ft)	(°/100ft)		
5702.00	24.070	80.180	5268.61	-389.691	252.10	1946.64	1695780.47	14346866.55	39°30'27.8413"N	80°48'13.3758"W	1962.89	82.621	1.63	0.81	-3.54	BHAT Curve <8-1/2"> (5573)(5702-23805)
5790.00	27.040	77.380	5347.99	-394.67	259.53	1983.95	1695817.67	14346868.98	39°30'27.9140"N	80°48'12.9009"W	2000.75	82.547	3.64	3.38	-3.18	
5879.00	27.760	77.190	5427.01	-399.03	268.54	2023.80	1695857.60	14346877.99	39°30'28.0022"N	80°48'12.3909"W	2041.54	82.441	0.81	0.81	-0.21	
5967.00	29.770	77.520	5504.15	-403.60	277.81	2065.12	1695898.91	14346887.25	39°30'28.0929"N	80°48'11.8635"W	2083.72	82.338	2.29	2.28	0.37	
6056.00	29.150	77.920	5581.64	-408.48	287.23	2107.86	1695941.63	14346896.67	39°30'28.1851"N	80°48'11.3179"W	2127.34	82.240	0.70	0.70	0.11	
6144.00	29.600	76.960	5658.32	-413.08	296.73	2149.97	1695983.72	14346906.16	39°30'28.2782"N	80°48'10.7804"W	2170.35	82.142	0.63	0.51	-0.75	
6232.00	28.720	79.910	5735.17	-418.48	305.34	2191.96	1696025.70	14346914.77	39°30'28.3622"N	80°48'10.2444"W	2213.13	82.070	1.91	-1.00	3.35	
6321.00	26.930	80.760	5813.88	-425.09	312.32	2232.91	1696066.63	14346921.75	39°30'28.4304"N	80°48'9.7218"W	2254.85	82.038	2.06	-2.01	0.96	
6409.00	26.190	80.260	5892.59	-431.48	318.81	2271.72	1696105.43	14346928.23	39°30'28.4936"N	80°48'9.2263"W	2293.98	82.011	0.88	-0.84	-0.57	
6498.00	25.250	80.280	5972.78	-437.59	325.34	2309.79	1696143.48	14346934.76	39°30'28.5573"N	80°48'8.7406"W	2332.59	81.983	1.06	-1.06	0.02	
6586.00	24.180	80.610	6052.71	-443.51	331.44	2346.07	1696179.75	14346940.86	39°30'28.6169"N	80°48'8.2776"W	2369.37	81.959	1.23	-1.22	0.37	
6675.00	25.320	79.700	6133.54	-449.33	337.82	2382.78	1696216.44	14346947.24	39°30'28.6791"N	80°48'7.8090"W	2406.61	81.931	1.35	1.28	-1.02	
6763.00	24.230	63.430	6213.53	-449.69	349.28	2417.49	1696251.13	14346958.69	39°30'28.7916"N	80°48'7.3659"W	2442.59	81.779	7.82	-1.24	-18.49	
6851.00	25.470	51.350	6293.43	-440.83	369.19	2448.44	1696282.07	14346968.84	39°30'28.9877"N	80°48'6.9705"W	2476.11	81.425	5.93	1.41	-13.73	
6940.00	26.530	38.040	6373.49	-423.47	396.82	2475.65	1696309.28	14347006.21	39°30'29.2802"N	80°48'6.6225"W	2507.25	80.894	6.65	1.19	-14.96	
7028.00	28.890	27.420	6451.44	-398.01	431.19	2497.57	1696331.18	14347040.57	39°30'29.5994"N	80°48'6.3419"W	2534.52	80.205	6.21	2.68	-12.07	
7117.00	33.220	10.980	6527.81	-361.90	474.31	2512.15	1696345.76	14347083.67	39°30'30.0253"N	80°48'6.1547"W	2556.53	79.308	10.66	4.87	-18.47	
7141.00	34.512	8.576	6547.74	-350.16	487.48	2514.41	1696348.02	14347096.84	39°30'30.1555"N	80°48'6.1254"W	2561.23	79.028	7.75	5.38	-10.02	Sycamore: 7141' MD
7205.00	38.160	2.890	6599.30	-315.68	525.18	2518.12	1696351.72	14347134.52	39°30'30.5279"N	80°48'6.0771"W	2572.30	78.219	7.75	5.70	-8.88	
7287.00	44.038	1.625	6661.07	-265.391	579.02	2520.34	1696353.94	14347188.34	39°30'31.0600"N	80°48'6.0490"W	2585.86	77.061	7.24	7.17	-1.54	Middlesex: 7287' MD
7294.00	44.540	1.530	6666.08	-260.81	583.91	2520.34	1696353.94	14347193.22	39°30'31.1083"N	80°48'6.0471"W	2587.09	76.956	7.24	7.18	-1.36	
7382.00	52.610	358.130	6724.26	-198.33	649.82	2520.02	1696353.63	14347259.11	39°30'31.7597"N	80°48'6.0493"W	2602.45	75.541	9.61	9.17	-3.86	
7446.00	58.507	354.950	6761.58	-145.86	704.11	2516.69	1696350.30	14347313.38	39°30'32.2964"N	80°48'6.0903"W	2613.33	74.370	9.77	8.94	-4.80	Burkett: 7446' MD
7471.00	60.580	353.950	6773.24	-126.57	723.84	2514.77	1696348.38	14347333.10	39°30'32.4914"N	80°48'6.1142"W	2616.87	73.942	9.77	9.01	-4.39	
7514.00	64.071	352.005	6793.21	-89.300	761.63	2510.11	1696343.72	14347370.87	39°30'32.8650"N	80°48'6.1727"W	2623.11	73.121	9.05	8.12	-4.52	Tully: 7514' MD
7559.00	67.750	350.090	6811.57	-48.84	802.20	2503.71	1696337.32	14347411.43	39°30'33.2861"N	80°48'6.2532"W	2629.08	72.234	9.05	8.18	-4.26	
7603.00	72.390	347.900	6826.57	-7.87	842.78	2495.80	1696329.42	14347452.00	39°30'33.6674"N	80°48'6.3529"W	2634.26	71.341	11.54	10.55	-4.98	
7647.00	74.030	343.390	6839.28	34.11	883.58	2485.36	1696318.97	14347492.78	39°30'34.0708"N	80°48'6.4851"W	2637.74	70.429	10.50	3.73	-10.25	
7693.00	76.185	343.463	6851.11	78.53	926.18	2472.88	1696306.30	14347535.36	39°30'34.4921"N	80°48'6.6456"W	2640.44	69.466	4.64	4.64	0.16	Marcellus POE: 7693' MD
7736.00	78.160	343.530	6860.67	120.42	966.38	2460.77	1696294.40	14347575.54	39°30'34.8897"N	80°48'6.7964"W	2643.72	68.559	4.64	4.64	0.16	

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION		Well
Operator	ANTERO RESOURCES CORPORATION	Tapeats Unit 2H
Field	Tyler	47-095-02714-0000
Facility	Grand Pad	Tapeats Unit 2H AWB
Slot	Slot #04	Wellbore

WELLPATH DATA (272 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 [1/100ft]	Build Rate [1/100ft]	Turn Rate [1/100ft]	Comments
7824.00	85.630	343.040	6873.06	207.42	1048.76	2435.72	1696269.36	14347558.89	39°30'35.7143"N	80°48'7.1136"W	2652.31	66.685	8.51	8.49	-0.56	
7913.00	90.000	341.600	6876.46	296.31	1134.47	2408.72	1696242.37	14347743.57	39°30'36.5521"N	80°48'7.4556"W	2662.51	64.780	5.17	4.91	-1.62	
8001.00	89.630	341.610	6876.74	384.31	1217.97	2380.95	1696214.61	14347927.04	39°30'37.3780"N	80°48'7.8077"W	2674.39	62.908	0.42	-0.42	0.01	
8090.00	89.630	341.410	6877.32	473.30	1302.38	2352.73	1696186.40	14347911.41	39°30'38.2128"N	80°48'8.1655"W	2689.14	61.033	0.22	0.00	-0.22	
8178.00	89.690	341.690	6877.84	561.30	1385.85	2324.88	1696158.56	14347994.85	39°30'39.0384"N	80°48'8.5185"W	2706.59	59.201	0.33	0.07	0.32	
8267.00	89.200	341.830	6878.70	650.29	1470.37	2297.02	1696130.71	14348079.34	39°30'39.8744"N	80°48'8.8715"W	2727.33	57.376	0.57	-0.55	0.16	
8355.00	89.480	341.890	6879.71	738.28	1554.00	2269.62	1696103.33	14348162.93	39°30'40.7014"N	80°48'9.2187"W	2750.65	55.601	0.33	0.32	0.07	
8443.00	89.170	341.270	6880.75	826.27	1637.48	2241.82	1696075.54	14348246.38	39°30'41.5271"N	80°48'9.5711"W	2776.17	53.855	0.79	-0.35	-0.70	
8532.00	89.720	341.110	6881.61	915.27	1721.72	2213.13	1696046.85	14348330.59	39°30'42.3604"N	80°48'9.9349"W	2803.97	52.119	0.64	0.62	-0.18	
8620.00	88.710	341.540	6882.82	1003.26	1805.08	2184.95	1696018.69	14348413.91	39°30'43.1848"N	80°48'10.2920"W	2834.14	50.438	1.25	-1.15	0.49	
8709.00	90.280	342.500	6883.60	1092.24	1889.73	2157.48	1695991.23	14348498.52	39°30'44.0220"N	80°48'10.6401"W	2868.06	48.785	2.07	1.76	1.08	
8798.00	90.120	341.850	6883.29	1181.22	1974.45	2130.24	1695964.00	14348583.22	39°30'44.8600"N	80°48'10.9854"W	2904.54	47.173	0.75	-0.18	-0.73	
8886.00	90.000	340.520	6883.20	1269.22	2057.75	2101.86	1695935.63	14348666.48	39°30'45.6836"N	80°48'11.3452"W	2941.45	45.608	1.52	-0.14	-1.51	
8974.00	88.770	337.170	6884.15	1357.13	2139.80	2070.10	1695903.89	14348748.50	39°30'46.4954"N	80°48'11.7480"W	2977.26	44.052	4.06	-1.40	-3.81	
9063.00	89.230	337.860	6885.70	1445.93	2222.02	2036.07	1695869.87	14348830.69	39°30'47.3088"N	80°48'12.1799"W	3013.80	42.500	0.93	0.52	0.78	
9152.00	89.350	337.960	6886.80	1534.78	2304.48	2002.61	1695836.42	14348913.11	39°30'48.1245"N	80°48'12.6046"W	3053.04	40.991	0.18	0.13	0.11	
9240.00	89.630	338.980	6887.58	1622.68	2386.34	1970.31	1695804.14	14348994.94	39°30'48.9342"N	80°48'13.0144"W	3094.63	39.545	1.20	0.32	1.16	
9328.00	89.140	339.550	6888.53	1710.63	2468.63	1939.16	1695773.00	14349077.20	39°30'49.7482"N	80°48'13.4096"W	3139.19	38.150	0.85	-0.56	0.65	
9417.00	89.420	339.530	6889.65	1799.58	2552.01	1908.05	1695741.90	14349160.54	39°30'50.5729"N	80°48'13.8042"W	3186.44	36.784	0.32	0.31	-0.02	
9506.00	89.630	343.310	6890.39	1888.56	2636.35	1879.70	1695713.56	14349244.85	39°30'51.4071"N	80°48'14.1636"W	3237.84	35.489	4.25	0.24	4.25	
9594.00	91.320	342.860	6890.66	1976.51	2720.54	1854.10	1695687.97	14349329.01	39°30'52.2397"N	80°48'14.4879"W	3292.27	34.275	1.99	1.92	-0.51	
9683.00	89.140	339.060	6890.30	2065.49	2804.65	1825.07	1695658.95	14349413.08	39°30'53.0716"N	80°48'14.8559"W	3346.18	33.053	4.92	-2.45	-4.27	
9771.00	89.480	339.230	6890.36	2153.42	2886.88	1793.74	1695627.64	14349495.28	39°30'53.8850"N	80°48'15.2534"W	3398.76	31.854	0.43	0.39	0.19	
9860.00	89.260	340.130	6891.34	2242.39	2970.33	1762.84	1695596.75	14349578.70	39°30'54.7105"N	80°48'15.6454"W	3454.05	30.688	1.04	-0.25	1.01	
9948.00	90.000	342.630	6891.91	2330.38	3053.72	1734.75	1695568.66	14349662.05	39°30'55.5352"N	80°48'16.0015"W	3512.06	29.800	2.96	0.84	2.84	
10037.00	89.720	342.610	6892.12	2419.35	3139.66	1708.16	1695542.09	14349746.95	39°30'56.3752"N	80°48'16.3384"W	3573.37	28.556	0.32	-0.31	-0.02	
10125.00	90.280	343.490	6892.12	2507.30	3222.83	1682.51	1695516.44	14349831.10	39°30'57.2077"N	80°48'16.6634"W	3635.58	27.667	1.19	0.64	1.00	
10213.00	89.970	341.690	6891.93	2595.27	3306.80	1656.18	1695490.13	14349915.03	39°30'58.0381"N	80°48'16.9970"W	3698.35	26.604	2.08	-0.35	-2.05	
10302.00	90.770	342.220	6891.36	2684.26	3391.42	1628.61	1695462.57	14349999.61	39°30'58.8750"N	80°48'17.3465"W	3762.19	25.651	1.08	0.90	0.60	
10390.00	90.830	343.460	6890.13	2772.21	3475.49	1602.65	1695436.62	14350083.65	39°30'59.7065"N	80°48'17.6754"W	3827.21	24.756	1.41	0.07	1.41	



Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 2H
Field	Tyler	API	47-095-02714-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 2H AWB
Slot	Slot #04		

WELLPATH DATA (272 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 (F/100ft)	Build Rate (F/100ft)	Turn Rate (F/100ft)	Comments
10479.00	92.740	342.850	6887.36	2861.11	3560.63	1576.87	1695410.85	14350168.76	39°31'0.5485"N	80°48'18.0019"W	3894.17	23.887	2.25	2.15	-0.69	
10567.00	88.580	342.970	6886.34	2949.04	3644.72	1551.02	1695385.01	14350252.81	39°31'1.3801"N	80°48'18.3295"W	3961.01	23.052	4.73	-4.73	0.14	
10656.00	91.050	343.740	6886.63	3037.97	3729.98	1525.53	1695359.53	14350338.04	39°31'2.2234"N	80°48'18.6524"W	4029.88	22.244	2.91	2.78	0.87	
10744.00	87.600	343.470	6887.67	3125.87	3814.38	1500.69	1695334.71	14350422.41	39°31'3.0581"N	80°48'18.9669"W	4098.97	21.476	3.93	-3.92	-0.31	
10833.00	86.340	342.200	6890.82	3214.78	3899.36	1474.44	1695308.47	14350507.36	39°31'3.8955"N	80°48'19.2965"W	4168.81	20.713	1.65	0.83	-1.43	
10921.00	88.000	342.940	6893.63	3302.70	3983.28	1448.10	1695282.13	14350591.24	39°31'4.7284"N	80°48'19.6334"W	4238.34	19.978	0.93	-0.39	0.84	
11010.00	89.570	343.770	6895.52	3391.62	4068.53	1422.61	1695256.66	14350676.45	39°31'5.5715"N	80°48'20.0110"W	4310.07	19.273	2.00	1.76	0.93	
11098.00	91.020	342.620	6895.06	3479.56	4152.76	1397.17	1695231.22	14350760.86	39°31'6.4046"N	80°48'20.2785"W	4381.50	18.595	2.10	1.65	-1.31	
11187.00	89.850	342.820	6894.39	3568.52	4237.74	1370.74	1695204.80	14350845.60	39°31'7.2450"N	80°48'20.6135"W	4453.92	17.924	1.33	-1.31	0.22	
11275.00	88.610	343.320	6895.57	3656.46	4321.92	1345.11	1695179.19	14350929.75	39°31'8.0775"N	80°48'20.9382"W	4526.40	17.288	1.52	-1.41	0.57	
11364.00	88.560	343.570	6897.75	3745.36	4407.20	1319.76	1695153.85	14351015.00	39°31'8.9210"N	80°48'21.2593"W	4600.57	16.671	0.28	-0.03	0.28	
11452.00	89.420	341.510	6899.29	3833.32	4491.13	1293.36	1695127.46	14351098.89	39°31'9.7510"N	80°48'21.5938"W	4673.65	16.065	2.53	0.95	-2.34	
11541.00	88.740	340.510	6900.72	3922.31	4575.27	1264.41	1695098.51	14351183.00	39°31'10.5832"N	80°48'21.9610"W	4746.77	15.448	1.36	-0.76	-1.12	
11629.00	88.960	339.730	6902.47	4010.27	4658.01	1234.49	1695068.61	14351265.71	39°31'11.4016"N	80°48'22.3405"W	4818.82	14.844	0.93	0.27	-0.89	
11718.00	89.480	341.600	6903.66	4099.26	4741.98	1205.03	1695039.16	14351349.64	39°31'12.2321"N	80°48'22.7142"W	4892.70	14.258	2.17	0.56	2.10	
11806.00	89.140	339.790	6904.72	4187.24	4825.02	1175.94	1695010.08	14351432.65	39°31'13.0535"N	80°48'23.0831"W	4966.25	13.697	2.09	-0.39	-2.06	
11895.00	89.350	340.250	6905.90	4276.22	4908.66	1145.53	1694979.68	14351516.25	39°31'13.8807"N	80°48'23.4688"W	5040.55	13.136	0.57	0.24	0.52	
11983.00	90.370	336.910	6906.11	4364.11	4990.57	1113.40	1694947.56	14351598.13	39°31'14.6909"N	80°48'23.8766"W	5113.26	12.577	3.97	1.16	-3.80	
12072.00	89.850	338.300	6905.94	4452.94	5072.85	1079.49	1694913.67	14351680.38	39°31'15.5049"N	80°48'24.3070"W	5186.44	12.013	1.67	-0.58	1.56	
12160.00	90.090	340.090	6905.99	4540.88	5155.11	1048.23	1694882.43	14351762.61	39°31'16.3186"N	80°48'24.7035"W	5260.61	11.494	2.05	0.27	2.03	
12248.00	89.820	340.480	6906.06	4628.87	5237.95	1018.55	1694852.75	14351845.42	39°31'17.1379"N	80°48'25.0801"W	5336.07	11.004	0.94	-0.31	0.44	
12337.00	89.780	339.840	6906.37	4717.86	5321.67	988.34	1694822.56	14351929.10	39°31'17.9660"N	80°48'25.4633"W	5412.67	10.521	0.72	-0.04	-0.72	
12425.00	89.660	340.190	6906.80	4805.84	5404.37	958.27	1694792.49	14352011.76	39°31'18.7839"N	80°48'25.8448"W	5488.67	10.055	0.42	-0.14	0.40	
12514.00	90.090	340.340	6906.99	4894.83	5488.14	928.21	1694762.45	14352095.50	39°31'19.6125"N	80°48'26.2260"W	5566.08	9.600	0.51	0.48	0.17	
12602.00	90.770	340.300	6906.33	4982.81	5571.00	898.58	1694732.83	14352178.33	39°31'20.4321"N	80°48'26.6019"W	5643.00	9.163	0.77	0.77	-0.05	
12691.00	90.060	337.980	6905.69	5071.75	5654.16	866.89	1694701.16	14352261.45	39°31'21.2546"N	80°48'27.0040"W	5720.23	8.717	2.73	-0.80	-2.61	
12779.00	90.180	339.720	6905.50	5159.67	5736.23	835.14	1694669.42	14352343.49	39°31'22.0664"N	80°48'27.4069"W	5796.70	8.284	1.98	0.14	1.98	
12868.00	90.090	339.440	6905.29	5248.64	5819.63	804.09	1694638.38	14352426.86	39°31'22.8914"N	80°48'27.8009"W	5874.92	7.867	0.33	-0.10	-0.31	
12956.00	90.180	338.710	6905.08	5336.58	5901.83	772.66	1694606.96	14352509.02	39°31'23.7044"N	80°48'28.1997"W	5952.19	7.459	0.84	0.10	-0.83	
13045.00	90.060	340.120	6904.90	5425.54	5985.14	741.37	1694575.68	14352592.31	39°31'24.5285"N	80°48'28.5968"W	6030.88	7.061	1.59	-0.13	1.58	

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Well	Tapeats Unit 2H
API	47-095-02714-0000
Wellbore	Tapeats Unit 2H AWB
Facility	Grand Pad
Slot	Slot #04

WELLPATH DATA (272 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (ft)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
13133.00	89.750	339.490	6905.04	5513.51	6057.73	710.99	1694545.32	14352674.86	39°31'25.3454"N	80°48'28.9822"W	6109.25	6.683	0.80	-0.35	-0.72	
13222.00	89.630	337.250	6905.53	5602.40	6150.46	678.19	1694512.53	14352757.56	39°31'26.1637"N	80°48'29.3986"W	6187.74	6.292	2.52	-0.13	-2.52	
13310.00	89.820	339.100	6905.95	5690.27	6232.15	645.47	1694479.82	14352839.21	39°31'26.9717"N	80°48'29.8138"W	6265.48	5.913	2.11	0.22	2.10	
13398.00	89.850	340.630	6906.20	5778.25	6314.77	615.18	1694449.55	14352921.80	39°31'27.7839"N	80°48'30.1981"W	6344.66	5.564	1.74	0.03	1.74	
13487.00	90.180	340.710	6906.18	5867.24	6398.75	585.72	1694420.10	14353005.75	39°31'28.6195"N	80°48'30.5718"W	6425.50	5.230	0.38	0.37	0.09	
13575.00	90.310	340.660	6905.80	5955.24	6481.80	556.61	1694391.00	14353088.76	39°31'29.4409"N	80°48'30.9410"W	6505.65	4.908	0.16	0.15	-0.06	
13664.00	90.060	341.090	6905.51	6044.24	6565.88	527.46	1694361.86	14353172.81	39°31'30.2726"N	80°48'31.3108"W	6587.03	4.593	0.56	-0.28	0.48	
13752.00	89.970	341.130	6905.49	6132.24	6649.14	498.97	1694333.38	14353256.04	39°31'31.0961"N	80°48'31.6721"W	6667.84	4.292	0.11	-0.10	0.05	
13841.00	89.690	341.000	6905.76	6221.24	6733.33	470.09	1694304.51	14353340.19	39°31'31.9287"N	80°48'32.0384"W	6749.72	3.994	0.35	-0.31	-0.15	
13929.00	89.820	340.670	6906.13	6309.23	6816.45	441.20	1694275.63	14353423.28	39°31'32.7508"N	80°48'32.4048"W	6830.71	3.703	0.40	0.15	-0.37	
14017.00	89.780	341.500	6906.44	6397.23	6899.69	412.67	1694247.12	14353506.49	39°31'33.5742"N	80°48'32.7666"W	6912.02	3.423	0.94	-0.05	0.94	
14106.00	90.920	341.850	6905.89	6486.23	6984.18	384.69	1694219.15	14353589.94	39°31'34.4097"N	80°48'33.1214"W	6994.76	3.153	1.34	1.28	0.39	
14194.00	90.310	341.410	6904.95	6574.22	7067.69	356.96	1694191.42	14353674.42	39°31'35.2357"N	80°48'33.4730"W	7076.70	2.891	0.85	-0.69	-0.50	
14283.00	90.520	340.600	6904.31	6663.21	7151.84	327.99	1694162.47	14353758.54	39°31'36.0680"N	80°48'33.8404"W	7159.36	2.626	0.94	0.24	-0.91	
14371.00	91.350	340.740	6902.87	6751.20	7234.87	298.87	1694133.36	14353841.53	39°31'36.8892"N	80°48'34.2098"W	7241.04	2.365	0.96	0.94	0.16	
14460.00	91.050	341.790	6901.01	6840.18	7319.13	270.29	1694104.79	14353925.76	39°31'37.7226"N	80°48'34.5723"W	7324.12	2.115	1.23	-0.34	1.18	
14549.00	90.280	341.440	6899.97	6929.17	7403.58	242.22	1694076.73	14354010.18	39°31'38.5578"N	80°48'34.9282"W	7407.54	1.874	0.95	-0.87	-0.39	
14637.00	90.030	341.200	6899.73	7017.17	7486.95	214.03	1694048.56	14354093.51	39°31'39.3823"N	80°48'35.2856"W	7490.00	1.637	0.39	-0.28	-0.27	
14725.00	90.310	341.080	6899.47	7105.17	7570.22	185.59	1694020.12	14354176.75	39°31'40.2059"N	80°48'35.6464"W	7572.50	1.404	0.35	0.32	-0.14	
14814.00	90.260	341.870	6899.04	7194.16	7654.61	157.31	1693991.86	14354261.11	39°31'41.0405"N	80°48'36.0050"W	7656.22	1.177	0.89	-0.07	0.89	
14902.00	90.120	341.090	6898.75	7282.16	7738.05	129.36	1693963.92	14354344.51	39°31'41.8658"N	80°48'36.3595"W	7739.13	0.958	0.90	-0.15	-0.89	
14991.00	89.940	341.570	6898.71	7371.16	7822.37	100.87	1693935.44	14354428.80	39°31'42.6997"N	80°48'36.7208"W	7823.02	0.739	0.58	-0.20	0.54	
15079.00	90.650	342.220	6898.25	7459.15	7906.01	73.52	1693908.10	14354512.40	39°31'43.5269"N	80°48'37.0675"W	7906.35	0.533	1.09	0.81	0.74	
15168.00	89.820	341.310	6897.89	7548.14	7990.53	45.67	1693880.27	14354596.90	39°31'44.3629"N	80°48'37.4207"W	7990.67	0.327	1.38	-0.93	-1.02	
15256.00	90.650	341.150	6897.53	7636.14	8073.85	17.36	1693851.95	14354680.18	39°31'45.1870"N	80°48'37.7798"W	8073.87	0.123	0.96	0.94	-0.18	
15344.00	90.090	341.870	6896.96	7724.14	8157.31	-10.55	1693824.06	14354763.61	39°31'46.0124"N	80°48'38.1337"W	8157.31	359.926	1.04	-0.64	0.82	
15433.00	89.850	341.580	6897.01	7813.13	8241.82	-38.46	1693796.17	14354848.08	39°31'46.8482"N	80°48'38.4876"W	8241.91	359.733	0.42	-0.27	-0.33	
15521.00	90.150	342.160	6897.01	7901.13	8325.45	-65.84	1693768.80	14354931.68	39°31'47.6753"N	80°48'38.8348"W	8325.71	359.547	0.74	0.34	0.66	
15610.00	90.430	341.200	6896.56	7990.12	8409.94	-93.81	1693740.83	14355016.13	39°31'48.5109"N	80°48'39.1896"W	8410.46	359.361	1.12	0.31	-1.08	
15698.00	90.550	342.300	6895.80	8078.11	8493.51	-121.37	1693713.29	14355099.67	39°31'49.3374"N	80°48'39.5390"W	8494.37	359.181	1.26	0.14	1.25	



Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Well	Tapeats Unit 2H
ANTERO RESOURCES CORPORATION	API	47-095-02714-0000
Field	Wellbore	Tapeats Unit 2H AWB
Taylor		
Facility	Grand Pad	
Slot	Slot #04	

WELLPATH DATA (272 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 (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)	Comments
15786.00	90.400	342.750	6895.07	8166.08	8577.44	-147.80	1693686.87	14355183.57	39°31'50.1675"N	80°48'39.8740"W	8578.71	359.013	0.54	-0.17	0.51	
15875.00	90.860	342.460	6894.10	8255.03	8662.37	-174.40	1693660.28	14355288.46	39°31'51.0074"N	80°48'40.2113"W	8664.12	358.847	0.61	0.52	-0.33	
15963.00	90.090	341.930	6893.37	8343.03	8746.15	-201.31	1693633.38	14355382.21	39°31'51.8360"N	80°48'40.5524"W	8748.46	358.681	1.06	-0.87	-0.60	
16052.00	90.000	341.330	6893.30	8432.03	8830.61	-229.36	1693606.34	14355436.64	39°31'52.6714"N	80°48'40.9081"W	8833.59	358.512	0.68	-0.10	-0.67	
16140.00	90.180	341.450	6893.16	8520.03	8914.01	-257.44	1693577.27	14355520.01	39°31'53.4962"N	80°48'41.2643"W	8917.73	358.346	0.25	0.20	0.14	
16229.00	90.400	341.300	6892.71	8609.03	8998.35	-285.86	1693548.86	14355604.31	39°31'54.3303"N	80°48'41.6248"W	9002.89	358.180	0.30	0.25	-0.17	
16317.00	90.310	342.020	6892.16	8697.02	9081.88	-313.55	1693521.18	14355687.80	39°31'55.1654"N	80°48'41.9760"W	9087.29	358.023	0.82	-0.10	0.82	
16405.00	90.150	342.020	6891.81	8785.01	9165.58	-340.72	1693494.03	14355771.47	39°31'55.9942"N	80°48'42.3204"W	9171.91	357.871	0.18	0.18	0.00	
16494.00	90.340	341.210	6891.43	8874.00	9250.03	-368.79	1693465.97	14355855.89	39°31'56.8195"N	80°48'42.6764"W	9267.38	357.717	0.93	0.21	-0.91	
16582.00	90.180	341.140	6891.03	8962.00	9333.32	-397.18	1693437.59	14355939.15	39°31'57.6433"N	80°48'43.0366"W	9341.77	357.563	0.20	-0.18	-0.08	
16671.00	89.940	340.330	6890.94	9051.00	9417.94	-426.55	1693408.23	14356023.14	39°31'58.4742"N	80°48'43.4091"W	9427.00	357.407	0.95	-0.27	-0.91	
16759.00	90.220	341.460	6890.81	9139.00	9500.49	-455.35	1693379.44	14356106.25	39°31'59.2966"N	80°48'43.7745"W	9511.40	357.256	1.32	0.32	1.28	
16848.00	90.490	340.660	6890.26	9228.00	9584.67	-484.24	1693350.57	14356190.40	39°32'0.1292"N	80°48'44.1409"W	9596.90	357.108	0.95	0.30	-0.90	
16936.00	90.180	341.190	6889.75	9315.99	9667.84	-512.99	1693321.82	14356273.53	39°32'0.9518"N	80°48'44.5058"W	9681.44	356.963	0.70	-0.35	0.60	
17025.00	90.430	340.850	6889.27	9404.99	9752.00	-541.94	1693292.89	14356357.66	39°32'1.7841"N	80°48'44.8730"W	9767.04	356.819	0.47	0.28	-0.38	
17113.00	90.740	341.000	6888.88	9492.99	9835.16	-570.70	1693264.14	14356440.79	39°32'2.6066"N	80°48'45.2378"W	9851.70	356.679	0.39	0.35	0.17	
17202.00	90.800	340.290	6887.18	9581.97	9919.12	-600.19	1693234.66	14356524.72	39°32'3.4371"N	80°48'45.6120"W	9937.26	356.537	0.80	0.07	-0.80	
17290.00	90.800	341.700	6885.95	9669.96	10002.32	-628.84	1693206.02	14356607.88	39°32'4.2599"N	80°48'45.9755"W	10022.06	356.403	1.60	0.00	1.60	
17379.00	90.550	340.840	6884.90	9758.95	10085.60	-657.42	1693177.45	14356692.12	39°32'5.0934"N	80°48'46.3380"W	10108.00	356.271	1.01	-0.28	-0.97	
17467.00	90.400	341.020	6884.17	9846.95	10169.76	-686.17	1693148.71	14356775.26	39°32'5.9160"N	80°48'46.7027"W	10192.89	356.140	0.27	-0.17	0.20	
17556.00	90.460	341.240	6883.50	9935.95	10253.98	-714.95	1693119.94	14356859.44	39°32'6.7489"N	80°48'47.0678"W	10278.87	356.012	0.26	0.07	0.25	
17644.00	90.550	341.060	6882.73	10023.94	10337.25	-743.39	1693091.52	14356942.68	39°32'7.5725"N	80°48'47.4285"W	10363.95	355.887	0.23	0.10	-0.20	
17732.00	90.150	340.590	6882.19	10111.94	10420.37	-772.29	1693062.63	14357025.77	39°32'8.3946"N	80°48'47.7952"W	10448.95	355.761	0.70	-0.45	-0.53	
17821.00	90.650	341.540	6881.57	10200.94	10504.55	-801.17	1693033.76	14357109.91	39°32'9.2272"N	80°48'48.1616"W	10535.06	355.639	1.21	0.56	1.07	
17909.00	90.520	340.960	6880.87	10288.93	10587.89	-829.45	1693005.49	14357193.20	39°32'10.0513"N	80°48'48.5204"W	10620.32	355.521	0.68	-0.15	-0.66	
17998.00	90.430	340.860	6879.93	10377.93	10671.98	-858.56	1692976.39	14357277.27	39°32'10.8831"N	80°48'48.8896"W	10706.46	355.400	0.15	-0.10	-0.11	
18086.00	90.490	341.000	6879.23	10465.92	10755.15	-887.31	1692947.65	14357360.41	39°32'11.7056"N	80°48'49.2544"W	10791.69	355.284	0.17	0.07	0.16	
18175.00	90.800	340.390	6878.23	10554.92	10839.14	-916.73	1692918.24	14357444.36	39°32'12.5363"N	80°48'49.6277"W	10877.83	355.166	0.77	0.35	-0.69	
18263.00	90.650	341.060	6877.11	10642.91	10922.20	-945.78	1692889.21	14357527.39	39°32'13.3578"N	80°48'49.9962"W	10963.07	355.051	0.78	-0.17	0.76	
18352.00	90.580	340.770	6876.16	10731.90	11006.30	-974.88	1692860.12	14357611.46	39°32'14.1896"N	80°48'50.3654"W	11049.39	354.938	0.34	-0.08	-0.33	

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828

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REFERENCE WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Grand Pad
Slot	Slot #04
Well	Tapeats Unit 2H
API	47-095-02714-0000
Wellbore	Tapeats Unit 2H AWB

WELLPATH DATA (272 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (°/100ft)	Comments
18440.00	90.460	340.850	6875.36	10819.89	11089.41	-1003.80	1692831.21	14357694.53	39°32'15.0116"N	80°48'50.7324"W	11134.74	354.828	0.16	-0.14	0.09	
18529.00	90.400	340.670	6874.69	10908.89	11173.43	-1033.13	1692801.89	14357778.53	39°32'15.8426"N	80°48'51.1045"W	11221.09	354.717	0.21	-0.07	-0.20	
18617.00	90.400	340.340	6874.08	10996.88	11256.39	-1062.50	1692772.54	14357861.45	39°32'16.6631"N	80°48'51.4772"W	11306.42	354.608	0.37	0.00	-0.38	
18706.00	90.520	341.180	6873.36	11085.87	11340.41	-1091.82	1692743.22	14357945.44	39°32'17.4941"N	80°48'51.8493"W	11392.85	354.501	0.95	0.13	0.94	
18794.00	91.450	341.330	6871.85	11173.86	11423.73	-1120.10	1692714.96	14358028.73	39°32'18.3182"N	80°48'52.2080"W	11478.51	354.400	1.07	1.06	0.17	
18883.00	90.920	341.770	6870.01	11262.84	11508.14	-1148.26	1692686.81	14358113.10	39°32'19.1530"N	80°48'52.5652"W	11565.28	354.302	0.77	-0.60	0.49	
18971.00	90.800	340.120	6868.69	11350.83	11591.30	-1176.98	1692658.10	14358196.23	39°32'19.9755"N	80°48'52.9296"W	11650.91	354.202	1.88	-0.14	-1.88	
19060.00	90.990	341.210	6867.30	11439.81	11675.27	-1206.45	1692628.65	14358280.17	39°32'20.8060"N	80°48'53.3035"W	11737.44	354.100	1.24	0.21	1.22	
19148.00	91.750	341.020	6865.19	11527.78	11758.51	-1234.92	1692600.18	14358363.37	39°32'21.6292"N	80°48'53.6647"W	11823.18	354.005	0.89	0.86	-0.22	
19237.00	89.510	341.990	6864.21	11616.77	11842.90	-1263.15	1692571.96	14358447.73	39°32'22.4639"N	80°48'54.0228"W	11910.07	353.912	2.74	-2.52	1.09	
19325.00	89.480	340.550	6864.99	11704.76	11926.24	-1291.40	1692543.72	14358531.03	39°32'23.2881"N	80°48'54.3813"W	11995.95	353.820	1.64	-0.03	-1.64	
19414.00	89.780	341.200	6865.56	11793.76	12010.32	-1320.56	1692514.57	14358615.08	39°32'24.1197"N	80°48'54.7513"W	12082.70	353.725	0.80	0.34	0.73	
19502.00	90.740	342.460	6865.17	11881.75	12093.93	-1348.00	1692487.14	14358698.66	39°32'24.9466"N	80°48'55.0994"W	12168.82	353.640	1.80	1.09	1.43	
19591.00	90.580	341.550	6864.14	11970.73	12178.57	-1375.50	1692459.66	14358783.26	39°32'25.7837"N	80°48'55.4481"W	12256.00	353.556	1.04	-0.18	-1.02	
19679.00	90.180	340.510	6863.56	12058.73	12261.79	-1404.10	1692431.07	14358866.45	39°32'26.6067"N	80°48'55.8110"W	12341.92	353.467	1.27	-0.45	-1.18	
19768.00	90.310	340.820	6863.18	12147.73	12345.77	-1433.57	1692401.61	14358950.39	39°32'27.4373"N	80°48'56.1849"W	12428.72	353.377	0.38	0.15	0.35	
19856.00	90.770	340.960	6862.35	12235.72	12428.91	-1462.38	1692372.82	14359033.51	39°32'28.2596"N	80°48'56.5505"W	12514.65	353.289	0.55	0.52	0.16	
19945.00	90.280	341.310	6861.53	12324.72	12513.13	-1491.15	1692344.05	14359117.69	39°32'29.0925"N	80°48'56.9156"W	12601.66	353.204	0.68	-0.55	0.39	
20033.00	90.090	340.840	6861.25	12412.72	12596.32	-1519.84	1692315.38	14359200.85	39°32'29.9153"N	80°48'57.2796"W	12687.68	353.120	0.79	-0.22	-0.76	
20122.00	90.310	340.070	6860.94	12501.71	12680.14	-1549.76	1692285.47	14359284.63	39°32'30.7443"N	80°48'57.5593"W	12774.49	353.032	0.69	0.25	-0.64	
20210.00	90.220	341.030	6860.53	12589.70	12763.12	-1579.06	1692256.18	14359367.58	39°32'31.5650"N	80°48'58.0311"W	12860.43	352.947	1.10	-0.10	1.09	
20299.00	89.910	341.390	6860.43	12678.70	12847.37	-1607.73	1692227.52	14359451.80	39°32'32.3983"N	80°48'58.3949"W	12947.58	352.867	0.53	-0.35	0.40	
20387.00	89.690	341.190	6860.74	12766.70	12930.72	-1635.96	1692199.31	14359535.12	39°32'33.2226"N	80°48'58.7530"W	13033.80	352.789	0.34	-0.25	-0.23	
20475.00	90.250	341.670	6860.78	12854.70	13014.14	-1663.98	1692171.29	14359618.50	39°32'34.0476"N	80°48'59.1086"W	13120.09	352.714	0.84	0.64	0.55	
20564.00	89.340	341.700	6860.63	12943.69	13098.63	-1691.95	1692143.34	14359702.96	39°32'34.8833"N	80°48'59.4634"W	13207.45	352.640	0.35	-0.35	0.03	
20653.00	90.280	341.080	6860.46	13032.69	13182.98	-1720.35	1692114.95	14359787.27	39°32'35.7174"N	80°48'59.8237"W	13294.75	352.565	0.79	0.38	-0.70	
20741.00	90.310	341.240	6860.01	13120.69	13266.26	-1748.77	1692086.54	14359870.52	39°32'36.5411"N	80°49'0.1843"W	13381.03	352.491	0.18	0.03	0.18	
20829.00	90.090	341.640	6859.70	13208.69	13349.68	-1776.78	1692058.54	14359953.91	39°32'37.3662"N	80°49'0.5396"W	13467.40	352.419	0.52	-0.25	0.45	
20918.00	90.800	341.250	6859.01	13297.68	13434.05	-1805.10	1692030.23	14360038.25	39°32'38.2006"N	80°49'0.8989"W	13554.78	352.347	0.91	0.80	-0.44	
21006.00	90.770	341.300	6857.81	13385.68	13517.39	-1833.35	1692002.00	14360121.55	39°32'39.0248"N	80°49'1.2574"W	13641.15	352.276	0.07	-0.03	0.06	



Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 2H
Field	Tyler	API	47-095-02714-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 2H AWB
Slot	Slot #04		

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 (ft/100ft)	Turn Rate (°/100ft)	Comments
21095.00	90.860	341.400	6856.54	13474.67	13601.71	-1861.80	1691973.55	1436205.83	39°32'39.8587"N	80°49'1.6184"W	13728.54	352.206	0.15	0.10	0.11	
21271.00	90.740	341.300	6854.08	13650.85	13768.45	-1918.08	1691917.29	14360372.51	39°32'41.5078"N	80°49'2.3325"W	13901.41	352.069	0.09	-0.07	-0.06	
21360.00	90.490	340.730	6863.13	13739.64	13852.60	-1947.03	1691888.35	143600456.63	39°32'42.3401"N	80°49'2.6999"W	13988.76	351.999	0.70	-0.28	-0.64	
21448.00	90.550	340.290	6862.33	13827.63	13935.55	-1976.39	1691859.01	143600539.55	39°32'43.1605"N	80°49'3.0725"W	14075.01	351.928	0.50	0.07	-0.50	
21537.00	91.630	341.220	6850.64	13916.61	14019.56	-2005.72	1691829.69	143600623.52	39°32'43.9914"N	80°49'3.4447"W	14162.31	351.858	1.60	1.21	1.04	
21625.00	91.230	341.050	6848.44	14004.58	14102.81	-2034.17	1691801.26	143600706.74	39°32'44.8147"N	80°49'3.8056"W	14248.76	351.792	0.49	-0.45	-0.19	
21714.00	91.260	341.340	6846.51	14093.56	14187.04	-2062.85	1691772.58	143600790.93	39°32'45.6477"N	80°49'4.1696"W	14336.23	351.727	0.33	0.03	0.33	
21802.00	91.420	342.120	6844.45	14181.53	14270.58	-2090.43	1691745.02	143600874.44	39°32'46.4739"N	80°49'4.5195"W	14422.88	351.666	0.90	0.18	0.89	
21890.00	89.110	340.690	6844.04	14269.52	14353.98	-2118.49	1691716.97	143600957.80	39°32'47.2987"N	80°49'4.8755"W	14509.47	351.604	3.09	-2.62	-1.63	
21979.00	89.450	339.700	6845.16	14358.50	14437.71	-2148.64	1691686.83	14361041.50	39°32'48.1269"N	80°49'5.2583"W	14596.71	351.535	1.18	0.38	-1.11	
22067.00	89.880	341.260	6845.67	14446.49	14520.64	-2178.04	1691657.44	14361124.40	39°32'48.9471"N	80°49'5.6315"W	14683.08	351.469	1.84	0.49	1.77	
22156.00	89.940	341.420	6845.81	14535.49	14604.97	-2206.52	1691628.97	14361208.89	39°32'49.7811"N	80°49'5.9928"W	14770.70	351.409	0.19	0.07	0.18	
22244.00	89.720	341.210	6846.07	14623.49	14688.33	-2234.71	1691600.79	14361292.02	39°32'50.6055"N	80°49'6.3505"W	14857.35	351.349	0.35	-0.25	-0.24	
22333.00	89.780	340.730	6846.46	14712.49	14772.46	-2263.73	1691571.79	14361376.12	39°32'51.4376"N	80°49'6.7188"W	14944.90	351.288	0.54	0.07	-0.54	
22421.00	89.940	341.550	6846.68	14800.49	14855.74	-2292.17	1691543.35	14361459.36	39°32'52.2612"N	80°49'7.0798"W	15031.53	351.229	0.95	0.18	0.93	
22510.00	89.540	341.610	6847.08	14889.48	14940.18	-2320.30	1691515.24	14361543.77	39°32'53.0963"N	80°49'7.4366"W	15119.28	351.172	0.45	-0.45	0.07	
22598.00	89.480	340.810	6847.83	14977.48	15023.48	-2348.64	1691486.91	14361627.04	39°32'53.9202"N	80°49'7.7963"W	15205.96	351.115	0.91	-0.07	-0.91	
22687.00	89.600	341.040	6848.55	15066.48	15107.59	-2377.72	1691457.83	14361711.12	39°32'54.7521"N	80°49'8.1654"W	15293.56	351.056	0.29	0.13	0.26	
22775.00	90.370	340.860	6848.57	15154.48	15190.77	-2406.45	1691429.12	14361794.26	39°32'55.5747"N	80°49'8.5299"W	15380.20	350.998	0.90	0.88	-0.20	
22864.00	90.370	340.780	6848.00	15243.47	15274.83	-2435.69	1691399.90	14361878.29	39°32'56.4061"N	80°49'8.9010"W	15467.80	350.940	0.09	0.00	-0.09	
22952.00	90.400	340.810	6847.41	15331.47	15357.93	-2464.63	1691370.96	14361961.36	39°32'57.2280"N	80°49'9.2684"W	15554.43	350.883	0.05	0.03	0.03	
23041.00	90.460	340.780	6846.74	15420.46	15441.97	-2493.91	1691341.70	14362045.37	39°32'58.0592"N	80°49'9.6400"W	15642.06	350.826	0.08	0.07	-0.03	
23129.00	90.740	341.090	6845.82	15508.46	15525.14	-2522.65	1691312.97	14362128.50	39°32'58.8817"N	80°49'10.0048"W	15728.76	350.771	0.47	0.32	0.35	
23218.00	90.400	341.000	6844.93	15597.45	15609.31	-2551.56	1691284.07	14362212.64	39°32'59.7142"N	80°49'10.3717"W	15816.48	350.716	0.40	-0.38	-0.10	
23306.00	90.460	340.970	6844.27	15685.45	15692.51	-2580.23	1691255.41	14362295.80	39°33'0.5370"N	80°49'10.7355"W	15903.22	350.663	0.08	0.07	-0.03	
23394.00	90.520	341.060	6843.52	15773.45	15775.72	-2608.86	1691226.79	14362378.88	39°33'1.3599"N	80°49'11.0969"W	15989.98	350.610	0.12	0.07	0.10	
23483.00	90.400	340.720	6842.80	15862.44	15859.81	-2637.99	1691197.67	14362463.04	39°33'2.1916"N	80°49'11.4687"W	16077.71	350.556	0.41	-0.13	-0.38	
23571.00	90.650	342.230	6842.00	15950.43	15943.25	-2665.95	1691169.72	14362546.44	39°33'3.0168"N	80°49'11.8234"W	16164.60	350.507	1.74	0.28	1.72	
23660.00	90.370	340.480	6841.20	16039.43	16027.57	-2694.40	1691141.28	14362630.73	39°33'3.8507"N	80°49'12.1845"W	16252.47	350.457	1.99	-0.31	-1.97	
23748.00	90.520	341.080	6840.52	16127.42	16110.66	-2723.37	1691112.33	14362713.79	39°33'4.6725"N	80°49'12.5622"W	16339.22	350.405	0.70	0.17	0.68	

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION											
Operator	ANTERO RESOURCES CORPORATION										
Field	Tyler										
Well	Tapeats Unit 2H										
API	47-095-02714-0000										
Facility	Grand Pad										
Wellbore	Tapeats Unit 2H AWB										
Slot	Slot #04										

WELLPATH DATA (272 stations) † = interpolated, ‡ = extrapolated station																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert.Sect (ft)	North (ft)	East (ft)	Grid East (ft)	Grid North (ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
23805.00	90.250	341.290	6840.14	16184.42	16164.91	-2741.75	1691093.95	14362767.72	39°33'5.205"N	80°49'12.7855"W	16395.48	350.373	0.60	-0.47	0.37	
23828.00	90.250	341.290	6840.04	16207.42	16186.40	-2748.13	1691086.58	14362789.49	39°33'5.4216"N	80°49'12.8791"W	16418.20	350.361	0.00	0.00	0.00	Projected MD at TD: 23828'

HOLE & CASING SECTIONS - Ref Wellbore: Tapeats Unit 2H AWB Ref Wellpath: Tapeats Unit 2H AWP Proj: 23828'											
String/Diameter	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start N/S (ft)	End N/S (ft)	Start EW (ft)	End EW (ft)	Start E/W (ft)	End E/W (ft)
20in Conductor	25.50	105.50	80.00	25.50	105.50	0.00	0.00	0.00	0.00	0.00	0.15
17.5in Open Hole	105.50	405.00	299.50	105.50	405.00	-0.12	-1.05	0.15	-1.05	0.15	0.97
13.375in Casing Surface	25.50	383.90	358.40	25.50	383.90	0.00	-0.99	0.00	-0.99	0.00	0.98
12.25in Open Hole	405.00	2745.00	2340.00	405.00	2592.04	-1.05	75.04	0.97	75.04	0.97	708.33
9.625in Casing Intermediate	25.50	2724.70	2699.20	25.50	2573.92	0.00	73.38	0.00	73.38	0.00	699.33
8.75in Open Hole	2745.00	5641.00	2866.00	2592.04	5212.80	75.04	248.34	708.33	248.34	708.33	1922.30
8.5in Open Hole	5641.00	23928.00	18187.00	5212.80	6840.04	248.34	16186.40	1922.30	16186.40	1922.30	-2749.13
5.5in Casing Production	25.50	23828.00	23802.50	25.50	6840.04	0.00	16186.40	0.00	16186.40	0.00	-2749.13



Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 2H
Field	Tyler	API	47-095-02714-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 2H AWB
Slot	Slot #04		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Tapeats Unit 2H POE Rev-2	6852.00	938.91	2470.82	1696304.44	14347548.09	39°30'34.6180"N	80°48'6.6690"W	point
Tapeats Unit 2H BHL Rev-2	6876.00	16207.51	-2737.21	1691098.49	14362810.59	39°33'35.6299"N	80°49'12.7264"W	point
Tapeats Unit 2H LP Rev-2	6876.00	1112.92	2411.47	1696245.11	14347722.03	39°30'36.3391"N	80°48'7.4213"W	point
Tapeats Unit 2H 50' L/R Hard Line	7000.00	8573.21	-133.19	1693701.47	14355179.34	39°31'50.1254"N	80°48'39.6878"W	rectangle

2D Rectangle 16132.4 x 100.

WELLPATH COMPOSITION - Ref Wellbore: Tapeats Unit 2H AWB

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	400.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2'> (100'-400')	Tapeats Unit 2H AWB	14/Mar/2021
400.00	2669.00	BH Navitrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4'> (400')(775'-2669')	Tapeats Unit 2H AWB	14/Mar/2021
2669.00	5573.00	BH Navitrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4'> (2669')(2735'-5573')	Tapeats Unit 2H AWB	25/Mar/2021
5573.00	23828.00	BH AutoTrak CurveXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2'> (5573')(5702'-23805')	Tapeats Unit 2H AWB	25/Mar/2021

WELLPATH COMPOSITION - Ref Wellbore: Tapeats Unit 2H AWP Proj: 23828'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	400.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2'> (100'-400')	Tapeats Unit 2H AWB	14/Mar/2021
400.00	2669.00	BH Navitrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4'> (400')(775'-2669')	Tapeats Unit 2H AWB	14/Mar/2021
2669.00	5573.00	BH Navitrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4'> (2669')(2735'-5573')	Tapeats Unit 2H AWB	25/Mar/2021
5573.00	23828.00	BH AutoTrak CurveXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2'> (5573')(5702'-23805')	Tapeats Unit 2H AWB	25/Mar/2021

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Actual Wellpath Report

Tapeats Unit 2H AWP Proj: 23828'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Tapeats Unit 2H
Field	Tyler	API	47-095-02714-0000
Facility	Grand Pad	Wellbore	Tapeats Unit 2H AWB
Slot	Slot #04		

COMMENTS
<p>Wellpath general comments API: 47-095-02714-0000 BH Job #: 110784525 Rig: H&P 317 Duration: 3/29/2021-4/3/2021 Gyrodata MS Gyro <17'-1/2"> (100'-400') APS EM <12'-1/4"> (400')(775'-2669') APS EM <8-3/4"> (2669')(2735'-5573') BH AT Curve <8-1/2"> (5573')(5702'-23805') Sycamore: 7141' MD Middlesex: 7287' MD Burkett: 7448' MD Tully: 7514' MD Marcellus POE: 7693' MD Projected MD at TD: 23828'</p>