



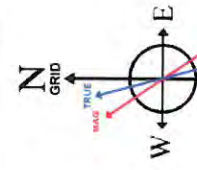
ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Field: Tyler
 Facility: Stonely Pad
 Slot: Slot #11
 Well: Tauscher Unit 2H
 Wellbore: Tauscher Unit 2H PWB



Plot reference wellpath is Tauscher Unit 2H PWP Rev-A.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to Frontier 22 (RKB)	North Reference: Grid north
Measured depths are referenced to Frontier 22 (RKB)	Scale: True distance
Frontier 22 (RKB) to Mean Sea Level: 1006.5 feet	Created by: mcrebr on 2018-05-21
Mean Sea Level to Ground level (At Slot: Slot #11): -982 feet	Database: WA_MPL_EASTERNUUS_Datn
Coordinates are in feet referenced to Slot	

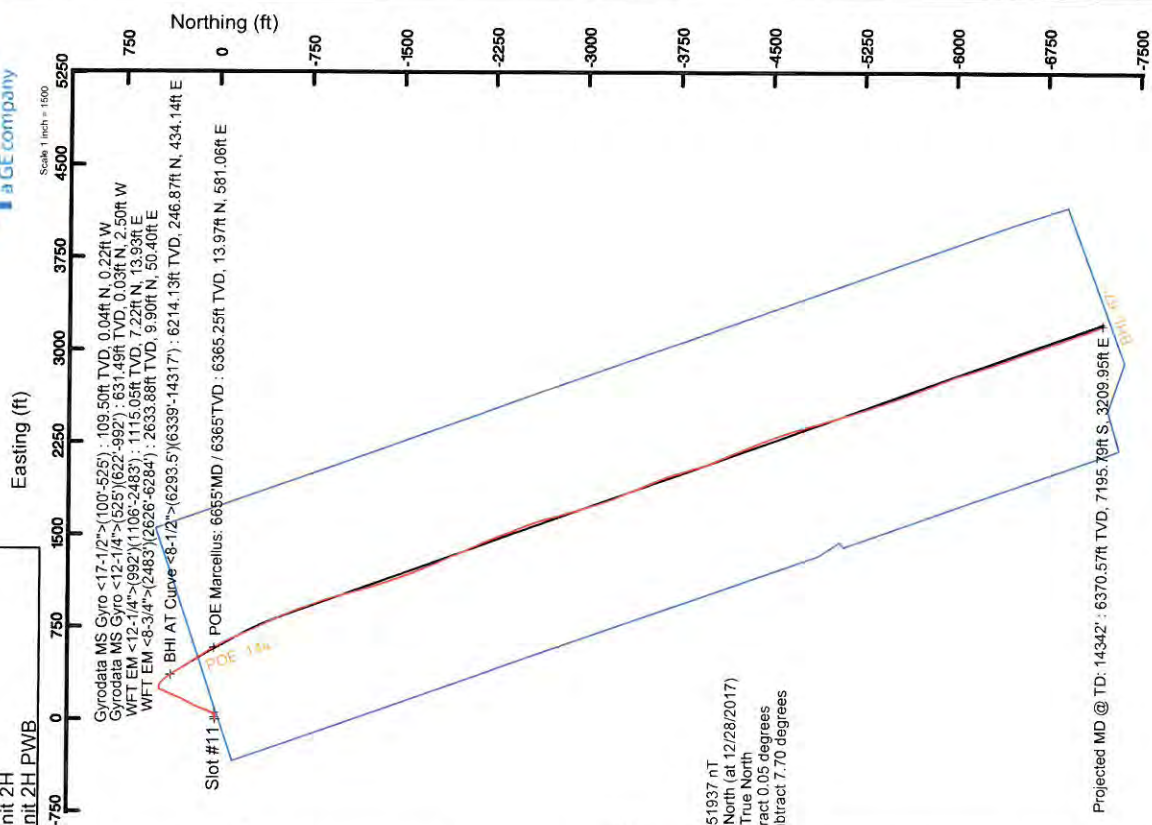
Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Stonely Pad	1662255.770	14314034.380	80°55'21.620"W
Slot	Local E (ft)	Grid North (US ft)	Longitude
Slot #11	9.10	14314043.479	80°55'21.660"W
Comment	Tauscher Unit 2H		
Frontier 22 (RKB) to Ground level (At Slot: Slot #11)	24.5ft		
Mean Sea Level to Ground level (At Slot: Slot #11)	-982ft		
Frontier 22 (RKB) to Mean Sea Level	1006.5ft		



User specified Dip: 66.65° Field: 51937 nT
 Magnetic North is 7.65 degrees West of True North (at 12/28/2017)
 Grid North is 0.05 degrees East of True North
 To correct azimuth from True to Grid subtract 0.05 degrees
 To correct azimuth from Magnetic to Grid subtract 7.70 degrees

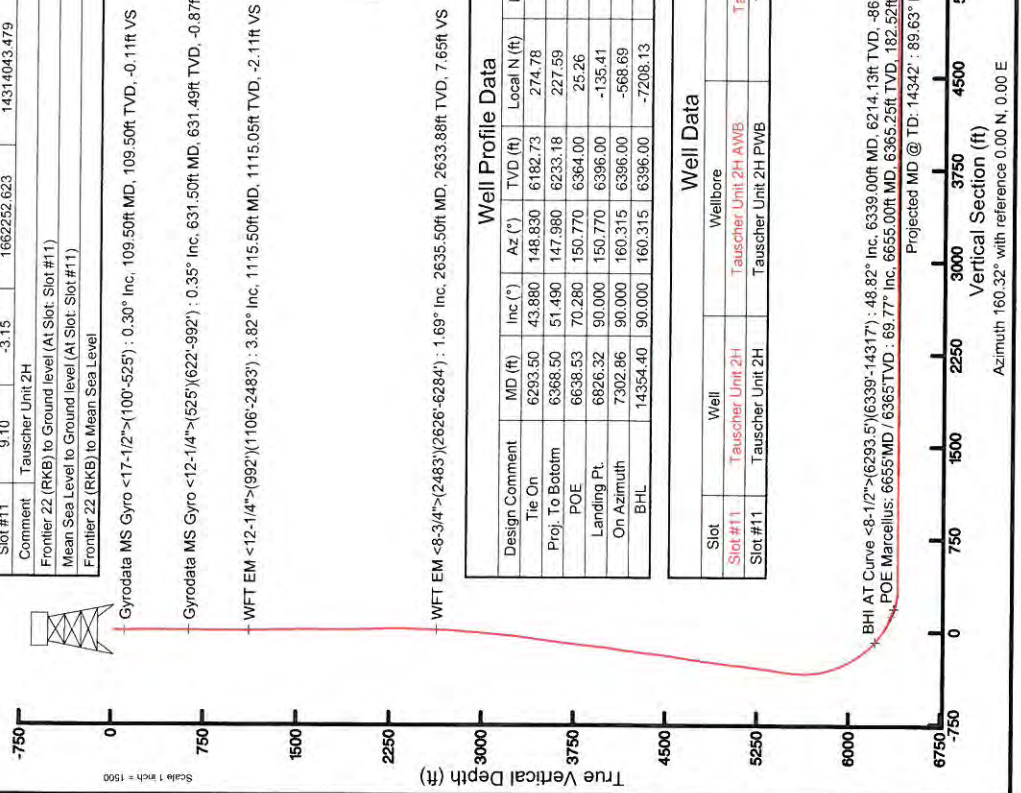
Well Profile Data						
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	VS (ft)
Tie On	6293.50	43.880	148.830	6182.73	274.78	-118.40
Proj. To Bottom	6368.50	51.490	147.980	6233.18	227.59	-64.18
POE	6638.53	70.280	150.770	6384.00	25.26	166.46
Landing Pt.	6826.32	90.000	150.770	6396.00	-135.41	348.02
On Azimuth	7302.86	90.000	160.315	6396.00	-568.69	822.36
BHL	14354.40	90.000	160.315	6396.00	-7208.13	7873.90

Well Data		
Slot	Well	Wellbore
Slot #11	Tauscher Unit 2H	Tauscher Unit 2H AWB
Slot #11	Tauscher Unit 2H	Tauscher Unit 2H PWB



04/05/2019

API: 47-095-02407-0000
 BH Job #: 8936058
 Rig: Frontier 22
 Duration: 12/31/17 - 01/04/18





Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #11
Area	Tyler County, WV	Well	Tauscher Unit 2H
Field	Tyler	Wellbore	Tauscher Unit 2H AWB
Facility	Stonefly Pad		

REPORT SETUP INFORMATION	
Projection System	NAD27 / UTM Zone 17 North, US feet
North Reference	Grid
Scale	0.999601
Convergence at slot	0.05° East
Software System	WellArchitect® 5.1
User	Mccrerib
Report Generated	5/21/2018 at 10:21:09 AM
Database/Source file	WA_MPL_EASTERNUS_Defm/Tauscher_Unit_2H_AWP_Proj_14342_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	9.10	-3.15	1662252.62	14314043.48	39°25'03.860"N	80°55'21.660"W
Facility Reference Pt			1662255.77	14314034.38	39°25'03.770"N	80°55'21.620"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM		
Calculation method	Minimum curvature	
Horizontal Reference Pt	Slot	
Vertical Reference Pt	Frontier 22 (RKB)	
MD Reference Pt	Frontier 22 (RKB)	
Field Vertical Reference	Mean Sea Level	
	Frontier 22 (RKB) to Facility Vertical Datum	1006.50ft
	Frontier 22 (RKB) to Mean Sea Level	1006.50ft
	Frontier 22 (RKB) to Ground Level at Slot (Slot #11)	24.50ft
	Section Origin	N 0.00, E 0.00 ft
	Section Azimuth	160.32°

04/05/2019



Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #11
Area	Tyler County, WV	Well	Tauscher Unit 2H
Field	Tyler	Wellbore	Tauscher Unit 2H AWB
Facility	Stonerfly Pad		

WELLPATH DATA (180 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	0.00	279.730	0.00	0.00	0.00	0.00	1662252.62	14314043.48	39°25'03.860"N	80°55'21.660"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.00	279.730	24.50	0.00	0.00	0.00	1662252.62	14314043.48	39°25'03.860"N	80°55'21.660"W	0.00	0.000	0.00	0.00	0.00	
109.50	0.300	279.730	109.50	-0.11	0.04	-0.22	1662252.40	14314043.52	39°25'03.860"N	80°55'21.663"W	0.22	279.730	0.35	0.35	-94.44	Gyrodota MS Gyro <17-1/2">(100'-525')
209.50	0.510	252.670	209.50	-0.26	-0.05	-0.90	1662251.72	14314043.43	39°25'03.860"N	80°55'21.671"W	0.90	266.783	0.28	0.21	-27.06	
309.50	0.450	264.920	309.49	-0.37	-0.22	-1.72	1662250.91	14314043.26	39°25'03.858"N	80°55'21.682"W	1.73	262.677	0.12	-0.06	11.83	
409.50	0.130	255.840	409.49	-0.48	-0.29	-2.22	1662250.40	14314043.19	39°25'03.857"N	80°55'21.688"W	2.24	262.654	0.32	-0.32	-8.68	
509.50	0.090	300.340	509.49	-0.57	-0.26	-2.44	1662250.18	14314043.22	39°25'03.857"N	80°55'21.691"W	2.41	263.475	0.09	-0.04	44.50	
631.50	0.350	12.100	631.49	-0.87	0.03	-2.50	1662250.12	14314043.51	39°25'03.860"N	80°55'21.692"W	2.46	263.845	0.30	0.20	-116.80	
722.50	1.050	26.910	722.48	-1.68	1.04	-2.06	1662250.56	14314044.52	39°25'03.870"N	80°55'21.686"W	2.31	296.815	0.79	0.77	16.27	
811.50	1.850	46.140	811.46	-2.83	2.77	-0.66	1662251.96	14314046.24	39°25'03.867"N	80°55'21.668"W	2.84	346.582	1.04	0.90	21.61	
906.50	2.610	66.380	906.38	-3.60	4.70	2.43	1662255.05	14314048.17	39°25'03.906"N	80°55'21.629"W	5.29	27.339	1.14	0.80	21.31	
1001.50	3.230	76.820	1001.26	-3.45	6.17	7.02	1662259.64	14314049.65	39°25'03.921"N	80°55'21.571"W	9.34	48.657	0.86	0.65	10.99	
1115.50	3.820	85.260	1115.05	-2.11	7.22	13.93	1662266.54	14314050.69	39°25'03.931"N	80°55'21.482"W	15.69	62.602	0.69	0.52	7.40	WFT EM <12-1/4">(992')(1106'-2483')
1241.50	4.240	82.230	1240.73	-0.06	8.20	22.72	1662275.34	14314051.87	39°25'03.941"N	80°55'21.370"W	24.16	70.169	0.37	0.33	-2.40	
1336.50	3.990	79.760	1335.49	1.20	9.26	29.46	1662282.07	14314052.73	39°25'03.951"N	80°55'21.285"W	30.88	72.554	0.32	-0.26	-2.60	
1430.50	3.050	84.110	1429.31	2.34	10.10	35.16	1662287.77	14314053.57	39°25'03.959"N	80°55'21.212"W	36.58	73.981	1.04	-1.00	4.63	
1525.50	1.820	81.210	1524.22	3.22	10.59	39.17	1662291.78	14314054.06	39°25'03.964"N	80°55'21.161"W	40.57	74.877	1.30	-1.29	-3.05	
1619.50	0.930	70.520	1618.20	3.51	11.07	41.36	1662293.97	14314054.54	39°25'03.969"N	80°55'21.133"W	42.82	75.020	0.98	-0.95	-11.37	
1714.50	0.700	62.870	1713.19	3.44	11.59	42.61	1662295.21	14314055.06	39°25'03.974"N	80°55'21.117"W	44.15	74.783	0.27	-0.24	-8.05	
1808.50	0.600	60.130	1807.18	3.27	12.10	43.54	1662296.15	14314055.57	39°25'03.979"N	80°55'21.105"W	45.19	74.474	0.11	-0.11	-2.91	
1902.50	0.670	167.890	1901.18	3.73	11.80	44.09	1662296.69	14314055.28	39°25'03.978"N	80°55'21.098"W	45.64	75.010	1.09	0.07	114.64	
1997.50	1.910	199.870	1996.15	5.50	9.77	43.66	1662296.27	14314053.25	39°25'03.956"N	80°55'21.104"W	44.74	77.385	1.46	1.31	33.66	
2092.50	1.970	193.160	2091.10	8.10	6.69	42.75	1662295.36	14314050.17	39°25'03.926"N	80°55'21.115"W	43.28	81.102	0.25	0.06	-7.06	
2187.50	1.370	142.770	2186.06	10.55	4.20	43.07	1662298.01	14314047.68	39°25'03.901"N	80°55'21.111"W	43.27	84.432	1.60	-0.63	-53.04	
2282.50	1.990	91.220	2281.02	12.22	3.26	45.41	1662298.01	14314046.74	39°25'03.892"N	80°55'21.081"W	45.52	85.894	1.65	0.65	-54.26	
2376.50	2.080	58.540	2374.97	12.46	4.12	48.49	1662301.10	14314047.59	39°25'03.900"N	80°55'21.042"W	48.67	85.149	1.22	0.10	-34.77	
2492.50	1.290	19.200	2490.92	11.01	6.45	50.72	1662303.32	14314049.92	39°25'03.923"N	80°55'21.014"W	51.13	82.756	1.17	-0.68	-33.91	
2635.50	1.690	336.160	2633.88	7.65	9.90	50.40	1662303.00	14314053.37	39°25'03.957"N	80°55'21.018"W	51.36	78.890	0.81	0.28	-30.10	WFT EM <8-3/4">(2483')(2626'-6284')
2729.50	4.110	4.120	2727.75	3.19	14.52	50.08	1662302.68	14314058.00	39°25'04.003"N	80°55'21.022"W	52.14	73.825	2.91	2.57	29.74	



Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342



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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #11
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 2H
Area	Tyler County, WV	Wellbore	Tauscher Unit 2H AWB
Field	Tyler		
Facility	Stoneyly Pad		

WELLPATH DATA (180 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
2824.50	5.470	12.550	2822.42	-3.76	22.34	51.31	1662303.91	14314065.81	39°25'04.080"N	80°55'21.006"W	55.96	66.470	1.61	1.43	8.87	
2918.50	6.880	23.080	2915.88	-11.68	31.89	54.49	1662307.09	14314075.36	39°25'04.175"N	80°55'20.965"W	63.13	59.657	1.92	1.50	11.20	
3013.50	7.030	23.970	3010.18	-20.07	42.44	59.08	1662311.68	14314085.90	39°25'04.279"N	80°55'20.907"W	72.74	54.307	0.19	0.16	0.94	
3109.50	7.850	28.680	3105.37	-28.67	53.56	64.61	1662317.21	14314097.02	39°25'04.389"N	80°55'20.836"W	83.92	50.343	1.06	0.85	4.91	
3204.50	7.770	27.980	3199.49	-37.31	64.92	70.74	1662323.33	14314108.38	39°25'04.501"N	80°55'20.758"W	96.02	47.454	0.13	-0.08	-0.74	
3293.50	8.100	15.500	3293.58	-47.11	77.04	75.54	1662328.13	14314120.49	39°25'04.621"N	80°55'20.697"W	107.90	44.435	1.84	0.35	-13.14	
3393.50	9.200	15.240	3388.51	-58.68	90.68	79.29	1662331.88	14314134.12	39°25'04.756"N	80°55'20.649"W	120.45	41.165	1.17	1.17	-0.28	
3488.50	10.510	20.760	3480.11	-71.50	106.11	84.35	1662336.94	14314149.54	39°25'04.908"N	80°55'20.584"W	135.55	38.484	1.70	1.38	5.81	
3582.50	10.520	21.390	3572.53	-84.50	122.11	90.52	1662343.11	14314165.54	39°25'05.066"N	80°55'20.505"W	152.01	36.549	0.12	0.01	0.67	
3677.50	9.730	22.550	3666.05	-96.98	137.60	96.76	1662349.35	14314181.03	39°25'05.219"N	80°55'20.426"W	168.22	35.115	0.86	-0.83	1.22	
3771.50	9.220	20.360	3768.77	-108.63	152.00	102.43	1662355.01	14314195.42	39°25'05.361"N	80°55'20.353"W	183.29	33.975	0.66	-0.54	-2.33	
3866.50	9.090	27.610	3852.56	-119.54	165.78	108.56	1662361.13	14314209.20	39°25'05.498"N	80°55'20.275"W	198.16	32.217	1.22	-0.14	7.63	
3961.50	9.090	27.950	3946.37	-129.69	179.06	115.55	1662368.13	14314222.47	39°25'05.629"N	80°55'20.186"W	213.11	32.834	0.06	0.00	0.36	
4055.50	11.260	26.680	4038.89	-141.03	193.82	123.15	1662375.73	14314237.23	39°25'05.775"N	80°55'20.089"W	229.84	32.431	2.32	2.31	-1.35	
4150.50	10.670	23.150	4132.15	-153.88	210.20	130.77	1662383.34	14314253.59	39°25'05.938"N	80°55'19.991"W	247.56	31.888	0.94	-0.82	-3.72	
4244.50	10.280	30.490	4224.59	-165.64	225.43	138.45	1662391.02	14314268.82	39°25'06.087"N	80°55'19.893"W	264.55	31.557	1.48	-0.41	7.81	
4338.50	10.010	31.330	4317.12	-176.15	239.64	146.96	1662399.52	14314283.02	39°25'06.227"N	80°55'19.785"W	281.11	31.519	0.33	-0.29	0.89	
4433.50	9.920	28.210	4410.69	-186.83	253.90	155.12	1662407.68	14314297.28	39°25'06.368"N	80°55'19.681"W	297.53	31.422	0.58	-0.09	-3.28	
4528.50	11.690	26.120	4504.00	-199.03	269.75	163.22	1662415.78	14314313.12	39°25'06.525"N	80°55'19.577"W	315.29	31.177	1.91	1.86	-2.20	
4622.50	12.100	23.730	4595.98	-212.82	287.32	171.38	1662423.93	14314330.69	39°25'06.698"N	80°55'19.473"W	334.55	30.815	0.68	0.44	-2.54	
4717.50	12.200	20.590	4688.86	-227.72	305.83	178.92	1662431.47	14314349.19	39°25'06.881"N	80°55'19.377"W	354.32	30.328	0.70	0.11	-3.31	
4812.50	11.540	26.460	4781.83	-241.96	323.74	186.68	1662439.23	14314367.09	39°25'07.058"N	80°55'19.278"W	373.71	29.970	1.45	-0.69	6.18	
4907.50	9.540	25.580	4875.22	-254.09	339.35	194.32	1662446.86	14314382.69	39°25'07.212"N	80°55'19.180"W	391.04	29.796	2.11	-2.11	-0.93	
5001.50	9.910	21.600	4967.87	-265.65	353.90	200.66	1662453.20	14314397.23	39°25'07.356"N	80°55'19.099"W	406.82	29.553	0.82	0.39	-4.23	
5096.50	8.540	23.140	5061.64	-276.97	367.99	206.44	1662458.98	14314411.31	39°25'07.495"N	80°55'19.026"W	421.93	29.292	1.47	-1.44	1.62	
5191.50	9.660	27.170	5155.44	-287.59	381.56	212.85	1662465.39	14314424.89	39°25'07.629"N	80°55'18.944"W	436.91	29.155	1.36	1.18	4.24	
5285.50	10.630	27.390	5247.97	-298.89	396.28	220.44	1662472.97	14314439.60	39°25'07.775"N	80°55'18.847"W	453.46	29.086	1.03	1.03	0.23	
5380.50	10.900	21.420	5341.30	-311.63	412.42	227.75	1662480.28	14314455.73	39°25'07.934"N	80°55'18.754"W	471.13	28.909	1.21	0.28	-6.28	
5474.50	11.060	16.330	5433.58	-325.62	429.34	233.53	1662486.06	14314472.65	39°25'08.101"N	80°55'18.680"W	488.75	28.543	1.04	0.17	-5.41	
5569.50	10.260	21.600	5526.95	-339.35	445.96	239.21	1662491.74	14314489.26	39°25'08.266"N	80°55'18.607"W	506.06	28.209	1.33	-0.84	5.55	



Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #11
Area	Tyler County, WV	Well	Tauscher Unit 2H
Field	Tyler	Wellbore	Tauscher Unit 2H AWB
Facility	Stoneyly Pad		

WELLPATH DATA (180 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
5601.50	8.640	32.910	5558.51	-342.95	450.62	241.56	1662494.09	14314493.92	39°25'08.312"N	80°55'18.577"W	511.29	28.194	7.68	-5.06	35.34	
5632.50	8.060	48.050	5589.19	-345.19	454.03	244.45	1662496.97	14314497.33	39°25'08.345"N	80°55'18.540"W	515.65	28.298	7.31	-1.87	48.84	
5684.50	8.120	67.950	5620.88	-346.13	456.38	248.21	1662500.73	14314499.68	39°25'08.369"N	80°55'18.492"W	519.51	28.540	8.71	0.19	62.19	
5695.50	9.320	81.890	5651.52	-345.72	457.56	252.73	1662505.25	14314500.85	39°25'08.380"N	80°55'18.435"W	522.71	28.913	7.81	3.87	44.97	
5726.50	10.780	92.760	5682.05	-344.11	457.71	258.11	1662510.63	14314501.07	39°25'08.382"N	80°55'18.366"W	525.52	29.416	7.70	4.71	35.06	
5758.50	11.910	101.350	5713.42	-341.27	456.98	264.33	1662516.85	14314500.27	39°25'08.374"N	80°55'18.287"W	527.92	30.047	6.34	3.53	26.84	
5790.50	13.440	108.110	5744.65	-337.28	455.17	271.11	1662523.62	14314498.47	39°25'08.356"N	80°55'18.201"W	529.79	30.779	6.65	4.78	21.13	
5821.50	15.250	115.350	5774.68	-332.19	452.31	278.22	1662530.79	14314495.60	39°25'08.328"N	80°55'18.110"W	531.02	31.596	8.21	5.84	23.35	
5883.50	17.280	121.180	5805.40	-325.53	448.04	286.09	1662538.60	14314491.34	39°25'08.286"N	80°55'18.010"W	531.59	32.559	8.13	6.34	18.22	
5884.50	19.410	126.870	5834.82	-317.66	442.57	294.15	1662546.65	14314486.87	39°25'08.232"N	80°55'17.907"W	531.40	33.610	8.97	6.87	18.35	
5916.50	21.230	130.910	5864.83	-308.17	435.58	302.78	1662555.28	14314478.89	39°25'08.162"N	80°55'17.797"W	530.48	34.804	7.18	5.69	12.63	
5947.50	22.800	134.270	5893.57	-297.88	427.71	311.33	1662563.82	14314471.02	39°25'08.085"N	80°55'17.688"W	529.02	36.050	6.49	5.06	10.84	
5979.50	23.250	139.620	5923.03	-286.40	418.57	319.66	1662572.35	14314461.88	39°25'07.994"N	80°55'17.580"W	526.79	37.386	6.69	1.41	16.72	
6010.50	25.090	142.650	5951.31	-274.42	408.68	327.81	1662580.30	14314452.00	39°25'07.896"N	80°55'17.479"W	523.91	38.734	7.16	5.94	9.77	
6041.50	27.380	144.160	5979.11	-261.31	397.68	335.97	1662588.46	14314441.00	39°25'07.788"N	80°55'17.375"W	520.60	40.192	7.69	7.39	4.87	
6073.50	29.700	144.480	6007.22	-246.61	386.26	344.89	1662597.37	14314428.59	39°25'07.665"N	80°55'17.261"W	517.08	41.835	7.27	7.25	1.00	
6105.50	32.210	144.030	6034.66	-230.80	371.90	354.51	1662606.99	14314415.23	39°25'07.533"N	80°55'17.139"W	513.80	43.628	7.88	7.84	-1.41	
6125.00†	33.575	144.197	6051.04	-220.63	363.32	360.71	1662613.19	14314406.66	39°25'07.448"N	80°55'17.060"W	511.97	44.793	7.02	7.00	0.86	Sycamore: 6125MD / 6051TVD
6136.50	34.380	144.290	6060.57	-214.45	358.11	364.47	1662616.94	14314401.44	39°25'07.396"N	80°55'17.012"W	510.96	45.504	7.02	7.00	0.81	
6168.50	36.560	145.730	6086.63	-196.54	342.90	375.11	1662627.58	14314386.24	39°25'07.300"N	80°55'16.877"W	508.22	47.569	7.30	6.81	4.50	
6199.50	38.240	147.850	6111.26	-178.24	327.14	385.41	1662637.88	14314370.49	39°25'07.090"N	80°55'16.746"W	505.53	49.675	6.83	5.42	6.84	
6231.50	39.170	149.610	6136.23	-158.64	310.04	395.60	1662648.26	14314353.39	39°25'06.921"N	80°55'16.613"W	502.77	51.928	4.50	2.91	5.50	
6262.50	41.270	149.490	6159.90	-138.97	292.78	405.94	1662658.40	14314336.14	39°25'06.750"N	80°55'16.484"W	500.51	54.199	6.78	6.77	-0.39	
6293.50	43.880	148.830	6182.73	-118.40	274.78	416.70	1662669.15	14314318.15	39°25'06.572"N	80°55'16.348"W	499.14	56.598	8.54	8.42	-2.13	
6339.00	48.820	147.200	6214.13	-86.25	246.87	434.14	1662686.59	14314290.25	39°25'06.296"N	80°55'16.126"W	499.43	60.375	11.16	10.86	-3.58	BHI AT Curve <8-1/2"> 6293.5 / 6339-14317
6351.00†	49.909	147.151	6221.94	-77.38	239.22	439.08	1662691.53	14314282.60	39°25'06.221"N	80°55'16.063"W	500.02	61.417	9.08	9.08	-0.41	Middlesex: 6351MD / 6222TVD
6405.00	54.810	146.950	6254.91	-35.78	203.35	462.33	1662714.77	14314246.75	39°25'05.866"N	80°55'15.767"W	505.08	66.258	9.08	9.08	-0.37	
6452.00	58.960	147.520	6280.58	2.56	170.25	483.63	1662736.06	14314213.66	39°25'05.539"N	80°55'15.496"W	512.72	70.606	8.89	8.83	1.21	
6499.00	62.360	147.950	6303.61	42.54	135.61	505.49	1662757.91	14314179.04	39°25'05.196"N	80°55'15.218"W	523.37	74.982	7.28	7.23	0.91	
6522.00†	64.014	147.866	6313.98	62.59	118.22	516.40	1662768.82	14314161.65	39°25'05.024"N	80°55'15.079"W	529.76	77.105	7.20	7.19	-0.37	Burket: 6522MD / 6314TVD



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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #11
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 2H
Area	Tyler County, WV	Wellbore	Tauscher Unit 2H AWB
Field	Tyler		
Facility	Stonerfly Pad		

WELLPATH DATA (180 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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
6546.00	65.740	147.780	6324.17	83.80	99.83	527.97	1662780.38	14314143.27	39°25'04.842"N	80°55'14.932"W	557.33	79.293	7.20	7.19	-0.36	
6590.00†	68.118	147.808	6341.41	123.32	65.58	549.55	1662801.95	14314109.03	39°25'04.503"N	80°55'14.657"W	553.44	83.195	5.40	5.40	0.06	Tully, 6590MD / 6341 TVD
6593.00	68.280	147.810	6342.53	126.04	63.22	551.03	1662803.43	14314106.68	39°25'04.480"N	80°55'14.638"W	554.64	83.455	5.40	5.40	0.06	
6640.00	68.370	148.990	6359.89	168.77	26.02	573.91	1662826.31	14314069.49	39°25'04.112"N	80°55'14.347"W	574.50	87.404	2.34	0.19	2.51	
6655.00†	69.768	149.694	6365.25	182.52	13.97	581.06	1662833.45	14314057.45	39°25'03.993"N	80°55'14.256"W	581.23	88.622	10.29	9.31	4.68	POE Marcellus, 6655MD / 6365 TVD
6686.00	72.660	151.110	6375.23	211.43	-11.54	595.55	1662847.93	14314031.94	39°25'03.741"N	80°55'14.072"W	595.66	91.110	10.29	9.33	4.57	
6733.00	79.040	153.060	6386.71	256.51	-51.80	616.86	1662869.24	14313991.70	39°25'03.343"N	80°55'13.801"W	619.03	94.800	14.16	13.57	4.15	
6835.00	84.270	154.150	6393.53	302.68	-93.44	637.53	1662889.89	14313950.08	39°25'02.931"N	80°55'13.538"W	644.34	98.338	11.36	11.13	2.32	
6874.00	90.150	155.110	6396.30	357.31	-143.06	661.03	1662913.39	14313900.48	39°25'02.440"N	80°55'13.239"W	676.34	102.211	10.41	10.25	1.82	
6968.00	90.280	155.540	6395.95	489.80	-263.86	716.68	1662929.79	14313865.11	39°25'02.091"N	80°55'13.030"W	700.54	104.757	0.62	0.62	-0.10	
7062.00	90.150	155.090	6395.60	583.44	-349.27	755.93	1663008.25	14313694.35	39°25'00.402"N	80°55'12.032"W	763.70	110.212	0.48	0.14	0.46	
7156.00	90.060	154.750	6395.43	677.02	-434.40	795.78	1663048.08	14313609.25	39°24'59.560"N	80°55'11.525"W	906.62	118.629	0.37	-0.10	-0.36	
7250.00	90.090	155.970	6395.30	770.66	-519.82	835.01	1663087.30	14313523.87	39°24'58.715"N	80°55'11.026"W	983.60	121.904	1.23	0.03	1.23	
7345.00	88.940	158.260	6395.28	865.50	-607.32	872.00	1663124.27	14313436.40	39°24'57.850"N	80°55'10.566"W	1062.65	124.856	2.48	-0.16	2.47	
7439.00	90.060	160.770	6395.28	959.49	-695.37	904.89	1663157.15	14313348.39	39°24'56.980"N	80°55'10.138"W	1141.21	127.541	2.67	0.13	2.67	
7533.00	90.310	159.970	6394.97	1053.49	-783.90	936.47	1663188.72	14313259.89	39°24'56.104"N	80°55'09.737"W	1221.26	129.932	0.89	0.27	-0.85	
7627.00	90.030	160.780	6394.70	1147.48	-872.44	968.04	1663220.28	14313171.39	39°24'55.229"N	80°55'09.335"W	1303.17	132.027	0.91	-0.30	0.86	
7721.00	90.220	163.780	6394.49	1241.42	-961.97	996.65	1663248.87	14313081.89	39°24'54.344"N	80°55'08.972"W	1385.17	133.986	3.20	0.20	3.19	
7815.00	90.180	165.100	6394.16	1335.17	-1052.52	1021.86	1663274.08	14312991.38	39°24'53.449"N	80°55'08.652"W	1466.97	135.847	1.40	-0.04	1.40	
7910.00	90.000	164.420	6394.01	1429.89	-1144.18	1046.84	1663299.04	14312899.76	39°24'52.542"N	80°55'08.335"W	1550.81	137.544	0.74	-0.19	-0.72	
8004.00	90.250	162.070	6393.51	1617.57	-1324.50	1099.98	1663352.16	14312719.51	39°24'50.760"N	80°55'07.660"W	1635.39	139.020	0.58	0.19	-0.54	
8191.00	90.220	161.680	6393.13	1710.53	-1412.88	1128.91	1663381.08	14312631.16	39°24'49.886"N	80°55'07.292"W	1721.70	140.291	1.96	0.07	-1.96	
8285.00	90.280	160.070	6392.72	1804.52	-1501.67	1159.76	1663411.91	14312542.41	39°24'49.008"N	80°55'06.900"W	1807.50	141.375	0.42	-0.03	-0.42	
8379.00	90.560	158.710	6392.02	1898.51	-1589.64	1192.89	1663445.03	14312454.48	39°24'48.138"N	80°55'06.479"W	1897.38	142.321	1.78	0.06	-1.78	
8473.00	90.580	157.650	6391.06	1992.44	-1676.90	1227.82	1663479.95	14312367.26	39°24'47.276"N	80°55'06.035"W	1987.44	143.115	1.42	0.32	-1.38	
8567.00	90.650	156.880	6390.05	2086.30	-1763.59	1264.15	1663516.27	14312280.60	39°24'46.419"N	80°55'05.573"W	2169.86	144.367	0.82	0.07	-0.82	
8660.00	90.520	156.680	6389.11	2179.11	-1849.05	1300.82	1663552.92	14312195.17	39°24'45.574"N	80°55'05.107"W	2260.77	144.873	0.26	-0.14	-0.22	
8755.00	90.520	157.500	6388.24	2273.96	-1936.55	1337.80	1663589.88	14312107.71	39°24'44.708"N	80°55'04.637"W	2353.70	145.363	0.86	0.00	0.86	



Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #11
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 2H
Area	Tyler County, WV	Wellbore	Tauscher Unit 2H AWB
Field	Tyler		
Facility	Stonerfly Pad		

WELLPATH DATA (180 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
8849.00	90.680	157.180	6387.26	2367.83	-2023.29	1374.01	1663626.08	14312021.00	39°24'43.851"N	80°55'04.767"W	2445.73	145.820	0.38	0.17	-0.34	
8945.00	90.460	155.780	6386.30	2463.60	-2111.30	1412.33	1663664.39	14311933.03	39°24'42.981"N	80°55'03.213"W	2540.13	146.220	1.50	-0.23	-1.48	
9040.00	90.340	157.780	6385.64	2558.41	-2198.59	1449.80	1663701.84	14311845.77	39°24'42.118"N	80°55'02.768"W	2633.58	146.598	2.13	-0.13	2.13	
9135.00	90.340	158.960	6385.08	2653.35	-2286.90	1484.82	1663736.84	14311757.50	39°24'41.244"N	80°55'02.331"W	2726.64	147.006	1.24	0.00	1.24	
9232.00	90.580	159.580	6384.30	2750.33	-2377.82	1519.15	1663771.16	14311666.82	39°24'40.348"N	80°55'02.899"W	2821.50	147.424	0.69	0.25	0.64	
9325.00	90.710	157.510	6383.25	2843.28	-2464.16	1553.16	1663805.16	14311580.31	39°24'39.492"N	80°55'01.464"W	2912.80	147.777	2.23	0.14	-2.23	
9419.00	90.250	159.850	6382.46	2937.23	-2551.72	1587.33	1663839.32	14311492.78	39°24'38.626"N	80°55'01.091"W	3005.15	148.116	2.54	-0.49	2.49	
9514.00	90.340	164.050	6381.97	3032.17	-2642.02	1616.76	1663868.74	14311402.52	39°24'37.733"N	80°55'00.767"W	3097.45	148.536	4.42	0.03	4.42	
9608.00	90.550	164.510	6380.33	3220.70	-2823.97	1667.89	1663894.19	14311312.07	39°24'35.935"N	80°55'00.441"W	3188.02	148.994	0.54	0.22	0.00	-0.38
9703.00	90.460	163.930	6379.49	3316.50	-2916.26	1694.28	1663946.23	14311220.64	39°24'35.022"N	80°55'00.106"W	3272.71	149.844	0.25	-0.09	-0.23	
9799.00	90.000	161.970	6379.10	3411.39	-3007.08	1722.14	1663974.07	14311138.39	39°24'34.124"N	80°54'59.752"W	3358.32	150.201	2.12	-0.48	-2.06	
9894.00	90.030	162.180	6379.08	3506.35	-3097.47	1751.37	1664003.29	14310947.25	39°24'33.231"N	80°54'58.997"W	3445.63	150.798	1.57	0.36	-1.53	
10084.00	90.370	160.730	6378.75	3601.33	-3187.54	1781.59	1664033.50	14310857.22	39°24'32.340"N	80°54'58.568"W	3531.64	151.010	3.25	0.19	-3.24	
10179.00	90.550	157.650	6377.98	3696.29	-3276.92	1815.33	1664067.23	14310768.47	39°24'31.462"N	80°54'58.106"W	3618.03	151.170	0.45	-0.32	-0.33	
10274.00	90.250	157.340	6377.32	3791.17	-3364.09	1851.69	1664103.57	14310680.74	39°24'29.728"N	80°54'57.642"W	3704.49	151.320	0.18	0.14	0.12	
10369.00	90.120	157.450	6376.71	3886.05	-3451.79	1888.21	1664140.08	14310593.08	39°24'28.859"N	80°54'57.182"W	3790.93	151.468	0.32	0.06	0.32	
10464.00	90.310	158.260	6376.36	4075.86	-3627.71	1959.99	1664176.26	14310505.28	39°24'27.988"N	80°54'56.332"W	3876.33	151.618	0.55	0.14	0.54	
10559.00	90.310	163.270	6375.85	4170.83	-3717.37	1991.28	1664212.10	14310417.23	39°24'27.102"N	80°54'55.978"W	3961.71	151.823	5.27	0.00	5.27	
10749.00	90.250	162.570	6375.38	4265.73	-3808.18	2019.18	1664248.99	14310326.83	39°24'26.204"N	80°54'55.626"W	4047.11	152.066	0.74	-0.06	-0.74	
10844.00	91.140	163.570	6374.23	4360.61	-3899.05	2046.84	1664286.64	14310236.83	39°24'25.306"N	80°54'55.255"W	4132.33	152.302	1.41	0.84	1.05	
10938.00	90.650	160.210	6372.76	4454.55	-3988.37	2076.05	1664327.84	14310145.99	39°24'24.422"N	80°54'54.793"W	4217.11	152.502	3.61	-0.52	-3.57	
11033.00	90.060	154.800	6372.17	4549.40	-4076.11	2112.39	1664364.16	14309989.00	39°24'23.555"N	80°54'54.315"W	4301.95	152.605	5.73	-0.62	-5.69	
11128.00	90.280	158.500	6371.89	4644.19	-4163.31	2150.03	1664401.79	14309881.84	39°24'22.693"N	80°54'53.870"W	4386.70	152.687	3.90	0.23	3.89	
11222.00	90.280	157.810	6371.43	4738.12	-4250.56	2185.01	1664436.75	14309794.62	39°24'21.830"N	80°54'53.412"W	4471.28	152.795	0.73	0.00	-0.73	
11316.00	90.340	157.040	6370.92	4832.00	-4337.36	2221.09	1664472.82	14309707.86	39°24'20.972"N	80°54'52.963"W	4556.41	152.884	0.82	0.06	-0.82	
11411.00	90.090	159.310	6370.56	4926.92	-4425.54	2256.41	1664508.13	14309619.71	39°24'20.100"N	80°54'52.510"W	4641.97	152.985	2.40	-0.26	-2.39	
11506.00	90.370	159.710	6370.18	5021.91	-4514.53	2289.66	1664541.37	14309530.76	39°24'19.220"N	80°54'52.057"W	4727.24	153.107	0.51	0.29	0.42	
11601.00	90.150	160.830	6369.75	5116.91	-4603.95	2321.73	1664573.42	14309441.37	39°24'18.336"N	80°54'51.604"W	4812.51	153.239	1.20	-0.23	-1.18	



Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #11
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 2H
Area	Tyler County, WV	Wellbore	Tauscher Unit 2H AWB
Field	Tyler		
Facility	Stoneyfly Pad		

WELLPATH DATA (180 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
11896.00	90.120	163.180	6369.53	5211.86	-4694.30	2351.08	1664602.76	14309331.06	39°24'17.443"N	80°54'51.760"W	5250.14	153.397	2.47	-0.03	2.47	
11790.00	89.910	164.640	6369.50	5305.67	-4784.61	2377.13	1664628.80	14309260.79	39°24'16.550"N	80°54'51.429"W	5342.59	153.581	1.57	-0.22	1.55	
11894.00	90.090	163.730	6369.50	5399.46	-4875.05	2402.75	1664654.41	14309170.38	39°24'15.656"N	80°54'51.104"W	5435.01	153.763	0.99	0.19	-0.97	
11979.00	90.030	163.220	6369.40	5494.32	-4966.13	2429.77	1664681.42	14309079.34	39°24'14.755"N	80°54'50.761"W	5528.67	153.929	0.54	-0.06	-0.54	
12073.00	90.520	162.720	6368.95	5588.21	-5056.01	2457.30	1664708.94	14308989.50	39°24'13.867"N	80°54'50.411"W	5621.52	154.080	0.74	0.52	-0.53	
12168.00	89.850	162.910	6368.65	5683.12	-5146.77	2485.37	1664736.99	14308898.78	39°24'12.970"N	80°54'50.055"W	5715.44	154.224	0.73	-0.71	0.20	
12262.00	90.250	162.260	6368.56	5777.05	-5236.46	2513.50	1664765.11	14308809.13	39°24'12.083"N	80°54'49.697"W	5808.46	154.359	0.81	0.43	-0.69	
12357.00	90.000	161.850	6368.36	5872.00	-5326.83	2542.77	1664794.37	14308718.78	39°24'11.189"N	80°54'49.326"W	5902.61	154.482	0.51	-0.26	-0.43	
12452.00	89.910	162.150	6368.43	5966.96	-5417.18	2572.13	1664823.72	14308628.47	39°24'10.296"N	80°54'48.953"W	5996.81	154.601	0.33	-0.09	0.32	
12547.00	89.940	160.810	6368.56	6061.94	-5507.26	2602.30	1664853.88	14308538.43	39°24'09.406"N	80°54'48.569"W	6091.13	154.708	1.41	0.03	-1.41	
12641.00	89.910	159.630	6368.68	6155.94	-5595.71	2634.11	1664885.68	14308450.01	39°24'08.531"N	80°54'48.165"W	6184.70	154.792	1.26	-0.03	-1.26	
12736.00	89.820	159.000	6368.90	6250.92	-5684.59	2667.67	1664919.22	14308361.17	39°24'07.652"N	80°54'47.739"W	6279.41	154.860	0.67	-0.09	-0.66	
12831.00	90.120	159.610	6368.95	6345.91	-5773.46	2701.24	1664952.78	14308272.34	39°24'06.774"N	80°54'47.312"W	6374.13	154.926	0.72	0.32	0.64	
12926.00	89.880	158.250	6368.95	6440.88	-5862.11	2735.39	1664986.91	14308183.72	39°24'05.897"N	80°54'46.878"W	6468.90	154.985	1.44	-0.25	-1.42	
13021.00	90.000	157.910	6369.05	6535.81	-5950.24	2770.84	1665022.35	14308095.62	39°24'05.028"N	80°54'46.428"W	6563.76	155.030	0.39	0.13	-0.37	
13115.00	90.030	163.230	6369.03	6629.77	-6038.86	2802.10	1665053.60	14308007.05	39°24'04.150"N	80°54'46.031"W	6657.29	155.108	5.66	0.03	5.66	
13211.00	90.620	162.840	6368.48	6725.66	-6130.68	2830.11	1665081.60	14307915.26	39°24'03.242"N	80°54'45.675"W	6752.39	155.220	0.74	0.61	-0.41	
13306.00	89.720	161.090	6368.20	6820.62	-6221.01	2859.52	1665111.00	14307824.97	39°24'02.349"N	80°54'45.302"W	6846.73	155.314	2.07	-0.95	-1.84	
13400.00	89.660	160.430	6369.37	7009.60	-6309.77	2920.87	1665141.24	14307736.01	39°24'01.469"N	80°54'44.917"W	6940.24	155.394	0.31	-0.13	0.29	
13495.00	89.600	160.430	6370.01	7104.59	-6489.00	2953.00	1665172.32	14307646.28	39°24'00.581"N	80°54'44.522"W	7034.81	155.468	0.98	0.06	-0.98	
13590.00	90.570	159.440	6370.01	7104.59	-6489.00	2953.00	1665204.90	14307557.09	39°23'59.699"N	80°54'44.108"W	7129.52	155.527	1.05	-0.09	-1.04	
13685.00	90.980	161.250	6369.55	7199.58	-6578.46	2985.41	1665236.84	14307467.66	39°23'58.815"N	80°54'43.702"W	7224.18	155.591	2.42	1.48	1.91	
13780.00	89.600	159.560	6369.07	7294.58	-6667.95	3017.27	1665268.68	14307378.21	39°23'57.930"N	80°54'43.298"W	7318.84	155.653	2.30	-1.45	-1.78	
13875.00	89.660	160.610	6369.69	7389.57	-6757.26	3049.63	1665301.03	14307288.93	39°23'57.047"N	80°54'42.886"W	7413.56	155.710	1.11	0.06	1.11	
13969.00	90.490	160.820	6369.56	7483.57	-6845.99	3080.67	1665332.86	14307200.24	39°23'56.170"N	80°54'42.492"W	7507.20	155.772	0.91	0.88	0.22	
14063.00	89.660	160.950	6369.44	7577.56	-6934.80	3111.45	1665362.83	14307111.46	39°23'55.292"N	80°54'42.101"W	7600.83	155.836	0.89	-0.88	0.14	
14159.00	89.970	159.790	6369.75	7673.56	-7025.22	3143.70	1665395.06	14307021.08	39°23'54.398"N	80°54'41.691"W	7696.53	155.892	1.25	0.32	-1.21	
14252.00	89.690	158.920	6370.03	7766.55	-7112.25	3176.49	1665427.84	14306934.09	39°23'53.537"N	80°54'41.275"W	7789.36	155.933	0.98	-0.30	-0.94	
14317.00	89.630	157.750	6370.41	7831.50	-7172.66	3200.95	1665451.83	14306873.70	39°23'52.940"N	80°54'40.970"W	7854.30	155.953	1.80	-0.09	-1.80	
14342.00	89.630	157.750	6370.57	7856.48	-7195.79	3209.49	1665461.29	14306850.57	39°23'52.711"N	80°54'40.850"W	7879.29	155.959	0.00	0.00	0.00	Projected MD @ TD: 14342'

HOLE & CASING SECTIONS - Ref Wellbore: Tauscher Unit 2H AWB										Ref Wellpath: Tauscher Unit 2H AWP Proj: 14342'									
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]	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	24.50	104.50	80.00	24.50	104.50	0.00	0.00	0.00	-0.19	20in Conductor	24.50	104.50	80.00	24.50	104.50	0.00	0.00	0.00	-0.19
17.5in Open Hole	104.50	581.20	476.70	104.50	581.19	0.03	-0.19	-0.19	-2.52	17.5in Open Hole	104.50	581.20	476.70	104.50	581.19	0.03	-0.19	-0.19	-2.52
13.375in Casing Surface	24.50	581.20	556.70	24.50	581.19	0.00	0.00	0.00	-0.41	13.375in Casing Surface	24.50	581.20	556.70	24.50	581.19	0.00	0.00	0.00	-0.41
12.25in Open Hole	581.20	2578.00	1996.80	581.19	2576.40	-0.19	-2.52	8.41	50.86	12.25in Open Hole	581.20	2578.00	1996.80	581.19	2576.40	-0.19	-2.52	8.41	50.86
9.625in Casing Intermediate	24.50	2578.00	2553.50	24.50	2576.40	0.00	0.00	0.00	0.00	9.625in Casing Intermediate	24.50	2578.00	2553.50	24.50	2576.40	0.00	0.00	0.00	0.00
8.75in Open Hole	2578.00	6284.00	3706.00	2576.40	6175.84	8.41	50.86	280.38	413.32	8.75in Open Hole	2578.00	6284.00	3706.00	2576.40	6175.84	8.41	50.86	280.38	413.32
8.5in Open Hole	6284.00	14317.00	8033.00	6175.84	6370.41	280.38	413.32	-7172.66	3200.49	8.5in Open Hole	6284.00	14317.00	8033.00	6175.84	6370.41	280.38	413.32	-7172.66	3200.49
5.5in Casing Production	24.50	14317.00	14292.50	24.50	6370.41	0.00	0.00	-7172.66	3200.49	5.5in Casing Production	24.50	14317.00	14292.50	24.50	6370.41	0.00	0.00	-7172.66	3200.49

04/05/2019

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Tauscher Unit 2H POE Rev-2	6364.00	25.26	564.92	1662817.31	14314068.72	39°25'04.105"N	80°55'14.462"W	point
Tauscher Unit 2H BHL Rev-2	6396.00	-7208.13	3227.19	1665478.52	14306838.24	39°23'52.589"N	80°54'40.630"W	point
Tauscher Unit 2H LP Rev-1	6396.00	-135.41	654.82	1662907.18	14313908.12	39°25'02.516"N	80°55'13.318"W	point

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Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #11
Area	Tyler County, WV	Well	Tauscher Unit 2H
Field	Tyler	Wellbore	Tauscher Unit 2H AWB
Facility	Stonerly Pad		

WELLPATH COMPOSITION - Ref Wellbore: Tauscher Unit 2H AWB Ref Wellpath: Tauscher Unit 2H AWP Proj: 14342'			
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment
24.50	534.50	Gyrodata standard - Drop gyro or Multi-shot	01. Gyrodata MS Gyro <17-1/2">(100'-525')
534.50	1001.50	Gyrodata standard - Drop gyro or Multi-shot	02. Gyrodata MS Gyro <12-1/4">(625')(622'-992')
1001.50	2492.50	ISCWSA MWD, Rev. 4 (Standard)	03. WFT EM <12-1/4">(992')(1106'-2483')
2492.50	6293.50	ISCWSA MWD, Rev. 4 (Standard)	04. WFT EM <8-3/4">(2483')(2626'-6284')
6293.50	14317.00	BHI AutoTrak Curve (Short)	05. BHI AT Curve <8-1/2">(6293.5')(6339'-14317')
14317.00	14342.00	Blind Drilling (std)	Projection to bit
			Tauscher Unit 2H AWB

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Actual Wellpath Report

Tauscher Unit 2H AWP Proj: 14342'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #11
Area	Tyler County, WV	Well	Tauscher Unit 2H
Field	Tyler	Wellbore	Tauscher Unit 2H AWB
Facility	Stoneyly Pad		

COMMENTS
<p>Wellpath general comments API: 47-095-02407-0000 BH Job #: 8936058 Rig: Frontier 22 Duration: 12/31/17 - 01/04/18 Gyrodatta MS Gyro <17-1/2">(100'-525') Gyrodatta MS Gyro <12-1/4">(525')(622'-992') WFT EM <12-1/4">(992')(1106'-2483') WFT EM <8-3/4">(2483')(2626'-6284') Sycamore: 6125'MD / 6051'TVD BHI AT Curve <8-1/2">(6293.5')(6339'-14317') Middlesex: 6351'MD / 6222'TVD Burket: 6522'MD / 6314'TVD Tully: 6590'MD / 6341'TVD POE Marcellus: 6655'MD / 6365'TVD Projected MD @ TD: 14342'</p>

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