

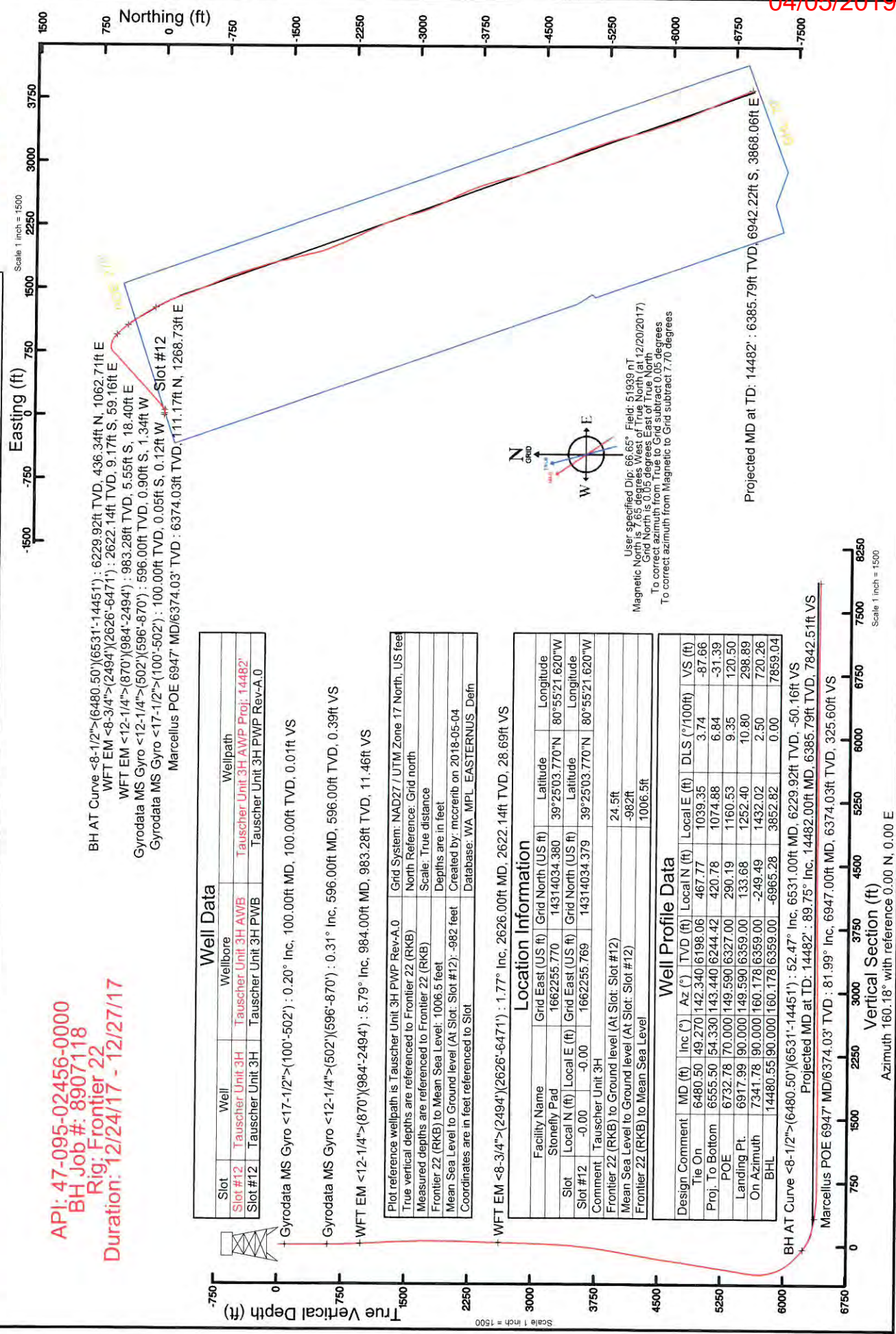


ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
 Slot: Slot #12
 Field: Tyler
 Well: Tauscher Unit 3H
 Facility: Stonefly Pad
 Wellbore: Tauscher Unit 3H PWB



API: 47-095-02456-0000
 BH Job #: 8907118
 Rig: Frontier 22
 Duration: 12/24/17 - 12/27/17



Well Data

Slot	Well	Wellbore	Wellpath
Slot #12	Tauscher Unit 3H	Tauscher Unit 3H AWP	Tauscher Unit 3H AWP Proj: 14482'
Slot #12	Tauscher Unit 3H	Tauscher Unit 3H PWB	Tauscher Unit 3H PWP Rev-A.0

Gyrodatta MS Gyro $\langle -17-1/2 \rangle \langle 100-502 \rangle$: 0.20' Inc, 100.00ft MD, 100.00ft TVD, 0.01ft VS

Gyrodatta MS Gyro $\langle -12-1/4 \rangle \langle 502 \rangle \langle 596-870 \rangle$: 0.31' Inc, 596.00ft MD, 596.00ft TVD, 0.39ft VS

WFT EM $\langle -12-1/4 \rangle \langle 870 \rangle \langle 984-2494 \rangle$: 5.79' Inc, 984.00ft MD, 983.28ft TVD, 11.46ft VS

Plot reference wellpath is Tauscher Unit 3H 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
 Depths are in feet
 Mean Sea Level to Ground level (At Slot: Slot #12) : -982 feet
 Created by: mcrcrnb on 2018-05-04
 Coordinates are in feet referenced to Slot
 Database: WA_MPL_EASTERNUS_Defn

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Stonely Pad	1662255.770	14314034.380	39°25'03.770"N	80°55'21.620"W
Slot #12	-0.00	1662255.769	14314034.379	39°25'03.770"N
Comment	Tauscher Unit 3H			
Frontier 22 (RKB) to Ground level (At Slot: Slot #12)	24.5ft			
Mean Sea Level to Ground level (At Slot: Slot #12)	-982ft			
Frontier 22 (RKB) to Mean Sea Level	1006.5ft			

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	6480.50	49.270	142.340	6198.06	467.77	1039.35	3.74	-87.66
Proj. To Bottom	6555.50	54.330	143.440	6244.42	420.78	1074.88	6.84	-31.39
POE	6732.78	70.000	149.590	6327.00	290.19	1160.53	9.35	120.50
Landing Pt.	6917.99	90.000	149.590	6359.00	133.68	1252.40	10.80	298.89
On Azimuth	7341.78	90.000	160.178	6359.00	-249.49	1432.02	2.50	720.26
BHL	14480.55	90.000	160.178	6359.00	-6965.28	3852.82	0.00	7859.04
BH AT Curve $\langle -8-1/2 \rangle \langle 6480.50 \rangle \langle 6531-14451 \rangle$	6229.92	52.47	144.82	6229.92	-50.16	VS		
Marcellus POE 6947' MD/6374.03' TVD	325.60	81.99	144.82	325.60	VS			

User specified Dip: 66.65° Field: 51938 nT
 Magnetic North is 65 degrees West of True North
 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



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonerfly Pad		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Mccrerrib
Scale	0.999601	Report Generated	5/7/2018 at 11:51:06 AM
Convergence at slot	0.05° East	Database/Source file	WA_MPL_EASTERNUS_Defn/Tauscher_Unit_3H_AWP_Proj_14482_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.00	-0.00	1662255.77	14314034.38	39°25'03.770"N	80°55'21.620"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	Frontier 22 (RKB) to Facility Vertical Datum	1006.50ft
Horizontal Reference Pt	Slot	Frontier 22 (RKB) to Mean Sea Level	1006.50ft
Vertical Reference Pt	Frontier 22 (RKB)	Frontier 22 (RKB) to Ground Level at Slot (Slot #12)	24.50ft
MD Reference Pt	Frontier 22 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	160.18°

04/05/2019



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #12
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 3H
Area	Tyler County, WV	Wellbore	Tauscher Unit 3H AWB
Field	Tyler		
Facility	Stonerfly Pad		

WELLPATH DATA (188 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
0.00†	0.000	245.050	0.00	0.00	0.00	0.00	1662235.77	14314034.38	39°25'03.770"N	80°55'21.620"W	0.00	0.000	0.00	0.00	0.00	
24.50	0.000	245.050	24.50	0.00	0.00	0.00	1662235.77	14314034.38	39°25'03.770"N	80°55'21.620"W	0.00	0.000	0.00	0.00	0.00	
100.00†	0.195	245.050	100.00	0.01	-0.05	-0.12	1662235.65	14314034.32	39°25'03.769"N	80°55'21.621"W	0.13	245.050	0.26	0.26	-152.23	Gyrodatta MS Gyro <17-172">(100'-502')
109.50	0.220	245.050	109.50	0.01	-0.07	-0.15	1662235.62	14314034.31	39°25'03.769"N	80°55'21.622"W	0.16	245.050	0.26	0.26	0.00	
209.50	0.370	237.270	209.50	0.10	-0.32	-0.59	1662235.18	14314034.05	39°25'03.767"N	80°55'21.628"W	0.68	241.346	0.15	0.15	-7.78	
309.50	0.350	259.470	309.50	0.13	-0.55	-1.17	1662234.60	14314033.82	39°25'03.765"N	80°55'21.635"W	1.29	244.546	0.14	-0.02	22.20	
409.50	0.040	159.520	409.50	0.11	-0.64	-1.45	1662234.32	14314033.74	39°25'03.764"N	80°55'21.639"W	1.59	246.128	0.36	0.31	-99.95	
509.50	0.110	224.660	509.50	0.19	-0.74	-1.51	1662234.26	14314033.64	39°25'03.763"N	80°55'21.639"W	1.68	243.744	0.10	0.07	-373.50	
511.50	0.090	217.190	511.50	0.19	-0.75	-1.51	1662234.26	14314033.63	39°25'03.763"N	80°55'21.639"W	1.69	243.699	0.19	-1.00		
596.00†	0.313	115.623	596.00	0.39	-0.90	-1.34	1662234.43	14314033.48	39°25'03.761"N	80°55'21.637"W	1.62	236.195	0.41	0.26	-120.20	Gyrodatta MS Gyro <12-1/4">(502')(596'-870')
605.50	0.350	114.000	605.50	0.43	-0.92	-1.29	1662234.48	14314033.48	39°25'03.761"N	80°55'21.636"W	1.59	234.505	0.41	0.39	-17.08	
695.50	1.360	109.110	695.48	1.29	-1.38	-0.03	1662235.74	14314033.00	39°25'03.756"N	80°55'21.620"W	1.38	181.374	1.12	1.12	-5.43	
785.50	2.850	104.370	785.42	3.22	-2.29	3.14	1662238.91	14314032.09	39°25'03.747"N	80°55'21.580"W	3.89	126.060	1.67	1.66	-5.27	
879.50	4.620	101.640	879.22	6.51	-3.63	9.12	1662234.88	14314030.75	39°25'03.734"N	80°55'21.504"W	9.81	111.729	1.89	1.88	-2.90	
984.00†	5.793	101.724	983.28	11.46	-5.55	18.40	1662274.16	14314028.83	39°25'03.715"N	80°55'21.386"W	19.22	106.794	1.12	1.12	0.08	WFT EM <12-1/4">(870')(984'-2494')
993.50	5.900	101.730	992.74	11.97	-5.75	19.35	1662275.11	14314028.63	39°25'03.713"N	80°55'21.374"W	20.19	106.551	1.12	1.12	0.06	
1088.50	6.290	100.070	1087.20	17.12	-7.65	29.25	1662285.01	14314026.73	39°25'03.694"N	80°55'21.247"W	30.24	104.660	0.45	0.41	-1.79	
1183.50	6.240	103.440	1181.63	22.54	-9.76	39.40	1662295.15	14314024.62	39°25'03.673"N	80°55'21.118"W	40.59	103.917	0.39	-0.05	3.55	
1277.50	5.730	103.600	1275.12	27.93	-12.05	48.93	1662304.68	14314022.33	39°25'03.650"N	80°55'20.997"W	50.39	103.839	0.54	-0.54	0.17	
1372.50	4.640	105.590	1369.73	32.77	-14.20	57.24	1662312.99	14314020.18	39°25'03.629"N	80°55'20.891"W	58.98	103.934	1.16	-1.15	2.09	
1467.50	4.090	104.590	1464.45	36.91	-16.09	64.22	1662319.96	14314018.30	39°25'03.610"N	80°55'20.802"W	66.20	104.064	0.58	-0.58	-1.05	
1561.50	3.490	99.340	1558.25	40.20	-17.40	70.29	1662326.03	14314016.99	39°25'03.597"N	80°55'20.725"W	72.41	103.902	0.74	-0.64	-5.59	
1656.50	2.220	103.820	1653.13	42.63	-18.31	74.93	1662330.67	14314016.08	39°25'03.588"N	80°55'20.665"W	77.13	103.729	1.36	-1.34	4.72	
1750.50	0.640	119.750	1747.09	44.03	-19.00	77.15	1662332.89	14314015.39	39°25'03.582"N	80°55'20.637"W	79.46	103.835	1.72	-1.68	16.99	
1844.50	0.600	194.580	1841.09	44.84	-19.74	77.48	1662333.22	14314014.65	39°25'03.574"N	80°55'20.633"W	79.96	104.291	0.80	-0.04	79.61	
1939.50	0.700	238.920	1936.09	45.36	-20.52	76.86	1662332.60	14314013.87	39°25'03.567"N	80°55'20.641"W	79.55	104.947	0.53	0.11	46.67	
2033.50	1.610	273.050	2030.07	44.96	-20.74	75.05	1662330.79	14314013.64	39°25'03.564"N	80°55'20.664"W	77.87	105.451	1.17	0.97	36.31	
2128.50	2.430	284.550	2125.01	43.31	-20.17	71.77	1662327.51	14314014.22	39°25'03.570"N	80°55'20.708"W	74.55	105.696	0.96	0.86	12.11	
2222.50	2.980	291.480	2218.90	40.57	-18.77	67.57	1662323.31	14314015.61	39°25'03.584"N	80°55'20.759"W	70.13	105.527	0.68	0.59	7.37	
2316.50	2.790	299.020	2312.78	37.23	-16.77	63.29	1662319.04	14314017.62	39°25'03.604"N	80°55'20.814"W	65.48	104.839	0.45	-0.20	8.02	



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482

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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #12
Operator	ANTERO RESOURCES CORPORATION	Well	Tauscher Unit 3H
Area	Tyler County, WV	Wellbore	Tauscher Unit 3H AWB
Field	Tyler		
Facility	Stonerly Pad		

WELLPATH DATA (188 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
2411.50	1.620	324.070	2407.71	34.20	-14.56	60.48	1662316.23	14314019.83	39°25'03.626"N	80°55'20.860"W	62.21	103.534	1.57	-1.23	26.37	
2503.50	1.320	352.660	2499.68	31.92	-12.45	59.58	1662315.33	14314021.93	39°25'03.646"N	80°55'20.861"W	60.87	101.807	0.85	-0.33	31.08	
2626.00†	1.775	352.755	2622.14	28.69	-9.17	59.16	1662314.91	14314025.21	39°25'03.679"N	80°55'20.866"W	59.87	98.814	0.37	0.37	0.08	MFT EM <8-3/4">{2494}{2626}{6471}
2635.50	1.810	352.760	2631.63	28.40	-8.88	59.13	1662314.87	14314025.50	39°25'03.682"N	80°55'20.867"W	59.79	98.540	0.37	0.37	0.06	
2699.50	3.080	34.350	2694.58	26.44	-6.49	59.96	1662315.70	14314029.89	39°25'03.705"N	80°55'20.866"W	60.31	96.182	3.94	2.02	66.02	
2793.50	4.190	54.020	2789.39	23.98	-2.35	64.21	1662319.95	14314032.03	39°25'03.746"N	80°55'20.802"W	64.25	92.094	1.74	1.17	20.71	
2887.50	5.530	53.360	2883.05	21.71	2.37	70.62	1662326.36	14314036.75	39°25'03.793"N	80°55'20.720"W	70.66	88.076	1.43	1.43	-0.70	
2984.50	5.690	51.950	2979.59	18.86	8.13	78.16	1662333.89	14314042.50	39°25'03.850"N	80°55'20.624"W	78.58	84.064	0.22	0.16	-1.45	
3078.50	6.680	50.750	3073.04	15.58	14.46	86.06	1662341.79	14314048.83	39°25'03.912"N	80°55'20.523"W	87.26	80.464	1.06	1.05	-1.28	
3173.50	8.130	50.670	3167.24	11.50	22.21	95.53	1662351.26	14314056.58	39°25'03.989"N	80°55'20.402"W	98.08	76.912	1.53	1.53	-0.08	
3267.50	9.600	53.380	3260.12	7.01	31.10	106.97	1662362.69	14314065.47	39°25'04.076"N	80°55'20.257"W	111.40	73.789	1.63	1.56	2.88	
3361.50	11.240	51.810	3352.56	1.86	41.44	120.46	1662376.18	14314075.80	39°25'04.179"N	80°55'20.085"W	127.39	71.016	1.77	1.74	-1.67	
3456.50	13.230	49.200	3445.40	-4.95	54.27	135.97	1662391.68	14314088.63	39°25'04.305"N	80°55'19.887"W	146.40	68.241	2.17	2.09	-2.75	
3551.50	14.980	47.460	3537.54	-13.59	69.67	153.24	1662406.95	14314104.03	39°25'04.457"N	80°55'19.667"W	168.34	65.550	1.90	1.84	-1.83	
3645.50	16.890	49.650	3627.92	-23.07	86.73	172.60	1662428.30	14314121.08	39°25'04.626"N	80°55'19.420"W	193.17	63.321	2.13	2.03	2.33	
3739.50	19.690	49.180	3717.16	-33.54	105.93	195.00	1662450.69	14314140.26	39°25'04.815"N	80°55'19.134"W	221.91	61.488	2.98	2.98	-0.50	
3834.50	22.360	48.750	3805.83	-45.87	128.31	220.70	1662476.38	14314162.64	39°25'05.036"N	80°55'18.806"W	255.29	59.828	2.82	2.81	-0.45	
3928.50	22.850	47.660	3892.61	-59.40	152.39	247.63	1662503.30	14314186.71	39°25'05.274"N	80°55'18.463"W	290.77	58.393	0.69	0.52	-1.16	
4023.50	22.510	46.220	3980.26	-73.85	177.40	274.40	1662530.06	14314211.70	39°25'05.521"N	80°55'18.122"W	326.75	57.118	0.69	-0.36	-1.52	
4117.50	22.800	47.000	4067.01	-88.32	202.27	300.71	1662556.36	14314236.56	39°25'05.767"N	80°55'17.786"W	362.41	56.074	0.44	0.31	0.83	
4212.50	23.070	49.530	4154.50	-102.13	226.90	328.33	1662583.97	14314261.19	39°25'06.010"N	80°55'17.434"W	399.11	55.353	1.08	0.28	2.66	
4307.50	22.850	48.460	4241.98	-115.52	251.21	356.30	1662611.93	14314285.49	39°25'06.250"N	80°55'17.077"W	435.96	54.814	0.50	-0.23	-1.13	
4401.50	22.650	46.160	4328.67	-129.65	275.85	383.02	1662638.63	14314310.12	39°25'06.493"N	80°55'16.737"W	472.01	54.238	0.97	-0.21	-2.45	
4495.50	22.740	44.180	4415.39	-144.98	301.42	408.73	1662664.34	14314335.68	39°25'06.746"N	80°55'16.409"W	507.86	53.593	0.82	0.10	-2.11	
4590.50	21.000	43.890	4503.55	-160.57	326.86	433.33	1662688.93	14314361.11	39°25'06.997"N	80°55'16.095"W	542.78	52.973	1.84	-1.83	-0.31	
4684.50	21.100	49.810	4591.29	-173.92	349.92	457.94	1662713.52	14314384.16	39°25'07.224"N	80°55'15.781"W	576.32	52.616	2.26	0.11	6.30	
4779.50	21.770	49.550	4679.71	-186.08	372.38	484.41	1662739.98	14314406.61	39°25'07.446"N	80°55'15.444"W	611.00	52.449	0.71	0.71	-0.27	
4874.50	21.790	46.850	4767.93	-199.27	395.87	510.68	1662766.24	14314430.09	39°25'07.678"N	80°55'15.109"W	646.15	52.217	1.05	0.02	-2.84	
4968.50	21.060	47.240	4855.44	-212.76	419.27	535.81	1662791.36	14314453.48	39°25'07.909"N	80°55'14.788"W	680.35	51.957	0.79	-0.78	0.41	
5063.50	21.530	44.980	4943.95	-226.84	443.19	560.66	1662816.20	14314477.39	39°25'08.145"N	80°55'14.471"W	714.67	51.674	1.00	0.49	-2.38	



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonefly Pad		

WELLPATH DATA (188 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
5157.50	21.570	46.620	5031.38	-241.09	467.26	585.41	1662840.94	14314501.45	39°25'08.383"N	80°55'14.156"W	749.02	51.404	0.64	0.82	0.04	1.74
5251.50	21.050	48.200	5118.96	-254.31	490.38	610.55	1662866.08	14314524.56	39°25'08.611"N	80°55'13.835"W	783.10	51.230	0.82	0.82	-0.55	1.68
5346.50	21.600	46.620	5207.45	-267.69	513.76	635.98	1662891.50	14314547.93	39°25'08.842"N	80°55'13.511"W	817.57	51.068	0.84	0.84	0.58	-1.66
5440.50	21.150	48.150	5294.99	-280.96	536.96	661.19	1662916.69	14314571.12	39°25'09.071"N	80°55'13.189"W	851.76	50.920	0.76	-0.48	1.63	
5534.50	21.230	47.630	5382.63	-293.85	559.74	686.40	1662941.89	14314593.90	39°25'09.296"N	80°55'12.868"W	885.69	50.803	0.22	0.09	-0.55	
5629.50	21.260	44.340	5471.18	-307.96	583.65	711.14	1662966.63	14314617.80	39°25'09.532"N	80°55'12.552"W	919.99	50.623	1.26	0.03	-3.46	
5723.50	20.310	44.870	5559.06	-322.36	607.41	734.56	1662990.04	14314641.54	39°25'09.767"N	80°55'12.254"W	953.17	50.413	1.03	-1.01	0.56	
5786.50	19.350	48.800	5618.33	-330.84	622.03	750.13	1663005.60	14314666.16	39°25'09.911"N	80°55'12.055"W	974.48	50.334	2.61	-1.52	6.24	
5817.50	18.650	56.270	5647.64	-333.90	628.17	758.12	1663013.58	14314662.29	39°25'09.972"N	80°55'11.953"W	984.55	50.355	8.16	-2.26	24.10	
5849.50	18.760	63.480	5677.96	-335.73	633.31	766.98	1663022.44	14314667.43	39°25'10.023"N	80°55'11.840"W	994.65	50.453	7.23	0.34	22.53	
5880.50	19.020	72.430	5707.29	-336.12	637.06	776.26	1663031.72	14314671.18	39°25'10.060"N	80°55'11.722"W	1004.20	50.625	9.38	0.84	28.87	
5912.50	20.110	79.030	5737.45	-335.07	639.68	786.63	1663042.08	14314673.80	39°25'10.085"N	80°55'11.590"W	1013.89	50.882	7.70	3.41	20.63	
5943.50	21.230	85.430	5766.46	-332.77	641.14	797.46	1663052.91	14314675.26	39°25'10.100"N	80°55'11.452"W	1023.23	51.202	8.13	3.61	20.65	
5975.50	22.370	91.520	5796.17	-329.03	641.44	809.32	1663064.77	14314675.56	39°25'10.103"N	80°55'11.301"W	1032.69	51.601	7.91	3.56	19.03	
6006.50	24.180	96.880	5824.65	-324.03	640.52	821.53	1663076.97	14314674.65	39°25'10.094"N	80°55'11.145"W	1041.72	52.057	8.98	5.84	17.29	
6038.50	25.980	102.730	5853.64	-317.31	638.19	834.87	1663090.31	14314672.32	39°25'10.070"N	80°55'10.975"W	1050.86	52.605	9.57	5.62	18.28	
6069.50	27.830	107.310	5881.28	-309.29	634.54	848.41	1663103.84	14314668.67	39°25'10.034"N	80°55'10.803"W	1059.45	53.206	8.96	5.97	14.77	
6101.50	28.910	112.360	5909.44	-299.58	629.38	862.69	1663118.12	14314663.50	39°25'09.983"N	80°55'10.621"W	1067.88	53.887	8.22	3.38	15.78	
6132.50	30.040	117.280	5936.43	-288.87	622.97	876.52	1663131.94	14314657.10	39°25'09.920"N	80°55'10.444"W	1075.35	54.598	8.62	3.65	15.87	
6164.50	31.660	121.840	5963.91	-278.41	614.87	890.78	1663146.19	14314649.00	39°25'09.839"N	80°55'10.263"W	1082.38	55.384	8.89	5.06	14.25	
6195.50	33.740	126.020	5990.00	-262.90	605.51	904.66	1663160.06	14314639.64	39°25'09.747"N	80°55'10.086"W	1088.60	56.205	9.90	6.71	13.48	
6227.50	35.970	129.090	6016.26	-247.50	594.35	919.14	1663174.54	14314628.50	39°25'09.636"N	80°55'09.902"W	1094.57	57.112	8.87	6.97	9.59	
6258.00†	37.890	131.200	6041.04	-231.37	582.34	933.37	1663188.77	14314616.49	39°25'09.518"N	80°55'09.721"W	1100.14	58.039	7.42	6.19	6.81	
6285.00†	39.561	132.793	6061.71	-216.76	571.25	945.69	1663201.08	14314605.40	39°25'09.408"N	80°55'09.564"W	1104.83	58.866	7.34	6.30	6.07	Sycamore @ 6285'MD/6061.71'TVD
6290.50	39.910	133.110	6066.94	-213.63	568.85	948.26	1663203.65	14314603.00	39°25'09.384"N	80°55'09.531"W	1105.80	59.041	7.34	6.35	5.76	
6322.50	42.180	134.580	6090.07	-194.80	554.29	963.41	1663218.79	14314588.45	39°25'09.240"N	80°55'09.338"W	1111.49	60.086	7.71	7.09	4.59	
6353.50	44.770	136.010	6112.57	-175.45	539.13	978.41	1663233.78	14314573.30	39°25'09.090"N	80°55'09.147"W	1117.12	61.144	8.94	8.35	4.61	
6385.50	47.150	137.930	6134.81	-154.31	522.31	994.10	1663249.47	14314556.48	39°25'08.924"N	80°55'08.948"W	1122.96	62.282	8.60	7.44	6.00	
6417.50	48.030	139.710	6156.40	-132.31	504.53	1009.65	1663265.01	14314538.71	39°25'08.748"N	80°55'08.750"W	1128.69	63.448	4.94	2.75	5.56	
6448.50	48.550	141.070	6177.02	-110.53	486.70	1024.40	1663279.76	14314520.89	39°25'08.571"N	80°55'08.562"W	1134.14	64.587	3.68	1.68	4.39	



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stoneyly Pad		

WELLPATH DATA (188 stations) † = interpolated/extrapolated station

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
6480.50	49.270	142.340	6198.06	-87.66	467.77	1039.35	1663294.70	14314501.97	39°25'08.384"N	80°55'08.372"W	1139.76	65.769	3.74	2.25	3.97	
6531.00	52.470	144.360	6229.92	-50.16	436.34	1062.71	1663318.06	14314470.55	39°25'08.073"N	80°55'08.074"W	1148.81	67.677	7.05	6.34	4.00	BH AT Curve <8-1/2> (6480.50)/(6531-14451')
6639.00†	53.212	144.522	6234.75	-44.03	431.16	1066.42	1663321.76	14314465.36	39°25'08.022"N	80°55'08.027"W	1150.28	67.986	9.42	9.28	2.02	Middlesex @ 6539MD/6234.75TVD
6601.00	58.970	145.660	6269.33	5.64	388.96	1095.83	1663331.16	14314423.19	39°25'07.605"N	80°55'07.653"W	1162.82	70.458	9.42	9.29	1.87	
6648.00	62.980	145.880	6292.13	45.44	354.99	1118.94	1663374.26	14314389.22	39°25'07.269"N	80°55'07.359"W	1173.90	72.398	8.54	8.53	0.43	
6695.00	67.520	146.750	6311.80	86.86	319.48	1142.60	1663397.91	14314353.73	39°25'06.918"N	80°55'07.058"W	1186.42	74.379	9.80	9.66	1.85	
6724.00†	70.068	147.143	6322.29	113.18	296.62	1157.35	1663412.65	14314331.08	39°25'06.694"N	80°55'06.870"W	1194.80	75.616	8.88	8.79	1.35	Burkett @ 6724MD/6322.29TVD
6742.00	71.650	147.380	6328.19	129.76	282.52	1166.54	1663421.84	14314316.78	39°25'06.552"N	80°55'06.753"W	1200.26	76.389	8.88	8.79	1.32	
6789.00	74.420	148.003	6341.91	173.71	244.36	1190.30	1663445.59	14314278.64	39°25'06.175"N	80°55'06.451"W	1215.12	78.399	6.56	5.89	3.02	
6817.00†	75.760	149.003	6349.11	200.24	221.19	1204.27	1663459.56	14314255.48	39°25'05.946"N	80°55'06.273"W	1224.42	79.592	4.84	4.79	0.73	Tully @ 6817MD/6349.11TVD
6836.00	76.670	149.140	6353.64	218.35	205.38	1213.76	1663469.04	14314239.66	39°25'05.789"N	80°55'06.152"W	1231.01	80.397	4.84	4.79	0.72	
6883.00	79.010	149.480	6363.54	263.47	165.85	1237.20	1663492.48	14314200.16	39°25'05.398"N	80°55'05.854"W	1248.27	82.365	5.03	4.98	0.72	
6930.00	81.320	150.210	6371.56	309.02	125.81	1260.46	1663515.73	14314160.14	39°25'05.002"N	80°55'05.558"W	1266.73	84.300	5.15	4.91	1.55	
6947.00†	81.992	150.892	6374.03	325.60	111.17	1268.73	1663523.99	14314145.50	39°25'04.858"N	80°55'05.453"W	1273.59	84.993	5.60	3.95	4.01	Marcellus POE 6947 MD/6374.03' TVD
6977.00	83.180	152.090	6377.90	355.01	85.02	1282.93	1663538.19	14314119.37	39°25'04.599"N	80°55'05.272"W	1285.75	86.208	5.60	3.96	3.99	
7024.00	82.870	152.470	6383.61	401.22	43.73	1304.63	1663559.88	14314078.09	39°25'04.191"N	80°55'04.996"W	1305.36	88.080	1.04	-0.66	0.81	
7071.00	82.780	153.630	6389.48	447.49	2.16	1325.77	1663581.00	14314036.54	39°25'03.780"N	80°55'04.727"W	1325.77	89.907	2.46	-0.19	2.47	
7118.00	85.350	155.960	6394.34	494.03	-40.13	1345.67	1663600.90	14313994.26	39°25'03.362"N	80°55'04.474"W	1346.27	91.708	7.36	5.47	4.96	
7165.00	85.220	156.710	6396.20	540.76	-83.03	1364.47	1663619.69	14313951.38	39°25'02.937"N	80°55'04.235"W	1366.99	93.482	1.61	-0.28	1.60	
7212.00	86.920	158.080	6401.42	587.59	-126.32	1382.49	1663637.71	14313908.11	39°25'02.509"N	80°55'04.006"W	1388.25	95.221	4.64	3.62	2.91	
7259.00	89.940	160.350	6402.71	634.56	-170.24	1399.16	1663654.37	14313864.21	39°25'02.075"N	80°55'03.794"W	1409.48	96.937	8.04	6.43	4.83	
7353.00	90.280	159.200	6402.68	728.56	-258.83	1430.57	1663685.76	14313775.65	39°25'01.799"N	80°55'03.995"W	1453.80	100.256	0.28	-0.03	0.28	
7447.00	90.060	157.810	6402.40	815.51	-433.64	1496.94	1663732.11	14313600.92	39°24'59.471"N	80°55'02.551"W	1558.48	106.155	1.51	-0.24	-1.49	
7635.00	89.970	157.110	6402.38	1010.40	-521.38	1533.36	1663788.51	14313513.21	39°24'58.603"N	80°55'02.088"W	1619.57	108.779	0.74	-0.08	-0.74	
7728.00	89.910	156.770	6402.48	1103.26	-606.95	1569.78	1663824.92	14313427.67	39°24'57.757"N	80°55'01.625"W	1683.04	111.139	0.37	-0.06	-0.37	
7822.00	89.820	156.160	6402.70	1197.06	-693.14	1607.30	1663862.43	14313341.52	39°24'56.905"N	80°55'01.148"W	1750.39	113.328	0.63	-0.10	-0.63	
7917.00	89.940	157.900	6402.90	1291.91	-780.61	1644.36	1663899.47	14313254.09	39°24'56.040"N	80°55'00.677"W	1820.24	115.394	1.81	0.13	1.81	
8011.00	89.780	161.330	6403.13	1385.89	-868.71	1677.10	1663932.19	14313166.02	39°24'55.169"N	80°55'00.261"W	1886.73	117.383	3.65	-0.17	3.65	
8105.00	90.000	162.310	6403.31	1479.85	-958.01	1706.43	1663961.51	14313076.75	39°24'54.286"N	80°54'59.888"W	1956.96	119.310	1.07	0.23	1.04	



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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stoneyly Pad		

WELLPATH DATA (188 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (P/100ft)	Build Rate (P/100ft)	Turn Rate (P/100ft)	Comments
8199.00	89.910	162.970	6403.38	1573.77	-1047.73	1734.47	1663989.55	14312987.07	39°24'53.399"N	80°54'59.532"W	2026.36	121.135	0.71	-0.10	0.70	
8293.00	89.850	161.860	6403.38	1667.70	-1137.28	1763.03	1664018.09	14312897.55	39°24'52.514"N	80°54'59.169"W	2098.02	122.825	1.40	-0.06	-1.39	
8387.00	90.120	162.610	6403.60	1761.64	-1226.75	1791.87	1664046.91	14312808.12	39°24'51.630"N	80°54'58.803"W	2171.57	124.396	1.05	0.29	1.01	
8480.00	90.370	166.140	6403.20	1854.38	-1316.30	1816.91	1664071.95	14312718.61	39°24'50.744"N	80°54'58.485"W	2243.61	125.922	3.81	0.27	3.80	
8574.00	91.020	170.080	6402.06	1947.45	-1408.26	1836.27	1664091.30	14312626.69	39°24'49.835"N	80°54'58.239"W	2314.10	127.485	4.25	0.69	4.19	
8668.00	90.340	165.170	6400.95	2040.63	-1500.04	1856.41	1664111.43	14312534.94	39°24'48.928"N	80°54'57.984"W	2386.71	128.939	5.27	-0.72	5.22	
8762.00	90.280	165.170	6400.44	2134.27	-1590.91	1880.47	1664135.48	14312444.11	39°24'48.030"N	80°54'57.678"W	2463.16	130.232	0.06	-0.06	0.00	
8857.00	90.520	166.610	6399.78	2228.79	-1683.03	1903.63	1664158.63	14312352.02	39°24'47.119"N	80°54'57.108"W	2540.94	131.481	1.54	0.25	1.52	
8952.00	91.080	166.840	6398.45	2323.16	-1775.49	1925.44	1664180.43	14312259.61	39°24'46.205"N	80°54'56.344"W	2786.84	134.563	2.63	0.03	-2.63	
9047.00	90.550	160.590	6397.10	2417.92	-1866.62	1952.06	1664207.05	14312168.51	39°24'45.304"N	80°54'56.770"W	2700.89	133.718	6.60	-0.56	-6.58	
9142.00	90.580	158.090	6396.18	2512.90	-1955.50	1985.58	1664240.55	14312079.66	39°24'44.425"N	80°54'55.399"W	2873.63	135.293	1.23	-0.03	-1.23	
9236.00	90.550	156.930	6395.23	2606.79	-2042.34	2021.53	1664276.49	14311992.85	39°24'43.567"N	80°54'55.887"W	2962.57	135.948	1.61	0.29	-1.58	
9331.00	90.830	155.430	6394.09	2701.55	-2129.24	2059.89	1664314.84	14311905.99	39°24'42.707"N	80°54'54.891"W	3051.65	136.520	1.27	-0.03	-1.27	
9425.00	90.800	154.240	6392.75	2795.13	-2214.31	2099.86	1664354.79	14311820.96	39°24'41.866"N	80°54'54.368"W	3141.40	137.037	0.48	-0.33	-0.35	
9519.00	90.490	153.910	6391.69	2888.59	-2298.85	2140.95	1664395.86	14311736.46	39°24'41.030"N	80°54'53.843"W	3232.27	137.535	0.70	0.06	0.69	
9614.00	90.550	154.570	6390.83	2983.08	-2384.40	2182.24	1664437.13	14311650.93	39°24'40.184"N	80°54'53.337"W	3322.90	138.032	1.43	-0.48	1.35	
9709.00	90.090	155.850	6390.30	3077.72	-2470.64	2222.07	1664476.95	14311564.73	39°24'39.332"N	80°54'52.847"W	3413.35	138.526	0.51	0.06	0.51	
9804.00	90.150	156.330	6390.10	3172.48	-2557.49	2260.57	1664515.44	14311477.91	39°24'38.473"N	80°54'52.369"W	3504.58	139.021	1.21	-0.03	1.21	
9900.00	90.120	157.490	6389.88	3268.32	-2645.80	2298.22	1664553.07	14311389.64	39°24'37.600"N	80°54'51.933"W	3593.26	139.524	2.44	0.30	2.43	
9994.00	90.400	159.770	6389.45	3362.28	-2733.33	2332.47	1664597.30	14311302.15	39°24'36.734"N	80°54'51.567"W	3681.78	140.108	5.75	0.00	5.75	
10090.00	90.400	165.290	6388.78	3458.16	-2824.86	2361.28	1664636.10	14311210.65	39°24'35.829"N	80°54'51.281"W	3767.27	140.744	2.69	1.78	2.02	
10185.00	92.090	167.210	6388.71	3552.59	-2917.11	2383.85	1664673.67	14311118.44	39°24'34.917"N	80°54'50.955"W	3854.48	141.308	6.42	-1.97	-6.12	
10280.00	90.220	161.400	6388.80	3647.28	-3008.51	2409.54	1664694.34	14311027.08	39°24'34.014"N	80°54'50.531"W	3945.68	141.748	3.59	0.19	-3.58	
10376.00	90.400	157.960	6384.28	3743.26	-3098.52	2442.87	1664731.66	14310937.11	39°24'33.124"N	80°54'50.066"W	4037.28	142.109	1.41	0.29	-1.38	
10471.00	90.680	156.650	6383.38	3838.14	-3186.16	2479.52	1664774.59	14310849.50	39°24'32.257"N	80°54'49.553"W	4130.84	142.410	3.09	0.06	-3.09	
10567.00	90.740	153.680	6382.19	3933.75	-3273.26	2519.83	1664816.96	14310762.43	39°24'31.396"N	80°54'49.014"W	4224.09	142.658	0.40	0.13	-0.38	
10662.00	90.860	153.320	6380.87	4028.10	-3358.27	2562.22	1664859.67	14310677.46	39°24'30.556"N	80°54'48.471"W	4317.49	142.890	0.31	-0.29	-0.11	
10757.00	90.580	153.220	6379.67	4122.40	-3443.11	2604.94	1664899.82	14310592.65	39°24'29.717"N	80°54'47.960"W	4410.41	143.149	3.72	0.29	3.71	
10852.00	90.860	156.740	6378.48	4216.99	-3529.18	2645.11	1664936.43	14310506.62	39°24'28.866"N	80°54'47.494"W	4503.44	143.453	1.81	-0.54	-1.73	
10948.00	90.340	158.400	6377.47	4312.88	-3617.91	2681.74	1664973.43	14310417.92	39°24'27.988"N							



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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonefly Pad		

WELLPATH DATA (188 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (IUS ft)	Grid North (IUS ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
11043.00	89.940	160.200	6377.24	4407.86	-3706.77	2715.32	1664970.00	14310329.10	39°24'27.110"N	80°54'47.068"W	4594.90	143.776	1.94	-0.42	1.89	
11138.00	90.060	162.470	6377.24	4502.84	-3796.77	2745.72	1665000.39	14310239.14	39°24'26.220"N	80°54'46.681"W	4685.55	144.127	2.39	0.13	2.39	
11235.00	89.230	162.710	6377.84	4599.75	-3889.32	2774.74	1665029.40	14310146.62	39°24'25.305"N	80°54'46.313"W	4777.66	144.495	0.89	-0.86	0.25	
11327.00	89.010	164.660	6379.25	4691.56	-3977.60	2800.58	1665055.23	14310056.37	39°24'24.432"N	80°54'45.985"W	4864.62	144.851	2.13	-0.24	2.12	
11421.00	89.170	166.890	6380.75	4785.10	-4066.70	2823.68	1665078.31	14309967.31	39°24'23.531"N	80°54'45.692"W	4952.52	145.239	2.38	0.17	2.37	
11516.00	89.110	168.940	6382.17	4879.52	-4161.03	2845.99	1665100.61	14309875.02	39°24'22.619"N	80°54'45.409"W	5041.21	145.629	1.00	-0.06	-1.00	
11611.00	89.910	163.860	6382.99	4974.19	-4252.74	2870.73	1665125.35	14309783.34	39°24'21.712"N	80°54'45.094"W	5130.98	145.979	2.35	0.84	-2.19	
11706.00	89.510	159.450	6383.47	5069.13	-4342.89	2900.62	1665155.23	14309693.25	39°24'20.821"N	80°54'44.284"W	5222.48	146.261	4.66	-0.42	-4.64	
11800.00	89.970	156.300	6383.89	5163.11	-4430.57	2934.50	1665189.09	14309605.59	39°24'19.954"N	80°54'44.284"W	5314.25	146.482	1.32	0.49	-1.22	
11895.00	90.000	158.300	6383.92	5258.06	-4518.84	2969.63	1665224.20	14309517.35	39°24'19.081"N	80°54'43.838"W	5407.27	146.688	0.03	0.03	0.00	
11989.00	90.060	157.400	6383.87	5351.98	-4605.90	3005.07	1665259.63	14309430.33	39°24'18.220"N	80°54'43.387"W	5499.52	146.878	0.96	0.06	-0.96	
12083.00	90.030	157.500	6383.80	5445.87	-4692.72	3041.12	1665295.66	14309343.55	39°24'17.362"N	80°54'42.929"W	5591.96	147.055	0.11	-0.03	0.11	
12178.00	90.120	157.840	6383.75	5540.76	-4780.41	3077.65	1665332.18	14309255.89	39°24'16.495"N	80°54'42.465"W	5685.44	147.226	0.24	0.00	-0.24	
12273.00	90.280	159.400	6383.29	5730.62	-4956.67	3148.55	1665403.05	14309079.70	39°24'15.627"N	80°54'42.004"W	5778.93	147.395	0.61	0.09	0.60	
12368.00	90.310	160.540	6382.81	5824.62	-5044.98	3180.74	1665435.24	14308991.42	39°24'14.752"N	80°54'41.564"W	5872.13	147.576	1.65	0.17	1.64	
12462.00	90.370	159.370	6382.24	5919.61	-5134.23	3213.31	1665467.78	14308902.21	39°24'13.879"N	80°54'41.155"W	5963.98	147.770	1.21	0.03	1.21	
12557.00	90.400	162.270	6381.60	6014.59	-5223.94	3244.51	1665498.98	14308812.53	39°24'12.997"N	80°54'40.741"W	6056.86	147.959	1.23	0.06	-1.23	
12652.00	89.380	164.700	6381.78	6108.43	-5314.23	3271.23	1665525.69	14308722.46	39°24'12.110"N	80°54'40.345"W	6149.51	148.156	3.05	0.03	3.05	
12746.00	90.220	163.370	6382.12	6203.21	-5405.39	3297.36	1665551.80	14308631.16	39°24'11.219"N	80°54'40.006"W	6240.20	148.384	2.80	-1.03	2.59	
12841.00	90.400	164.020	6381.60	6298.03	-5496.57	3324.03	1665578.46	14308540.02	39°24'10.316"N	80°54'39.674"W	6331.73	148.616	1.66	0.88	-1.40	
12936.00	90.250	165.180	6381.06	6392.74	-5588.15	3349.26	1665603.68	14308448.47	39°24'09.414"N	80°54'39.335"W	6423.50	148.837	0.71	0.19	0.68	
13031.00	90.280	163.330	6380.62	6487.50	-5679.58	3375.03	1665629.45	14308357.08	39°24'08.509"N	80°54'39.015"W	6514.98	149.064	1.23	-0.16	1.22	
13126.00	90.090	160.270	6380.32	6581.45	-5768.87	3404.39	1665656.79	14308267.83	39°24'07.605"N	80°54'38.688"W	6606.70	149.280	1.95	0.03	-1.95	
13220.00	89.750	160.000	6380.45	6676.45	-5858.25	3436.67	1665681.06	14308178.52	39°24'06.722"N	80°54'38.315"W	6698.49	149.454	3.26	-0.20	-3.26	
13315.00	89.600	160.370	6380.87	6771.45	-5947.59	3468.88	1665703.25	14308089.18	39°24'05.839"N	80°54'37.905"W	6791.86	149.602	0.46	-0.36	-0.28	
13410.00	89.910	160.490	6381.33	6865.45	-6036.16	3500.36	1665723.25	14308000.64	39°24'04.955"N	80°54'37.496"W	6885.27	149.748	0.39	0.00	0.39	
13504.00	89.570	159.400	6381.66	6960.44	-6125.40	3532.94	1665745.72	14307911.44	39°24'04.080"N	80°54'37.096"W	6977.66	149.891	0.14	-0.06	0.13	
13599.00	89.570	157.960	6382.09	7055.41	-6213.89	3567.48	1665821.81	14307822.98	39°24'03.197"N	80°54'36.682"W	7071.22	150.025	1.17	0.23	-1.15	
13694.00	89.660	156.490	6382.73	7150.28	-6301.48	3604.25	1665858.57	14307735.43	39°24'02.322"N	80°54'36.243"W	7165.15	150.139	1.56	-0.36	-1.52	
13789.00	89.660	156.490	6382.73	7150.28	-6301.48	3604.25	1665858.57	14307735.43	39°24'01.456"N	80°54'35.776"W	7259.43	150.232	1.55	0.09	-1.55	



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonefly Pad		

WELLPATH DATA (188 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
13884.00	89.690	156.870	6383.27	7245.10	-6388.72	3641.86	1665896.16	14307648.23	39°24'00.594"N	80°54'35.298"W	7353.83	150.315	0.40	0.03	0.40	
13979.00	89.630	156.590	6383.83	7339.92	-6475.99	3679.39	1665933.68	14307560.99	39°23'59.731"N	80°54'34.821"W	7448.24	150.397	0.30	-0.06	-0.29	
14073.00	90.220	158.310	6383.95	7433.81	-6562.80	3715.43	1665969.71	14307474.22	39°23'58.872"N	80°54'34.363"W	7541.54	150.484	1.93	0.63	1.83	
14168.00	89.660	159.140	6384.05	7528.78	-6651.32	3749.90	1666004.17	14307385.73	39°23'57.997"N	80°54'33.925"W	7635.57	150.586	1.05	-0.58	0.87	
14263.00	89.750	157.670	6384.54	7623.73	-6739.65	3784.87	1666039.12	14307297.44	39°23'57.124"N	80°54'33.481"W	7729.69	150.682	1.55	0.09	-1.56	
14357.00	89.570	157.130	6385.10	7717.62	-6828.43	3820.99	1666075.22	14307210.69	39°23'56.266"N	80°54'33.022"W	7823.05	150.763	0.61	-0.19	-0.57	
14451.00	89.750	158.330	6385.66	7811.53	-6913.41	3856.61	1666110.83	14307123.74	39°23'55.406"N	80°54'32.569"W	7916.36	150.845	1.29	0.19	1.28	
14482.00	89.750	158.330	6385.79	7842.51	-6942.22	3888.06	1666122.27	14307094.94	39°23'55.121"N	80°54'32.423"W	7947.10	150.874	0.00	0.00	0.00	Projected MD at ID: 14482'

HOLE & CASING SECTIONS - Ref Wellbore: Tauscher Unit 3H AWB Ref Wellpath: Tauscher Unit 3H AWP Proj: 14482'

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 E/W [ft]	End E/W [ft]
20in Conductor	24.50	104.50	80.00	24.50	104.50	0.00	0.00	0.00	-0.13
17.5in Open Hole	104.50	539.60	435.10	104.50	539.60	-0.06	-0.79	-0.13	-1.51
13.375in Casing Surface	24.50	539.60	515.10	24.50	539.60	0.00	-0.79	0.00	-1.51
12.25in Open Hole	539.60	2588.60	2049.00	539.60	2584.76	-0.79	-10.28	-1.51	59.30
9.625in Casing Intermediate	24.50	2588.60	2564.10	24.50	2584.76	0.00	-10.28	0.00	59.30



Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonefly Pad		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Tauscher Unit 3H POE Rev-3	6327.00	290.19	1160.53	1663415.84	14314324.45	39°25'06.628"N	80°55'06.829"W	point
Tauscher Unit 3H BHL Rev-3	6359.00	-6965.28	3852.82	1666107.04	14307071.90	39°23'54.893"N	80°54'32.618"W	point
Tauscher Unit 3H LP Rev-1	6359.00	133.68	1252.40	1663507.66	14314168.00	39°25'05.080"N	80°55'05.661"W	point

WELLPATH COMPOSITION - Ref Wellbore: Tauscher Unit 3H AWB Ref Wellpath: Tauscher Unit 3H AWP Proj: 14482'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.50	511.50	Gyrodata standard - Drop gyro or Multi-shot	01_Gyrodata MS Gyro <17-1/2">(100'-502')	Tauscher Unit 3H AWB
511.50	879.50	Gyrodata standard - Drop gyro or Multi-shot	02_Gyrodata MS Gyro <12-1/4">(502')(596'-870')	Tauscher Unit 3H AWB
879.50	2503.50	ISCVSA MWD, Rev. 4 (Standard)	03_WFT EM <12-1/4">(870')(984'-2494')	Tauscher Unit 3H AWB
2503.50	6480.50	ISCVSA MWD, Rev. 4 (Standard)	04_WFT EM <8-3/4">(2494')(2626'-6471')	Tauscher Unit 3H AWB
6480.50	14451.00	BHI AutoTrak Curve (Short)	05_BH AT Curve <8-1/2">(6480.50')(6631'-14451')	Tauscher Unit 3H AWB
14451.00	14482.00	Blind Drilling (std)	Projection to bit	Tauscher Unit 3H AWB

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Actual Wellpath Report

Tauscher Unit 3H AWP Proj: 14482'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #12
Area	Tyler County, WV	Well	Tauscher Unit 3H
Field	Tyler	Wellbore	Tauscher Unit 3H AWB
Facility	Stonefly Pad		

COMMENTS

Wellpath general comments
 API: 47095024560000
 BH Job #: 8907118
 Rig: Frontier 22
 Duration: 12/24/17 - 12/27/17
 Gyrodatta MS Gyro <17-1/2">(100'-502')
 Gyrodatta MS Gyro <12-1/4">(502')(596'-870')
 WFT EM <12-1/4">(870')(984'-2494')
 WFT EM <8-3/4">(2494')(2626'-6471')
 POE: 6947 ft MD / 6374.03 ft TVD
 BH AT Curve <8-1/2">(6480.50')(6531'-14451')
 Projected MD at TD: 14482'

04/05/2019