



Actual Wellpath Report

Pierson Unit 3H AWP Proj: 16169'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Pierson Unit 3H
Field	Tyler	Wellbore	Pierson Unit 3H AWB
Facility	Dawson Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect@ 5.1
North Reference	Grid	User	McCrerib
Scale	0.999601	Report Generated	5/8/2018 at 11:52:58 AM
Convergence at slot	0.08° East	Database/Source file	WA_MPL_EASTERUS_Defn\Pierson_Unit_3H_AWP_Proj_16169_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North(ft)	East(ft)	Easting(US ft)	Northing(US ft)	Latitude	Longitude
Slot Location	7.08	-7.08	1676042.65	14300599.59	39°22'50.780"N	80°52'26.120"W
Facility Reference Pt			1676049.73	14300592.52	39°22'50.710"N	80°52'26.030"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.301"W

WELLPATH DATUM			
Calculation method	Minimum curvature		25.00ft
Horizontal Reference Pt	Slot	Patterson 342 (RKB) to Facility Vertical Datum	1035.00ft
Vertical Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Mean Sea Level	25.00ft
MD Reference Pt	Patterson 342 (RKB)	Patterson 342 (RKB) to Ground Level at Slot (Slot #03)	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Origin	340.16°
		Section Azimuth	



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Gas
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REFERENCE WELLPATH IDENTIFICATION		Operator	ANTERO RESOURCES CORPORATION	Area	Tyler County, WV	Field	Tyler	Facility	Dawson Pad	Well	Wellbore	Slot #03	Pierson Unit 3H	Slot #03	Pierson Unit 3H AWP
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WELLPATH DATA (194 stations) † = Interpolated/extrapolated station																
MD	Inclination	Azimuth	TVD	Vert Secl	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
ft	°	°	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft/100ft	ft/100ft	ft/100ft	
0.00†	0.000	239.460	0.00	0.00	0.00	0.00	1676042.65	14300599.59	39°22'50.780"N	80°52'26.120"W	0.00	0.000	0.00	0.00	0.00	
25.00	0.000	239.460	25.00	0.00	0.00	0.00	1676042.65	14300599.59	39°22'50.780"N	80°52'26.120"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.620	239.460	100.00	-0.08	-0.21	-0.33	1676042.30	14300599.38	39°22'50.778"N	80°52'26.124"W	0.41	239.460	0.83	0.83	-160.72	Gyrodata MS Gyro <-17-1/2">(100-548')
200.00	0.460	230.940	199.99	-0.31	-0.73	-1.13	1676041.52	14300598.86	39°22'50.773"N	80°52'26.134"W	1.35	236.926	0.18	-0.16	-8.52	
300.00	0.190	192.820	299.99	-0.58	-1.15	-1.48	1676041.17	14300598.44	39°22'50.769"N	80°52'26.139"W	1.87	232.102	0.33	-0.27	-38.12	
400.00	0.060	245.790	399.99	-0.72	-1.33	-1.56	1676041.09	14300598.26	39°22'50.767"N	80°52'26.140"W	2.05	229.515	0.16	-0.13	52.97	
500.00	0.130	226.030	499.99	-0.77	-1.43	-1.69	1676040.96	14300598.16	39°22'50.766"N	80°52'26.142"W	2.21	229.716	0.08	0.07	-19.76	
548.00	0.230	225.680	547.99	-0.84	-1.54	-1.80	1676040.85	14300598.05	39°22'50.765"N	80°52'26.143"W	2.37	229.467	0.21	0.21	-0.73	
625.00	0.110	300.600	624.99	-0.84	-1.61	-1.97	1676040.68	14300597.98	39°22'50.764"N	80°52'26.145"W	2.54	230.813	0.30	-0.16	97.30	Gyrodata MS Gyro <-12-1/4">(548)(625-866')
715.00	0.120	240.220	714.99	-0.79	-1.61	-2.13	1676040.52	14300597.98	39°22'50.764"N	80°52'26.147"W	2.67	232.884	0.13	0.01	-67.09	
775.00	0.140	270.840	774.99	-0.78	-1.64	-2.28	1676040.39	14300597.95	39°22'50.764"N	80°52'26.149"W	2.79	233.975	0.12	0.03	51.03	
866.00	0.710	226.460	865.99	-0.96	-2.03	-2.78	1676039.88	14300597.56	39°22'50.760"N	80°52'26.155"W	3.44	233.858	0.68	0.63	-48.77	
927.00	1.600	219.750	926.98	-1.55	-2.94	-3.59	1676039.06	14300596.65	39°22'50.751"N	80°52'26.166"W	4.65	230.696	1.47	1.46	-11.00	Directional ONE MWD <-12-1/4">(866)(927-2522')
1047.00	3.640	226.450	1046.84	-3.93	-6.86	-7.43	1676035.23	14300592.74	39°22'50.712"N	80°52'26.215"W	10.11	227.291	1.72	1.70	5.58	
1142.00	3.070	228.410	1141.68	-6.08	-10.62	-11.52	1676031.14	14300588.97	39°22'50.675"N	80°52'26.267"W	15.67	227.311	0.61	-0.60	2.06	
1236.00	3.140	227.590	1235.54	-8.00	-14.03	-15.30	1676027.36	14300585.57	39°22'50.642"N	80°52'26.315"W	20.76	227.479	0.09	0.07	-0.87	
1330.00	5.250	229.300	1329.29	-10.52	-18.57	-20.46	1676022.20	14300581.03	39°22'50.597"N	80°52'26.381"W	27.63	227.773	2.25	2.24	1.82	
1424.00	7.140	234.140	1422.73	-13.67	-24.80	-28.46	1676014.21	14300574.80	39°22'50.535"N	80°52'26.483"W	37.74	228.930	2.08	2.01	5.15	
1519.00	9.140	229.150	1516.77	-18.00	-33.19	-38.95	1676003.72	14300566.41	39°22'50.453"N	80°52'26.617"W	51.17	229.563	2.23	2.11	-5.25	
1613.00	11.150	223.470	1609.30	-24.76	-44.67	-50.85	1675991.82	14300554.94	39°22'50.339"N	80°52'26.768"W	67.89	228.701	2.39	2.14	-6.04	
1707.00	12.910	220.610	1701.23	-34.02	-59.24	-63.94	1675978.74	14300540.37	39°22'50.195"N	80°52'26.935"W	87.17	227.184	1.98	1.87	-3.04	
1801.00	13.700	219.650	1792.71	-44.85	-75.78	-77.88	1675964.80	14300523.84	39°22'50.032"N	80°52'27.113"W	108.67	225.781	0.87	0.84	-1.02	
1896.00	15.410	223.190	1884.66	-56.29	-93.65	-93.70	1675948.99	14300505.98	39°22'49.856"N	80°52'27.315"W	132.47	225.014	2.03	1.80	3.73	
1990.00	16.100	228.350	1975.13	-66.80	-111.42	-111.99	1675930.71	14300488.22	39°22'49.680"N	80°52'27.548"W	157.97	225.145	1.66	0.73	5.49	
2084.00	16.250	229.640	2065.41	-76.25	-128.60	-131.75	1675910.96	14300471.04	39°22'49.511"N	80°52'27.800"W	184.10	225.693	0.41	0.16	1.37	
2178.00	15.870	225.820	2155.74	-86.16	-146.07	-150.99	1675891.73	14300453.58	39°22'49.338"N	80°52'28.045"W	210.08	225.947	1.19	-0.40	-4.06	
2273.00	15.240	218.930	2247.27	-97.99	-164.84	-168.15	1675874.57	14300434.82	39°22'49.153"N	80°52'28.264"W	235.47	225.569	2.05	-0.66	-7.25	
2367.00	15.080	220.960	2338.00	-110.36	-183.69	-183.93	1675858.80	14300415.98	39°22'48.967"N	80°52'28.466"W	259.94	225.038	0.59	-0.17	-2.16	
2461.00	14.800	226.230	2428.83	-121.19	-201.23	-200.61	1675842.12	14300398.45	39°22'48.794"N	80°52'28.678"W	284.14	224.913	1.48	-0.30	5.61	
2522.00	14.280	226.070	2487.87	-127.43	-211.83	-211.66	1675831.08	14300387.84	39°22'48.689"N	80°52'28.819"W	299.45	224.976	0.85	-0.85	-0.26	



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REFERENCE WELLPATH IDENTIFICATION		Operator	ANTERO RESOURCES CORPORATION	Well	Slot #03
Area	Tyler County, WV	Well		Pierson Unit 3H	
Field	Tyler	Wellbore		Pierson Unit 3H AWB	
Facility	Dawson Pad				

WELLPATH DATA (194 stations)																
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	ft	ft	ft	ft	ft	ft	ft/100ft	ft/100ft	ft/100ft	
2656.00	13.190	220.530	2618.05	-141.73	-234.92	-233.50	1675809.25	14300364.76	39°22'48.461"N	80°52'29.098"W	331.22	224.826	1.27	-0.81	-4.13	Directional ONE MWD <8-3/4" (2522) (2656-5962)
2750.00	13.230	221.040	2709.56	-152.27	-251.19	-247.53	1675796.22	14300348.50	39°22'48.301"N	80°52'29.217"W	352.65	224.580	0.13	0.04	0.54	
2844.00	13.960	224.860	2800.93	-162.34	-262.58	-262.58	1675780.17	14300332.37	39°22'48.141"N	80°52'29.469"W	374.72	224.487	1.22	0.77	4.06	
2943.00	15.240	228.500	2896.73	-172.25	-284.41	-280.75	1675762.02	14300315.29	39°22'47.973"N	80°52'29.700"W	399.64	224.628	1.60	1.30	3.68	
3038.00	16.490	228.500	2988.11	-181.83	-301.62	-300.20	1675742.57	14300298.03	39°22'47.803"N	80°52'29.948"W	425.55	224.864	1.32	1.32	0.00	
3132.00	15.930	226.810	3078.38	-191.87	-319.29	-319.59	1675723.18	14300280.43	39°22'47.629"N	80°52'30.196"W	451.76	225.027	0.78	-0.60	-1.80	
3227.00	15.530	229.050	3169.82	-201.62	-336.55	-338.71	1675704.08	14300265.18	39°22'47.458"N	80°52'30.439"W	477.48	225.183	0.77	-0.42	-2.36	
3321.00	15.680	231.550	3260.36	-210.20	-352.69	-358.16	1675684.64	14300247.04	39°22'47.299"N	80°52'30.687"W	502.66	225.440	0.73	0.16	2.66	
3416.00	15.540	229.070	3351.85	-218.88	-369.01	-377.83	1675664.97	14300230.72	39°22'47.138"N	80°52'30.938"W	528.13	225.676	0.72	-0.15	-2.61	
3511.00	16.190	231.510	3443.23	-227.69	-385.60	-397.81	1675645.00	14300214.15	39°22'46.974"N	80°52'31.193"W	554.02	225.893	0.98	0.68	2.57	
3605.00	16.250	228.590	3533.49	-236.72	-402.45	-417.93	1675624.89	14300197.30	39°22'46.808"N	80°52'31.449"W	580.20	226.081	0.87	0.06	-3.11	
3699.00	15.760	224.110	3623.85	-247.16	-420.32	-436.68	1675606.15	14300179.44	39°22'46.632"N	80°52'31.689"W	606.10	226.094	1.41	-0.52	-4.77	
3793.00	14.680	225.340	3714.56	-257.77	-437.85	-454.04	1675588.79	14300161.91	39°22'46.459"N	80°52'31.910"W	630.77	226.039	1.20	-1.15	1.31	
3888.00	14.300	231.760	3806.54	-268.52	-453.58	-471.82	1675571.02	14300146.19	39°22'46.304"N	80°52'32.137"W	654.48	226.129	1.74	-0.40	6.76	
3982.00	15.520	232.090	3897.37	-274.09	-468.49	-490.86	1675551.99	14300131.29	39°22'46.156"N	80°52'32.379"W	678.55	226.335	1.30	1.30	0.35	
4076.00	15.750	230.210	3987.90	-282.34	-484.38	-510.58	1675532.27	14300115.40	39°22'46.000"N	80°52'32.631"W	703.79	226.508	0.59	0.24	-2.00	
4171.00	15.710	225.970	4079.34	-292.01	-501.58	-529.74	1675513.13	14300098.22	39°22'45.830"N	80°52'32.875"W	729.52	226.580	1.21	-0.04	-4.46	
4265.00	14.710	228.230	4170.05	-301.69	-518.37	-547.79	1675495.08	14300081.43	39°22'45.664"N	80°52'33.105"W	754.18	226.580	1.24	-1.06	2.40	
4360.00	14.580	223.400	4261.97	-311.57	-535.09	-565.00	1675477.88	14300064.71	39°22'45.499"N	80°52'33.325"W	778.17	226.557	1.29	-0.14	-5.08	
4454.00	13.760	225.800	4353.11	-321.51	-551.48	-581.14	1675461.74	14300048.33	39°22'45.337"N	80°52'33.551"W	801.16	226.500	1.07	-0.87	2.55	
4548.00	14.710	227.960	4444.22	-330.63	-567.27	-598.02	1675444.87	14300032.55	39°22'45.182"N	80°52'33.746"W	824.27	226.512	1.16	1.01	2.30	
4643.00	15.040	226.210	4536.04	-340.20	-583.88	-615.88	1675427.02	14300015.95	39°22'45.018"N	80°52'33.973"W	848.66	226.528	0.59	0.35	-1.84	
4737.00	15.520	228.910	4626.71	-349.70	-600.58	-634.16	1675408.74	14299999.25	39°22'44.854"N	80°52'34.207"W	873.42	226.558	0.91	0.51	2.87	
4831.00	15.860	226.450	4717.21	-359.43	-617.70	-652.95	1675389.96	14299982.14	39°22'44.684"N	80°52'34.446"W	898.83	226.589	0.79	0.36	-2.62	
4926.00	15.690	222.310	4808.64	-370.65	-636.14	-671.01	1675371.91	14299963.70	39°22'44.502"N	80°52'34.676"W	924.62	226.528	1.20	-0.18	-4.36	
5020.00	14.400	225.020	4899.41	-381.55	-653.81	-687.83	1675353.73	14299946.05	39°22'44.328"N	80°52'34.891"W	948.98	226.453	1.56	-1.37	2.88	
5114.00	15.480	229.270	4990.24	-390.99	-670.25	-705.60	1675337.33	14299929.60	39°22'44.165"N	80°52'35.118"W	973.20	226.472	1.64	1.15	4.52	
5208.00	15.650	233.810	5080.79	-399.25	-686.10	-725.21	1675317.73	14299913.76	39°22'44.009"N	80°52'35.368"W	998.33	226.587	1.03	0.18	3.77	
5302.00	15.170	228.340	5171.42	-407.60	-701.94	-744.50	1675298.45	14299897.93	39°22'43.853"N	80°52'35.613"W	1023.23	226.685	1.36	-0.51	-4.76	
5397.00	15.190	228.710	5263.10	-416.77	-718.42	-763.14	1675279.82	14299881.46	39°22'43.690"N	80°52'35.851"W	1048.10	226.729	0.10	0.02	0.39	



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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #03
Operator	ANTERO RESOURCES CORPORATION	Well	Pierson Unit 3H
Area	Tyler County, WV	Wellbore	Pierson Unit 3H AWB
Field	Tyler		
Facility	Dawson Pad		

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	°	ft/100ft	ft/100ft	°/100ft	
5491.00	14.530	235.970	5353.96	-424.16	-733.14	-782.17	1675260.80	14299866.74	39°22'43.54"N	80°52'36.094"W	1072.05	226.853	2.10	-0.70	7.72	
5585.00	13.750	232.140	5445.12	-430.51	-746.60	-800.76	1675242.21	14299853.29	39°22'43.412"N	80°52'36.331"W	1094.82	227.005	1.30	-0.83	4.07	
5679.00	15.490	228.400	5536.07	-438.62	-761.79	-818.97	1675224.01	14299838.10	39°22'43.262"N	80°52'36.563"W	1118.50	227.072	2.11	1.85	-3.98	
5773.00	19.020	221.080	5625.84	-450.72	-781.68	-838.43	1675204.56	14299818.22	39°22'43.066"N	80°52'36.811"W	1146.29	227.006	4.40	3.76	-7.79	
5820.00	20.250	216.690	5670.11	-458.93	-793.98	-848.32	1675194.67	14299805.93	39°22'42.944"N	80°52'36.937"W	1161.92	226.895	4.08	2.62	-9.34	
5867.00	19.160	214.380	5714.36	-467.93	-806.86	-857.54	1675185.46	14299793.05	39°22'42.817"N	80°52'37.055"W	1177.46	226.744	2.85	-2.32	-4.91	
5914.00	16.040	217.040	5759.15	-475.99	-818.42	-865.81	1675177.19	14299781.50	39°22'42.703"N	80°52'37.160"W	1191.40	226.612	6.85	-6.64	5.66	
5962.00	14.200	222.830	5805.49	-482.32	-828.03	-873.80	1675169.20	14299763.19	39°22'42.608"N	80°52'37.262"W	1203.81	226.541	4.95	-3.83	12.06	
6018.00	13.030	234.450	5859.93	-487.18	-836.74	-883.61	1675159.39	14299753.19	39°22'42.522"N	80°52'37.387"W	1216.92	226.561	5.30	-2.09	20.75	BH AT Curve -8-1/2"-(5962')(6018--16146)
6068.00	13.140	250.890	5908.64	-488.63	-841.88	-893.57	1675149.44	14299758.05	39°22'42.471"N	80°52'37.514"W	1227.69	226.706	7.42	0.22	32.88	
6115.00	14.330	268.030	5954.32	-486.78	-843.83	-904.44	1675138.58	14299756.10	39°22'42.452"N	80°52'37.653"W	1236.95	226.986	8.98	2.53	36.47	
6162.00	15.970	281.850	5999.70	-481.60	-842.70	-916.58	1675126.43	14299757.23	39°22'42.464"N	80°52'37.807"W	1245.10	227.405	8.41	3.49	29.40	
6209.00	18.900	293.320	6044.55	-472.99	-838.36	-929.91	1675113.11	14299761.57	39°22'42.507"N	80°52'37.977"W	1252.03	227.964	9.58	6.23	24.40	
6257.00	22.830	308.470	6089.42	-459.73	-829.48	-944.35	1675098.67	14299770.45	39°22'42.595"N	80°52'38.161"W	1256.91	228.705	13.85	8.19	31.56	
6295.00†	25.865	313.972	6124.04	-446.02	-819.13	-956.09	1675086.94	14299780.79	39°22'42.687"N	80°52'38.310"W	1259.00	229.412	9.96	7.99	14.48	Sycamore @ 6295'WD
6304.00	26.610	315.100	6132.12	-442.43	-816.34	-958.93	1675084.10	14299783.58	39°22'42.725"N	80°52'38.346"W	1259.35	229.592	9.96	8.28	12.53	
6351.00	31.460	320.420	6173.20	-421.33	-799.42	-974.19	1675068.85	14299800.49	39°22'42.822"N	80°52'38.540"W	1260.20	230.628	11.68	10.32	11.32	
6398.00	36.050	325.780	6212.28	-396.37	-778.51	-989.79	1675053.26	14299821.39	39°22'43.099"N	80°52'38.738"W	1259.27	231.813	11.63	9.77	11.40	
6435.00†	39.611	327.990	6241.50	-374.29	-759.50	-1002.17	1675040.88	14299840.39	39°22'43.287"N	80°52'38.896"W	1257.45	232.843	10.30	9.62	5.97	Tully @ 6435'WD
6445.00	40.580	328.530	6249.15	-367.99	-754.03	-1005.56	1675037.50	14299845.87	39°22'43.341"N	80°52'38.939"W	1256.86	233.135	10.30	9.69	5.40	
6492.00	45.820	329.590	6283.40	-336.43	-726.43	-1022.08	1675020.98	14299873.45	39°22'43.614"N	80°52'39.149"W	1253.94	234.597	11.25	11.15	2.26	
6501.00†	46.738	329.851	6289.62	-330.03	-720.82	-1025.36	1675017.70	14299879.06	39°22'43.670"N	80°52'39.190"W	1253.37	234.893	10.41	10.20	2.90	Middlesex @ 6501'WD
6540.00	50.720	330.900	6315.34	-301.15	-695.34	-1039.84	1675003.23	14299904.53	39°22'43.922"N	80°52'39.374"W	1250.90	236.229	10.41	10.21	2.69	
6587.00	56.050	332.700	6343.36	-263.84	-662.09	-1057.64	1674985.43	14299937.76	39°22'44.251"N	80°52'39.601"W	1247.79	237.953	11.75	11.34	3.83	
6634.00	60.930	334.770	6367.92	-224.03	-626.17	-1075.35	1674967.73	14299973.67	39°22'44.606"N	80°52'39.825"W	1244.37	239.788	11.04	10.38	4.40	
6661.00	65.410	336.310	6389.13	-182.24	-588.00	-1092.50	1674950.39	14300011.83	39°22'44.983"N	80°52'40.046"W	1240.86	241.715	9.97	9.53	3.28	
6714.00†	69.296	338.043	6401.84	-151.83	-559.93	-1104.50	1674938.59	14300036.88	39°22'45.261"N	80°52'40.196"W	1238.33	243.117	12.73	11.78	5.25	Burket @ 6714'WD
6728.00	70.950	338.750	6406.60	-138.67	-547.69	-1109.35	1674933.74	14300052.12	39°22'45.382"N	80°52'40.257"W	1237.18	243.724	12.73	11.81	5.05	
6775.00	74.840	340.050	6420.42	-93.77	-505.65	-1125.15	1674917.95	14300094.14	39°22'45.798"N	80°52'40.458"W	1233.55	245.801	8.69	8.28	2.77	
6822.00	74.010	339.830	6433.04	-48.49	-463.12	-1140.68	1674902.43	14300136.65	39°22'46.218"N	80°52'40.655"W	1231.11	247.903	1.82	-1.77	-0.47	



Actual Wellpath Report

Pierson Unit 3H AWP Proj: 16169'
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SEE PLAN FOR LOCATION
DEVIATION



REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
Slot	Slot #03								
Well	Wellbore								
	Pierson Unit 3H AWP								

WELLPATH DATA (194 stations) f = 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	ft	ft	°	°	ft	°	ft/100ft	ft/100ft	ft/100ft	
6669.00	73.400	340.140	6446.23	-3.38	-420.73	-1156.12	1674887.00	14300179.02	39°22'46.637"N	80°52'40.850"W	1230.29	250.003	1.44	-1.30	0.66	
6617.00	74.110	341.370	6459.65	42.70	-377.23	-1171.30	1674871.81	14300222.51	39°22'47.068"N	80°52'41.043"W	1230.55	252.148	2.87	1.48	2.56	
6940.00f	75.289	341.769	6465.72	64.88	-356.18	-1178.32	1674864.80	14300243.55	39°22'47.276"N	80°52'41.132"W	1230.97	253.181	5.39	5.13	1.73	POE Marcellus @ 6940MD
6964.00	76.520	342.180	6471.57	88.14	-334.05	-1185.52	1674857.60	14300265.68	39°22'47.485"N	80°52'41.223"W	1231.68	254.264	5.39	5.13	1.71	
7011.00	80.730	343.330	6480.84	134.16	-290.05	-1199.17	1674843.96	14300304.96	39°22'47.930"N	80°52'41.397"W	1233.75	256.403	9.27	8.96	2.45	
7058.00	83.400	344.730	6487.32	180.60	-245.30	-1211.98	1674831.16	14300353.39	39°22'48.372"N	80°52'41.559"W	1236.55	258.558	6.40	5.68	2.98	
7106.00	86.830	345.330	6491.41	228.24	-199.11	-1224.33	1674818.81	14300400.56	39°22'48.829"N	80°52'41.715"W	1240.41	260.763	7.25	7.15	1.25	
7200.00	90.150	342.160	6493.89	322.00	-108.92	-1250.63	1674792.52	14300490.71	39°22'49.720"N	80°52'42.046"W	1255.36	265.023	4.88	3.53	-3.37	
7294.00	90.340	339.690	6493.49	415.99	-20.09	-1281.34	1674761.82	14300579.51	39°22'50.999"N	80°52'42.438"W	1281.50	269.102	2.64	0.20	-2.63	
7387.00	90.220	337.340	6493.03	508.94	66.44	-1315.40	1674727.77	14300666.01	39°22'51.455"N	80°52'42.871"W	1317.08	272.892	2.53	-0.13	-2.53	
7484.00	90.060	337.780	6492.79	605.84	156.10	-1352.43	1674690.76	14300755.62	39°22'52.341"N	80°52'43.341"W	1361.41	276.584	0.48	-0.16	0.45	
7576.00	90.150	336.250	6492.63	697.70	240.79	-1388.35	1674654.85	14300840.28	39°22'53.179"N	80°52'43.797"W	1409.08	279.839	1.67	0.10	-1.66	
7671.00	90.180	336.100	6492.35	792.47	327.69	-1426.73	1674616.48	14300927.15	39°22'54.038"N	80°52'44.284"W	1463.88	282.935	0.16	0.03	-0.16	
7765.00	90.280	337.660	6491.98	886.31	414.14	-1463.64	1674579.60	14301013.56	39°22'54.893"N	80°52'44.752"W	1521.10	285.799	1.66	0.11	1.66	
7859.00	90.310	340.960	6491.49	980.29	502.07	-1496.84	1674546.41	14301101.45	39°22'55.762"N	80°52'45.174"W	1578.80	288.542	3.51	0.03	3.51	
7953.00	90.430	343.850	6490.88	1074.20	591.66	-1528.25	1674518.01	14301191.01	39°22'56.648"N	80°52'45.534"W	1635.99	291.202	3.08	0.13	3.07	
8047.00	90.370	346.090	6490.23	1167.86	682.43	-1549.63	1674493.64	14301281.75	39°22'57.546"N	80°52'45.843"W	1693.24	293.768	2.38	-0.06	2.38	
8141.00	90.520	345.480	6489.50	1261.41	773.55	-1572.71	1674470.57	14301372.83	39°22'58.447"N	80°52'46.135"W	1752.66	296.191	0.67	0.16	-0.65	
8236.00	91.380	342.670	6487.92	1356.16	864.88	-1598.77	1674444.52	14301464.13	39°22'59.350"N	80°52'46.466"W	1817.71	298.412	3.09	0.91	-2.96	
8329.00	90.250	339.960	6486.60	1449.12	952.96	-1628.56	1674414.74	14301552.17	39°23'00.221"N	80°52'46.844"W	1886.89	300.334	3.16	-1.22	-2.91	
8424.00	90.060	342.020	6486.34	1544.11	1042.78	-1659.50	1674383.81	14301641.95	39°23'01.109"N	80°52'47.236"W	1959.93	302.144	2.18	-0.20	2.17	
8518.00	90.180	342.970	6486.15	1638.03	1132.42	-1687.77	1674355.55	14301731.56	39°23'01.995"N	80°52'47.595"W	2032.48	303.860	1.02	0.13	1.01	
8612.00	90.340	339.400	6485.72	1732.00	1221.38	-1718.09	1674325.25	14301820.48	39°23'02.875"N	80°52'47.979"W	2107.98	305.409	3.80	0.17	-3.80	
8706.00	90.090	334.280	6485.37	1825.81	1307.78	-1755.04	1674288.31	14301906.84	39°23'03.729"N	80°52'48.448"W	2188.71	306.692	5.45	-0.27	-5.45	
8800.00	90.000	336.820	6485.29	1919.49	1393.34	-1793.95	1674249.42	14301992.37	39°23'04.575"N	80°52'48.942"W	2271.49	307.836	2.70	-0.10	2.70	
8895.00	90.120	338.870	6485.19	2014.41	1481.32	-1829.77	1674213.61	14302080.32	39°23'05.445"N	80°52'49.397"W	2354.23	308.993	2.16	0.13	2.16	
8989.00	92.090	343.680	6483.38	2108.34	1570.30	-1859.93	1674183.46	14302169.26	39°23'06.325"N	80°52'49.780"W	2434.17	310.174	5.53	2.10	5.12	
9083.00	91.820	343.750	6480.17	2202.11	1660.48	-1886.28	1674157.13	14302259.40	39°23'07.217"N	80°52'50.114"W	2513.01	311.357	0.30	-0.29	0.07	
9178.00	90.180	338.560	6478.51	2297.04	1750.34	-1916.95	1674126.47	14302349.22	39°23'08.105"N	80°52'50.503"W	2595.84	312.399	5.73	-1.73	-5.46	
9272.00	90.030	335.890	6478.34	2390.91	1837.00	-1953.33	1674090.10	14302435.85	39°23'08.962"N	80°52'50.965"W	2681.43	313.242	2.84	-0.16	-2.84	



Actual Wellpath Report
 Pierson Unit 3H AWP Proj: 16169'
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REFERENCE WELLPATH IDENTIFICATION		Slot	Slot #03
Operator	ANTERO RESOURCES CORPORATION	Well	Pierson Unit 3H
Area	Tyler County, WV	Wellbore	Pierson Unit 3H AWB
Field	Tyler		
Facility	Dawson Pad		

WELLPATH DATA (194 stations)																
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	ft	ft	°	°	ft	ft	ft/100ft	ft/100ft	ft/100ft	
9360.00	90.150	336.110	6478.19	2484.66	1922.87	-1991.57	1674051.88	14302521.69	39°23'09.812"N	80°52'51.450"W	2768.35	313.995	0.27	0.13	0.23	
9460.00	90.310	335.730	6477.82	2578.41	2008.69	-2029.92	1674013.55	14302607.48	39°23'10.660"N	80°52'51.937"W	2855.77	314.699	0.44	0.17	-0.40	
9554.00	90.030	341.170	6477.54	2672.33	2096.09	-2064.43	1673979.04	14302694.84	39°23'11.524"N	80°52'52.375"W	2942.02	315.436	5.79	-0.30	5.79	
9649.00	90.030	341.590	6477.49	2767.31	2186.11	-2094.76	1673948.72	14302784.83	39°23'12.415"N	80°52'52.760"W	3027.73	316.222	0.44	0.00	0.44	
9744.00	90.030	337.960	6477.44	2862.29	2275.24	-2127.60	1673915.90	14302874.92	39°23'13.296"N	80°52'53.177"W	3115.03	316.921	3.82	0.00	-3.82	
9838.00	89.540	338.840	6477.79	2956.24	2362.64	-2162.20	1673881.31	14302961.28	39°23'14.160"N	80°52'53.616"W	3202.68	317.536	1.07	-0.52	0.94	
9933.00	89.510	341.890	6478.58	3051.23	2452.10	-2194.12	1673849.41	14303050.71	39°23'15.045"N	80°52'54.021"W	3290.44	318.178	3.21	-0.03	3.21	
10027.00	89.480	341.770	6479.41	3145.18	2541.41	-2223.43	1673820.11	14303139.98	39°23'16.817"N	80°52'54.784"W	3376.75	318.818	0.13	-0.03	-0.13	
10122.00	89.420	340.410	6480.32	3240.16	2631.28	-2254.22	1673789.33	14303229.81	39°23'18.171"N	80°52'54.939"W	3464.84	319.413	1.43	-0.06	-1.43	
10216.00	89.420	339.640	6481.27	3334.16	2719.62	-2286.33	1673757.24	14303318.12	39°23'19.562"N	80°52'55.191"W	3552.97	319.947	0.82	0.00	-0.82	
10310.00	89.540	339.750	6482.12	3428.15	2807.77	-2318.95	1673724.63	14303406.24	39°23'18.562"N	80°52'55.605"W	3641.58	320.447	0.17	0.13	0.12	
10404.00	89.480	343.410	6482.93	3522.10	2896.94	-2348.64	1673694.95	14303495.37	39°23'19.443"N	80°52'55.982"W	3729.39	320.967	3.89	-0.06	3.89	
10499.00	89.320	345.890	6483.92	3616.80	2988.54	-2373.79	1673666.81	14303586.93	39°23'20.349"N	80°52'56.301"W	3816.57	321.540	2.62	-0.17	2.61	
10593.00	89.630	344.790	6484.78	3710.41	3079.47	-2397.58	1673646.03	14303677.83	39°23'21.248"N	80°52'56.602"W	3902.76	322.097	3.22	0.33	0.33	
10688.00	90.280	343.760	6484.86	3805.16	3170.91	-2423.32	1673620.30	14303769.23	39°23'22.152"N	80°52'56.929"W	3990.89	322.612	1.28	0.68	-1.08	
10782.00	90.520	342.770	6484.20	3899.02	3260.93	-2450.39	1673593.24	14303859.21	39°23'23.042"N	80°52'57.272"W	4078.98	323.077	1.08	0.26	0.26	
10876.00	90.400	337.800	6483.45	3992.99	3349.39	-2482.09	1673561.56	14303947.64	39°23'23.917"N	80°52'57.674"W	4168.83	323.459	5.29	-0.13	-5.29	
10971.00	90.220	334.520	6482.93	4087.74	3436.27	-2520.48	1673523.18	14304034.48	39°23'24.776"N	80°52'58.162"W	4261.54	323.740	3.46	-0.19	-3.45	
11066.00	90.280	334.810	6482.52	4182.31	3522.13	-2561.13	1673482.55	14304120.31	39°23'25.625"N	80°52'58.678"W	4354.86	323.977	0.31	0.06	0.31	
11161.00	90.280	335.790	6482.05	4276.96	3608.44	-2600.83	1673442.87	14304206.58	39°23'26.479"N	80°52'59.182"W	4448.05	324.217	1.03	0.00	1.03	
11255.00	90.340	340.310	6481.54	4370.87	3695.60	-2635.95	1673407.75	14304293.71	39°23'27.341"N	80°52'59.628"W	4539.35	324.501	4.81	0.06	4.81	
11350.00	90.430	342.280	6480.91	4465.85	3785.58	-2666.42	1673377.30	14304383.65	39°23'28.230"N	80°53'00.015"W	4630.37	324.841	2.08	0.09	2.07	
11444.00	90.460	339.570	6480.18	4559.83	3874.40	-2697.13	1673346.60	14304472.44	39°23'29.109"N	80°53'00.404"W	4720.76	325.157	2.88	0.03	-2.88	
11538.00	90.400	340.280	6479.47	4653.82	3962.69	-2729.40	1673314.35	14304560.69	39°23'29.982"N	80°53'00.814"W	4811.71	325.442	0.76	-0.06	0.76	
11633.00	90.250	342.160	6478.93	4748.80	4052.63	-2759.99	1673283.78	14304650.59	39°23'30.871"N	80°53'01.202"W	4903.19	325.744	1.99	-0.16	1.98	
11727.00	90.340	343.450	6478.45	4842.70	4142.42	-2787.77	1673256.00	14304740.35	39°23'31.759"N	80°53'01.554"W	4993.13	326.060	1.38	0.10	1.37	
11821.00	90.280	344.670	6477.94	4936.48	4232.80	-2813.58	1673220.19	14304830.10	39°23'32.652"N	80°53'01.882"W	5082.61	326.388	1.30	-0.06	1.30	
11916.00	90.280	344.050	6477.47	5031.22	4324.29	-2839.39	1673182.54	14304922.74	39°23'33.557"N	80°53'02.206"W	5173.05	326.712	0.65	0.00	-0.65	
12010.00	90.340	342.900	6476.97	5125.06	4414.40	-2865.93	1673177.87	14305012.22	39°23'34.448"N	80°53'02.548"W	5263.12	327.007	1.23	0.06	-1.22	
12105.00	90.280	340.140	6476.45	5220.02	4504.49	-2896.04	1673147.77	14305102.28	39°23'35.339"N	80°53'02.928"W	5355.14	327.262	2.91	-0.06	-2.91	



Actual Wellpath Report
Pierson Unit 3H AWP Proj: 16169'
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DEMECOR



REFERENCE WELLPATH IDENTIFICATION									
Operator	ANTERO RESOURCES CORPORATION								
Area	Tyler County, WV								
Field	Tyler								
Facility	Dawson Pad								
Slot	Slot #03								
Well	Pierson Unit 3H								
Wellbore	Pierson Unit 3H AWB								

WELLPATH DATA (194 stations)																
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	ft	ft	°	°	ft	°	ft/100ft	°/100ft	°/100ft	
12199.00	90.370	338.900	6475.92	5314.01	4592.55	-2928.93	1673114.90	14305190.30	39°23'36.209"N	80°53'03.345"W	5447.03	327.472	1.32	0.10	-1.32	
12294.00	90.220	340.100	6475.43	5409.00	4681.53	-2962.19	1673081.64	14305279.24	39°23'37.089"N	80°53'03.767"W	5539.97	327.677	1.27	-0.16	1.26	
12388.00	90.710	337.890	6474.67	5502.98	4769.27	-2995.89	1673047.96	14305366.95	39°23'37.957"N	80°53'04.195"W	5632.17	327.864	2.41	0.52	-2.35	
12482.00	90.250	337.860	6473.88	5596.90	4856.35	-3031.29	1673012.58	14305453.99	39°23'38.818"N	80°53'04.644"W	5724.75	328.028	2.49	-0.49	-0.03	
12576.00	90.150	338.710	6473.55	5690.88	4943.68	-3066.07	1672977.81	14305541.29	39°23'39.682"N	80°53'05.086"W	5817.27	328.193	2.01	-0.11	0.90	
12670.00	91.080	334.870	6472.54	5784.66	5030.05	-3103.10	1672940.79	14305627.62	39°23'40.586"N	80°53'05.556"W	5910.21	328.329	4.20	0.99	-4.09	
12765.00	90.280	339.880	6471.41	5879.51	5117.70	-3139.63	1672904.27	14305715.24	39°23'41.402"N	80°53'06.020"W	6004.01	328.472	5.34	-0.94	5.27	
12859.00	90.340	342.960	6470.90	5973.47	5206.79	-3169.58	1672874.34	14305804.29	39°23'42.283"N	80°53'06.400"W	6095.64	328.669	3.28	0.06	3.28	
12953.00	90.370	340.140	6470.32	6067.43	5295.95	-3199.33	1672844.61	14305893.42	39°23'43.165"N	80°53'06.778"W	6187.30	328.863	3.00	0.03	-3.00	
13047.00	90.280	340.020	6469.79	6161.43	5384.32	-3231.35	1672812.59	14305981.75	39°23'44.039"N	80°53'07.184"W	6279.53	329.030	0.16	-0.10	-0.13	
13142.00	90.310	337.780	6469.30	6256.40	5472.94	-3265.55	1672784.41	14306070.34	39°23'44.915"N	80°53'07.618"W	6373.14	329.177	2.36	0.03	-2.36	
13236.00	90.250	338.010	6468.84	6350.33	5560.03	-3300.92	1672743.05	14306157.40	39°23'45.776"N	80°53'08.068"W	6466.07	329.303	0.25	-0.06	0.24	
13330.00	90.370	339.560	6468.33	6444.30	5647.66	-3334.93	1672709.05	14306244.99	39°23'46.643"N	80°53'08.499"W	6558.80	329.438	1.65	0.13	1.65	
13425.00	90.220	340.840	6467.84	6538.29	5737.04	-3367.11	1672676.89	14306334.33	39°23'47.527"N	80°53'08.908"W	6652.15	329.591	1.36	-0.16	1.35	
13519.00	90.250	342.670	6467.46	6633.25	5826.31	-3396.54	1672647.47	14306423.57	39°23'48.409"N	80°53'09.281"W	6744.06	329.759	1.95	0.03	1.95	
13613.00	90.340	341.280	6466.97	6727.20	5915.69	-3425.63	1672618.39	14306512.91	39°23'49.293"N	80°53'09.650"W	6835.96	329.926	1.48	0.10	-1.48	
13708.00	90.180	337.550	6466.54	6822.18	6004.61	-3459.02	1672585.01	14306601.80	39°23'50.172"N	80°53'10.074"W	6929.66	330.055	3.93	-0.17	-3.93	
13803.00	90.180	338.580	6466.24	6917.11	6092.73	-3494.51	1672549.54	14306689.88	39°23'51.044"N	80°53'10.525"W	7023.74	330.163	1.08	0.00	1.08	
13897.00	90.250	339.520	6465.89	7011.09	6180.52	-3528.12	1672515.94	14306777.63	39°23'51.912"N	80°53'10.952"W	7116.63	330.280	1.00	0.07	1.00	
13992.00	90.310	337.010	6465.43	7106.03	6268.75	-3563.30	1672480.78	14306865.83	39°23'52.784"N	80°53'11.398"W	7210.71	330.385	2.64	0.06	-2.64	
14086.00	90.150	336.420	6465.05	7199.86	6355.10	-3600.45	1672443.64	14306952.14	39°23'53.638"N	80°53'11.870"W	7304.14	330.466	0.65	-0.17	-0.63	
14181.00	90.030	340.130	6464.90	7294.79	6443.33	-3635.61	1672408.49	14307040.34	39°23'54.511"N	80°53'12.317"W	7398.26	330.566	3.91	-0.13	3.91	
14275.00	90.370	342.390	6464.57	7388.77	6532.34	-3665.81	1672378.31	14307129.32	39°23'55.391"N	80°53'12.700"W	7490.64	330.700	2.43	0.36	2.40	
14369.00	90.490	343.850	6463.87	7482.64	6622.29	-3693.10	1672351.03	14307219.23	39°23'56.280"N	80°53'13.046"W	7582.46	330.853	1.56	0.13	1.55	
14464.00	90.310	342.760	6463.20	7577.49	6713.28	-3720.39	1672323.75	14307310.18	39°23'57.180"N	80°53'13.392"W	7675.25	331.005	1.16	-0.19	-1.15	
14558.00	90.280	340.830	6462.72	7671.45	6802.57	-3749.76	1672294.39	14307399.44	39°23'58.063"N	80°53'13.765"W	7767.60	331.135	2.05	-0.03	-2.05	
14653.00	90.370	339.790	6462.18	7766.44	6892.01	-3781.77	1672262.40	14307488.84	39°23'58.947"N	80°53'14.171"W	7861.40	331.246	1.10	0.09	-1.09	
14747.00	90.280	340.030	6461.65	7860.44	6980.29	-3814.05	1672230.12	14307577.09	39°23'59.820"N	80°53'14.581"W	7954.34	331.348	0.27	-0.10	0.26	
14841.00	90.370	340.100	6461.11	7954.44	7068.66	-3846.10	1672198.09	14307665.42	39°24'00.694"N	80°53'14.988"W	8047.26	331.449	0.12	0.10	0.07	
14935.00	90.460	340.260	6460.43	8048.44	7157.09	-3877.97	1672166.23	14307753.81	39°24'01.568"N	80°53'15.393"W	8140.18	331.550	0.20	0.10	0.17	



Actual Wellpath Report

Pierson Unit 3H AWP Proj: 16169'

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REFERENCE WELLPATH IDENTIFICATION				Slot	Slot #03
Operator	ANTERO RESOURCES CORPORATION			Well	Pierson Unit 3H
Area	Tyler County, WV			Wellbore	Pierson Unit 3H AWB
Field	Tyler				
Facility	Dawson Pad				

WELLPATH DATA (194 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sectl [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
15030.00	90.520	340.380	6459.62	18143.43	7246.53	-3909.97	1672134.25	14307843.22	39°24'02.452"N	80°53'15.799"W	8234.08	331.650	0.14	0.06	0.13	
15125.00	90.430	340.560	6458.83	8238.43	7336.07	-3941.72	1672102.51	14307932.72	39°24'03.338"N	80°53'16.202"W	8327.97	331.751	0.21	-0.09	0.19	
15220.00	90.490	340.510	6458.07	8333.42	7425.63	-3973.38	1672070.86	14308022.25	39°24'04.223"N	80°53'16.604"W	8421.86	331.849	0.08	0.06	-0.05	
15315.00	90.370	341.730	6457.36	8428.40	7515.52	-4004.12	1672040.13	14308112.10	39°24'05.112"N	80°53'16.994"W	8515.63	331.952	1.29	-0.13	1.28	
15410.00	90.490	340.800	6456.64	8523.39	7605.43	-4034.79	1672009.48	14308201.97	39°24'06.001"N	80°53'17.383"W	8609.42	332.053	1.20	-0.13	-1.19	
15505.00	90.460	336.920	6455.86	8618.34	7693.96	-4069.20	1671975.08	14308290.46	39°24'06.877"N	80°53'17.820"W	8703.75	332.126	3.87	-0.03	-3.87	
15600.00	90.400	335.490	6455.14	8713.11	7780.88	-4107.52	1671936.77	14308377.35	39°24'07.736"N	80°53'18.307"W	8798.51	332.170	1.51	-0.06	-1.51	
15694.00	90.370	335.730	6454.51	8806.81	7866.48	-4146.34	1671897.97	14308462.92	39°24'08.583"N	80°53'18.800"W	8892.34	332.207	0.26	-0.03	0.26	
15788.00	90.400	337.820	6453.88	8900.64	7952.86	-4183.41	1671860.92	14308549.26	39°24'09.437"N	80°53'19.271"W	8986.04	332.254	2.22	0.03	2.22	
15883.00	90.370	336.900	6453.24	8995.52	8040.54	-4219.97	1671824.37	14308636.91	39°24'10.304"N	80°53'19.735"W	9080.66	332.308	0.97	-0.03	-0.97	
15977.00	90.430	340.130	6452.58	9089.47	8127.99	-4254.40	1671789.96	14308724.33	39°24'11.169"N	80°53'20.172"W	9174.10	332.371	3.44	0.06	3.44	
16071.00	90.460	340.830	6451.85	9183.46	8216.59	-4285.80	1671758.56	14308812.88	39°24'12.045"N	80°53'20.571"W	9267.17	332.453	0.75	0.03	0.74	
16166.00	90.430	341.240	6451.27	9258.45	8287.51	-4310.18	1671734.20	14308883.78	39°24'12.746"N	80°53'20.881"W	9341.33	332.522	0.55	-0.04	0.55	
16169.00	90.430	341.240	6451.10	9281.45	8309.29	-4317.57	1671726.81	14308905.55	39°24'12.961"N	80°53'20.974"W	9364.07	332.543	0.00	0.00	0.00	Projected MD @ TD: 16169MD/6451.10'TVD

HOLE & CASING SECTIONS - Ref Wellbore: Pierson Unit 3H AWB Ref Wellpath: Pierson Unit 3H AWP Proj: 16169'															
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S	Start E/W	End N/S	End E/W						
20in Conductor	25.00	105.00	80.00	25.00	105.00	0.00	0.00	-0.23	-0.40						
17.5in Open Hole	105.00	582.50	477.50	105.00	582.49	-0.23	-0.40	-1.60	-1.89						
13.375in Casing Surface	25.00	582.50	557.50	25.00	582.49	0.00	0.00	-1.60	-1.89						
12.25in Open Hole	582.50	2576.20	1993.70	582.49	2540.45	-1.60	-1.89	-221.14	-220.96						
9.625in Casing Intermediate	25.00	2576.20	2551.20	25.00	2540.45	0.00	0.00	-221.14	-220.96						



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 Pierson Unit 3H AWP Proj: 16169'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Pierson Unit 3H
Field	Tyler	Wellbore	Pierson Unit 3H AWB
Facility	Dawson Pad		

TARGETS								
Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
Pierson Unit 3H POE - Rev-2	6467.00	-350.89	-1166.25	1674876.87	14300248.84	39°22'47.328"N	80°52'40.978"W	point
Pierson Unit 3H BHL - Rev-2	6492.00	8327.40	-4298.40	1671745.97	14308923.66	39°24'13.140"N	80°53'20.730"W	point
Pierson Unit 3H LP - Rev-1	6492.00	-174.45	-1229.93	1674813.22	14300425.21	39°22'49.072"N	80°52'41.786"W	point

WELLPATH COMPOSITION - Ref Wellbore: Pierson Unit 3H AWB				Ref Wellpath: Pierson Unit 3H AWP Proj: 16169'			
Start MID (ft)	End MID (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore			
25.00	548.00	Gyrodatta standard - Drop gyro or Multi-shot	01 Gyrodatta MS Gyro <17-1/2">(100°-548)	Pierson Unit 3H AWB			
548.00	866.00	Gyrodatta standard - Drop gyro or Multi-shot	02 Gyrodatta MS Gyro <12-1/4">(548)(625-866)	Pierson Unit 3H AWB			
866.00	2522.00	ISCWASA MWD, Rev 4 (Standard)	03 Directional ONE MWD <12-1/4">(866)(927-2522)	Pierson Unit 3H AWB			
2522.00	5962.00	ISCWASA MWD, Rev 4 (Standard)	04 Directional ONE MWD <8-3/4">(2522)(2656-5962)	Pierson Unit 3H AWB			
5962.00	16146.00	BH AutoTrak Curve (Short)	05 BH AT Curve <8-1/2">(5962)(6018-16146)	Pierson Unit 3H AWB			
16146.00	16169.00	Blind Drilling (std)	Projection to bit	Pierson Unit 3H AWB			



Actual Wellpath Report
 Pierson Unit 3H AWP Proj: 16169'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Slot	Slot #03
Area	Tyler County, WV	Well	Pierson Unit 3H
Field	Tyler	Wellbore	Pierson Unit 3H AWB
Facility	Dawson Pad		

COMMENTS
<p>Wellpath general comments API: 47-095-02415-0000 BH Job #: 8923760 Rig: Patterson 342 Duration: 12/20/17 - 12/23/17 Gyrodatta MS Gyro <17-1/2">(100'-548') Gyrodatta MS Gyro <12-1/4">(548')(625'-866) Directional ONE MWD <12-1/4">(866')(927'-2522') Directional ONE MWD <8-3/4">(2522')(2656'-5962') BH AT Curve <8-1/2">(5962')(6018'-16146') Sycamore @ 6295MD Middlesex @ 6501MD Burket @ 6714MD Tully @ 6435MD POE Marcellus @ 6940MD Projected MD @ TD: 16169MD/6451.10TYD</p>