



ANTERO RESOURCES CORPORATION

Location: Doddridge Co., WV
Field: Doddridge
Facility: Genevieve Pad

Slot: Slot F
Well: Holtz Unit 2H
Wellbore: Holtz Unit 2H PWB

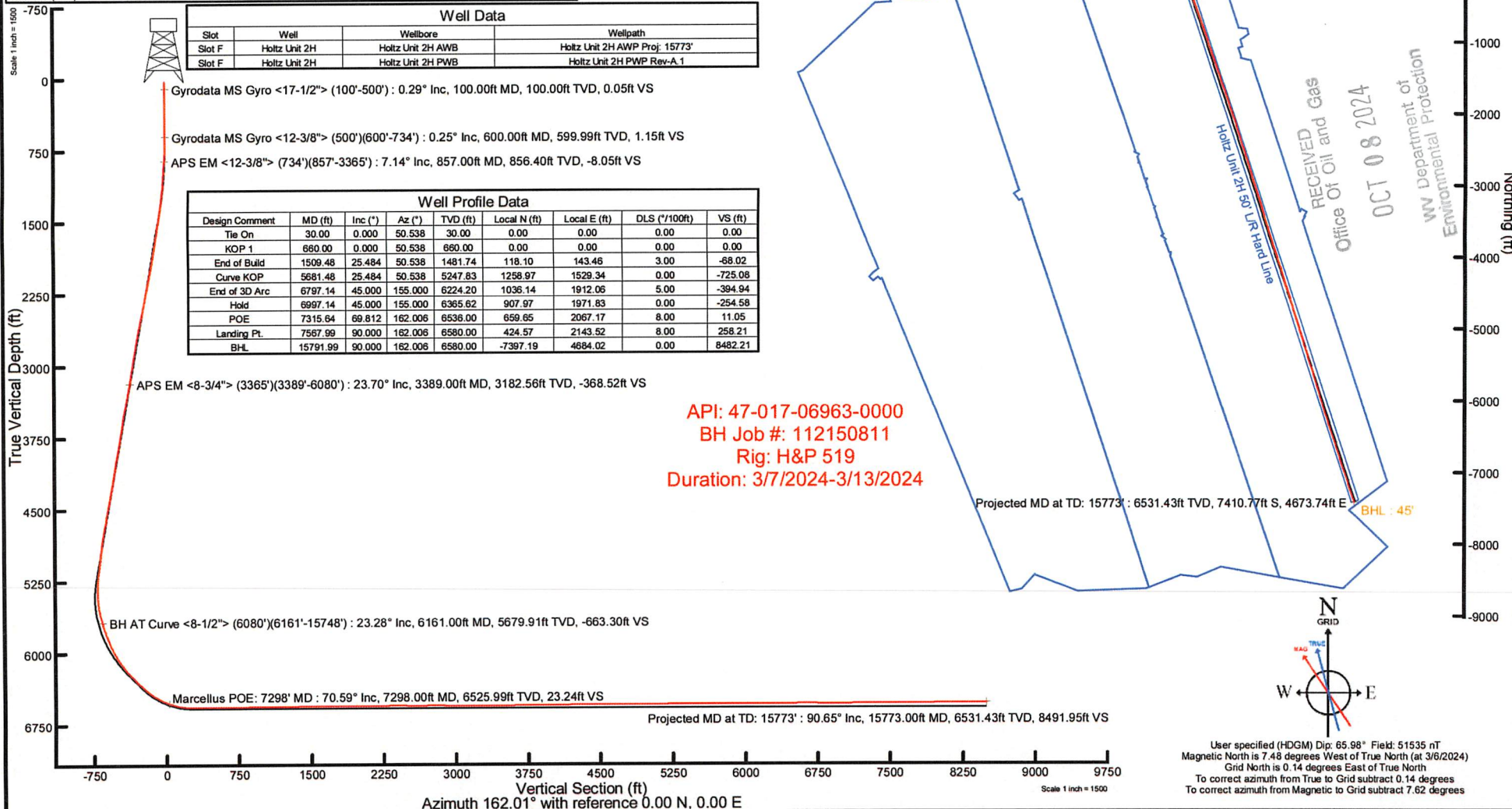


Plot reference wellpath is Holtz Unit 2H PWP Rev-A.1	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 916 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot F) : -889 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edasanyar on 2024-04-12; Database: WA_MPL_EASTERNUS_Death

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Genevieve Pad	1702116.720	14272528.020	39°18'12.7297"N	80°46'54.7978"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot F	-36.95	25.69	1702142.400	14272491.080
Slot F			39°18'12.3639"N	80°46'54.4720"W
Comment	Holtz Unit 2H			
H&P 519 (RKB) to Ground level (At Slot: Slot F)	30ft			
Mean Sea Level to Ground level (At Slot: Slot F)	-889ft			
H&P 519 (RKB) to Mean Sea Level	916ft			

Well Data			
Slot	Well	Wellbore	Wellpath
Slot F	Holtz Unit 2H	Holtz Unit 2H AWB	Holtz Unit 2H AWP Proj: 15773*
Slot F	Holtz Unit 2H	Holtz Unit 2H PWB	Holtz Unit 2H PWP Rev-A.1

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	30.00	0.000	50.538	30.00	0.00	0.00	0.00	0.00
KOP 1	660.00	0.000	50.538	660.00	0.00	0.00	0.00	0.00
End of Build	1509.48	25.484	50.538	1481.74	118.10	143.46	3.00	-68.02
Curve KOP	5681.48	25.484	50.538	5247.63	1258.97	1529.34	0.00	-725.08
End of 3D Arc	6797.14	45.000	155.000	6224.20	1036.14	1912.06	5.00	-394.94
Hold	6997.14	45.000	155.000	6365.62	907.97	1971.83	0.00	-254.58
POE	7315.64	69.812	162.006	6536.00	659.65	2067.17	8.00	11.05
Landing Pt.	7567.99	90.000	162.006	6580.00	424.57	2143.52	8.00	258.21
BHL	15791.99	90.000	162.006	6580.00	-7397.19	4684.02	0.00	8482.21





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Holtz Unit 2H AWP Proj: 15773'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999604	Report Generated	4/12/2024 at 3:14:16 PM
Convergence at slot	0.14° East	Database	WA_MPL_EASTERNU_S_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-36.95	25.69	1702142.40	14272491.08	39°18'12.3639"N	80°46'54.4720"W
Facility Reference Pt			1702116.72	14272528.02	39°18'12.7297"N	80°46'54.7976"W
Field Reference Pt			0.00	0.00	0°00'0.0000"	85°29'19.3013"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 519 (RKB) to Facility Vertical Datum	916.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	916.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot F)	30.00ft
MD Reference Pt	H&P 519 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	162.01°

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Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

WELLPATH DATA (176 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
0.00†	0.000	86.840	0.00	0.00	0.00	0.00	1702142.40	14272491.08	39°18'12.3639"N	80°46'54.4720"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	86.840	30.00	0.00	0.00	0.00	1702142.40	14272491.08	39°18'12.3639"N	80°46'54.4720"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.290	86.840	100.00	0.05	0.01	0.18	1702142.58	14272491.09	39°18'12.3640"N	80°46'54.4697"W	0.18	86.840	0.41	0.41	0.00	Gyrodata MS Gyro <17-1/2"> (100'-500')
200.00	0.300	101.690	200.00	0.24	-0.03	0.69	1702143.09	14272491.05	39°18'12.3636"N	80°46'54.4632"W	0.69	92.448	0.08	0.01	14.85	
300.00	0.330	104.040	300.00	0.52	-0.15	1.22	1702143.62	14272490.93	39°18'12.3623"N	80°46'54.4564"W	1.23	97.103	0.03	0.03	2.35	
400.00	0.270	111.170	400.00	0.82	-0.31	1.72	1702144.12	14272490.77	39°18'12.3608"N	80°46'54.4501"W	1.75	100.122	0.07	-0.06	7.13	
500.00	0.170	113.050	499.99	1.07	-0.45	2.08	1702144.48	14272490.63	39°18'12.3594"N	80°46'54.4456"W	2.13	102.234	0.10	-0.10	1.88	
600.00	0.250	67.950	599.99	1.15	-0.43	2.42	1702144.81	14272490.65	39°18'12.3596"N	80°46'54.4413"W	2.45	100.014	0.18	0.08	-45.10	Gyrodata MS Gyro <12-3/8"> (500')(600'-734')
700.00	2.260	32.430	699.97	-0.12	1.32	3.68	1702146.07	14272492.40	39°18'12.3768"N	80°46'54.4252"W	3.91	70.248	2.06	2.01	-35.52	
734.00	3.260	32.250	733.93	-1.17	2.70	4.55	1702146.95	14272493.78	39°18'12.3905"N	80°46'54.4140"W	5.29	59.289	2.94	2.94	-0.53	
857.00	7.140	34.630	856.40	-8.05	11.95	10.76	1702153.16	14272503.03	39°18'12.4818"N	80°46'54.3347"W	16.09	41.999	3.16	3.15	1.93	APS EM <12-3/8"> (734')(857'-3365')
947.00	9.390	47.120	945.46	-14.53	21.55	19.32	1702161.72	14272512.63	39°18'12.5764"N	80°46'54.2255"W	28.95	41.876	3.18	2.50	13.88	
1037.00	11.530	55.400	1033.97	-20.19	31.66	32.11	1702174.50	14272522.73	39°18'12.6760"N	80°46'54.0625"W	45.09	45.404	2.90	2.38	9.20	
1131.00	14.400	53.320	1125.56	-26.63	43.98	49.22	1702191.60	14272535.04	39°18'12.7974"N	80°46'53.8445"W	66.01	48.219	3.09	3.05	-2.21	
1226.00	17.310	52.960	1216.94	-35.03	59.55	69.98	1702212.35	14272550.61	39°18'12.9508"N	80°46'53.5799"W	91.89	49.602	3.06	3.06	-0.38	
1320.00	20.040	55.660	1305.98	-44.13	77.07	94.45	1702236.81	14272568.11	39°18'13.1233"N	80°46'53.2682"W	121.90	50.787	3.05	2.90	2.87	
1414.00	22.910	56.120	1393.45	-53.67	96.35	122.94	1702265.29	14272587.40	39°18'13.3133"N	80°46'52.9051"W	156.20	51.913	3.06	3.05	0.49	
1508.00	25.300	53.650	1479.25	-65.01	118.46	154.31	1702296.65	14272609.50	39°18'13.5310"N	80°46'52.5053"W	194.54	52.487	2.76	2.54	-2.63	
1603.00	25.430	52.370	1565.09	-78.26	142.95	186.82	1702329.14	14272633.97	39°18'13.7723"N	80°46'52.0911"W	235.23	52.578	0.59	0.14	-1.35	
1697.00	25.390	51.690	1650.00	-92.04	167.76	218.61	1702360.93	14272658.78	39°18'14.0168"N	80°46'51.6858"W	275.57	52.497	0.31	-0.04	-0.72	
1791.00	25.410	51.410	1734.91	-106.14	192.84	250.19	1702392.49	14272683.84	39°18'14.2638"N	80°46'51.2834"W	315.88	52.377	0.13	0.02	-0.30	
1885.00	25.400	50.700	1819.82	-120.56	218.18	281.55	1702423.84	14272709.18	39°18'14.5136"N	80°46'50.8836"W	356.20	52.227	0.32	-0.01	-0.76	
1979.00	25.910	50.530	1904.55	-135.41	244.01	313.01	1702455.28	14272734.99	39°18'14.7681"N	80°46'50.4827"W	396.88	52.062	0.55	0.54	-0.18	
2073.00	26.350	49.440	1988.95	-150.93	270.63	344.71	1702486.97	14272761.60	39°18'15.0304"N	80°46'50.0786"W	438.25	51.865	0.69	0.47	-1.16	
2168.00	25.590	48.450	2074.35	-167.23	297.95	376.08	1702518.33	14272788.91	39°18'15.2997"N	80°46'49.6786"W	479.80	51.613	0.92	-0.80	-1.04	
2262.00	25.710	48.950	2159.09	-183.33	324.80	406.65	1702548.89	14272815.75	39°18'15.5644"N	80°46'49.2889"W	520.44	51.385	0.26	0.13	0.53	
2357.00	26.910	50.140	2244.25	-199.41	352.11	438.70	1702580.92	14272843.05	39°18'15.8335"N	80°46'48.8805"W	562.53	51.248	1.38	1.26	1.25	
2451.00	26.620	49.670	2328.18	-215.33	379.38	471.08	1702613.29	14272870.30	39°18'16.1022"N	80°46'48.4677"W	604.85	51.154	0.38	-0.31	-0.50	
2545.00	25.930	47.870	2412.46	-231.74	406.79	502.37	1702644.58	14272897.71	39°18'16.3724"N	80°46'48.0687"W	646.42	51.002	1.12	-0.73	-1.91	
2640.00	25.030	46.370	2498.22	-248.94	434.59	532.33	1702674.51	14272925.50	39°18'16.6465"N	80°46'47.6868"W	687.20	50.772	1.17	-0.95	-1.58	

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Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

WELLPATH DATA (176 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
2734.00	23.980	44.510	2583.76	-266.36	461.94	560.11	1702702.29	14272952.83	39°18'16.9161"N	80°46'47.3325"W	726.02	50.487	1.39	-1.12	-1.98	
2828.00	23.220	46.370	2669.90	-283.20	488.35	586.92	1702729.08	14272979.23	39°18'17.1764"N	80°46'46.9907"W	763.51	50.238	1.13	-0.81	-1.98	
2923.00	22.830	47.750	2757.33	-298.88	513.66	614.11	1702756.27	14273004.53	39°18'17.4260"N	80°46'46.6439"W	800.61	50.090	0.70	-0.41	-1.45	
3017.00	23.120	48.250	2843.87	-313.81	538.21	641.38	1702783.53	14273029.08	39°18'17.6680"N	80°46'46.2963"W	837.28	49.999	0.37	0.31	0.53	
3112.00	25.220	51.680	2930.54	-328.35	563.18	671.18	1702813.31	14273054.04	39°18'17.9141"N	80°46'45.9165"W	876.16	50.000	2.66	2.21	3.61	
3206.00	25.220	52.630	3015.58	-341.96	587.76	702.81	1702844.93	14273078.60	39°18'18.1562"N	80°46'45.5134"W	916.18	50.094	0.43	0.00	1.01	
3301.00	24.050	51.260	3101.94	-355.53	612.15	733.99	1702876.10	14273102.99	39°18'18.3966"N	80°46'45.1159"W	955.76	50.172	1.37	-1.23	-1.44	
3365.00	23.280	50.010	3160.55	-364.89	628.44	753.85	1702895.95	14273119.27	39°18'18.5571"N	80°46'44.8627"W	981.45	50.184	1.44	-1.20	-1.95	
3389.00	23.700	49.480	3182.56	-368.52	634.63	761.15	1702903.25	14273125.45	39°18'18.6180"N	80°46'44.7696"W	991.01	50.180	1.96	1.75	-2.21	APS EM <8-3/4"> (3365')(3389'-6080')
3483.00	25.000	49.330	3268.20	-383.41	659.85	790.58	1702932.67	14273150.66	39°18'18.8666"N	80°46'44.3945"W	1029.77	50.151	1.38	1.38	-0.16	
3577.00	27.250	49.300	3352.59	-399.38	686.83	821.97	1702964.04	14273177.63	39°18'19.1325"N	80°46'43.9944"W	1071.15	50.118	2.39	2.39	-0.03	
3671.00	27.460	48.370	3436.08	-416.38	715.26	854.48	1702996.54	14273206.05	39°18'19.4127"N	80°46'43.5799"W	1114.33	50.068	0.51	0.22	-0.99	
3766.00	28.180	51.800	3520.11	-432.92	743.68	888.48	1703030.53	14273234.47	39°18'19.6928"N	80°46'43.1464"W	1158.65	50.070	1.85	0.76	3.61	
3860.00	28.530	57.450	3602.84	-446.23	769.49	924.86	1703066.89	14273260.27	39°18'19.9470"N	80°46'42.6830"W	1203.11	50.239	2.88	0.37	6.01	
3958.00	28.520	56.180	3688.95	-458.49	795.11	964.02	1703106.04	14273285.87	39°18'20.1993"N	80°46'42.1839"W	1249.61	50.485	0.62	-0.01	-1.30	
4052.00	28.410	53.880	3771.59	-471.57	820.78	1000.73	1703142.73	14273311.53	39°18'20.4521"N	80°46'41.7162"W	1294.27	50.642	1.17	-0.12	-2.45	
4146.00	27.840	52.670	3854.49	-485.80	847.27	1036.25	1703178.23	14273338.01	39°18'20.7131"N	80°46'41.2635"W	1338.53	50.729	0.86	-0.61	-1.29	
4240.00	27.030	49.690	3937.92	-501.18	874.40	1069.99	1703211.96	14273365.13	39°18'20.9804"N	80°46'40.8334"W	1381.83	50.744	1.70	-0.86	-3.17	
4334.00	27.160	52.790	4021.61	-516.36	901.19	1103.36	1703245.33	14273391.92	39°18'21.2444"N	80°46'40.4080"W	1424.63	50.759	1.51	0.14	3.30	
4429.00	28.000	55.430	4105.81	-529.86	926.96	1139.00	1703280.94	14273417.67	39°18'21.4982"N	80°46'39.9539"W	1468.53	50.860	1.56	0.88	2.78	
4523.00	26.890	52.300	4189.24	-543.33	952.48	1173.99	1703315.92	14273443.18	39°18'21.7496"N	80°46'39.5079"W	1511.78	50.947	1.94	-1.18	-3.33	
4617.00	25.260	49.200	4273.67	-558.27	978.59	1205.99	1703347.91	14273469.28	39°18'22.0069"N	80°46'39.1000"W	1553.08	50.943	2.26	-1.73	-3.30	
4711.00	23.970	47.100	4359.13	-574.09	1004.69	1235.17	1703377.07	14273495.37	39°18'22.2642"N	80°46'38.7280"W	1592.18	50.875	1.66	-1.37	-2.23	
4805.00	24.700	48.940	4444.78	-589.83	1030.59	1263.96	1703405.86	14273521.26	39°18'22.5195"N	80°46'38.3609"W	1630.87	50.807	1.12	0.78	1.96	
4899.00	26.380	52.190	4529.59	-604.61	1056.30	1295.27	1703437.16	14273546.96	39°18'22.7728"N	80°46'37.9618"W	1671.38	50.803	2.33	1.79	3.46	
4994.00	24.750	48.470	4615.30	-619.71	1082.43	1326.84	1703468.71	14273573.08	39°18'23.0302"N	80°46'37.5594"W	1712.35	50.793	2.41	-1.72	-3.92	
5088.00	23.250	45.340	4701.17	-635.90	1108.52	1354.77	1703496.63	14273599.15	39°18'23.2874"N	80°46'37.2033"W	1750.49	50.709	2.09	-1.60	-3.33	
5182.00	23.340	49.290	4787.51	-651.42	1133.70	1382.08	1703523.93	14273624.33	39°18'23.5357"N	80°46'36.8550"W	1787.58	50.638	1.66	0.10	4.20	
5276.00	26.360	58.910	4872.83	-663.35	1156.64	1414.09	1703555.93	14273647.26	39°18'23.7616"N	80°46'36.4471"W	1826.87	50.719	5.36	3.21	10.23	
5370.00	26.830	59.150	4956.89	-672.80	1178.29	1450.17	1703591.99	14273668.90	39°18'23.9747"N	80°46'35.9874"W	1868.52	50.905	0.51	0.50	0.26	

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Field	Doddridge		API	47-017-06963-0000
Facility	Genevieve Pad		Wellbore	Holtz Unit 2H AWB
Slot	Slot F			

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5464.00	25.690	56.610	5041.19	-682.93	1200.38	1485.40	1703627.21	14273690.99	39°18'24.1922"N	80°46'35.5386"W	1909.80	51.057	1.70	-1.21	-2.70	
5558.00	24.960	53.890	5126.16	-694.51	1223.29	1518.43	1703660.23	14273713.88	39°18'24.4178"N	80°46'35.1176"W	1949.89	51.144	1.46	-0.78	-2.89	
5655.00	23.550	58.380	5214.60	-705.44	1245.51	1551.47	1703693.26	14273736.10	39°18'24.6366"N	80°46'34.6966"W	1989.57	51.243	2.39	-1.45	4.63	
5749.00	22.420	68.330	5301.17	-711.02	1261.98	1584.14	1703725.91	14273752.56	39°18'24.7986"N	80°46'34.2805"W	2025.36	51.458	4.30	-1.20	10.59	
5843.00	22.230	78.290	5388.15	-710.23	1272.21	1618.22	1703759.98	14273762.79	39°18'24.8989"N	80°46'33.8466"W	2058.44	51.826	4.03	-0.20	10.60	
5938.00	22.570	86.210	5476.01	-703.79	1277.07	1654.02	1703795.76	14273767.64	39°18'24.9460"N	80°46'33.3911"W	2089.66	52.328	3.19	0.36	8.34	
6032.00	24.470	95.190	5562.22	-691.70	1276.50	1691.42	1703833.15	14273767.07	39°18'24.9395"N	80°46'32.9153"W	2119.04	52.958	4.31	2.02	9.55	
6080.00	24.730	102.580	5605.87	-682.67	1273.41	1711.12	1703852.84	14273763.99	39°18'24.9085"N	80°46'32.6647"W	2132.96	53.343	6.43	0.54	15.40	
6161.00	23.280	114.190	5679.91	-663.30	1263.16	1742.28	1703883.99	14273753.73	39°18'24.8064"N	80°46'32.2687"W	2152.00	54.058	6.09	-1.79	14.33	BH AT Curve <8-1/2"> (6080')(6161'-15748')
6256.00	22.150	129.080	5767.61	-635.64	1244.16	1773.33	1703915.03	14273734.74	39°18'24.6178"N	80°46'31.8742"W	2166.25	54.947	6.15	-1.19	15.67	
6350.00	22.560	137.690	5854.57	-604.32	1219.65	1799.23	1703940.92	14273710.24	39°18'24.3749"N	80°46'31.5455"W	2173.66	55.868	3.51	0.44	9.16	
6444.00	26.390	142.140	5940.12	-568.23	1189.80	1824.21	1703965.88	14273680.41	39°18'24.0794"N	80°46'31.2288"W	2177.93	56.886	4.52	4.07	4.73	
6538.00	30.750	147.410	6022.66	-525.30	1153.04	1849.99	1703991.65	14273643.66	39°18'23.7154"N	80°46'30.9019"W	2179.90	58.066	5.35	4.64	5.61	
6633.00	35.010	151.060	6102.43	-475.01	1108.70	1876.27	1704017.92	14273599.34	39°18'23.2765"N	80°46'30.5690"W	2179.36	59.421	4.94	4.48	3.84	
6727.00	39.430	154.260	6177.28	-418.93	1058.19	1902.30	1704043.94	14273548.85	39°18'22.7766"N	80°46'30.2395"W	2176.81	60.914	5.13	4.70	3.40	
6747.00†	40.573	154.290	6192.60	-406.19	1046.61	1907.88	1704049.52	14273537.27	39°18'22.6620"N	80°46'30.1689"W	2176.09	61.252	5.72	5.72	0.15	Sycamore: 6747' MD
6822.00	44.860	154.390	6247.69	-355.78	1000.76	1929.90	1704071.53	14273491.44	39°18'22.2083"N	80°46'29.8901"W	2173.94	62.591	5.72	5.72	0.13	
6916.00	44.980	156.720	6314.25	-289.83	940.34	1957.36	1704098.99	14273431.04	39°18'21.6104"N	80°46'29.5427"W	2171.52	64.340	1.75	0.13	2.48	
6926.00†	45.284	156.949	6321.31	-282.77	933.82	1960.15	1704101.77	14273424.53	39°18'21.5460"N	80°46'29.5074"W	2171.23	64.527	3.45	3.04	2.29	Middlesex: 6926' MD
7011.00	47.890	158.800	6379.72	-221.20	876.62	1983.38	1704125.00	14273367.36	39°18'20.9801"N	80°46'29.2137"W	2168.48	66.155	3.45	3.07	2.18	
7105.00	55.000	158.290	6438.27	-147.87	808.26	2010.27	1704151.87	14273299.02	39°18'20.3037"N	80°46'28.8738"W	2166.67	68.097	7.58	7.56	-0.54	
7126.00†	56.729	158.851	6450.06	-130.52	792.08	2016.62	1704158.22	14273282.84	39°18'20.1437"N	80°46'28.7936"W	2166.60	68.556	8.53	8.23	2.67	Burkett: 7126' MD
7182.00†	61.351	160.248	6478.86	-82.56	747.09	2033.38	1704174.97	14273237.88	39°18'19.6986"N	80°46'28.5818"W	2166.28	69.826	8.53	8.25	2.49	Tully: 7182' MD
7200.00	62.840	160.670	6487.28	-66.66	732.10	2038.70	1704180.29	14273222.89	39°18'19.5503"N	80°46'28.5146"W	2166.16	70.247	8.53	8.27	2.35	
7294.00	70.280	159.560	6524.65	19.48	651.07	2068.03	1704209.61	14273141.89	39°18'18.7487"N	80°46'28.1440"W	2168.10	72.525	7.99	7.91	-1.18	
7298.00†	70.589	159.702	6525.99	23.24	647.54	2069.35	1704210.92	14273138.36	39°18'18.7137"N	80°46'28.1274"W	2168.29	72.624	8.41	7.72	3.56	Marcellus POE: 7298' MD
7388.00	77.560	162.780	6550.67	109.71	565.64	2097.12	1704238.68	14273056.49	39°18'17.9036"N	80°46'27.7767"W	2172.06	74.905	8.41	7.75	3.42	
7483.00	85.010	162.760	6565.06	203.54	476.01	2124.91	1704266.47	14272966.90	39°18'17.0171"N	80°46'27.4259"W	2177.58	77.373	7.84	7.84	-0.02	
7577.00	90.340	161.550	6568.87	297.43	386.64	2153.69	1704295.23	14272877.57	39°18'16.1330"N	80°46'27.0628"W	2188.12	79.822	5.81	5.67	-1.29	
7671.00	90.680	161.060	6568.03	391.42	297.60	2183.82	1704325.35	14272788.57	39°18'15.2523"N	80°46'26.6823"W	2204.00	82.240	0.63	0.36	-0.52	

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Holtz Unit 2H AWP Proj: 15773'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

WELLPATH DATA (176 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
7765.00	90.280	160.630	6567.24	485.40	208.81	2214.66	1704356.18	14272699.81	39°18'14.3739"N	80°46'26.2928"W	2224.48	84.614	0.62	-0.43	-0.46	
7859.00	90.220	160.410	6566.83	579.36	120.19	2246.00	1704387.51	14272611.23	39°18'13.4973"N	80°46'25.8968"W	2249.22	86.937	0.24	-0.06	-0.23	
7953.00	90.950	160.340	6565.88	673.32	31.66	2277.57	1704419.07	14272522.73	39°18'12.6215"N	80°46'25.4981"W	2277.79	89.204	0.78	0.78	-0.07	
8048.00	90.370	160.940	6564.78	768.29	-57.96	2309.06	1704450.55	14272433.14	39°18'11.7349"N	80°46'25.1003"W	2309.79	91.438	0.88	-0.61	0.63	
8142.00	90.680	160.740	6563.92	862.26	-146.75	2339.91	1704481.38	14272344.39	39°18'10.8566"N	80°46'24.7107"W	2344.51	93.589	0.39	0.33	-0.21	
8236.00	90.520	161.390	6562.94	956.24	-235.66	2370.41	1704511.87	14272255.51	39°18'9.9771"N	80°46'24.3256"W	2382.10	95.678	0.71	-0.17	0.69	
8330.00	90.150	161.110	6562.39	1050.23	-324.67	2400.63	1704542.07	14272166.54	39°18'9.0966"N	80°46'23.9440"W	2422.48	97.702	0.49	-0.39	-0.30	
8424.00	90.890	161.470	6561.53	1144.22	-413.70	2430.78	1704572.21	14272077.55	39°18'8.2159"N	80°46'23.5633"W	2465.73	99.659	0.88	0.79	0.38	
8519.00	90.580	161.680	6560.31	1239.21	-503.82	2460.80	1704602.23	14271987.46	39°18'7.3244"N	80°46'23.1843"W	2511.85	101.571	0.39	-0.33	0.22	
8613.00	90.460	161.560	6559.46	1333.20	-593.02	2490.44	1704631.85	14271898.30	39°18'6.4421"N	80°46'22.8101"W	2560.07	103.394	0.18	-0.13	-0.13	
8707.00	90.400	161.050	6558.76	1427.19	-682.06	2520.57	1704661.97	14271809.29	39°18'5.5613"N	80°46'22.4297"W	2611.22	105.141	0.55	-0.06	-0.54	
8801.00	90.180	160.940	6558.28	1521.18	-770.93	2551.18	1704692.57	14271720.45	39°18'4.6821"N	80°46'22.0431"W	2665.12	106.814	0.26	-0.23	-0.12	
8895.00	90.340	160.530	6557.85	1615.15	-859.67	2582.20	1704723.57	14271631.75	39°18'3.8043"N	80°46'21.6515"W	2721.54	108.414	0.47	0.17	-0.44	
8989.00	89.910	160.800	6557.65	1709.13	-948.37	2613.32	1704754.68	14271543.09	39°18'2.9269"N	80°46'21.2584"W	2780.08	109.946	0.54	-0.46	0.29	
9083.00	90.370	160.910	6557.42	1803.11	-1037.17	2644.15	1704785.50	14271454.33	39°18'2.0485"N	80°46'20.8691"W	2840.29	111.418	0.50	0.49	0.12	
9177.00	90.150	160.630	6556.99	1897.08	-1125.92	2675.11	1704816.44	14271365.61	39°18'1.1705"N	80°46'20.4781"W	2902.39	112.826	0.38	-0.23	-0.30	
9271.00	89.970	161.680	6556.89	1991.07	-1214.88	2705.47	1704846.79	14271276.68	39°18'0.2905"N	80°46'20.0947"W	2965.72	114.182	1.13	-0.19	1.12	
9365.00	89.820	162.270	6557.07	2085.07	-1304.27	2734.56	1704875.87	14271187.33	39°17'59.4063"N	80°46'19.7276"W	3029.67	115.499	0.65	-0.16	0.63	
9460.00	91.450	160.570	6556.01	2180.05	-1394.30	2764.82	1704906.12	14271097.33	39°17'58.5156"N	80°46'19.3455"W	3096.50	116.762	2.48	1.72	-1.79	
9554.00	90.520	161.790	6554.40	2274.03	-1483.26	2795.14	1704936.43	14271008.41	39°17'57.6356"N	80°46'18.9627"W	3164.31	117.953	1.63	-0.99	1.30	
9648.00	90.030	161.740	6553.95	2368.03	-1572.54	2824.55	1704965.83	14270919.17	39°17'56.7525"N	80°46'18.5914"W	3232.80	119.106	0.52	-0.52	-0.05	
9743.00	89.750	161.510	6554.13	2463.02	-1662.70	2854.50	1704995.77	14270829.05	39°17'55.8607"N	80°46'18.2134"W	3303.44	120.220	0.38	-0.29	-0.24	
9837.00	89.450	162.140	6554.78	2557.02	-1752.00	2883.82	1705025.07	14270739.77	39°17'54.9773"N	80°46'17.8433"W	3374.30	121.280	0.74	-0.32	0.67	
9931.00	90.490	161.360	6554.83	2651.02	-1841.27	2913.26	1705054.50	14270650.54	39°17'54.0942"N	80°46'17.4717"W	3446.35	122.294	1.38	1.11	-0.83	
10025.00	91.170	162.540	6553.47	2745.00	-1930.64	2942.38	1705083.61	14270561.21	39°17'53.2103"N	80°46'17.1042"W	3519.23	123.271	1.45	0.72	1.26	
10119.00	88.800	161.220	6553.50	2839.00	-2019.97	2971.61	1705112.83	14270471.92	39°17'52.3266"N	80°46'16.7352"W	3593.15	124.206	2.89	-2.52	-1.40	
10213.00	90.120	161.640	6554.38	2932.98	-2109.07	3001.54	1705142.75	14270382.85	39°17'51.4453"N	80°46'16.3573"W	3668.44	125.094	1.47	1.40	0.45	
10401.00	89.850	162.940	6554.43	3120.98	-2288.15	3058.73	1705199.92	14270203.84	39°17'49.6738"N	80°46'15.6357"W	3819.88	126.799	0.71	-0.14	0.69	
10495.00	88.460	163.070	6555.82	3214.95	-2378.03	3086.20	1705227.38	14270113.99	39°17'48.7847"N	80°46'15.2891"W	3896.11	127.616	1.49	-1.48	0.14	
10590.00	90.400	162.080	6556.76	3309.94	-2468.67	3114.65	1705255.81	14270023.40	39°17'47.8883"N	80°46'14.9302"W	3974.34	128.400	2.29	2.04	-1.04	

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Holtz Unit 2H AWP Proj: 15773'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

WELLPATH DATA (176 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
10684.00	90.770	161.730	6555.80	3403.93	-2558.01	3143.84	1705284.99	14269934.09	39°17'47.0045"N	80°46'14.5618"W	4053.04	129.134	0.54	0.39	-0.37	
10779.00	89.020	161.810	6555.98	3498.93	-2648.24	3173.56	1705314.70	14269843.89	39°17'46.1119"N	80°46'14.1867"W	4133.36	129.844	1.84	-1.84	0.08	
10873.00	92.620	165.040	6554.63	3592.86	-2738.30	3200.37	1705341.49	14269753.87	39°17'45.2212"N	80°46'13.8486"W	4211.96	130.551	5.14	3.83	3.44	
10968.00	90.180	163.090	6552.31	3687.76	-2829.61	3226.44	1705367.56	14269662.60	39°17'44.3180"N	80°46'13.5200"W	4291.46	131.251	3.29	-2.57	-2.05	
11062.00	90.520	162.380	6551.74	3781.75	-2919.37	3254.34	1705395.44	14269572.87	39°17'43.4301"N	80°46'13.1680"W	4371.89	131.894	0.84	0.36	-0.76	
11156.00	90.580	162.840	6550.83	3875.74	-3009.07	3282.43	1705423.52	14269483.21	39°17'42.5429"N	80°46'12.8136"W	4452.96	132.512	0.49	0.06	0.49	
11250.00	90.280	161.740	6550.13	3969.73	-3098.61	3311.02	1705452.11	14269393.70	39°17'41.6572"N	80°46'12.4528"W	4534.78	133.102	1.21	-0.32	-1.17	
11345.00	89.910	161.020	6549.97	4064.73	-3188.64	3341.36	1705482.43	14269303.71	39°17'40.7666"N	80°46'12.0699"W	4618.66	133.660	0.85	-0.39	-0.76	
11439.00	90.710	164.070	6549.46	4158.71	-3278.30	3369.55	1705510.61	14269214.09	39°17'39.8797"N	80°46'11.7142"W	4701.18	134.214	3.35	0.85	3.24	
11533.00	90.800	163.130	6548.22	4252.66	-3368.46	3396.08	1705537.13	14269123.96	39°17'38.9879"N	80°46'11.3796"W	4783.30	134.766	1.00	0.10	-1.00	
11627.00	89.690	163.040	6547.82	4346.65	-3458.39	3423.43	1705564.47	14269034.06	39°17'38.0984"N	80°46'11.0346"W	4866.25	135.291	1.18	-1.18	-0.10	
11721.00	90.000	162.760	6548.08	4440.63	-3548.24	3451.07	1705592.10	14268944.25	39°17'37.2097"N	80°46'10.6860"W	4949.74	135.795	0.44	0.33	-0.30	
11816.00	90.030	162.470	6548.05	4535.63	-3638.90	3479.46	1705620.47	14268853.63	39°17'36.3129"N	80°46'10.3279"W	5034.70	136.283	0.31	0.03	-0.31	
11910.00	90.120	162.570	6547.93	4629.62	-3728.56	3507.69	1705648.70	14268764.01	39°17'35.4260"N	80°46'9.9717"W	5119.18	136.748	0.14	0.10	0.11	
12004.00	89.750	162.350	6548.03	4723.62	-3818.19	3536.02	1705677.02	14268674.41	39°17'34.5394"N	80°46'9.6143"W	5204.04	137.197	0.46	-0.39	-0.23	
12098.00	90.090	161.910	6548.17	4817.62	-3907.65	3564.87	1705705.85	14268584.98	39°17'33.6545"N	80°46'9.2503"W	5289.42	137.626	0.59	0.36	-0.47	
12193.00	90.150	162.810	6547.97	4912.62	-3998.18	3593.65	1705734.63	14268494.49	39°17'32.7590"N	80°46'8.8871"W	5375.86	138.050	0.95	0.06	0.95	
12288.00	90.770	162.490	6547.20	5007.61	-4088.86	3621.98	1705762.94	14268403.85	39°17'31.8621"N	80°46'8.5297"W	5462.37	138.465	0.73	0.65	-0.34	
12382.00	91.020	162.920	6545.74	5101.59	-4178.60	3649.93	1705790.87	14268314.15	39°17'30.9744"N	80°46'8.1772"W	5548.21	138.863	0.53	0.27	0.46	
12476.00	90.950	164.290	6544.12	5195.54	-4268.76	3676.45	1705817.39	14268224.02	39°17'30.0826"N	80°46'7.8428"W	5633.70	139.263	1.46	-0.07	1.46	
12571.00	89.820	162.390	6543.48	5290.50	-4359.76	3703.69	1705844.61	14268133.05	39°17'29.1825"N	80°46'7.4993"W	5720.56	139.652	2.33	-1.19	-2.00	
12665.00	89.970	160.000	6543.65	5384.49	-4448.74	3733.98	1705874.90	14268044.11	39°17'28.3023"N	80°46'7.1169"W	5808.09	139.992	2.55	0.16	-2.54	
12759.00	91.450	163.700	6542.49	5478.46	-4538.04	3763.26	1705904.16	14267954.85	39°17'27.4189"N	80°46'6.7475"W	5895.41	140.332	4.24	1.57	3.94	
12854.00	90.650	163.420	6540.75	5573.41	-4629.14	3790.14	1705931.03	14267863.78	39°17'26.5179"N	80°46'6.4085"W	5982.81	140.691	0.89	-0.84	-0.29	
12948.00	90.400	163.650	6539.89	5667.37	-4719.28	3816.78	1705957.66	14267773.68	39°17'25.6263"N	80°46'6.0726"W	6069.55	141.035	0.36	-0.27	0.24	
13042.00	89.720	162.760	6539.79	5761.35	-4809.27	3843.94	1705984.81	14267683.73	39°17'24.7361"N	80°46'5.7301"W	6156.70	141.365	1.19	-0.72	-0.95	
13137.00	90.060	163.110	6539.97	5856.34	-4900.08	3871.82	1706012.68	14267592.95	39°17'23.8378"N	80°46'5.3785"W	6245.14	141.686	0.51	0.36	0.37	
13231.00	89.850	162.940	6540.04	5950.32	-4989.99	3899.26	1706040.11	14267503.08	39°17'22.9486"N	80°46'5.0324"W	6332.79	141.995	0.29	-0.22	-0.18	
13325.00	90.060	162.590	6540.12	6044.31	-5079.77	3927.12	1706067.95	14267413.33	39°17'22.0605"N	80°46'4.6811"W	6420.77	142.293	0.43	0.22	-0.37	
13419.00	90.060	162.300	6540.02	6138.31	-5169.39	3955.47	1706096.29	14267323.75	39°17'21.1740"N	80°46'4.3234"W	6509.09	142.578	0.31	0.00	-0.31	

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Holtz Unit 2H AWP Proj: 15773'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

WELLPATH DATA (176 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
13514.00	89.630	162.450	6540.28	6233.31	-5259.93	3984.23	1706125.05	14267233.24	39°17'20.2784"N	80°46'3.9605"W	6598.56	142.857	0.48	-0.45	0.16	
13608.00	90.860	163.400	6539.87	6327.29	-5349.78	4011.83	1706152.64	14267143.43	39°17'19.3896"N	80°46'3.6124"W	6686.92	143.134	1.65	1.31	1.01	
13703.00	89.600	160.460	6539.49	6422.28	-5440.08	4041.29	1706182.09	14267053.16	39°17'18.4963"N	80°46'3.2407"W	6776.91	143.392	3.37	-1.33	-3.09	
13798.00	90.770	162.930	6539.19	6517.27	-5530.27	4071.13	1706211.91	14266963.01	39°17'17.6042"N	80°46'2.8642"W	6867.16	143.641	2.88	1.23	2.60	
13892.00	90.370	162.920	6538.25	6611.25	-5620.12	4098.73	1706239.50	14266873.20	39°17'16.7155"N	80°46'2.5161"W	6955.96	143.897	0.43	-0.43	-0.01	
13987.00	88.990	162.670	6538.78	6706.24	-5710.86	4126.83	1706267.59	14266782.49	39°17'15.8179"N	80°46'2.1617"W	7045.90	144.147	1.48	-1.45	-0.26	
14081.00	90.250	163.920	6539.41	6800.21	-5800.89	4153.84	1706294.59	14266692.49	39°17'14.9274"N	80°46'1.8210"W	7134.76	144.395	1.89	1.34	1.33	
14176.00	89.420	162.760	6539.68	6895.18	-5891.90	4181.08	1706321.82	14266601.52	39°17'14.0272"N	80°46'1.4776"W	7224.68	144.639	1.50	-0.87	-1.22	
14270.00	89.850	163.260	6540.28	6989.16	-5981.80	4208.55	1706349.27	14266511.66	39°17'13.1380"N	80°46'1.1313"W	7313.94	144.871	0.70	0.46	0.53	
14364.00	91.110	163.340	6539.49	7083.13	-6071.83	4235.56	1706376.27	14266421.67	39°17'12.2475"N	80°46'0.7907"W	7403.18	145.101	1.34	1.34	0.09	
14459.00	90.180	161.750	6538.42	7178.12	-6162.44	4264.05	1706404.75	14266331.09	39°17'11.3511"N	80°46'0.4313"W	7493.85	145.319	1.94	-0.98	-1.67	
14553.00	89.850	161.950	6538.40	7272.12	-6251.77	4293.33	1706434.02	14266241.80	39°17'10.4675"N	80°46'0.0618"W	7584.01	145.521	0.41	-0.35	0.21	
14648.00	90.150	161.810	6538.40	7367.12	-6342.05	4322.88	1706463.56	14266151.55	39°17'9.5744"N	80°45'59.6890"W	7675.21	145.721	0.35	0.32	-0.15	
14742.00	90.430	161.920	6537.92	7461.12	-6431.38	4352.13	1706492.80	14266062.25	39°17'8.6907"N	80°45'59.3199"W	7765.55	145.914	0.32	0.30	0.12	
14837.00	90.830	160.890	6536.88	7556.10	-6521.42	4382.43	1706523.08	14265972.26	39°17'7.8001"N	80°45'58.9376"W	7857.13	146.099	1.16	0.42	-1.08	
14931.00	91.050	163.300	6535.33	7650.09	-6610.85	4411.32	1706551.96	14265882.86	39°17'6.9155"N	80°45'58.5731"W	7947.52	146.285	2.57	0.23	2.56	
15026.00	90.220	162.440	6534.28	7745.07	-6701.62	4439.30	1706579.93	14265792.12	39°17'6.0175"N	80°45'58.2202"W	8038.60	146.479	1.26	-0.87	-0.91	
15120.00	89.260	162.580	6534.71	7839.06	-6791.28	4467.55	1706608.17	14265702.50	39°17'5.1307"N	80°45'57.8639"W	8128.99	146.662	1.03	-1.02	0.15	
15214.00	90.800	160.440	6534.66	7933.05	-6880.42	4497.36	1706637.97	14265613.40	39°17'4.2489"N	80°45'57.4878"W	8219.88	146.830	2.80	1.64	-2.28	
15308.00	91.170	161.540	6533.04	8027.02	-6969.28	4527.97	1706668.57	14265524.58	39°17'3.3699"N	80°45'57.1013"W	8311.04	146.988	1.23	0.39	1.17	
15403.00	90.740	161.830	6531.46	8122.00	-7059.45	4557.82	1706698.41	14265434.44	39°17'2.4779"N	80°45'56.7247"W	8402.95	147.152	0.55	-0.45	0.31	
15497.00	90.680	162.900	6530.29	8215.99	-7149.02	4586.29	1706726.87	14265344.90	39°17'1.5918"N	80°45'56.3655"W	8493.68	147.319	1.14	-0.06	1.14	
15592.00	88.400	160.790	6531.06	8310.98	-7239.28	4615.89	1706756.45	14265254.68	39°17'0.6990"N	80°45'55.9921"W	8585.66	147.478	3.27	-2.40	-2.22	
15686.00	90.220	161.280	6532.19	8404.95	-7328.17	4646.44	1706786.99	14265165.83	39°16'59.8197"N	80°45'55.6066"W	8677.06	147.623	2.01	1.94	0.52	
15748.00	90.650	161.950	6531.72	8466.95	-7387.00	4665.99	1706806.53	14265107.02	39°16'59.2377"N	80°45'55.3599"W	8737.23	147.722	1.28	0.69	1.08	
15773.00‡	90.650	161.950	6531.43	8491.95	-7410.77	4673.74	1706814.28	14265083.26	39°16'59.0026"N	80°45'55.2621"W	8761.47	147.762	0.00	0.00	0.00	Projected MD at TD: 15773'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

HOLE & CASING SECTIONS - Ref Wellbore: Holtz Unit 2H AWB Ref Wellpath: Holtz Unit 2H AWP Proj: 15773'									
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	30.00	130.00	100.00	30.00	130.00	0.00	0.00	0.01	0.33
17.5in Open Hole	130.00	649.00	519.00	130.00	648.99	0.01	0.33	0.03	2.82
13.375in Casing Surface	30.00	630.00	600.00	30.00	629.99	0.00	0.00	-0.23	2.61
12.375in Open Hole	649.00	3441.00	2792.00	648.99	3230.05	0.03	2.82	648.41	777.26
9.625in Casing Intermediate	30.00	3411.00	3381.00	30.00	3202.69	0.00	0.00	640.41	767.92
8.75in Open Hole	3441.00	6157.00	2716.00	3230.05	5676.24	648.41	777.26	1263.80	1740.83
8.5in Open Hole	6157.00	15773.00	9616.00	5676.24	6531.43	1263.80	1740.83	-7410.77	4673.74
5.5in Casing Production	30.00	15753.00	15723.00	30.00	6531.66	0.00	0.00	-7391.76	4667.54

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Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Holtz Unit 2H POE Rev-1	6536.00	849.59	2005.48	1704147.08	14273340.33	39°18'20.7123"N	80°46'28.9335"W	point
Holtz Unit 2H POE Rev-2	6536.00	659.65	2067.17	1704208.75	14273150.47	39°18'18.8335"N	80°46'28.1547"W	point
Holtz Unit 2H BHL Rev-2	6580.00	-7397.19	4684.02	1706824.56	14265096.83	39°16'59.1365"N	80°45'55.1309"W	point
Holtz Unit 2H LP Rev-2	6580.00	424.57	2143.52	1704285.07	14272915.49	39°18'16.5082"N	80°46'27.1909"W	point
Holtz Unit 2H 50' L/R Hard Line	6750.00	-3273.80	3344.75	1705485.82	14269218.58	39°17'39.9248"N	80°46'12.0295"W	rectangle
2D Rectangle 8670.87 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Holtz Unit 2H AWB Ref Wellpath: Holtz Unit 2H AWP Proj: 15773'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	500.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-500')	Holtz Unit 2H AWB	3/6/2024
500.00	734.00	Gyrodata 2015 - GC+WIR+DPIPE	02 Gyrodata MS Gyro <12-3/8"> (500')(600'-734')	Holtz Unit 2H AWB	3/8/2024
734.00	3365.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <12-3/8"> (734')(857'-3365')	Holtz Unit 2H AWB	3/6/2024
3365.00	6080.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04 APS EM <8-3/4"> (3365')(3389'-6080')	Holtz Unit 2H AWB	3/6/2024
6080.00	15773.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH AT Curve <8-1/2"> (6080')(6161'-15748')	Holtz Unit 2H AWB	3/6/2024

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Holtz Unit 2H
Field	Doddridge	API	47-017-06963-0000
Facility	Genevieve Pad	Wellbore	Holtz Unit 2H AWB
Slot	Slot F		

COMMENTS

Wellpath general comments

API: 47-017-06963-0000
BH Job #: 112150811
Rig: H&P 519
Duration: 3/7/2024-3/13/2024
Gyrodata MS Gyro <17-1/2"> (100'-500')
Gyrodata MS Gyro <12-3/8"> (500')(600'-734')
APS EM <12-3/8"> (734')(857'-3365')
APS EM <8-3/4"> (3365')(3389'-6080')
BH AT Curve <8-1/2"> (6080')(6161'-15748')
Sycamore: 6747' MD
Middlesex: 6926' MD
Burkett: 7126' MD
Tully: 7182' MD
Marcellus POE: 7298' MD
Projected MD at TD: 15773'

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