



ANTERO RESOURCES CORPORATION

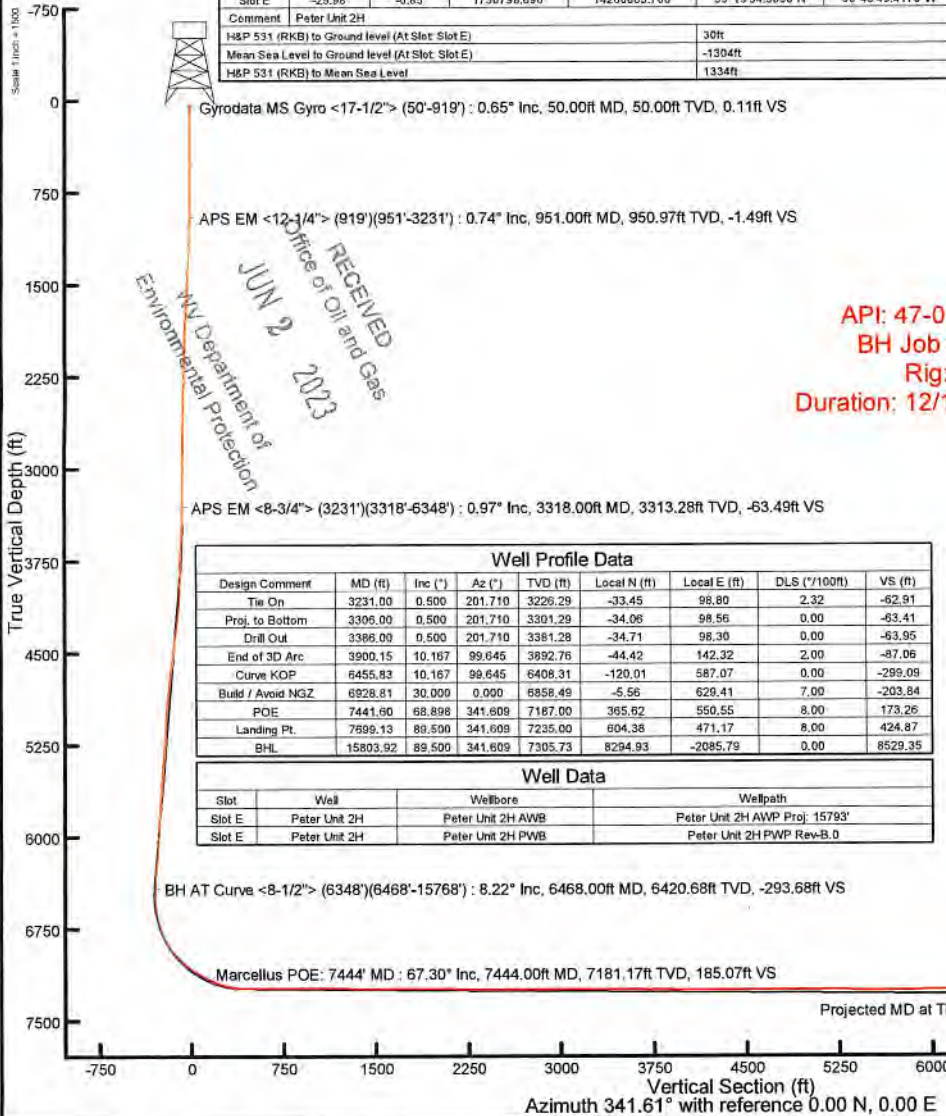


Location: Doddridge Co., WV
 Field: Doddridge
 Facility: Lemley Pad

Slot: Slot E
 Well: Peter Unit 2H
 Wellbore: Peter Unit 2H PWB

Rkt reference wellpath is Peter Unit 2H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 531 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 531 (RKB)	Scale: True distance
H&P 531 (RKB) to Mean Sea Level: 1334 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot E): -1304 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: esbaryar on 2022-12-21; Database: WA_MPL_EASTERN_S_Dat

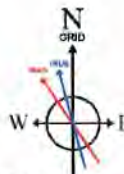
Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Lemley Pad	1730799.540	14280893.670	39°19'34.8023"N	80°40'49.4048"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot E	-29.98	-0.85	1730798.690	14280863.700
Comment	Peter Unit 2H		Latitude	Longitude
H&P 531 (RKB) to Ground level (At Slot: Slot E)			39°19'34.3050"N	80°40'49.4170"W
Mean Sea Level to Ground level (At Slot: Slot E)				
H&P 531 (RKB) to Mean Sea Level				



API: 47-017-06934-0000
 BH Job #: 111534757
 Rig: H&P 531
 Duration: 12/13/2022-12/16/2022

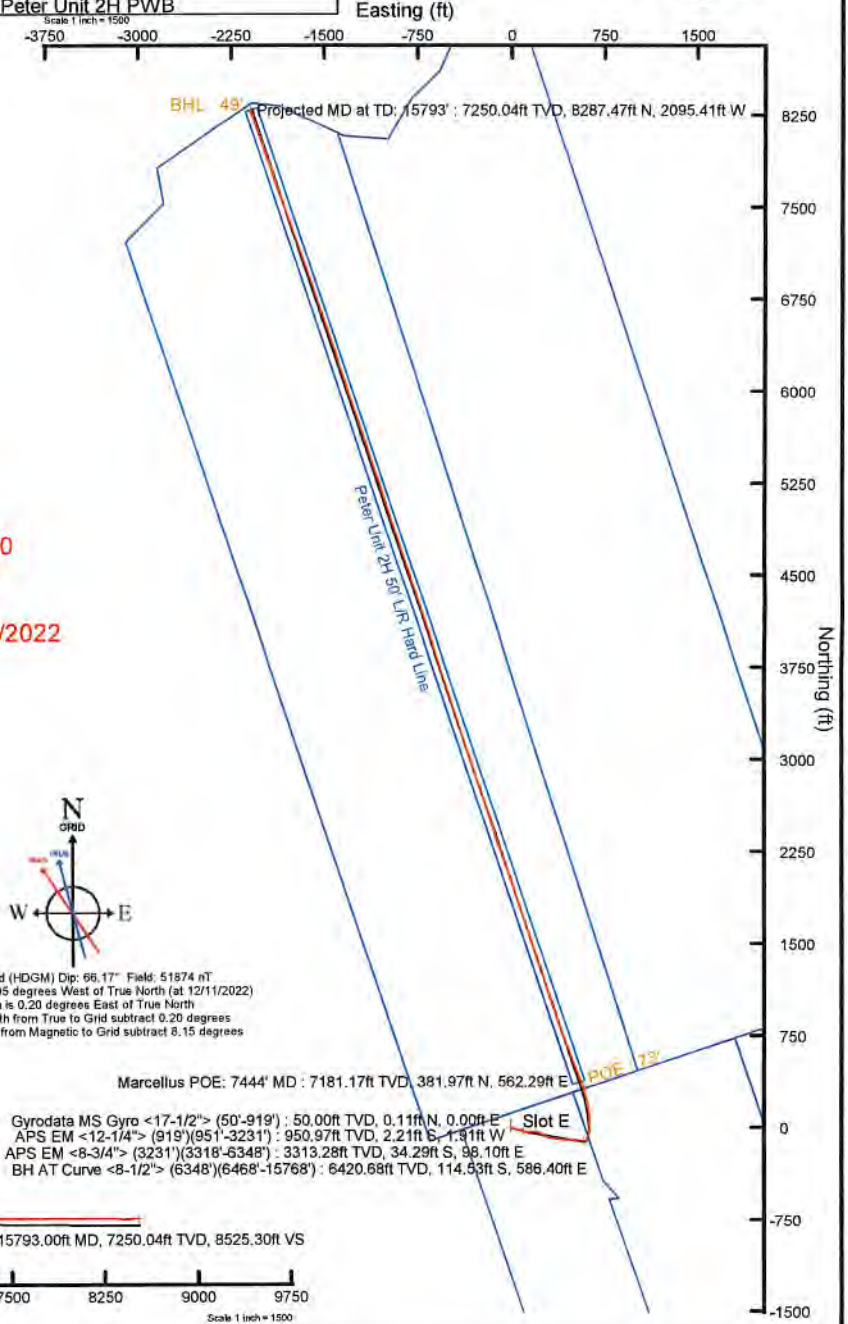
Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)
Tie On	3231.00	0.500	201.710	3226.29	-33.45	98.80	2.32
Proj. to Bottom	3306.00	0.500	201.710	3301.29	-34.06	98.56	0.00
Drill Out	3386.00	0.500	201.710	3381.28	-34.71	98.30	0.00
End of 3D Arc	3900.15	10.187	99.645	3892.76	-44.42	142.32	2.00
Curve KOP	6455.83	10.167	99.645	6408.31	-120.01	587.07	0.00
Build / Avoid NGZ	6928.81	30.000	0.000	6858.49	-5.56	629.41	7.00
POE	7441.60	68.898	341.609	7187.00	395.62	550.55	8.00
Landing Pt.	7899.13	89.500	341.609	7235.00	604.38	471.17	8.00
BHL	15803.92	89.500	341.609	7305.73	8294.93	-2085.79	0.00

Well Data			
Slot	Well	Wellbore	Wellpath
Slot E	Peter Unit 2H	Peter Unit 2H AWB	Peter Unit 2H AWP Proj: 15793'
Slot E	Peter Unit 2H	Peter Unit 2H PWB	Peter Unit 2H PWP Rev-B.0



User specified (HDGM) Dip: 66.17° Field: 51874 nT
 Magnetic North is 7.95 degrees West of True North (at 12/11/2022)
 Grid North is 0.20 degrees East of True North
 To correct azimuth from True to Grid subtract 0.20 degrees
 To correct azimuth from Magnetic to Grid subtract 8.15 degrees

Marcellus POE: 7444' MD : 7181.17ft TVD, 381.97ft N, 562.29ft E
 Gyrodata MS Gyro <17-1/2'> (50°-919') : 50.00ft TVD, 0.11ft N, 0.00ft E
 APS EM <12-1/4'> (919')(951'-3231') : 950.97ft TVD, 2.21ft S, 1.91ft W
 APS EM <8-3/4'> (3231')(3318'-6348') : 3313.28ft TVD, 34.29ft S, 98.10ft E
 BH AT Curve <8-1/2'> (6348')(6468'-15768') : 6420.68ft TVD, 114.53ft S, 586.40ft E





Actual Wellpath Report

Peter Unit 2H AWP Proj: 15793'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999609	Report Generated	12/21/2022 at 10:45:18 AM
Convergence at slot	0.20° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-29.98	-0.85	1730798.69	14280863.70	39°19'34.3060"N	80°40'49.4170"W
Facility Reference Pt			1730799.54	14280893.67	39°19'34.6023"N	80°40'49.4048"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 531 (RKB) to Facility Vertical Datum	1334.00ft
Horizontal Reference Pt	Slot	H&P 531 (RKB) to Mean Sea Level	1334.00ft
Vertical Reference Pt	H&P 531 (RKB)	H&P 531 (RKB) to Ground Level at Slot (Slot E)	30.00ft
MD Reference Pt	H&P 531 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	341.61°

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Slot	Slot E		

WELLPATH DATA (185 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	1.060	0.00	0.00	0.00	0.00	1730798.69	14280863.70	39°19'34.3060"N	80°40'49.4170"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	1.060	30.00	0.00	0.00	0.00	1730798.69	14280863.70	39°19'34.3060"N	80°40'49.4170"W	0.00	0.000	0.00	0.00	0.00	
50.00	0.650	1.060	50.00	0.11	0.11	0.00	1730798.69	14280863.81	39°19'34.3071"N	80°40'49.4169"W	0.11	1.060	3.25	3.25	0.00	Gyrodata MS Gyro <17-1/2"> (50'-919')
100.00	0.780	2.680	100.00	0.69	0.74	0.02	1730798.71	14280864.44	39°19'34.3133"N	80°40'49.4166"W	0.74	1.808	0.26	0.26	3.24	
150.00	0.430	350.350	149.99	1.19	1.26	0.01	1730798.70	14280864.96	39°19'34.3185"N	80°40'49.4168"W	1.26	0.351	0.74	-0.70	-24.66	
200.00	0.320	333.400	199.99	1.52	1.57	-0.09	1730798.60	14280865.27	39°19'34.3215"N	80°40'49.4180"W	1.57	356.859	0.31	-0.22	-33.90	
250.00	0.100	229.620	249.99	1.64	1.67	-0.18	1730798.51	14280865.37	39°19'34.3225"N	80°40'49.4192"W	1.68	353.774	0.71	-0.44	-207.56	
300.00	0.150	193.870	299.99	1.57	1.58	-0.23	1730798.46	14280865.28	39°19'34.3216"N	80°40'49.4198"W	1.59	351.666	0.18	0.10	-71.50	
350.00	0.130	217.060	349.99	1.48	1.47	-0.28	1730798.41	14280865.17	39°19'34.3205"N	80°40'49.4205"W	1.49	349.168	0.12	-0.04	46.38	
400.00	0.150	211.600	399.99	1.41	1.37	-0.35	1730798.34	14280865.07	39°19'34.3195"N	80°40'49.4214"W	1.41	345.663	0.05	0.04	-10.92	
450.00	0.190	165.480	449.99	1.28	1.23	-0.36	1730798.33	14280864.93	39°19'34.3182"N	80°40'49.4215"W	1.28	343.574	0.28	0.08	-92.24	
500.00	0.290	218.340	499.99	1.13	1.05	-0.42	1730798.27	14280864.75	39°19'34.3164"N	80°40'49.4223"W	1.13	338.196	0.46	0.20	105.72	
550.00	0.360	225.050	549.99	0.99	0.84	-0.61	1730798.08	14280864.54	39°19'34.3143"N	80°40'49.4247"W	1.04	324.035	0.16	0.14	13.42	
600.00	0.400	214.990	599.99	0.82	0.59	-0.82	1730797.87	14280864.29	39°19'34.3118"N	80°40'49.4274"W	1.01	305.548	0.16	0.08	-20.12	
650.00	0.390	232.170	649.99	0.66	0.34	-1.06	1730797.63	14280864.04	39°19'34.3094"N	80°40'49.4304"W	1.11	287.829	0.24	-0.02	34.36	
700.00	0.580	228.060	699.99	0.50	0.07	-1.38	1730797.31	14280863.77	39°19'34.3067"N	80°40'49.4345"W	1.38	272.745	0.39	0.38	-8.22	
750.00	0.430	203.960	749.98	0.26	-0.27	-1.64	1730797.05	14280863.43	39°19'34.3033"N	80°40'49.4379"W	1.67	260.515	0.51	-0.30	-48.20	
800.00	0.560	202.520	799.98	-0.07	-0.67	-1.81	1730796.88	14280863.03	39°19'34.2994"N	80°40'49.4401"W	1.93	249.669	0.26	0.26	-2.88	
850.00	0.530	184.530	849.98	-0.46	-1.13	-1.92	1730796.77	14280862.57	39°19'34.2949"N	80°40'49.4415"W	2.23	239.628	0.35	-0.06	-35.98	
900.00	0.600	180.840	899.98	-0.92	-1.62	-1.95	1730796.74	14280862.08	39°19'34.2900"N	80°40'49.4418"W	2.53	230.230	0.16	0.14	-7.38	
919.00	0.630	176.320	918.98	-1.12	-1.82	-1.94	1730796.75	14280861.88	39°19'34.2880"N	80°40'49.4418"W	2.66	226.788	0.30	0.16	-23.79	
951.00	0.740	175.310	950.97	-1.49	-2.21	-1.91	1730796.78	14280861.50	39°19'34.2843"N	80°40'49.4414"W	2.92	220.943	0.35	0.34	-3.16	APS EM <12-1/4"> (919')(951'-3231')
1043.00	1.920	125.830	1042.95	-3.32	-3.70	-0.62	1730798.08	14280860.00	39°19'34.2694"N	80°40'49.4250"W	3.75	189.439	1.68	1.28	-53.78	
1138.00	3.390	115.850	1137.85	-6.57	-5.86	3.20	1730801.89	14280857.85	39°19'34.2480"N	80°40'49.3765"W	6.67	151.323	1.62	1.55	-10.51	
1232.00	3.550	116.260	1231.67	-10.55	-8.36	8.31	1730807.00	14280855.35	39°19'34.2231"N	80°40'49.3116"W	11.79	135.143	0.17	0.17	0.44	
1327.00	3.510	117.620	1326.49	-14.71	-11.01	13.53	1730812.21	14280852.70	39°19'34.1967"N	80°40'49.2453"W	17.44	129.128	0.10	-0.04	1.43	
1421.00	4.860	105.150	1420.24	-18.98	-13.38	19.92	1730818.60	14280850.33	39°19'34.1730"N	80°40'49.1641"W	24.00	123.886	1.72	1.44	-13.27	
1516.00	5.650	101.050	1514.84	-23.50	-15.33	28.40	1730827.08	14280848.38	39°19'34.1535"N	80°40'49.0563"W	32.27	118.360	0.92	0.83	-4.32	
1611.00	5.730	100.750	1609.37	-28.11	-17.11	37.65	1730836.32	14280846.60	39°19'34.1356"N	80°40'48.9387"W	41.35	114.441	0.09	0.08	-0.32	
1705.00	6.030	98.720	1702.88	-32.65	-18.73	47.14	1730845.81	14280844.97	39°19'34.1192"N	80°40'48.8180"W	50.72	111.674	0.39	0.32	-2.16	

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Actual Wellpath Report

Peter Unit 2H AWP Proj: 15793'

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Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

WELLPATH DATA (185 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
1799.00	5.800	100.090	1796.38	-37.16	-20.31	56.69	1730855.36	14280843.39	39°19'34.1032"N	80°40'48.6965"W	60.22	109.713	0.29	-0.24	1.46	
1894.00	5.670	95.670	1890.90	-41.36	-21.62	66.09	1730864.75	14280842.09	39°19'34.0900"N	80°40'48.5770"W	69.53	108.113	0.48	-0.14	-4.65	
1989.00	5.710	96.160	1985.44	-45.24	-22.59	75.46	1730874.12	14280841.12	39°19'34.0801"N	80°40'48.4578"W	78.77	106.666	0.07	0.04	0.52	
2083.00	5.940	95.790	2078.95	-49.18	-23.58	84.94	1730883.60	14280840.13	39°19'34.0699"N	80°40'48.3371"W	88.16	105.515	0.25	0.24	-0.39	
2178.00	4.540	99.000	2173.55	-52.92	-24.67	93.55	1730892.20	14280839.04	39°19'34.0589"N	80°40'48.2277"W	96.75	104.771	1.51	-1.47	3.38	
2273.00	2.660	103.280	2268.36	-55.81	-25.76	99.41	1730898.06	14280837.95	39°19'34.0479"N	80°40'48.1532"W	102.69	104.528	2.00	-1.98	4.51	
2367.00	0.310	149.180	2362.32	-57.20	-26.48	101.66	1730900.31	14280837.23	39°19'34.0407"N	80°40'48.1245"W	105.05	104.599	2.61	-2.50	48.83	
2462.00	0.500	219.880	2457.32	-57.67	-27.02	101.53	1730900.18	14280836.69	39°19'34.0354"N	80°40'48.1262"W	105.06	104.902	0.52	0.20	74.42	
2556.00	0.570	203.810	2551.32	-58.23	-27.76	101.08	1730899.73	14280835.95	39°19'34.0281"N	80°40'48.1320"W	104.82	105.358	0.18	0.07	-17.10	
2651.00	0.580	197.900	2646.31	-58.97	-28.65	100.74	1730899.39	14280835.06	39°19'34.0193"N	80°40'48.1364"W	104.73	105.876	0.06	0.01	-6.22	
2746.00	0.550	197.620	2741.31	-59.73	-29.54	100.45	1730899.10	14280834.17	39°19'34.0105"N	80°40'48.1400"W	104.71	106.389	0.03	-0.03	-0.29	
2840.00	0.500	193.100	2835.30	-60.44	-30.37	100.22	1730898.87	14280833.34	39°19'34.0023"N	80°40'48.1430"W	104.72	106.859	0.07	-0.05	-4.81	
2934.00	0.500	194.260	2929.30	-61.13	-31.17	100.03	1730898.68	14280832.54	39°19'33.9944"N	80°40'48.1455"W	104.77	107.307	0.01	0.00	1.23	
3029.00	0.480	202.580	3024.30	-61.78	-31.94	99.77	1730898.42	14280831.77	39°19'33.9868"N	80°40'48.1488"W	104.76	107.750	0.08	-0.02	8.76	
3124.00	0.470	208.450	3119.29	-62.35	-32.65	99.44	1730898.09	14280831.06	39°19'33.9798"N	80°40'48.1531"W	104.66	108.177	0.05	-0.01	6.18	
3219.00	0.640	226.230	3214.29	-62.85	-33.36	98.87	1730897.52	14280830.35	39°19'33.9728"N	80°40'48.1604"W	104.34	108.645	0.25	0.18	18.72	
3231.00	0.500	201.710	3226.29	-62.91	-33.45	98.80	1730897.45	14280830.26	39°19'33.9719"N	80°40'48.1613"W	104.31	108.706	2.32	-1.17	-204.33	
3318.00	0.970	228.920	3313.28	-63.49	-34.29	98.10	1730896.76	14280829.42	39°19'33.9636"N	80°40'48.1701"W	103.92	109.266	0.66	0.54	31.28	APS EM <8-3/4"> (3231')(3318'-6348')
3413.00	1.810	132.110	3408.26	-65.10	-35.82	98.61	1730897.26	14280827.89	39°19'33.9485"N	80°40'48.1638"W	104.92	109.966	2.27	0.88	-101.91	
3507.00	5.150	108.020	3502.08	-68.90	-38.13	103.73	1730902.37	14280825.59	39°19'33.9255"N	80°40'48.0988"W	110.51	110.182	3.80	3.55	-25.63	
3602.00	7.000	96.720	3596.54	-73.89	-40.12	113.53	1730912.18	14280823.59	39°19'33.9055"N	80°40'47.9741"W	120.41	109.464	2.31	1.95	-11.89	
3696.00	8.620	90.970	3689.67	-78.66	-40.91	126.26	1730924.90	14280822.80	39°19'33.8972"N	80°40'47.8121"W	132.73	107.953	1.91	1.72	-6.12	
3791.00	8.820	86.520	3783.57	-82.89	-40.59	140.65	1730939.29	14280823.13	39°19'33.8999"N	80°40'47.6290"W	146.39	106.097	0.74	0.21	-4.68	
3885.00	8.570	80.630	3876.50	-85.84	-39.01	154.76	1730953.38	14280824.70	39°19'33.9150"N	80°40'47.4495"W	159.60	104.149	0.98	-0.27	-6.27	
3980.00	9.530	83.410	3970.31	-88.56	-36.96	169.55	1730968.18	14280826.76	39°19'33.9348"N	80°40'47.2611"W	173.53	102.297	1.11	1.01	2.93	
4075.00	10.250	91.240	4063.90	-93.01	-36.24	185.82	1730984.43	14280827.48	39°19'33.9413"N	80°40'47.0541"W	189.32	101.035	1.60	0.76	8.24	
4170.00	10.580	101.810	4157.35	-100.24	-38.21	202.80	1731001.41	14280825.51	39°19'33.9213"N	80°40'46.8380"W	206.37	100.669	2.04	0.35	11.13	
4264.00	10.620	114.310	4249.76	-110.45	-43.54	219.15	1731017.75	14280820.18	39°19'33.8680"N	80°40'46.6303"W	223.43	101.237	2.44	0.04	13.30	
4359.00	10.180	109.800	4343.20	-121.58	-49.99	235.02	1731033.62	14280813.73	39°19'33.8037"N	80°40'46.4285"W	240.28	102.007	0.97	-0.46	-4.75	
4454.00	9.900	117.330	4436.75	-132.62	-56.58	250.18	1731048.77	14280807.14	39°19'33.7380"N	80°40'46.2360"W	256.50	102.743	1.41	-0.29	7.93	

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Slot	Slot E		

WELLPATH DATA (185 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
4548.00	9.030	115.810	4529.47	-143.55	-63.50	264.00	1731062.59	14280800.22	39°19'33.6691"N	80°40'46.0604"W	271.53	103.525	0.96	-0.93	-1.62	
4643.00	9.610	121.490	4623.21	-154.81	-70.89	277.47	1731076.05	14280792.84	39°19'33.5956"N	80°40'45.8893"W	286.38	104.332	1.14	0.61	5.98	
4738.00	8.970	115.960	4716.97	-166.05	-78.27	290.89	1731089.47	14280785.46	39°19'33.5222"N	80°40'45.7189"W	301.24	105.061	1.16	-0.67	-5.82	
4832.00	9.980	108.980	4809.69	-176.12	-84.13	305.19	1731103.76	14280779.60	39°19'33.4638"N	80°40'45.5373"W	316.57	105.412	1.63	1.07	-7.43	
4926.00	10.640	101.900	4902.17	-185.44	-88.57	321.38	1731119.94	14280775.16	39°19'33.4193"N	80°40'45.3314"W	333.36	105.408	1.52	0.70	-7.53	
5021.00	10.030	97.950	4995.63	-193.53	-91.52	338.16	1731136.71	14280772.21	39°19'33.3896"N	80°40'45.1181"W	350.32	105.144	0.98	-0.64	-4.16	
5115.00	8.790	91.230	5088.37	-199.58	-92.81	353.44	1731152.00	14280770.93	39°19'33.3763"N	80°40'44.9236"W	365.43	104.713	1.76	-1.32	-7.15	
5210.00	9.910	92.370	5182.11	-204.91	-93.30	368.87	1731167.41	14280770.43	39°19'33.3709"N	80°40'44.7273"W	380.49	104.195	1.19	1.18	1.20	
5305.00	10.810	96.370	5275.56	-211.54	-94.63	385.89	1731184.43	14280769.11	39°19'33.3572"N	80°40'44.5108"W	397.33	103.778	1.21	0.95	4.21	
5399.00	10.320	94.020	5367.96	-218.44	-96.20	403.05	1731201.58	14280767.54	39°19'33.3411"N	80°40'44.2925"W	414.37	103.424	0.69	-0.52	-2.50	
5493.00	10.370	94.790	5460.44	-224.98	-97.49	419.88	1731218.41	14280766.24	39°19'33.3277"N	80°40'44.0784"W	431.05	103.072	0.16	0.05	0.82	
5591.00	10.430	100.820	5556.83	-232.78	-99.90	437.38	1731235.90	14280763.84	39°19'33.3033"N	80°40'43.8558"W	448.65	102.865	1.11	0.06	6.15	
5685.00	9.300	96.870	5649.44	-240.18	-102.40	453.28	1731251.80	14280761.34	39°19'33.2780"N	80°40'43.6536"W	464.71	102.730	1.40	-1.20	-4.20	
5780.00	9.830	94.190	5743.12	-246.57	-103.91	468.99	1731267.50	14280759.83	39°19'33.2625"N	80°40'43.4537"W	480.37	102.493	0.73	0.56	-2.82	
5875.00	10.400	87.780	5836.64	-252.07	-104.17	485.65	1731284.15	14280759.57	39°19'33.2594"N	80°40'43.2418"W	496.70	102.107	1.33	0.60	-6.75	
5969.00	11.300	88.450	5928.96	-257.10	-103.60	503.33	1731301.83	14280760.14	39°19'33.2644"N	80°40'43.0167"W	513.88	101.630	0.97	0.96	0.71	
6064.00	11.310	93.620	6022.12	-263.29	-103.93	521.94	1731320.42	14280759.81	39°19'33.2605"N	80°40'42.7800"W	532.18	101.262	1.07	0.01	5.44	
6158.00	10.520	97.630	6114.42	-270.51	-105.65	539.64	1731338.12	14280758.09	39°19'33.2428"N	80°40'42.5548"W	549.89	101.078	1.17	-0.84	4.27	
6253.00	9.790	105.650	6207.94	-278.83	-108.98	556.01	1731354.49	14280754.76	39°19'33.2093"N	80°40'42.3466"W	566.59	101.090	1.67	-0.77	8.44	
6348.00	7.720	103.720	6301.83	-286.75	-112.68	569.99	1731368.46	14280751.07	39°19'33.1724"N	80°40'42.1689"W	581.02	101.182	2.20	-2.18	-2.03	
6468.00	8.220	89.630	6420.68	-293.68	-114.53	586.40	1731384.86	14280749.21	39°19'33.1534"N	80°40'41.9602"W	597.48	101.052	1.68	0.42	-11.74	BH AT Curve <8-1/2"> (6348')(6468'-15768')
6562.00	10.170	57.840	6513.52	-293.79	-110.07	600.16	1731398.61	14280753.67	39°19'33.1971"N	80°40'41.7849"W	610.17	100.393	5.70	2.07	-33.82	
6657.00	13.940	30.300	6606.49	-284.23	-95.71	613.05	1731411.49	14280768.03	39°19'33.3385"N	80°40'41.6203"W	620.47	98.873	7.13	3.97	-28.99	
6752.00	19.390	20.010	6697.48	-264.29	-70.99	624.23	1731422.67	14280792.74	39°19'33.5825"N	80°40'41.4769"W	628.25	96.488	6.50	5.74	-10.83	
6830.00†	23.994	14.241	6769.95	-240.78	-43.43	632.56	1731431.00	14280820.29	39°19'33.8546"N	80°40'41.3696"W	634.05	93.928	6.50	5.90	-7.40	Sycamore: 6830' MD
6846.00	24.960	13.310	6784.51	-235.16	-36.99	634.14	1731432.58	14280826.72	39°19'33.9181"N	80°40'41.3492"W	635.22	93.339	6.50	6.04	-5.82	
6941.00	31.890	357.840	6868.12	-193.91	7.70	637.82	1731436.26	14280871.40	39°19'34.3598"N	80°40'41.3004"W	637.87	89.308	10.59	7.29	-16.28	
7001.00†	36.588	357.248	6917.71	-161.45	41.42	636.36	1731434.80	14280905.11	39°19'34.6931"N	80°40'41.3174"W	637.71	86.276	7.85	7.83	-0.99	Middlesex: 7001' MD
7036.00	39.330	356.960	6945.30	-140.71	62.92	635.27	1731433.71	14280926.60	39°19'34.9056"N	80°40'41.3303"W	638.38	84.344	7.85	7.83	-0.82	
7130.00	48.170	353.180	7013.15	-77.54	127.58	629.52	1731427.96	14280991.23	39°19'35.5449"N	80°40'41.4005"W	642.32	78.544	9.80	9.40	-4.02	

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Peter Unit 2H AWP Proj: 15793'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Peter Unit 2H
Field	Doddridge		API	47-017-06934-0000
Facility	Lemley Pad		Wellbore	Peter Unit 2H AWB
Slot	Slot E			

WELLPATH DATA (185 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
7216.00†	54.044	348.206	7067.14	-11.49	193.55	618.59	1731417.04	14281057.17	39°19'36.1973"N	80°40'41.5366"W	648.16	72.626	8.18	6.83	-5.78	Burkett: 7216' MD
7225.00	54.670	347.730	7072.38	-4.22	200.70	617.06	1731415.51	14281064.32	39°19'36.2680"N	80°40'41.5557"W	648.88	71.983	8.18	6.96	-5.29	
7267.00†	56.334	345.913	7096.17	30.25	234.40	609.17	1731407.62	14281098.01	39°19'36.6013"N	80°40'41.6547"W	652.71	68.954	5.33	3.96	-4.33	Tully: 7267' MD
7319.00	58.430	343.760	7124.20	73.97	276.66	597.70	1731396.16	14281140.26	39°19'37.0195"N	80°40'41.7986"W	658.63	65.162	5.33	4.03	-4.14	
7381.00†	62.818	341.373	7154.61	127.97	328.19	581.50	1731379.96	14281191.76	39°19'37.5293"N	80°40'42.0025"W	667.72	60.561	7.83	7.08	-3.85	Hamilton: 7381' MD
7414.00	65.170	340.180	7169.08	157.62	356.19	571.73	1731370.20	14281219.75	39°19'37.8064"N	80°40'42.1255"W	673.61	58.077	7.83	7.13	-3.62	
7444.00†	67.300	339.607	7181.17	185.07	381.97	562.29	1731360.76	14281245.52	39°19'38.0615"N	80°40'42.2445"W	679.76	55.812	7.31	7.10	-1.91	Marcellus POE: 7444' MD
7508.00	71.850	338.440	7203.50	244.96	437.95	540.82	1731339.30	14281301.48	39°19'38.6156"N	80°40'42.5152"W	695.91	51.000	7.31	7.11	-1.82	
7603.00	81.010	339.260	7225.77	337.11	523.99	507.55	1731306.04	14281387.48	39°19'39.4671"N	80°40'42.9347"W	729.50	44.087	9.68	9.64	0.86	
7697.00	89.850	339.250	7233.25	430.64	611.53	474.39	1731272.90	14281474.99	39°19'40.3335"N	80°40'43.3527"W	773.96	37.802	9.40	9.40	-0.01	
7792.00	89.880	339.300	7233.47	525.56	700.38	440.77	1731239.29	14281563.81	39°19'41.2128"N	80°40'43.7765"W	827.54	32.184	0.06	0.03	0.05	
7887.00	88.830	340.640	7234.54	620.51	789.63	408.24	1731206.77	14281653.02	39°19'42.0960"N	80°40'44.1865"W	888.91	27.339	1.79	-1.11	1.41	
7981.00	91.290	341.280	7234.44	714.49	878.48	377.57	1731176.12	14281741.83	39°19'42.9753"N	80°40'44.5726"W	956.18	23.258	2.70	2.62	0.68	
8076.00	89.350	341.550	7233.91	809.49	968.52	347.30	1731145.85	14281831.84	39°19'43.8662"N	80°40'44.9539"W	1028.90	19.727	2.06	-2.04	0.28	
8171.00	90.250	342.750	7234.24	904.48	1058.94	318.18	1731116.74	14281922.22	39°19'44.7610"N	80°40'45.3203"W	1105.71	16.724	1.58	0.95	1.26	
8265.00	89.230	341.840	7234.67	998.47	1148.48	289.59	1731088.17	14282011.73	39°19'45.6470"N	80°40'45.6801"W	1184.43	14.152	1.45	-1.09	-0.97	
8360.00	89.630	341.640	7235.62	1093.47	1238.70	259.83	1731058.42	14282101.91	39°19'46.5397"N	80°40'46.0548"W	1265.65	11.847	0.47	0.42	-0.21	
8454.00	90.250	341.590	7235.71	1187.47	1327.90	230.18	1731028.78	14282191.08	39°19'47.4223"N	80°40'46.4280"W	1347.70	9.834	0.66	0.66	-0.05	
8549.00	89.450	341.710	7235.96	1282.46	1418.07	200.27	1730998.89	14282281.21	39°19'48.3146"N	80°40'46.8045"W	1432.14	8.039	0.85	-0.84	0.13	
8644.00	90.220	341.570	7236.24	1377.46	1508.23	170.35	1730968.97	14282371.34	39°19'49.2068"N	80°40'47.1813"W	1517.82	6.444	0.82	0.81	-0.15	
8739.00	89.630	341.660	7236.36	1472.46	1598.38	140.39	1730939.02	14282461.45	39°19'50.0988"N	80°40'47.5585"W	1604.53	5.019	0.63	-0.62	0.09	
8833.00	89.420	341.980	7237.14	1566.46	1687.68	111.06	1730909.71	14282550.72	39°19'50.9825"N	80°40'47.9277"W	1691.33	3.765	0.41	-0.22	0.34	
8928.00	90.180	341.240	7237.47	1661.46	1777.83	81.09	1730879.75	14282640.83	39°19'51.8745"N	80°40'48.3050"W	1779.68	2.612	1.12	0.80	-0.78	
9023.00	89.940	341.880	7237.37	1756.46	1867.95	51.04	1730849.71	14282730.92	39°19'52.7663"N	80°40'48.6834"W	1868.65	1.565	0.72	-0.25	0.67	
9118.00	89.970	340.730	7237.45	1851.45	1957.94	20.59	1730819.27	14282820.87	39°19'53.6567"N	80°40'49.0668"W	1958.05	0.603	1.21	0.03	-1.21	
9212.00	89.690	342.090	7237.73	1945.45	2047.03	-9.37	1730789.32	14282909.93	39°19'54.5383"N	80°40'49.4442"W	2047.05	359.738	1.48	-0.30	1.45	
9307.00	88.890	339.750	7238.90	2040.43	2136.80	-40.42	1730758.28	14282999.66	39°19'55.4266"N	80°40'49.8353"W	2137.18	358.916	2.60	-0.84	-2.46	
9402.00	89.110	342.780	7240.56	2135.40	2226.74	-70.93	1730727.79	14283089.57	39°19'56.3167"N	80°40'50.2194"W	2227.87	358.176	3.20	0.23	3.19	
9496.00	89.690	340.080	7241.55	2229.39	2315.83	-100.86	1730697.87	14283178.62	39°19'57.1983"N	80°40'50.5964"W	2318.03	357.506	2.94	0.62	-2.87	
9591.00	87.510	340.650	7243.87	2324.33	2405.28	-132.77	1730665.97	14283268.03	39°19'58.0834"N	80°40'50.9984"W	2408.94	356.840	2.37	-2.29	0.60	

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Actual Wellpath Report

Peter Unit 2H AWP Proj: 15793'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

WELLPATH DATA (185 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
9685.00	91.790	344.710	7244.44	2418.27	2494.97	-160.74	1730638.01	14283357.69	39°19'58.9709"N	80°40'51.3504"W	2500.15	356.314	6.28	4.55	4.32	
9780.00	91.140	341.400	7242.01	2513.19	2585.81	-188.42	1730610.35	14283448.49	39°19'59.8696"N	80°40'51.6985"W	2592.66	355.832	3.55	-0.68	-3.48	
9874.00	89.720	343.020	7241.31	2607.18	2675.30	-217.14	1730581.64	14283537.95	39°20'0.7552"N	80°40'52.0599"W	2684.10	355.360	2.29	-1.51	1.72	
9968.00	88.830	340.930	7242.50	2701.17	2764.68	-246.22	1730552.57	14283627.29	39°20'1.6395"N	80°40'52.4260"W	2775.62	354.911	2.42	-0.95	-2.22	
10063.00	90.550	341.170	7243.01	2796.16	2854.52	-277.07	1730521.73	14283717.10	39°20'2.5286"N	80°40'52.8146"W	2867.94	354.456	1.83	1.81	0.25	
10158.00	88.620	342.330	7243.78	2891.15	2944.74	-306.81	1730492.00	14283807.28	39°20'3.4213"N	80°40'53.1891"W	2960.68	354.052	2.46	-2.14	1.22	
10252.00	90.430	341.180	7244.64	2985.14	3034.00	-336.24	1730462.58	14283896.51	39°20'4.3045"N	80°40'53.5596"W	3052.58	353.676	2.37	2.03	-1.22	
10347.00	90.280	342.610	7244.05	3080.13	3124.29	-365.76	1730433.07	14283986.77	39°20'5.1980"N	80°40'53.9313"W	3145.63	353.323	1.51	-0.16	1.51	
10441.00	88.980	342.260	7244.66	3174.12	3213.91	-394.13	1730404.72	14284076.34	39°20'6.0847"N	80°40'54.2883"W	3237.98	353.009	1.43	-1.38	-0.37	
10536.00	90.250	341.310	7245.30	3269.11	3304.14	-423.82	1730375.03	14284166.54	39°20'6.9775"N	80°40'54.6622"W	3331.21	352.691	1.67	1.34	-1.00	
10631.00	89.780	342.620	7245.27	3364.11	3394.47	-453.23	1730345.63	14284256.84	39°20'7.8713"N	80°40'55.0324"W	3424.60	352.395	1.47	-0.49	1.38	
10725.00	90.000	341.880	7245.45	3458.10	3484.00	-481.89	1730316.99	14284346.33	39°20'8.7572"N	80°40'55.3931"W	3517.16	352.125	0.82	0.23	-0.79	
10820.00	90.740	341.770	7244.84	3553.10	3574.25	-511.52	1730287.37	14284436.55	39°20'9.6503"N	80°40'55.7662"W	3610.67	351.856	0.79	0.78	-0.12	
10914.00	88.770	341.430	7245.24	3647.09	3663.44	-541.19	1730257.71	14284525.70	39°20'10.5328"N	80°40'56.1398"W	3703.20	351.597	2.13	-2.10	-0.36	
11009.00	90.550	341.750	7245.81	3742.09	3753.57	-571.19	1730227.72	14284615.80	39°20'11.4247"N	80°40'56.5176"W	3796.79	351.348	1.90	1.87	0.34	
11103.00	89.940	343.050	7245.40	3836.07	3843.17	-599.61	1730199.31	14284705.36	39°20'12.3112"N	80°40'56.8753"W	3889.67	351.132	1.53	-0.65	1.38	
11198.00	88.950	340.910	7246.32	3931.06	3933.50	-629.00	1730169.94	14284795.66	39°20'13.2050"N	80°40'57.2452"W	3983.47	350.915	2.48	-1.04	-2.25	
11292.00	90.490	342.470	7246.78	4025.05	4022.74	-658.53	1730140.42	14284884.86	39°20'14.0880"N	80°40'57.6171"W	4076.28	350.703	2.33	1.64	1.66	
11387.00	88.800	341.750	7247.37	4120.04	4113.14	-687.71	1730111.25	14284975.22	39°20'14.9825"N	80°40'57.9844"W	4170.23	350.508	1.93	-1.78	-0.76	
11481.00	90.430	341.620	7248.00	4214.04	4202.37	-717.24	1730081.73	14285064.42	39°20'15.8654"N	80°40'58.3563"W	4263.14	350.314	1.74	1.73	-0.14	
11576.00	90.150	342.420	7247.52	4309.03	4292.73	-746.57	1730052.41	14285154.74	39°20'16.7595"N	80°40'58.7255"W	4357.16	350.134	0.89	-0.29	0.84	
11671.00	88.920	341.410	7248.29	4404.03	4383.03	-776.06	1730022.94	14285245.01	39°20'17.6530"N	80°40'59.0968"W	4451.20	349.959	1.68	-1.29	-1.06	
11765.00	90.340	342.080	7248.90	4498.02	4472.29	-805.50	1729993.51	14285334.24	39°20'18.5363"N	80°40'59.4676"W	4544.25	349.790	1.67	1.51	0.71	
11860.00	89.820	342.710	7248.77	4593.01	4562.84	-834.23	1729964.78	14285424.75	39°20'19.4323"N	80°40'59.8292"W	4638.48	349.639	0.86	-0.55	0.66	
11954.00	89.420	341.980	7249.39	4687.00	4652.41	-862.74	1729936.29	14285514.29	39°20'20.3185"N	80°41'0.1880"W	4731.73	349.494	0.89	-0.43	-0.78	
12049.00	90.370	341.280	7249.57	4782.00	4742.57	-892.68	1729906.36	14285604.41	39°20'21.2106"N	80°41'0.5651"W	4825.85	349.340	1.24	1.00	-0.74	
12144.00	90.090	343.090	7249.19	4876.99	4833.01	-921.74	1729877.31	14285694.81	39°20'22.1055"N	80°41'0.9309"W	4920.12	349.202	1.93	-0.29	1.91	
12238.00	88.920	340.360	7250.00	4970.97	4922.26	-951.22	1729847.85	14285784.02	39°20'22.9886"N	80°41'1.3021"W	5013.32	349.063	3.16	-1.24	-2.90	
12333.00	91.170	343.880	7249.92	5065.95	5012.65	-980.38	1729818.70	14285874.38	39°20'23.8830"N	80°41'1.6692"W	5107.62	348.934	4.40	2.37	3.71	
12427.00	88.980	340.440	7249.80	5159.93	5102.11	-1009.17	1729789.92	14285963.81	39°20'24.7682"N	80°41'2.0317"W	5200.96	348.812	4.34	-2.33	-3.66	

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Peter Unit 2H
Field	Doddridge		API	47-017-06934-0000
Facility	Lemley Pad		Wellbore	Peter Unit 2H AWB
Slot	Slot E			

WELLPATH DATA (185 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
12522.00	90.400	343.070	7250.31	5254.91	5192.32	-1038.91	1729760.19	14286053.98	39°20'25.6608"N	80°41'2.4061"W	5295.24	348.685	3.15	1.49	2.77	
12617.00	88.860	340.270	7250.93	5349.90	5282.49	-1068.78	1729730.33	14286144.11	39°20'26.5530"N	80°41'2.7823"W	5389.52	348.562	3.36	-1.62	-2.95	
12711.00	90.770	342.620	7251.23	5443.89	5371.59	-1098.69	1729700.43	14286233.18	39°20'27.4347"N	80°41'3.1590"W	5482.80	348.440	3.22	2.03	2.50	
12805.00	88.460	341.180	7251.86	5537.87	5460.93	-1127.89	1729671.25	14286322.48	39°20'28.3187"N	80°41'3.5267"W	5576.19	348.330	2.90	-2.46	-1.53	
12900.00	90.860	341.970	7252.43	5632.87	5551.05	-1157.91	1729641.23	14286412.57	39°20'29.2105"N	80°41'3.9048"W	5670.53	348.217	2.66	2.53	0.83	
12994.00	88.650	341.400	7252.83	5726.86	5640.28	-1187.45	1729611.71	14286501.77	39°20'30.0934"N	80°41'4.2768"W	5763.92	348.111	2.43	-2.35	-0.61	
13089.00	90.890	342.560	7253.21	5821.85	5730.61	-1216.83	1729582.34	14286592.06	39°20'30.9872"N	80°41'4.6468"W	5858.38	348.012	2.66	2.36	1.22	
13184.00	91.790	339.330	7250.99	5916.80	5820.37	-1247.83	1729551.35	14286681.79	39°20'31.8754"N	80°41'5.0374"W	5952.63	347.899	3.53	0.95	-3.40	
13373.00	89.510	343.050	7248.84	6105.74	5999.22	-1308.75	1729490.45	14286860.57	39°20'33.6452"N	80°41'5.8048"W	6140.32	347.694	2.31	-1.21	1.97	
13467.00	89.230	341.040	7249.88	6199.73	6088.63	-1337.73	1729461.49	14286949.94	39°20'34.5299"N	80°41'6.1697"W	6233.86	347.608	2.16	-0.30	-2.14	
13562.00	88.400	341.680	7251.84	6294.70	6178.63	-1368.08	1729431.14	14287039.90	39°20'35.4205"N	80°41'6.5521"W	6328.28	347.515	1.10	-0.87	0.67	
13656.00	90.400	343.150	7252.83	6388.68	6268.23	-1396.48	1729402.76	14287129.47	39°20'36.3070"N	80°41'6.9095"W	6421.90	347.440	2.64	2.13	1.56	
13751.00	89.850	340.880	7252.62	6483.67	6358.58	-1425.81	1729373.44	14287219.78	39°20'37.2010"N	80°41'7.2788"W	6516.48	347.361	2.46	-0.58	-2.39	
13845.00	90.460	341.640	7252.36	6577.67	6447.59	-1456.01	1729343.25	14287308.76	39°20'38.0818"N	80°41'7.6593"W	6609.95	347.275	1.04	0.65	0.81	
13939.00	89.050	341.390	7252.77	6671.67	6536.74	-1485.81	1729313.46	14287397.87	39°20'38.9639"N	80°41'8.0347"W	6703.48	347.194	1.52	-1.50	-0.27	
14034.00	90.310	340.650	7253.30	6766.66	6626.57	-1516.71	1729282.58	14287487.67	39°20'39.8528"N	80°41'8.4239"W	6797.93	347.108	1.54	1.33	-0.78	
14129.00	90.800	341.280	7252.38	6861.85	6716.37	-1547.69	1729251.61	14287577.43	39°20'40.7414"N	80°41'8.8143"W	6892.39	347.024	0.84	0.52	0.66	
14223.00	89.720	341.840	7251.95	6955.64	6805.54	-1577.42	1729221.89	14287666.57	39°20'41.6238"N	80°41'9.1888"W	6985.96	346.950	1.29	-1.15	0.60	
14317.00	90.220	340.180	7252.00	7049.63	6894.42	-1608.01	1729191.31	14287755.42	39°20'42.5033"N	80°41'9.5742"W	7079.46	346.871	1.84	0.53	-1.77	
14412.00	90.150	341.040	7251.69	7144.62	6984.03	-1639.55	1729159.78	14287844.99	39°20'43.3901"N	80°41'9.9717"W	7173.90	346.789	0.91	-0.07	0.91	
14601.00	90.710	340.720	7250.27	7333.60	7162.60	-1701.45	1729097.90	14288023.49	39°20'45.1571"N	80°41'10.7517"W	7361.92	346.637	0.34	0.30	-0.17	
14695.00	89.260	341.360	7250.30	7427.59	7251.50	-1731.99	1729067.38	14288112.35	39°20'46.0367"N	80°41'11.1366"W	7455.47	346.567	1.69	-1.54	0.68	
14790.00	90.920	339.310	7250.15	7522.56	7340.95	-1763.96	1729035.42	14288201.77	39°20'46.9219"N	80°41'11.5395"W	7549.91	346.489	2.78	1.75	-2.16	
14884.00	88.860	340.910	7250.33	7616.52	7429.34	-1795.94	1729003.46	14288290.12	39°20'47.7966"N	80°41'11.9426"W	7643.32	346.410	2.77	-2.19	1.70	
14979.00	91.360	340.800	7250.15	7711.50	7519.07	-1827.09	1728972.32	14288379.82	39°20'48.6846"N	80°41'12.3352"W	7737.88	346.342	2.63	2.63	-0.12	
15074.00	89.110	338.950	7249.76	7806.45	7608.26	-1859.77	1728939.65	14288468.98	39°20'49.5672"N	80°41'12.7473"W	7832.27	346.264	3.07	-2.37	-1.95	
15169.00	90.580	341.820	7250.01	7901.41	7697.74	-1891.66	1728907.77	14288558.42	39°20'50.4526"N	80°41'13.1492"W	7926.76	346.194	3.39	1.55	3.02	
15263.00	88.980	340.910	7250.38	7995.41	7786.81	-1921.70	1728877.75	14288647.45	39°20'51.3340"N	80°41'13.5276"W	8020.43	346.137	1.96	-1.70	-0.97	
15358.00	91.170	340.920	7250.25	8090.39	7876.58	-1952.76	1728846.70	14288737.19	39°20'52.2223"N	80°41'13.9190"W	8115.03	346.076	2.31	2.31	0.01	
15453.00	88.920	341.160	7250.18	8185.38	7966.42	-1983.62	1728815.85	14288826.99	39°20'53.1113"N	80°41'14.3079"W	8209.66	346.018	2.38	-2.37	0.25	

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Peter Unit 2H AWP Proj: 15793'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

WELLPATH DATA (185 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
15547.00	90.740	340.750	7250.46	8279.37	8055.27	-2014.29	1728785.19	14288915.81	39°20'53.9905"N	80°41'14.6945"W	8303.30	345.961	1.98	1.94	-0.44	
15642.00	88.490	340.410	7251.09	8374.35	8144.86	-2045.88	1728753.62	14289005.36	39°20'54.8770"N	80°41'15.0925"W	8397.87	345.900	2.40	-2.37	-0.36	
15737.00	91.540	341.890	7251.07	8469.33	8234.75	-2076.57	1728722.94	14289095.21	39°20'55.7665"N	80°41'15.4792"W	8492.54	345.847	3.57	3.21	1.56	
15768.00	90.860	339.730	7250.42	8500.32	8264.02	-2086.75	1728712.76	14289124.47	39°20'56.0562"N	80°41'15.6076"W	8523.41	345.828	7.30	-2.19	-6.97	
15793.00‡	90.860	339.730	7250.04	8525.30	8287.47	-2095.41	1728704.10	14289147.91	39°20'56.2882"N	80°41'15.7168"W	8548.27	345.811	0.00	0.00	0.00	Projected MD at TD: 15793'

HOLE & CASING SECTIONS - Ref Wellbore: Peter Unit 2H AWB Ref Wellpath: Peter Unit 2H AWP Proj: 15793'

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	129.99	0.00	0.00	1.09	0.03
17.5in Open Hole	130.00	910.00	780.00	129.99	909.98	1.09	0.03	-1.73	-1.95
13.375in Casing Surface	30.00	890.00	860.00	30.00	889.98	0.00	0.00	-1.52	-1.94
12.25in Open Hole	910.00	3306.00	2396.00	909.98	3301.28	-1.73	-1.95	-34.16	98.25
9.625in Casing Intermediate	30.00	3286.00	3256.00	30.00	3281.29	0.00	0.00	-33.95	98.46
8.75in Open Hole	3306.00	6422.00	3116.00	3301.28	6375.14	-34.16	98.25	-114.29	579.93
8.5in Open Hole	6422.00	15793.00	9371.00	6375.14	7250.04	-114.29	579.93	8287.47	-2095.41
5.5in Casing Production	30.00	15773.00	15743.00	30.00	7250.34	0.00	0.00	8268.71	-2088.48

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Peter Unit 2H AWP Proj: 15793'

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Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Peter Unit 2H POE Rev-2	7187.00	365.62	550.55	1731349.02	14281229.18	39°19'37.9004"N	80°40'42.3947"W	point
Peter Unit 2H LP Rev-2	7235.00	604.38	471.17	1731269.67	14281467.84	39°19'40.2629"N	80°40'43.3940"W	point
Peter Unit 2H BHL Rev-2	7305.73	8294.93	-2085.79	1728713.72	14289155.37	39°20'56.3616"N	80°41'15.5940"W	point
Peter Unit 2H 50' L/R Hard Line	7500.00	4330.28	-767.62	1730031.37	14285192.28	39°20'17.1314"N	80°40'58.9918"W	rectangle
2D Rectangle 8356.09 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Peter Unit 2H AWB Ref Wellpath: Peter Unit 2H AWP Proj: 15793'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	919.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (50'-919')	Peter Unit 2H AWB	10/22/2022
919.00	3231.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (919')(951'-3231')	Peter Unit 2H AWB	10/22/2022
3231.00	6348.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3231')(3318'-6348')	Peter Unit 2H AWB	12/11/2022
6348.00	15793.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (6348')(6468'-15768')	Peter Unit 2H AWB	12/11/2022

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Peter Unit 2H
Field	Doddridge	API	47-017-06934-0000
Facility	Lemley Pad	Wellbore	Peter Unit 2H AWB
Slot	Slot E		

COMMENTS

Wellpath general comments

API: 47-017-06934-0000
BH Job #: 111534757
Rig: H&P 531
Duration: 12/13/2022-12/16/2022
Gyrodata MS Gyro <17-1/2"> (50'-919')
APS EM <12-1/4"> (919')(951'-3231')
APS EM <8-3/4"> (3231')(3318'-6348')
BH AT Curve <8-1/2"> (6348')(6468'-15768')
Sycamore: 6830' MD
Middlesex: 7001' MD
Burkett: 7216' MD
Tully: 7267' MD
Hamilton: 7381' MD
Marcellus POE: 7444' MD
Projected MD at TD: 15793'

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