



ANTERO RESOURCES CORPORATION



Location: Wetzel County, WV
Field: Wetzel
Facility: Dogwood Pad

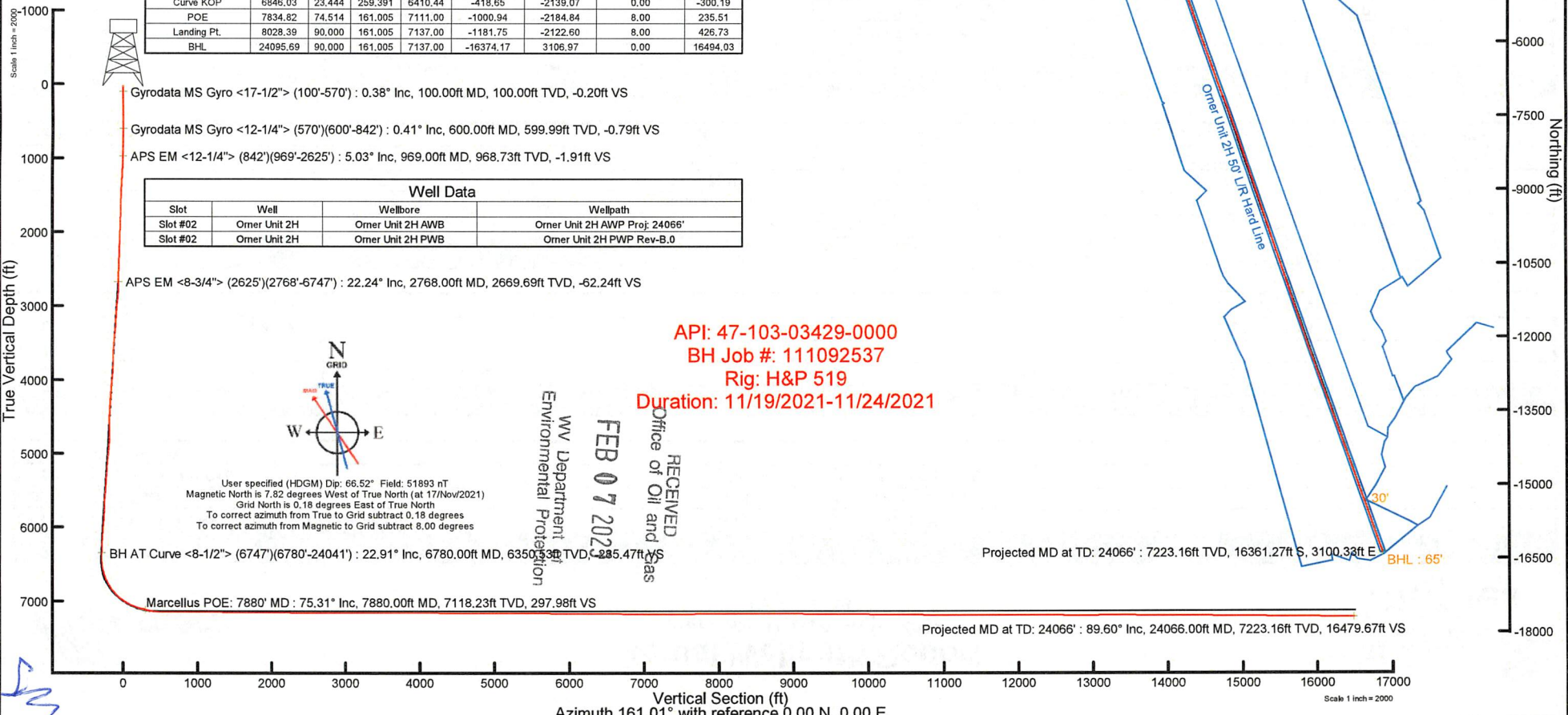
Slot: Slot #02
Well: Orner Unit 2H
Wellbore: Orner Unit 2H PWB

Plot reference wellpath is Orner Unit 2H PWP Rev-B.0	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: 1338 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot #02): -1308 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edusanyar on 2021-12-30; Database: WA_MPL_EASTERNUS_Defn

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Dogwood Pad	1718075.750	14353709.890	39°31'34.9750"N	80°43'28.5500"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot #02	15.08	0.43	1718076.180	14353724.960	39°31'35.1240"N
Comment: Orner Unit 2H					
H&P 519 (RKB) to Ground level (At Slot: Slot #02)					30ft
Mean Sea Level to Ground level (At Slot: Slot #02)					-1308ft
H&P 519 (RKB) to Mean Sea Level					1338ft

Well Profile Data								
Design Comment	MD (ft)	Inc. (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	2625.00	23.490	256.030	2537.91	-105.19	-489.22	0.72	-59.73
Proj. to Bottom	2698.00	23.490	256.030	2604.86	-112.21	-517.46	0.00	-62.28
Drill Out	2778.00	23.490	256.030	2678.23	-119.91	-548.40	0.00	-65.07
End of 3D Arc	2844.95	23.444	259.391	2739.65	-125.58	-574.44	2.00	-68.18
Curve KOP	6846.03	23.444	259.391	6410.44	-418.65	-2139.07	0.00	-300.19
POE	7834.82	74.514	161.005	7111.00	-1000.94	-2184.84	8.00	235.51
Landing Pt.	8028.39	90.000	161.005	7137.00	-1181.75	-2122.60	8.00	426.73
BHL	24095.69	90.000	161.005	7137.00	-16374.17	3106.97	0.00	16494.03

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #02	Orner Unit 2H	Orner Unit 2H AWP	Orner Unit 2H AWP Proj: 24066°
Slot #02	Orner Unit 2H	Orner Unit 2H PWB	Orner Unit 2H PWP Rev-B.0



API: 47-103-03429-0000
BH Job #: 111092537
Rig: H&P 519
Duration: 11/19/2021-11/24/2021

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User specified (HDGM) Dip: 66.52° Field: 51893 nT
Magnetic North is 7.82 degrees West of True North (at 17/Nov/2021)
Grid North is 0.18 degrees East of True North
To correct azimuth from True to Grid subtract 0.18 degrees
To correct azimuth from Magnetic to Grid subtract 8.00 degrees

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Vertical Section (ft)
Azimuth 161.01° with reference 0.00 N, 0.00 E

Scale 1 inch = 2000



Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999607	Report Generated	30/Dec/2021 at 21:48
Convergence at slot	0.18° 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	15.08	0.43	1718076.18	14353724.96	39°31'35.1240"N	80°43'28.5440"W
Facility Reference Pt			1718075.75	14353709.89	39°31'34.9750"N	80°43'28.5500"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	1338.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1338.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot #02)	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	161.01°



Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 stations) † = 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]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
0.00	0.00	12.260	0.00	0.00	0.00	0.00	1718076.18	14353724.96	39°31'35.1240"N	80°43'28.5440"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	12.260	30.00	0.00	0.00	0.00	1718076.18	14353724.96	39°31'35.1240"N	80°43'28.5440"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.380	12.260	100.00	-0.20	0.23	0.05	1718076.23	14353725.19	39°31'35.1263"N	80°43'28.5433"W	0.23	12.260	0.54	0.54	0.00	Gyrodata MS Gyro <17-1/2"> (100'-570')
200.00	0.380	12.370	200.00	-0.77	0.87	0.19	1718076.37	14353725.83	39°31'35.1327"N	80°43'28.5415"W	0.90	12.301	0.00	0.00	0.11	
300.00	0.250	39.840	300.00	-1.16	1.37	0.40	1718076.58	14353726.33	39°31'35.1375"N	80°43'28.5388"W	1.42	16.379	0.20	-0.13	27.47	
400.00	0.390	88.610	399.99	-1.17	1.54	0.88	1718077.06	14353726.50	39°31'35.1392"N	80°43'28.5327"W	1.78	29.757	0.29	0.14	48.77	
500.00	0.410	90.860	499.99	-0.95	1.54	1.58	1718077.76	14353726.50	39°31'35.1393"N	80°43'28.5237"W	2.21	45.636	0.03	0.02	2.25	
570.00	0.360	88.780	569.99	-0.79	1.55	2.05	1718078.23	14353726.51	39°31'35.1392"N	80°43'28.5177"W	2.57	52.980	0.07	-0.07	-2.97	
600.00	0.410	60.450	599.99	-0.79	1.60	2.24	1718078.42	14353726.56	39°31'35.1398"N	80°43'28.5154"W	2.75	54.419	0.65	0.17	-94.43	Gyrodata MS Gyro <12-1/4"> (570')(600'-842')
700.00	0.440	71.640	699.99	-0.85	1.90	2.91	1718079.09	14353726.86	39°31'35.1427"N	80°43'28.5067"W	3.48	56.912	0.09	0.03	11.19	
800.00	0.980	260.210	799.98	-0.98	1.87	2.43	1718078.61	14353726.83	39°31'35.1425"N	80°43'28.5128"W	3.07	52.420	1.42	0.54	-171.43	
842.00	1.760	257.820	841.97	-1.11	1.68	1.45	1718077.63	14353726.64	39°31'35.1406"N	80°43'28.5254"W	2.22	40.863	1.86	1.86	-5.69	
969.00	5.030	256.810	968.73	-1.91	-0.01	-5.88	1718070.30	14353724.95	39°31'35.1242"N	80°43'28.6190"W	5.88	269.943	2.58	2.57	-0.80	APS EM <12-1/4"> (842')(969'-2625')
1059.00	6.450	261.480	1058.28	-3.22	-1.66	-14.72	1718061.47	14353723.31	39°31'35.1081"N	80°43'28.7319"W	14.81	263.585	1.66	1.58	5.19	
1153.00	8.110	268.250	1151.52	-6.15	-2.64	-26.57	1718049.62	14353722.32	39°31'35.0987"N	80°43'28.8831"W	26.70	264.326	1.98	1.77	7.20	
1248.00	9.720	268.320	1245.37	-10.52	-3.08	-41.28	1718034.91	14353721.88	39°31'35.0948"N	80°43'29.0709"W	41.40	265.734	1.69	1.69	0.07	
1342.00	11.180	269.400	1337.81	-15.76	-3.41	-58.33	1718017.87	14353721.55	39°31'35.0921"N	80°43'29.2885"W	58.43	266.656	1.57	1.55	1.15	
1437.00	12.390	264.430	1430.80	-21.03	-4.49	-77.68	1717998.53	14353720.47	39°31'35.0820"N	80°43'29.5355"W	77.81	266.689	1.66	1.27	-5.23	
1532.00	13.860	259.820	1523.32	-25.14	-7.49	-99.03	1717977.19	14353717.47	39°31'35.0530"N	80°43'29.8080"W	99.31	265.672	1.90	1.55	-4.85	
1626.00	15.820	258.010	1614.18	-28.42	-12.15	-122.65	1717953.58	14353712.82	39°31'35.0077"N	80°43'30.1096"W	123.25	264.344	2.14	2.09	-1.93	
1721.00	17.960	253.850	1705.08	-30.73	-18.91	-149.39	1717926.85	14353706.06	39°31'34.9416"N	80°43'30.4511"W	150.58	262.785	2.59	2.25	-4.38	
1815.00	20.110	254.220	1793.94	-32.35	-27.34	-178.86	1717897.39	14353697.63	39°31'34.8592"N	80°43'30.8276"W	180.94	261.310	2.29	2.29	0.39	
1910.00	21.770	255.280	1882.66	-34.58	-36.26	-211.62	1717864.65	14353688.72	39°31'34.7721"N	80°43'31.2460"W	214.70	260.278	1.79	1.75	1.12	
2005.00	23.430	257.810	1970.37	-38.13	-44.72	-247.12	1717829.16	14353680.26	39°31'34.6895"N	80°43'31.6994"W	251.14	259.742	2.02	1.75	2.66	
2100.00	23.660	256.400	2057.46	-42.15	-53.19	-284.11	1717792.18	14353671.79	39°31'34.6069"N	80°43'32.1717"W	289.05	259.396	0.64	0.24	-1.48	
2194.00	23.200	254.510	2143.71	-45.06	-62.57	-320.29	1717756.02	14353662.41	39°31'34.5153"N	80°43'32.6338"W	326.34	258.946	0.94	-0.49	-2.01	
2289.00	23.690	256.730	2230.87	-48.10	-71.95	-356.90	1717719.42	14353653.04	39°31'34.4237"N	80°43'33.1013"W	364.08	258.602	1.06	0.52	2.34	
2384.00	24.020	255.340	2317.75	-51.46	-81.23	-394.18	1717682.16	14353643.77	39°31'34.3331"N	80°43'33.5774"W	402.46	258.356	0.69	0.35	-1.46	
2478.00	24.450	255.240	2403.47	-54.34	-91.02	-431.50	1717644.85	14353633.97	39°31'34.2374"N	80°43'34.0541"W	440.99	258.088	0.46	0.46	-0.11	
2573.00	23.590	256.930	2490.24	-57.75	-100.33	-469.03	1717607.34	14353624.67	39°31'34.1466"N	80°43'34.5334"W	479.64	257.926	1.16	-0.91	1.78	

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Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	
2625.00	23.490	256.030	2537.91	-59.73	-105.19	-489.22	1717587.15	14353619.82	39°31'34.0992"N	80°43'34.7912"W	500.40	257.866	0.72	-0.19	-1.73	
2768.00	22.240	251.030	2669.69	-62.24	-120.87	-542.47	1717533.92	14353604.14	39°31'33.9458"N	80°43'35.4715"W	555.78	257.439	1.61	-0.87	-3.50	APS EM <8-3/4"> (2625')(2768'-6747')
2863.00	24.050	254.060	2757.04	-63.27	-132.03	-578.09	1717498.31	14353592.99	39°31'33.8366"N	80°43'35.9264"W	592.98	257.135	2.28	1.91	3.19	
2958.00	25.450	258.920	2843.32	-67.11	-141.27	-616.75	1717459.68	14353583.75	39°31'33.7464"N	80°43'36.4200"W	632.72	257.099	2.60	1.47	5.12	
3053.00	26.360	263.430	2928.78	-74.46	-147.60	-657.73	1717418.71	14353577.41	39°31'33.6850"N	80°43'36.9434"W	674.09	257.352	2.28	0.96	4.75	
3146.00	25.650	261.350	3012.37	-82.51	-152.99	-698.15	1717378.31	14353572.03	39°31'33.6330"N	80°43'37.4593"W	714.71	257.639	1.24	-0.76	-2.24	
3242.00	25.290	258.220	3099.04	-88.81	-160.31	-738.76	1717337.71	14353564.72	39°31'33.5619"N	80°43'37.9779"W	755.96	257.757	1.45	-0.37	-3.26	
3339.00	24.940	255.610	3186.87	-93.06	-169.62	-778.86	1717297.63	14353555.41	39°31'33.4711"N	80°43'38.4899"W	797.11	257.714	1.20	-0.36	-2.69	
3434.00	24.250	259.530	3273.26	-97.55	-178.14	-817.44	1717259.06	14353546.89	39°31'33.3880"N	80°43'38.9827"W	836.63	257.706	1.86	-0.73	4.13	
3528.00	24.290	265.790	3358.97	-105.35	-183.07	-855.71	1717220.80	14353541.96	39°31'33.3404"N	80°43'39.4713"W	875.08	257.924	2.74	0.04	6.66	
3623.00	23.320	264.750	3445.88	-114.80	-186.22	-893.93	1717182.61	14353538.81	39°31'33.3104"N	80°43'39.9590"W	913.12	258.232	1.11	-1.02	-1.09	
3718.00	21.340	261.100	3533.76	-122.29	-190.62	-929.73	1717146.81	14353534.41	39°31'33.2680"N	80°43'40.4161"W	949.07	258.413	2.54	-2.08	-3.84	
3813.00	19.590	256.420	3622.77	-126.82	-197.03	-962.30	1717114.26	14353528.00	39°31'33.2056"N	80°43'40.8319"W	982.26	258.428	2.52	-1.84	-4.93	
3907.00	20.890	254.850	3710.96	-129.43	-205.12	-993.79	1717082.78	14353519.93	39°31'33.1267"N	80°43'41.2342"W	1014.74	258.338	1.50	1.38	-1.67	
4002.00	23.220	254.900	3799.00	-131.84	-214.42	-1028.23	1717048.36	14353510.62	39°31'33.0357"N	80°43'41.6740"W	1050.35	258.221	2.45	2.45	0.05	
4096.00	24.670	258.720	3884.92	-135.73	-223.09	-1065.36	1717011.24	14353501.96	39°31'32.9512"N	80°43'42.1482"W	1088.47	258.173	2.26	1.54	4.06	
4191.00	25.350	263.390	3971.02	-142.75	-229.31	-1105.01	1716971.61	14353495.74	39°31'32.8909"N	80°43'42.6544"W	1128.55	258.277	2.20	0.72	4.92	
4285.00	24.420	262.460	4056.29	-150.92	-234.17	-1144.26	1716932.37	14353490.88	39°31'32.8440"N	80°43'43.1555"W	1167.98	258.434	1.07	-0.99	-0.99	
4380.00	23.070	259.430	4143.25	-157.54	-240.16	-1182.03	1716894.62	14353484.89	39°31'32.7859"N	80°43'43.6377"W	1206.18	258.515	1.91	-1.42	-3.19	
4475.00	22.060	262.530	4230.98	-163.83	-245.90	-1218.02	1716858.64	14353479.16	39°31'32.7303"N	80°43'44.0972"W	1242.59	258.586	1.64	-1.06	3.26	
4569.00	20.790	260.270	4318.48	-170.04	-251.01	-1251.97	1716824.71	14353474.05	39°31'32.6807"N	80°43'44.5306"W	1276.88	258.663	1.61	-1.35	-2.40	
4664.00	21.780	260.600	4407.00	-175.69	-256.74	-1285.97	1716790.72	14353468.32	39°31'32.6251"N	80°43'44.9648"W	1311.35	258.709	1.05	1.04	0.35	
4759.00	19.760	255.390	4495.83	-179.85	-263.67	-1318.91	1716757.80	14353461.39	39°31'32.5576"N	80°43'45.3853"W	1345.00	258.695	2.88	-2.13	-5.48	
4853.00	20.060	250.610	4584.21	-180.96	-273.03	-1349.49	1716727.22	14353452.03	39°31'32.4660"N	80°43'45.7760"W	1376.83	258.562	1.76	0.32	-5.09	
4948.00	21.830	253.180	4672.94	-181.51	-283.55	-1381.77	1716694.96	14353441.52	39°31'32.3630"N	80°43'46.1883"W	1410.56	258.403	2.10	1.86	2.71	
5043.00	23.740	252.610	4760.52	-182.71	-294.38	-1416.93	1716659.81	14353430.69	39°31'32.2570"N	80°43'46.6374"W	1447.19	258.263	2.02	2.01	-0.60	
5137.00	24.630	255.760	4846.27	-184.86	-304.86	-1453.97	1716622.78	14353420.22	39°31'32.1546"N	80°43'47.1106"W	1485.59	258.158	1.67	0.95	3.35	
5232.00	24.890	261.120	4932.55	-190.01	-312.81	-1492.92	1716583.85	14353412.27	39°31'32.0771"N	80°43'47.6079"W	1525.34	258.166	2.38	0.27	5.64	
5327.00	24.730	266.130	5018.79	-198.71	-317.24	-1532.50	1716544.28	14353407.85	39°31'32.0345"N	80°43'48.1132"W	1564.99	258.305	2.22	-0.17	5.27	
5422.00	22.850	262.440	5105.72	-207.55	-321.01	-1570.62	1716506.18	14353404.08	39°31'31.9984"N	80°43'48.5997"W	1603.09	258.449	2.52	-1.98	-3.88	



Actual Wellpath Report

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Slot	Slot #02		

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[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	["/100ft]	["/100ft]	["/100ft]	
5516.00	22.490	261.250	5192.46	-214.36	-326.14	-1606.48	1716470.33	14353398.94	39°31'31.9487"N	80°43'49.0576"W	1639.25	258.524	0.62	-0.38	-1.27	
5611.00	23.920	262.680	5279.77	-221.49	-331.36	-1643.54	1716433.29	14353393.73	39°31'31.8982"N	80°43'49.5307"W	1676.61	258.601	1.62	1.51	1.51	
5706.00	22.860	258.890	5366.97	-227.91	-337.37	-1680.76	1716396.09	14353387.72	39°31'31.8399"N	80°43'50.0059"W	1714.28	258.650	1.94	-1.12	-3.99	
5800.00	23.410	258.940	5453.41	-232.99	-344.47	-1717.00	1716359.86	14353380.62	39°31'31.7708"N	80°43'50.4686"W	1751.21	258.656	0.59	0.59	0.05	
5895.00	25.420	261.280	5539.91	-239.23	-351.19	-1755.68	1716321.19	14353373.91	39°31'31.7056"N	80°43'50.9625"W	1790.46	258.688	2.35	2.12	2.46	
5990.00	25.190	259.630	5625.79	-245.90	-357.92	-1795.72	1716281.17	14353367.19	39°31'31.6403"N	80°43'51.4737"W	1831.04	258.728	0.78	-0.24	-1.74	
6084.00	23.450	253.420	5711.46	-249.68	-366.86	-1833.33	1716243.57	14353358.25	39°31'31.5531"N	80°43'51.9541"W	1869.68	258.684	3.29	-1.85	-6.61	
6179.00	23.950	254.980	5798.45	-251.81	-377.25	-1870.07	1716206.85	14353347.86	39°31'31.4514"N	80°43'52.4233"W	1907.74	258.595	0.84	0.53	1.64	
6273.00	25.690	259.760	5883.78	-256.23	-385.82	-1908.56	1716168.38	14353339.30	39°31'31.3679"N	80°43'52.9148"W	1947.16	258.572	2.82	1.85	5.09	
6368.00	23.790	261.000	5970.05	-262.69	-392.47	-1947.75	1716129.20	14353332.64	39°31'31.3032"N	80°43'53.4152"W	1986.90	258.607	2.07	-2.00	1.31	
6463.00	23.200	263.320	6057.18	-270.00	-397.65	-1985.26	1716091.70	14353327.47	39°31'31.2532"N	80°43'53.8941"W	2024.69	258.674	1.15	-0.62	2.44	
6557.00	21.870	259.540	6144.00	-276.55	-402.98	-2020.87	1716056.11	14353322.14	39°31'31.2016"N	80°43'54.3487"W	2060.66	258.723	2.09	-1.41	-4.02	
6652.00	21.420	256.290	6232.31	-280.77	-410.31	-2055.12	1716021.87	14353314.82	39°31'31.1302"N	80°43'54.7861"W	2095.68	258.709	1.35	-0.47	-3.42	
6747.00	23.260	257.010	6320.17	-284.33	-418.63	-2090.26	1715986.75	14353306.49	39°31'31.0489"N	80°43'55.2348"W	2131.77	258.675	1.96	1.94	0.76	
6780.00	22.910	255.100	6350.53	-285.47	-421.75	-2102.82	1715974.20	14353303.38	39°31'31.0185"N	80°43'55.3951"W	2144.69	258.659	2.50	-1.06	-5.79	BH AT Curve <8-1/2"> (6747')(6780'-24041')
6837.00	23.070	254.300	6403.00	-286.90	-427.63	-2124.29	1715952.73	14353297.50	39°31'30.9610"N	80°43'55.6694"W	2166.90	258.618	0.62	0.28	-1.40	
6931.00	23.170	239.140	6489.53	-284.15	-442.11	-2157.92	1715919.11	14353283.03	39°31'30.8189"N	80°43'56.0991"W	2202.75	258.422	6.32	0.11	-16.13	
7026.00	24.860	218.810	6576.46	-269.64	-467.30	-2186.53	1715890.51	14353257.85	39°31'30.5708"N	80°43'56.4652"W	2235.91	257.936	8.85	1.78	-21.40	
7121.00	27.510	205.940	6661.77	-243.44	-502.63	-2208.67	1715868.38	14353222.53	39°31'30.2223"N	80°43'56.7490"W	2265.14	257.180	6.58	2.79	-13.55	
7216.00	31.300	198.730	6744.54	-208.36	-545.75	-2226.20	1715850.86	14353179.42	39°31'29.7965"N	80°43'56.9744"W	2292.12	256.226	5.45	3.99	-7.59	
7252.00†	33.383	195.002	6774.96	-192.75	-564.18	-2231.77	1715845.29	14353161.00	39°31'29.6146"N	80°43'57.0461"W	2301.98	255.813	8.01	5.79	-10.36	Sycamore: 7252' MD
7310.00	36.940	189.810	6822.38	-164.23	-596.79	-2238.87	1715838.19	14353128.41	39°31'29.2925"N	80°43'57.1380"W	2317.05	255.074	8.01	6.13	-8.95	
7405.00	43.610	180.170	6894.89	-108.15	-657.81	-2243.84	1715833.22	14353067.41	39°31'28.6896"N	80°43'57.2038"W	2338.28	253.661	9.59	7.02	-10.15	
7419.00†	44.617	179.139	6904.94	-98.92	-667.55	-2243.78	1715833.28	14353057.67	39°31'28.5933"N	80°43'57.2034"W	2340.98	253.432	8.83	7.19	-7.36	Middlesex: 7419' MD
7500.00	50.600	173.820	6959.55	-41.29	-727.18	-2239.98	1715837.08	14352998.06	39°31'28.0038"N	80°43'57.1571"W	2355.06	252.015	8.83	7.39	-6.57	
7589.00†	57.414	168.969	7011.84	29.49	-798.29	-2229.09	1715847.97	14352926.99	39°31'27.3008"N	80°43'57.0208"W	2367.72	250.296	8.83	7.66	-5.45	Burkett: 7589' MD
7595.00	57.880	168.670	7015.05	34.51	-803.26	-2228.11	1715848.95	14352922.02	39°31'27.2516"N	80°43'57.0085"W	2368.48	250.175	8.83	7.76	-4.98	
7655.00†	62.744	166.883	7044.76	86.25	-854.18	-2217.06	1715860.00	14352871.12	39°31'26.7480"N	80°43'56.8694"W	2375.91	248.930	8.51	8.11	-2.98	Tully: 7655' MD
7689.00	65.510	165.940	7059.59	116.71	-883.91	-2209.87	1715867.19	14352841.40	39°31'26.4540"N	80°43'56.7788"W	2380.08	248.199	8.51	8.14	-2.77	
7784.00	73.790	163.400	7092.61	205.51	-969.71	-2186.29	1715890.75	14352755.63	39°31'25.6053"N	80°43'56.4812"W	2391.70	246.081	9.07	8.72	-2.67	

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Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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
7879.00	75.240	162.290	7117.97	297.01	-1057.19	-2159.28	1715917.75	14352668.19	39°31'24.7399"N	80°43'56.1399"W	2404.19	243.914	1.90	1.53	-1.17	
7880.00†	75.312	162.312	7118.23	297.98	-1058.11	-2158.99	1715918.04	14352667.27	39°31'24.7308"N	80°43'56.1361"W	2404.34	243.891	7.46	7.15	2.20	Marcellus POE: 7880' MD
7973.00	81.970	164.310	7136.53	389.03	-1145.40	-2132.84	1715944.18	14352580.02	39°31'23.8674"N	80°43'55.8057"W	2420.94	241.763	7.46	7.16	2.15	
8068.00	88.310	163.550	7144.58	483.51	-1236.31	-2106.65	1715970.36	14352489.14	39°31'22.9681"N	80°43'55.4750"W	2442.63	239.593	6.72	6.67	-0.80	
8162.00	89.910	158.630	7146.04	577.47	-1325.19	-2076.20	1716000.80	14352400.29	39°31'22.0887"N	80°43'55.0898"W	2463.07	237.451	5.50	1.70	-5.23	
8257.00	89.750	159.000	7146.32	672.40	-1413.77	-2041.87	1716035.12	14352311.75	39°31'21.2122"N	80°43'54.6550"W	2483.54	235.302	0.42	-0.17	0.39	
8351.00	89.660	160.640	7146.81	766.37	-1502.00	-2009.44	1716067.53	14352223.55	39°31'20.3393"N	80°43'54.2446"W	2508.76	233.223	1.75	-0.10	1.74	
8446.00	89.600	159.870	7147.42	861.36	-1591.41	-1977.35	1716099.61	14352134.18	39°31'19.4547"N	80°43'53.8385"W	2538.21	231.172	0.81	-0.06	-0.81	
8541.00	89.480	159.870	7148.18	956.34	-1680.60	-1944.65	1716132.29	14352045.02	39°31'18.5722"N	80°43'53.4247"W	2570.24	229.166	0.13	-0.13	0.00	
8635.00	89.660	160.460	7148.89	1050.33	-1769.03	-1912.76	1716164.18	14351956.63	39°31'17.6974"N	80°43'53.0211"W	2605.40	227.236	0.66	0.19	0.63	
8730.00	89.660	160.530	7149.45	1145.32	-1858.57	-1881.04	1716195.88	14351867.12	39°31'16.8114"N	80°43'52.6197"W	2644.35	225.344	0.07	0.00	0.07	
8825.00	89.450	161.030	7150.19	1240.32	-1948.27	-1849.77	1716227.14	14351777.46	39°31'15.9240"N	80°43'52.2241"W	2686.52	223.514	0.57	-0.22	0.53	
8920.00	89.450	159.560	7151.10	1335.30	-2037.70	-1817.74	1716259.16	14351688.06	39°31'15.0391"N	80°43'51.8188"W	2730.64	221.735	1.55	0.00	-1.55	
9014.00	89.570	161.440	7151.90	1429.29	-2126.30	-1786.36	1716290.52	14351599.50	39°31'14.1626"N	80°43'51.4218"W	2777.10	220.034	2.00	0.13	2.00	
9109.00	89.050	160.200	7153.05	1524.28	-2216.02	-1755.16	1716321.72	14351509.81	39°31'13.2749"N	80°43'51.0270"W	2826.89	218.380	1.42	-0.55	-1.31	
9204.00	89.630	160.670	7154.14	1619.27	-2305.53	-1723.34	1716353.52	14351420.34	39°31'12.3893"N	80°43'50.6245"W	2878.44	216.777	0.79	0.61	0.49	
9298.00	89.350	160.800	7154.98	1713.27	-2394.26	-1692.33	1716384.52	14351331.64	39°31'11.5115"N	80°43'50.2321"W	2931.98	215.254	0.33	-0.30	0.14	
9393.00	90.180	161.230	7155.37	1808.27	-2484.09	-1661.43	1716415.41	14351241.85	39°31'10.6227"N	80°43'49.8412"W	2988.49	213.776	0.98	0.87	0.45	
9487.00	89.540	160.770	7155.60	1902.26	-2572.97	-1630.82	1716446.00	14351153.00	39°31'9.7434"N	80°43'49.4541"W	3046.27	212.368	0.84	-0.68	-0.49	
9582.00	89.820	160.160	7156.13	1997.26	-2662.50	-1599.06	1716477.75	14351063.51	39°31'8.8576"N	80°43'49.0522"W	3105.79	210.988	0.71	0.29	-0.64	
9677.00	89.600	159.630	7156.61	2092.24	-2751.71	-1566.40	1716510.40	14350974.34	39°31'7.9750"N	80°43'48.6389"W	3166.31	209.651	0.60	-0.23	-0.56	
9771.00	89.510	161.450	7157.34	2186.23	-2840.34	-1535.09	1716541.70	14350885.75	39°31'7.0982"N	80°43'48.2427"W	3228.62	208.389	1.94	-0.10	1.94	
9866.00	89.720	161.870	7157.98	2281.22	-2930.51	-1505.20	1716571.58	14350795.61	39°31'6.2061"N	80°43'47.8648"W	3294.46	207.186	0.49	0.22	0.44	
9961.00	89.450	162.600	7158.67	2376.19	-3020.97	-1476.21	1716600.55	14350705.18	39°31'5.3111"N	80°43'47.4984"W	3362.36	206.043	0.82	-0.28	0.77	
10055.00	89.480	161.130	7159.54	2470.18	-3110.30	-1446.96	1716629.79	14350615.89	39°31'4.4274"N	80°43'47.1285"W	3430.40	204.949	1.56	0.03	-1.56	
10150.00	89.720	161.590	7160.21	2565.17	-3200.31	-1416.59	1716660.15	14350525.91	39°31'3.5369"N	80°43'46.7445"W	3499.82	203.876	0.55	0.25	0.48	
10244.00	89.480	162.000	7160.86	2659.16	-3289.61	-1387.23	1716689.50	14350436.65	39°31'2.6535"N	80°43'46.3732"W	3570.14	202.865	0.51	-0.26	0.44	
10339.00	90.180	161.910	7161.15	2754.15	-3379.93	-1357.80	1716718.92	14350346.36	39°31'1.7599"N	80°43'46.0012"W	3642.47	201.887	0.74	0.74	-0.09	
10434.00	89.880	161.910	7161.10	2849.14	-3470.24	-1328.30	1716748.40	14350256.10	39°31'0.8665"N	80°43'45.6283"W	3715.77	200.945	0.32	-0.32	0.00	
10528.00	90.550	163.380	7160.74	2943.09	-3559.95	-1300.26	1716776.43	14350166.41	39°30'59.9790"N	80°43'45.2739"W	3789.98	200.065	1.72	0.71	1.56	



Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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
10623.00	89.940	162.550	7160.34	3038.04	-3650.78	-1272.43	1716804.25	14350075.62	39°30'59.0805"N	80°43'44.9223"W	3866.17	199.215	1.08	-0.64	-0.87	
10718.00	89.720	162.100	7160.62	3133.01	-3741.30	-1243.59	1716833.08	14349985.14	39°30'58.1850"N	80°43'44.5578"W	3942.57	198.387	0.53	-0.23	-0.47	
10813.00	90.370	162.450	7160.54	3227.99	-3831.79	-1214.67	1716861.99	14349894.69	39°30'57.2898"N	80°43'44.1922"W	4019.70	197.588	0.78	0.68	0.37	
10907.00	89.350	160.990	7160.77	3321.98	-3921.04	-1185.18	1716891.46	14349805.47	39°30'56.4069"N	80°43'43.8194"W	4096.24	196.818	1.89	-1.09	-1.55	
11002.00	89.750	162.110	7161.52	3416.97	-4011.15	-1155.12	1716921.52	14349715.39	39°30'55.5153"N	80°43'43.4393"W	4174.16	196.065	1.25	0.42	1.18	
11097.00	90.090	162.640	7161.65	3511.94	-4101.69	-1126.36	1716950.27	14349624.89	39°30'54.6197"N	80°43'43.0758"W	4253.53	195.355	0.66	0.36	0.56	
11191.00	90.000	162.590	7161.58	3605.90	-4191.40	-1098.27	1716978.34	14349535.22	39°30'53.7322"N	80°43'42.7208"W	4332.90	194.683	0.11	-0.10	-0.05	
11286.00	89.140	159.540	7162.29	3700.89	-4281.24	-1067.45	1717009.15	14349445.41	39°30'52.8433"N	80°43'42.3310"W	4412.31	194.000	3.34	-0.91	-3.21	
11380.00	90.890	161.160	7162.27	3794.87	-4369.76	-1035.84	1717040.75	14349356.92	39°30'51.9675"N	80°43'41.9311"W	4490.86	193.336	2.54	1.86	1.72	
11475.00	89.480	160.540	7161.96	3889.87	-4459.50	-1004.68	1717071.90	14349267.22	39°30'51.0797"N	80°43'41.5370"W	4571.27	192.696	1.62	-1.48	-0.65	
11570.00	89.880	160.770	7162.49	3984.87	-4549.14	-973.21	1717103.36	14349177.62	39°30'50.1929"N	80°43'41.1389"W	4652.07	192.075	0.49	0.42	0.24	
11664.00	89.320	160.740	7163.15	4078.86	-4637.88	-942.23	1717134.33	14349088.91	39°30'49.3148"N	80°43'40.7470"W	4732.63	191.484	0.60	-0.60	-0.03	
11759.00	89.720	160.880	7163.94	4173.86	-4727.60	-911.00	1717165.54	14348999.23	39°30'48.4272"N	80°43'40.3521"W	4814.57	190.907	0.45	0.42	0.15	
11853.00	89.510	161.940	7164.58	4267.85	-4816.69	-881.04	1717195.49	14348910.17	39°30'47.5458"N	80°43'39.9732"W	4896.61	190.366	1.15	-0.22	1.13	
11948.00	89.380	160.640	7165.50	4362.85	-4906.67	-850.56	1717225.95	14348820.23	39°30'46.6556"N	80°43'39.5879"W	4979.84	189.834	1.38	-0.14	-1.37	
12043.00	89.750	161.360	7166.22	4457.84	-4996.49	-819.64	1717256.87	14348730.45	39°30'45.7670"N	80°43'39.1967"W	5063.27	189.316	0.85	0.39	0.76	
12137.00	89.380	160.700	7166.93	4551.84	-5085.38	-789.08	1717287.41	14348641.59	39°30'44.8875"N	80°43'38.8103"W	5146.23	188.820	0.80	-0.39	-0.70	
12232.00	90.120	161.050	7167.35	4646.84	-5175.13	-757.96	1717318.52	14348551.87	39°30'43.9995"N	80°43'38.4166"W	5230.34	188.332	0.86	0.78	0.37	
12326.00	89.970	161.260	7167.27	4740.84	-5264.09	-727.59	1717348.87	14348462.95	39°30'43.1194"N	80°43'38.0327"W	5314.14	187.869	0.27	-0.16	0.22	
12421.00	89.420	160.430	7167.78	4835.83	-5353.83	-696.42	1717380.03	14348373.24	39°30'42.2315"N	80°43'37.6384"W	5398.94	187.411	1.05	-0.58	-0.87	
12515.00	89.850	161.430	7168.38	4929.83	-5442.67	-665.71	1717410.73	14348284.44	39°30'41.3526"N	80°43'37.2500"W	5483.23	186.973	1.16	0.46	1.06	
12610.00	89.880	161.730	7168.60	5024.83	-5532.80	-635.69	1717440.74	14348194.34	39°30'40.4609"N	80°43'36.8705"W	5569.20	186.554	0.32	0.03	0.32	
12705.00	89.780	160.730	7168.88	5119.82	-5622.75	-605.13	1717471.29	14348104.43	39°30'39.5710"N	80°43'36.4840"W	5655.22	186.143	1.06	-0.11	-1.05	
12799.00	89.480	160.380	7169.49	5213.82	-5711.39	-573.83	1717502.57	14348015.83	39°30'38.6941"N	80°43'36.0882"W	5740.14	185.737	0.49	-0.32	-0.37	
12894.00	89.910	160.580	7169.99	5308.81	-5800.92	-542.09	1717534.30	14347926.33	39°30'37.8082"N	80°43'35.6867"W	5826.20	185.339	0.50	0.45	0.21	
12989.00	89.450	160.330	7170.52	5403.81	-5890.45	-510.31	1717566.07	14347836.84	39°30'36.9224"N	80°43'35.2847"W	5912.51	184.951	0.55	-0.48	-0.26	
13083.00	89.910	161.010	7171.05	5497.80	-5979.15	-479.20	1717597.17	14347748.18	39°30'36.0449"N	80°43'34.8911"W	5998.32	184.582	0.87	0.49	0.72	
13178.00	90.400	159.930	7170.79	5592.80	-6068.68	-447.44	1717628.92	14347658.68	39°30'35.1590"N	80°43'34.4894"W	6085.15	184.217	1.25	0.52	-1.14	
13273.00	89.850	160.720	7170.59	5687.79	-6158.13	-415.45	1717660.89	14347569.26	39°30'34.2740"N	80°43'34.0848"W	6172.13	183.860	1.01	-0.58	0.83	
13368.00	89.080	159.550	7171.47	5782.77	-6247.47	-383.17	1717693.16	14347479.96	39°30'33.3900"N	80°43'33.6764"W	6259.21	183.510	1.47	-0.81	-1.23	

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Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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
13462.00	89.450	160.440	7172.68	5876.75	-6335.79	-351.02	1717725.30	14347391.67	39°30'32.5162"N	80°43'33.2696"W	6345.51	183.171	1.03	0.39	0.95	
13557.00	89.780	160.840	7173.32	5971.74	-6425.42	-319.53	1717756.78	14347302.08	39°30'31.6294"N	80°43'32.8713"W	6433.36	182.847	0.55	0.35	0.42	
13652.00	89.910	160.500	7173.57	6066.74	-6515.06	-288.08	1717788.21	14347212.47	39°30'30.7425"N	80°43'32.4736"W	6521.43	182.532	0.38	0.14	-0.36	
13746.00	89.450	160.460	7174.10	6160.73	-6603.66	-256.67	1717819.61	14347123.91	39°30'29.8659"N	80°43'32.0764"W	6608.64	182.226	0.49	-0.49	-0.04	
13841.00	89.420	160.310	7175.04	6255.72	-6693.14	-224.78	1717851.48	14347034.46	39°30'28.9806"N	80°43'31.6730"W	6696.91	181.924	0.16	-0.03	-0.16	
13936.00	89.600	160.880	7175.85	6350.72	-6782.74	-193.22	1717883.03	14346944.90	39°30'28.0941"N	80°43'31.2738"W	6785.49	181.632	0.63	0.19	0.60	
14030.00	89.940	160.460	7176.23	6444.71	-6871.44	-162.11	1717914.14	14346856.23	39°30'27.2165"N	80°43'30.8803"W	6873.35	181.351	0.57	0.36	-0.45	
14125.00	89.820	160.540	7176.42	6539.71	-6960.99	-130.40	1717945.84	14346766.72	39°30'26.3305"N	80°43'30.4792"W	6962.21	181.073	0.15	-0.13	0.08	
14219.00	89.630	160.490	7176.88	6633.71	-7049.61	-99.04	1717977.18	14346678.14	39°30'25.4537"N	80°43'30.0826"W	7050.30	180.805	0.21	-0.20	-0.05	
14314.00	89.020	159.260	7177.99	6728.68	-7138.80	-66.36	1718009.85	14346588.98	39°30'24.5713"N	80°43'29.6691"W	7139.11	180.533	1.45	-0.64	-1.29	
14408.00	89.480	157.480	7179.23	6822.57	-7226.17	-31.71	1718044.48	14346501.65	39°30'23.7067"N	80°43'29.2305"W	7226.24	180.251	1.96	0.49	-1.89	
14503.00	89.350	160.080	7180.20	6917.48	-7314.71	2.67	1718078.85	14346413.14	39°30'22.8305"N	80°43'28.7954"W	7314.71	179.979	2.74	-0.14	2.74	
14597.00	90.520	160.760	7180.30	7011.47	-7403.28	34.17	1718110.33	14346324.61	39°30'21.9543"N	80°43'28.3969"W	7403.36	179.736	1.44	1.24	0.72	
14692.00	90.120	160.630	7179.77	7106.47	-7492.93	65.57	1718141.73	14346234.99	39°30'21.0672"N	80°43'27.9998"W	7493.22	179.499	0.44	-0.42	-0.14	
14787.00	90.180	160.800	7179.52	7201.47	-7582.60	96.95	1718173.09	14346145.35	39°30'20.1801"N	80°43'27.6030"W	7583.22	179.267	0.19	0.06	0.18	
14881.00	90.090	160.700	7179.30	7295.47	-7671.35	127.94	1718204.07	14346056.64	39°30'19.3020"N	80°43'27.2111"W	7672.41	179.045	0.14	-0.10	-0.11	
14976.00	89.940	159.120	7179.28	7390.45	-7760.56	160.57	1718236.69	14345967.46	39°30'18.4193"N	80°43'26.7983"W	7762.22	178.815	1.67	-0.16	-1.66	
15071.00	90.280	160.450	7179.09	7485.42	-7849.71	193.40	1718269.50	14345878.35	39°30'17.5372"N	80°43'26.3830"W	7852.09	178.589	1.45	0.36	1.40	
15165.00	90.250	160.330	7178.66	7579.42	-7938.26	224.94	1718301.04	14345789.84	39°30'16.6612"N	80°43'25.9840"W	7941.44	178.377	0.13	-0.03	-0.13	
15260.00	90.680	161.020	7177.89	7674.41	-8027.90	256.38	1718332.46	14345700.23	39°30'15.7742"N	80°43'25.5864"W	8031.99	178.171	0.86	0.45	0.73	
15355.00	90.770	161.130	7176.69	7769.40	-8117.76	287.19	1718363.26	14345610.41	39°30'14.8852"N	80°43'25.1969"W	8122.84	177.974	0.15	0.09	0.12	
15449.00	90.460	160.480	7175.68	7863.40	-8206.53	318.09	1718394.15	14345521.68	39°30'14.0069"N	80°43'24.8061"W	8212.69	177.780	0.77	-0.33	-0.69	
15544.00	89.720	160.510	7175.53	7958.39	-8296.07	349.81	1718425.85	14345432.16	39°30'13.1210"N	80°43'24.4050"W	8303.44	177.585	0.78	-0.78	0.03	
15638.00	89.720	160.390	7175.99	8052.39	-8384.65	381.27	1718457.30	14345343.62	39°30'12.2445"N	80°43'24.0072"W	8393.32	177.396	0.13	0.00	-0.13	
15733.00	89.850	160.600	7176.34	8147.38	-8474.20	412.99	1718489.00	14345254.11	39°30'11.3585"N	80°43'23.6060"W	8484.26	177.210	0.26	0.14	0.22	
15828.00	90.520	162.220	7176.04	8242.38	-8564.24	443.27	1718519.28	14345164.10	39°30'10.4677"N	80°43'23.2232"W	8575.70	177.037	1.85	0.71	1.71	
15923.00	90.550	162.290	7175.15	8337.35	-8654.72	472.22	1718548.22	14345073.66	39°30'9.5727"N	80°43'22.8574"W	8667.59	176.877	0.08	0.03	0.07	
16017.00	89.970	161.980	7174.72	8431.33	-8744.18	501.06	1718577.04	14344984.23	39°30'8.6876"N	80°43'22.4930"W	8758.53	176.720	0.70	-0.62	-0.33	
16112.00	90.030	161.900	7174.72	8526.32	-8834.50	530.51	1718606.48	14344893.95	39°30'7.7940"N	80°43'22.1209"W	8850.42	176.564	0.11	0.06	-0.08	
16207.00	89.850	161.690	7174.82	8621.31	-8924.75	560.19	1718636.15	14344803.74	39°30'6.9012"N	80°43'21.7458"W	8942.31	176.408	0.29	-0.19	-0.22	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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
16302.00	90.000	161.440	7174.95	8716.30	-9014.87	590.23	1718666.18	14344713.65	39°30'6.0095"N	80°43'21.3661"W	9034.17	176.254	0.31	0.16	-0.26	
16396.00	89.630	161.980	7175.25	8810.30	-9104.12	619.73	1718695.67	14344624.44	39°30'5.1266"N	80°43'20.9933"W	9125.19	176.106	0.70	-0.39	0.57	
16491.00	89.660	162.010	7175.84	8905.28	-9194.47	649.10	1718725.02	14344534.13	39°30'4.2327"N	80°43'20.6222"W	9217.35	175.962	0.04	0.03	0.03	
16585.00	89.380	161.910	7176.63	8999.26	-9283.84	678.21	1718754.12	14344444.79	39°30'3.3485"N	80°43'20.2544"W	9308.58	175.822	0.32	-0.30	-0.11	
16680.00	89.570	161.600	7177.50	9094.25	-9374.06	707.95	1718783.85	14344354.60	39°30'2.4560"N	80°43'19.8785"W	9400.76	175.681	0.38	0.20	-0.33	
16775.00	89.380	161.370	7178.37	9189.24	-9464.14	738.11	1718814.00	14344264.56	39°30'1.5648"N	80°43'19.4973"W	9492.88	175.541	0.31	-0.20	-0.24	
16869.00	90.060	161.790	7178.83	9283.24	-9553.32	767.81	1718843.69	14344175.41	39°30'0.6824"N	80°43'19.1219"W	9584.13	175.405	0.85	0.72	0.45	
16964.00	89.420	161.470	7179.26	9378.23	-9643.48	797.75	1718873.62	14344085.29	39°29'59.7905"N	80°43'18.7435"W	9676.42	175.271	0.75	-0.67	-0.34	
17059.00	89.510	161.490	7180.15	9473.22	-9733.56	827.93	1718903.78	14343995.25	39°29'58.8993"N	80°43'18.3621"W	9768.71	175.138	1.10	0.09	0.02	
17153.00	89.510	161.490	7180.95	9567.22	-9822.69	857.77	1718933.61	14343906.15	39°29'58.0174"N	80°43'17.9850"W	9860.07	175.009	0.00	0.00	0.00	
17248.00	89.510	161.690	7181.76	9662.21	-9912.83	887.77	1718963.60	14343816.05	39°29'57.1257"N	80°43'17.6058"W	9952.50	174.882	0.21	0.00	0.21	
17343.00	89.750	161.650	7182.38	9757.20	-10003.00	917.65	1718993.46	14343725.91	39°29'56.2335"N	80°43'17.2283"W	10045.01	174.759	0.26	0.25	-0.04	
17437.00	89.660	161.740	7182.86	9851.19	-10092.25	947.17	1719022.97	14343636.70	39°29'55.3506"N	80°43'16.8552"W	10136.60	174.638	0.14	-0.10	0.10	
17532.00	89.380	161.650	7183.66	9946.18	-10182.44	977.00	1719052.80	14343546.55	39°29'54.4583"N	80°43'16.4781"W	10229.20	174.519	0.31	-0.29	-0.09	
17627.00	89.230	161.240	7184.81	10041.17	-10272.49	1007.23	1719083.01	14343456.53	39°29'53.5674"N	80°43'16.0961"W	10321.75	174.400	0.46	-0.16	-0.43	
17721.00	89.420	161.550	7185.91	10135.16	-10361.57	1037.22	1719112.99	14343367.48	39°29'52.6860"N	80°43'15.7171"W	10413.36	174.284	0.39	0.20	0.33	
17816.00	89.660	161.540	7186.68	10230.16	-10451.68	1067.29	1719143.05	14343277.41	39°29'51.7945"N	80°43'15.3370"W	10506.04	174.169	0.25	0.25	-0.01	
17911.00	89.630	161.740	7187.27	10325.15	-10541.85	1097.22	1719172.96	14343187.28	39°29'50.9025"N	80°43'14.9589"W	10598.79	174.058	0.21	-0.03	0.21	
18006.00	89.540	161.610	7187.95	10420.14	-10632.03	1127.08	1719202.82	14343097.13	39°29'50.0103"N	80°43'14.5815"W	10691.60	173.949	0.17	-0.09	-0.14	
18101.00	89.380	162.260	7188.85	10515.12	-10722.34	1156.54	1719232.26	14343006.86	39°29'49.1168"N	80°43'14.2093"W	10784.53	173.844	0.70	-0.17	0.68	
18196.00	89.480	162.080	7189.79	10610.10	-10812.77	1185.63	1719261.34	14342916.46	39°29'48.2221"N	80°43'13.8418"W	10877.58	173.742	0.22	0.11	-0.19	
18290.00	89.320	161.600	7190.78	10704.08	-10902.08	1214.92	1719290.62	14342827.18	39°29'47.3385"N	80°43'13.4716"W	10969.57	173.641	0.54	-0.17	-0.51	
18385.00	89.380	161.420	7191.86	10799.07	-10992.17	1245.05	1719320.74	14342737.13	39°29'46.4472"N	80°43'13.0909"W	11062.46	173.538	0.20	0.06	-0.19	
18480.00	89.660	162.290	7192.65	10894.06	-11082.45	1274.63	1719350.31	14342646.89	39°29'45.5541"N	80°43'12.7171"W	11155.50	173.439	0.96	0.29	0.92	
18575.00	89.630	162.160	7193.24	10989.03	-11172.91	1303.63	1719379.30	14342556.47	39°29'44.6592"N	80°43'12.3508"W	11248.70	173.345	0.14	-0.03	-0.14	
18669.00	89.630	161.980	7193.85	11083.02	-11262.34	1332.57	1719408.23	14342467.07	39°29'43.7744"N	80°43'11.9852"W	11340.90	173.252	0.19	0.00	-0.19	
18764.00	89.320	160.560	7194.72	11178.01	-11352.30	1363.08	1719438.72	14342377.14	39°29'42.8843"N	80°43'11.5997"W	11433.84	173.153	1.53	-0.33	-1.49	
18859.00	89.690	161.530	7195.54	11273.00	-11442.15	1393.93	1719469.56	14342287.33	39°29'41.9954"N	80°43'11.2096"W	11526.74	173.054	1.09	0.39	1.02	
18953.00	89.780	162.070	7195.97	11366.99	-11531.44	1423.29	1719498.91	14342198.07	39°29'41.1120"N	80°43'10.8387"W	11618.95	172.964	0.58	0.10	0.57	
19048.00	89.570	161.500	7196.51	11461.98	-11621.68	1452.99	1719528.59	14342107.87	39°29'40.2192"N	80°43'10.4635"W	11712.16	172.874	0.64	-0.22	-0.60	

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Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 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
19143.00	89.510	161.890	7197.28	11556.97	-11711.87	1482.82	1719558.42	14342017.72	39°29'39.3269"N	80°43'10.0865"W	11805.37	172.784	0.42	-0.06	0.41	
19237.00	89.910	161.700	7197.75	11650.96	-11801.17	1512.19	1719587.77	14341928.46	39°29'38.4435"N	80°43'9.7154"W	11897.66	172.698	0.47	0.43	-0.20	
19332.00	90.710	161.840	7197.24	11745.95	-11891.39	1541.91	1719617.48	14341838.26	39°29'37.5508"N	80°43'9.3400"W	11990.94	172.612	0.85	0.84	0.15	
19427.00	90.030	162.100	7196.62	11840.94	-11981.73	1571.31	1719646.87	14341747.97	39°29'36.6571"N	80°43'8.9685"W	12084.32	172.529	0.77	-0.72	0.27	
19521.00	90.030	161.450	7196.57	11934.93	-12071.01	1600.71	1719676.26	14341658.72	39°29'35.7738"N	80°43'8.5971"W	12176.68	172.446	0.69	0.00	-0.69	
19616.00	90.000	160.580	7196.55	12029.93	-12160.84	1631.61	1719707.15	14341568.92	39°29'34.8850"N	80°43'8.2064"W	12269.81	172.358	0.92	-0.03	-0.92	
19711.00	89.970	160.140	7196.57	12124.92	-12250.32	1663.54	1719739.07	14341479.48	39°29'33.9997"N	80°43'7.8027"W	12362.75	172.267	0.46	-0.03	-0.46	
19805.00	89.720	160.270	7196.83	12218.91	-12338.76	1695.38	1719770.89	14341391.07	39°29'33.1246"N	80°43'7.4002"W	12454.69	172.176	0.30	-0.27	0.14	
19900.00	89.750	160.290	7197.27	12313.90	-12428.19	1727.43	1719802.93	14341301.68	39°29'32.2398"N	80°43'6.9949"W	12547.67	172.087	0.04	0.03	0.02	
19994.00	90.340	161.530	7197.19	12407.90	-12517.02	1758.18	1719833.66	14341212.89	39°29'31.3609"N	80°43'6.6063"W	12639.89	172.004	1.46	0.63	1.32	
20089.00	89.660	160.650	7197.19	12502.90	-12606.89	1788.96	1719864.44	14341123.05	39°29'30.4717"N	80°43'6.2172"W	12733.19	171.923	1.17	-0.72	-0.93	
20183.00	89.660	160.680	7197.75	12596.89	-12695.59	1820.08	1719895.55	14341034.39	39°29'29.5942"N	80°43'5.8237"W	12825.39	171.841	0.03	0.00	0.03	
20278.00	89.750	160.510	7198.24	12691.89	-12785.19	1851.65	1719927.10	14340944.82	39°29'28.7076"N	80°43'5.4247"W	12918.58	171.759	0.20	0.09	-0.18	
20373.00	89.820	160.700	7198.60	12786.89	-12874.80	1883.19	1719958.63	14340855.25	39°29'27.8210"N	80°43'5.0259"W	13011.79	171.678	0.21	0.07	0.20	
20467.00	89.690	160.600	7199.00	12880.88	-12963.48	1914.34	1719989.76	14340766.60	39°29'26.9435"N	80°43'4.6322"W	13104.07	171.600	0.17	-0.14	-0.11	
20562.00	90.220	160.560	7199.07	12975.88	-13053.08	1945.93	1720021.34	14340677.04	39°29'26.0570"N	80°43'4.2329"W	13197.33	171.521	0.56	0.56	-0.04	
20656.00	91.140	160.280	7197.96	13069.87	-13141.64	1977.43	1720052.82	14340588.52	39°29'25.1808"N	80°43'3.8347"W	13289.58	171.443	1.02	0.98	-0.30	
20751.00	89.750	160.350	7197.22	13164.86	-13231.08	2009.42	1720084.81	14340499.11	39°29'24.2958"N	80°43'3.4301"W	13382.80	171.364	1.47	-1.46	0.07	
20845.00	90.060	159.950	7197.38	13258.85	-13319.49	2041.34	1720116.72	14340410.73	39°29'23.4210"N	80°43'3.0265"W	13475.01	171.287	0.54	0.33	-0.43	
20940.00	90.250	161.100	7197.12	13353.84	-13409.06	2073.01	1720148.38	14340321.20	39°29'22.5349"N	80°43'2.6261"W	13568.35	171.212	1.23	0.20	1.21	
21035.00	89.630	160.760	7197.22	13448.84	-13498.84	2104.05	1720179.40	14340231.45	39°29'21.6465"N	80°43'2.2338"W	13661.84	171.141	0.74	-0.65	-0.36	
21130.00	89.780	160.480	7197.71	13543.84	-13588.46	2135.58	1720210.91	14340141.87	39°29'20.7598"N	80°43'1.8353"W	13755.25	171.068	0.33	0.16	-0.29	
21225.00	89.420	160.130	7198.37	13638.83	-13677.90	2167.59	1720242.92	14340052.47	39°29'19.8749"N	80°43'1.4306"W	13848.59	170.995	0.53	-0.38	-0.37	
21319.00	90.000	160.940	7198.85	13732.82	-13766.52	2198.91	1720274.23	14339963.87	39°29'18.9980"N	80°43'1.0346"W	13941.03	170.925	1.06	0.62	0.86	
21414.00	89.850	160.560	7198.97	13827.82	-13856.21	2230.24	1720305.53	14339874.22	39°29'18.1106"N	80°43'0.6387"W	14034.55	170.856	0.43	-0.16	-0.40	
21509.00	89.880	160.310	7199.20	13922.81	-13945.73	2262.05	1720337.33	14339784.74	39°29'17.2249"N	80°43'0.2366"W	14127.99	170.787	0.27	0.03	-0.26	
21604.00	89.420	160.770	7199.78	14017.81	-14035.30	2293.70	1720368.97	14339695.21	39°29'16.3387"N	80°42'59.8365"W	14221.48	170.719	0.68	-0.48	0.48	
21698.00	89.140	160.730	7200.96	14111.80	-14124.04	2324.69	1720399.95	14339606.51	39°29'15.4607"N	80°42'59.4448"W	14314.07	170.653	0.30	-0.30	-0.04	
21793.00	89.570	160.940	7202.03	14206.79	-14213.76	2355.87	1720431.12	14339516.81	39°29'14.5729"N	80°42'59.0507"W	14407.68	170.589	0.50	0.45	0.22	
21888.00	89.570	160.920	7202.74	14301.79	-14303.55	2386.91	1720462.15	14339427.06	39°29'13.6846"N	80°42'58.6584"W	14501.34	170.526	0.02	0.00	-0.02	



Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH DATA (264 stations) † = 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]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]		
21983.00	89.540	161.070	7203.48	14396.79	-14393.37	2417.84	1720493.07	14339337.28	39°29'12.7959"N	80°42'58.2674"W	14595.03	170.464	0.16	-0.03	0.16		
22078.00	89.880	161.190	7203.96	14491.79	-14483.26	2448.57	1720523.78	14339247.42	39°29'11.9065"N	80°42'57.8792"W	14688.78	170.404	0.38	0.36	0.13		
22172.00	89.540	160.720	7204.43	14585.78	-14572.11	2479.24	1720554.44	14339158.60	39°29'11.0274"N	80°42'57.4915"W	14781.51	170.344	0.62	-0.36	-0.50		
22267.00	89.850	160.550	7204.94	14680.78	-14661.74	2510.74	1720585.93	14339069.02	39°29'10.1406"N	80°42'57.0934"W	14875.16	170.283	0.37	0.33	-0.18		
22362.00	89.380	160.920	7205.58	14775.78	-14751.41	2542.09	1720617.26	14338979.37	39°29'9.2533"N	80°42'56.6972"W	14968.85	170.222	0.63	-0.49	0.39		
22456.00	89.540	160.850	7206.46	14869.77	-14840.23	2572.87	1720648.03	14338890.60	39°29'8.3746"N	80°42'56.3082"W	15061.61	170.164	0.19	0.17	-0.07		
22551.00	89.380	160.620	7207.36	14964.77	-14929.90	2604.21	1720679.36	14338800.95	39°29'7.4873"N	80°42'55.9121"W	15155.33	170.106	0.29	-0.17	-0.24		
22646.00	89.630	160.920	7208.18	15059.76	-15019.60	2635.50	1720710.63	14338711.29	39°29'6.5998"N	80°42'55.5167"W	15249.07	170.048	0.41	0.26	0.32		
22740.00	89.320	160.920	7209.04	15153.76	-15108.43	2666.22	1720741.35	14338622.50	39°29'5.7209"N	80°42'55.1284"W	15341.89	169.992	0.33	-0.33	0.00		
22835.00	89.200	160.660	7210.27	15248.75	-15198.13	2697.48	1720772.59	14338532.83	39°29'4.8334"N	80°42'54.7334"W	15435.66	169.936	0.30	-0.13	-0.27		
22930.00	89.380	160.970	7211.45	15343.74	-15287.85	2728.69	1720803.80	14338443.15	39°29'3.9457"N	80°42'54.3388"W	15529.46	169.880	0.38	0.19	0.33		
23024.00	89.290	160.890	7212.54	15437.74	-15376.69	2759.40	1720834.49	14338354.35	39°29'3.0668"N	80°42'53.9508"W	15622.32	169.826	0.13	-0.10	-0.09		
23119.00	89.540	160.570	7213.51	15532.73	-15466.36	2790.75	1720865.83	14338264.71	39°29'2.1795"N	80°42'53.5545"W	15716.13	169.772	0.43	0.26	-0.34		
23214.00	89.200	161.170	7214.55	15627.72	-15556.11	2821.88	1720896.95	14338175.00	39°29'1.2915"N	80°42'53.1611"W	15809.98	169.718	0.73	-0.36	0.63		
23309.00	89.600	161.120	7215.55	15722.72	-15646.00	2852.58	1720927.64	14338085.14	39°29'0.4021"N	80°42'52.7732"W	15903.92	169.667	0.42	0.42	-0.05		
23403.00	89.570	161.140	7216.23	15816.71	-15734.95	2882.99	1720958.03	14337996.23	39°28'59.5220"N	80°42'52.3891"W	15996.88	169.617	0.04	-0.03	0.02		
23498.00	89.600	160.850	7216.92	15911.71	-15824.77	2913.92	1720988.95	14337906.44	39°28'58.6334"N	80°42'51.9982"W	16090.81	169.567	0.31	0.03	-0.31		
23593.00	89.570	161.060	7217.60	16006.71	-15914.57	2944.92	1721019.94	14337816.68	39°28'57.7449"N	80°42'51.6065"W	16184.75	169.516	0.22	-0.03	0.22		
23687.00	89.050	160.460	7218.74	16100.70	-16003.31	2975.89	1721050.90	14337727.97	39°28'56.8669"N	80°42'51.2151"W	16277.65	169.466	0.84	-0.55	-0.64		
23782.00	89.320	160.980	7220.09	16195.69	-16092.97	3007.26	1721082.25	14337638.35	39°28'55.9797"N	80°42'50.8187"W	16371.54	169.415	0.62	0.28	0.55		
23877.00	89.350	160.820	7221.19	16290.68	-16182.74	3038.34	1721113.32	14337548.62	39°28'55.0916"N	80°42'50.4259"W	16465.49	169.366	0.17	0.03	-0.17		
23972.00	89.290	160.750	7222.32	16385.68	-16272.44	3069.60	1721144.57	14337458.95	39°28'54.2040"N	80°42'50.0308"W	16559.43	169.317	0.10	-0.06	-0.07		
24041.00	89.600	161.020	7222.98	16454.67	-16337.63	3092.20	1721167.16	14337393.79	39°28'53.5590"N	80°42'49.7453"W	16627.68	169.282	0.60	0.45	0.39		
24066.00‡	89.600	161.020	7223.16	16479.67	-16361.27	3100.33	1721175.28	14337370.15	39°28'53.3251"N	80°42'49.6426"W	16652.42	169.270	0.00	0.00	0.00	Projected MD at TD: 24066'	

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Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

HOLE & CASING SECTIONS - Ref Wellbore: Orner Unit 2H AWB Ref Wellpath: Orner Unit 2H AWP Proj: 24066'										
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	0.42	0.09	
17.5in Open Hole	130.00	682.00	552.00	130.00	681.99	0.42	0.09	1.85	2.78	
13.375in Casing Surface	30.00	662.00	632.00	30.00	661.99	0.00	0.00	1.80	2.64	
12.25in Open Hole	682.00	2698.00	2016.00	681.99	2605.03	1.85	2.78	-112.71	-516.92	
9.625in Casing Intermediate	30.00	2678.00	2648.00	30.00	2586.61	0.00	0.00	-110.55	-509.44	
8.75in Open Hole	2698.00	6811.00	4113.00	2605.03	6379.08	-112.71	-516.92	-424.90	-2114.49	
8.5in Open Hole	6811.00	24066.00	17255.00	6379.08	7223.16	-424.90	-2114.49	-16361.27	3100.33	
5.5in Casing Production	30.00	24046.00	24016.00	30.00	7223.02	0.00	0.00	-16342.36	3093.82	

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Orner Unit 2H POE Rev-2	7111.00	-1000.94	-2184.84	1715892.20	14352724.42	39°31'25.2966"N	80°43'56.4639"W	point
Orner Unit 2H BHL Rev-2	7137.00	-16374.17	3106.97	1721181.92	14337357.26	39°28'53.1974"N	80°42'49.5584"W	point
Orner Unit 2H LP Rev-2	7137.00	-1181.75	-2122.60	1715954.42	14352543.68	39°31'23.5078"N	80°43'55.6765"W	point
Orner Unit 2H 50' L/R Hard Line	7500.00	-8687.55	461.06	1718537.06	14345040.84	39°30'9.2485"N	80°43'23.0011"W	rectangle
2D Rectangle 16258.5 x 100.								



Actual Wellpath Report

Orner Unit 2H AWP Proj: 24066'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

WELLPATH COMPOSITION - Ref Wellbore: Orner Unit 2H AWB Ref Wellpath: Orner Unit 2H AWP Proj: 24066'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	570.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-570')	Orner Unit 2H AWB	01/Nov/2021
570.00	842.00	Gyrodata 2015 - GC+WIR+DPIPE	02_Gyrodata MS Gyro <12-1/4"> (570')(600'-842')	Orner Unit 2H AWB	03/Nov/2021
842.00	2625.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <12-1/4"> (842')(969'-2625')	Orner Unit 2H AWB	01/Nov/2021
2625.00	6747.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04_APS EM <8-3/4"> (2625')(2768'-6747')	Orner Unit 2H AWB	15/Nov/2021
6747.00	24066.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05_BH AT Curve <8-1/2"> (6747')(6780'-24041')	Orner Unit 2H AWB	15/Nov/2021

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Orner Unit 2H AWP Proj: 24066'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Orner Unit 2H
Field	Wetzel	API	47-103-03429-0000
Facility	Dogwood Pad	Wellbore	Orner Unit 2H AWB
Slot	Slot #02		

COMMENTS

Wellpath general comments

API: 47-103-03429-0000
BH Job #: 111092537
Rig: H&P 519
Duration: 11/19/2021-11/24/2021
Gyrodatta MS Gyro <17-1/2"> (100'-570')
Gyrodatta MS Gyro <12-1/4"> (570')(600'-842')
APS EM <12-1/4"> (842')(969'-2625')
APS EM <8-3/4"> (2625')(2768'-6747')
BH AT Curve <8-1/2"> (6747')(6780'-24041')
Sycamore: 7252' MD
Middlesex: 7419' MD
Burkett: 7589' MD
Tully: 7655' MD
Marcellus POE: 7880' MD
Projected MD at TD: 24066'