



Actual Wellpath Report

Chiselfinger Unit 2H AWP Proj: 19332'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Chiselfinger Unit 2H
Field	Wetzel	API	47-103-03557-0000	
Facility	Ingold Pad	Wellbore	Chiselfinger Unit 2H AWB	
Slot	Slot A			

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	5/30/2023 at 6:31:44 PM	
Convergence at slot	0.13° 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	0.00	0.00	1698814.58	14363571.79	39°33'12.9920"N	80°47'34.1600"W
Facility Reference Pt			1698814.58	14363571.79	39°33'12.9920"N	80°47'34.1600"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 317 (RKB) to Facility Vertical Datum	1280.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1280.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot A)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	340.93°

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Slot	Slot A				

WELLPATH DATA (210 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	337.750	0.00	0.00	0.00	0.00	1698814.58	14363571.79	39°33'12.9920"N	80°47'34.1600"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	337.750	25.50	0.00	0.00	0.00	1698814.58	14363571.79	39°33'12.9920"N	80°47'34.1600"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.030	337.750	100.00	0.02	0.02	-0.01	1698814.57	14363571.81	39°33'12.9922"N	80°47'34.1601"W	0.02	337.750	0.04	0.04	0.00	
200.00	0.090	44.070	200.00	0.08	0.10	0.04	1698814.62	14363571.89	39°33'12.9929"N	80°47'34.1595"W	0.11	20.715	0.08	0.06	66.32	Gyrodata MS Gyro <17-1/2"> (100'-526')
300.00	0.210	29.520	300.00	0.24	0.31	0.18	1698814.76	14363572.10	39°33'12.9951"N	80°47'34.1576"W	0.36	30.084	0.12	0.12	-14.55	
400.00	0.100	18.290	400.00	0.43	0.56	0.30	1698814.88	14363572.35	39°33'12.9975"N	80°47'34.1561"W	0.63	28.304	0.11	-0.11	-11.23	
500.00	0.170	47.310	500.00	0.56	0.74	0.44	1698815.02	14363572.53	39°33'12.9993"N	80°47'34.1544"W	0.86	30.514	0.10	0.07	29.02	
526.00	0.160	29.310	526.00	0.60	0.80	0.48	1698815.06	14363572.59	39°33'12.9999"N	80°47'34.1538"W	0.93	31.152	0.20	-0.04	-69.23	
773.00	2.910	58.510	772.89	2.17	4.37	6.00	1698820.58	14363576.16	39°33'13.0351"N	80°47'34.0833"W	7.42	53.899	1.12	1.11	11.82	APS EM <12-1/4"> (526')(773'-3569')
863.00	3.990	55.320	862.72	3.51	7.35	10.52	1698825.10	14363579.14	39°33'13.0644"N	80°47'34.0254"W	12.83	55.065	1.22	1.20	-3.54	
954.00	6.030	58.740	953.37	5.37	11.63	17.21	1698831.79	14363583.42	39°33'13.1065"N	80°47'33.9399"W	20.77	55.949	2.26	2.24	3.76	
1044.00	6.800	55.240	1042.81	7.81	17.12	25.63	1698840.20	14363588.91	39°33'13.1606"N	80°47'33.8323"W	30.82	56.254	0.96	0.86	-3.89	
1138.00	9.050	52.870	1135.90	11.61	24.76	36.10	1698850.66	14363596.54	39°33'13.2359"N	80°47'33.6984"W	43.77	55.554	2.42	2.39	-2.52	
1233.00	10.420	50.490	1229.53	16.92	34.74	48.68	1698863.24	14363606.51	39°33'13.3342"N	80°47'33.5374"W	59.80	54.492	1.50	1.44	-2.51	
1327.00	12.250	48.760	1321.70	23.66	46.72	62.74	1698877.30	14363618.49	39°33'13.4523"N	80°47'33.3576"W	78.22	53.328	1.98	1.95	-1.84	
1422.00	13.950	46.240	1414.22	32.24	61.28	78.59	1698893.14	14363633.05	39°33'13.5959"N	80°47'33.1548"W	99.66	52.054	1.89	1.79	-2.65	
1516.00	15.530	42.830	1505.13	42.90	78.35	95.33	1698909.87	14363650.11	39°33'13.7642"N	80°47'32.9406"W	123.40	50.584	1.92	1.68	-3.63	
1611.00	17.750	40.200	1596.14	56.30	98.74	113.33	1698927.86	14363670.49	39°33'13.9653"N	80°47'32.7103"W	150.31	48.935	2.47	2.34	-2.77	
1705.00	19.700	38.040	1685.17	72.22	122.17	132.34	1698946.87	14363693.91	39°33'14.1963"N	80°47'32.4668"W	180.11	47.289	2.20	2.07	-2.30	
1800.00	22.050	36.890	1773.92	90.90	149.04	152.91	1698967.43	14363720.77	39°33'14.4615"N	80°47'32.2034"W	213.53	45.735	2.51	2.47	-1.21	
1894.00	24.240	35.920	1860.35	111.85	178.78	174.83	1698989.34	14363750.50	39°33'14.7550"N	80°47'31.9227"W	250.06	44.359	2.36	2.33	-1.03	
1989.00	24.270	43.350	1946.99	132.08	208.78	199.68	1699014.18	14363780.49	39°33'15.0509"N	80°47'31.6046"W	288.90	43.723	3.21	0.03	7.82	
2083.00	23.800	53.150	2032.87	146.83	234.22	228.13	1699042.62	14363805.91	39°33'15.3016"N	80°47'31.2407"W	326.96	44.246	4.27	-0.50	10.43	
2178.00	24.870	61.130	2119.45	156.08	255.36	260.97	1699075.45	14363827.05	39°33'15.5098"N	80°47'30.8207"W	365.12	45.622	3.64	1.13	8.40	
2272.00	24.880	61.690	2204.73	162.62	274.28	295.69	1699110.15	14363845.96	39°33'15.6960"N	80°47'30.3769"W	403.32	47.151	0.25	0.01	0.60	
2367.00	25.620	62.370	2290.66	168.89	293.29	331.48	1699145.93	14363864.96	39°33'15.8830"N	80°47'29.9194"W	442.60	48.498	0.84	0.78	0.72	
2461.00	26.940	62.190	2374.94	175.15	312.65	368.32	1699182.76	14363884.31	39°33'16.0735"N	80°47'29.4485"W	483.12	49.674	1.41	1.40	-0.19	
2556.00	27.570	61.320	2459.39	182.09	333.24	406.64	1699221.06	14363904.90	39°33'16.2762"N	80°47'28.9587"W	525.74	50.666	0.78	0.66	-0.92	
2650.00	26.840	59.760	2542.99	189.83	354.37	444.06	1699258.47	14363926.01	39°33'16.4841"N	80°47'28.4803"W	568.13	51.410	1.09	-0.78	-1.66	
2745.00	26.210	58.040	2627.99	198.67	376.27	480.39	1699294.78	14363947.91	39°33'16.6998"N	80°47'28.0159"W	610.21	51.930	1.05	-0.66	-1.81	

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Field	Wetzel		API	47-103-03557-0000
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Slot	Slot A			

WELLPATH DATA (210 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
2839.00	27.160	57.330	2711.98	208.34	398.84	516.06	1699330.44	14363970.47	39°33'16.9220"N	80°47'27.5598"W	652.22	52.301	1.07	1.01	-0.76	
2934.00	26.990	56.020	2796.57	218.99	422.59	552.19	1699366.55	14363994.22	39°33'17.1559"N	80°47'27.0979"W	695.34	52.573	0.65	-0.18	-1.38	
3029.00	26.330	57.090	2881.47	229.57	446.09	587.76	1699402.10	14364017.70	39°33'17.3873"N	80°47'26.6431"W	737.87	52.803	0.86	-0.69	-1.13	
3123.00	25.620	57.060	2965.98	239.43	468.47	622.31	1699436.65	14364040.07	39°33'17.6077"N	80°47'26.2013"W	778.93	53.028	0.76	-0.76	-0.03	
3217.00	24.970	58.150	3050.96	248.69	489.99	656.22	1699470.54	14364061.58	39°33'17.8196"N	80°47'25.7677"W	818.97	53.252	0.85	-0.69	1.16	
3312.00	24.830	59.970	3137.13	256.92	510.55	690.52	1699504.83	14364082.14	39°33'18.0221"N	80°47'25.3292"W	858.77	53.522	0.82	-0.15	1.92	
3406.00	25.180	60.210	3222.32	264.39	530.36	724.97	1699539.26	14364101.94	39°33'18.2171"N	80°47'24.8889"W	898.26	53.812	0.39	0.37	0.26	
3501.00	24.780	59.170	3308.44	272.21	550.61	759.60	1699573.88	14364122.18	39°33'18.4164"N	80°47'24.4461"W	938.17	54.063	0.63	-0.42	-1.09	
3569.00	24.080	57.970	3370.35	278.23	565.27	783.60	1699597.87	14364136.83	39°33'18.5607"N	80°47'24.1393"W	966.21	54.194	1.26	-1.03	-1.76	
3654.00	22.980	55.620	3448.28	286.50	583.84	812.00	1699626.25	14364155.39	39°33'18.7436"N	80°47'23.7762"W	1000.10	54.283	1.70	-1.29	-2.76	APS EM <8-3/4"> (3569')(3654'-6300')
3748.00	25.520	55.320	3533.98	296.79	605.72	843.80	1699658.04	14364177.27	39°33'18.9591"N	80°47'23.3696"W	1038.70	54.327	2.71	2.70	-0.32	
3844.00	28.630	53.990	3619.45	309.06	631.02	879.42	1699693.64	14364202.56	39°33'19.2083"N	80°47'22.9141"W	1082.38	54.339	3.30	3.24	-1.39	
3938.00	29.390	50.620	3701.66	323.63	658.89	915.46	1699729.68	14364230.42	39°33'19.4830"N	80°47'22.4530"W	1127.92	54.256	1.92	0.81	-3.59	
4033.00	29.820	50.300	3784.26	340.04	688.77	951.66	1699765.86	14364260.29	39°33'19.7774"N	80°47'21.9901"W	1174.76	54.104	0.48	0.45	-0.34	
4127.00	29.880	52.790	3865.79	355.57	717.86	988.29	1699802.47	14364289.37	39°33'20.0641"N	80°47'21.5215"W	1221.49	54.006	1.32	0.06	2.65	
4221.00	28.440	54.330	3947.88	369.26	745.08	1025.12	1699839.29	14364316.57	39°33'20.3322"N	80°47'21.0504"W	1267.29	53.990	1.73	-1.53	1.64	
4316.00	25.710	54.480	4032.46	381.56	770.24	1060.28	1699874.44	14364341.73	39°33'20.5801"N	80°47'20.6009"W	1310.52	54.003	2.87	-2.87	0.16	
4411.00	25.400	59.080	4118.17	391.58	792.69	1094.53	1699908.68	14364364.16	39°33'20.8011"N	80°47'20.1629"W	1351.43	54.087	2.11	-0.33	4.84	
4505.00	25.050	56.770	4203.21	400.58	813.95	1128.47	1699942.60	14364385.42	39°33'21.0105"N	80°47'19.7289"W	1391.39	54.198	1.11	-0.37	-2.46	
4600.00	26.220	56.570	4288.86	410.71	836.54	1162.81	1699976.93	14364407.99	39°33'21.2329"N	80°47'19.2898"W	1432.45	54.268	1.23	1.23	-0.21	
4694.00	27.960	60.620	4372.55	419.80	858.79	1199.35	1700013.45	14364430.24	39°33'21.4520"N	80°47'18.8227"W	1475.11	54.396	2.70	1.85	4.31	
4789.00	29.620	61.410	4455.80	427.67	880.95	1239.37	1700053.46	14364452.39	39°33'21.6701"N	80°47'18.3110"W	1520.57	54.595	1.79	1.75	0.83	
4884.00	28.600	57.970	4538.81	436.66	904.25	1279.27	1700093.34	14364475.68	39°33'21.8994"N	80°47'17.8010"W	1566.59	54.745	2.06	-1.07	-3.62	
4978.00	28.530	56.350	4621.37	447.35	928.62	1317.03	1700131.08	14364500.04	39°33'22.1394"N	80°47'17.3182"W	1611.49	54.813	0.83	-0.07	-1.72	
5072.00	29.320	57.080	4703.64	458.51	953.57	1355.04	1700169.08	14364524.98	39°33'22.3851"N	80°47'16.8322"W	1656.93	54.865	0.92	0.84	0.78	
5169.00	29.790	57.890	4788.02	469.64	979.28	1395.38	1700209.41	14364550.68	39°33'22.6383"N	80°47'16.3163"W	1704.73	54.939	0.64	0.48	0.84	
5263.00	29.550	56.220	4869.70	480.79	1004.58	1434.43	1700248.44	14364575.97	39°33'22.8875"N	80°47'15.8171"W	1751.22	54.995	0.92	-0.26	-1.78	
5358.00	28.520	53.890	4952.76	493.39	1030.98	1472.22	1700286.22	14364602.36	39°33'23.1474"N	80°47'15.3337"W	1797.32	54.997	1.61	-1.08	-2.45	
5452.00	27.650	54.230	5035.69	506.23	1056.95	1508.05	1700322.03	14364628.32	39°33'23.4033"N	80°47'14.8755"W	1841.57	54.974	0.94	-0.93	0.36	
5547.00	28.020	54.470	5119.70	518.89	1082.80	1544.10	1700358.06	14364654.16	39°33'23.6580"N	80°47'14.4146"W	1885.92	54.960	0.41	0.39	0.25	

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Facility	Ingold Pad		Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A			

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5641.00	26.840	50.800	5203.13	532.45	1109.05	1578.51	1700392.47	14364680.40	39°33'23.9166"N	80°47'13.9744"W	1929.17	54.908	2.19	-1.26	-3.90	
5736.00	26.220	51.870	5288.13	546.68	1135.56	1611.64	1700425.58	14364706.90	39°33'24.1778"N	80°47'13.5506"W	1971.52	54.831	0.82	-0.65	1.13	
5830.00	27.190	53.650	5372.11	559.84	1161.12	1645.28	1700459.20	14364732.44	39°33'24.4296"N	80°47'13.1204"W	2013.73	54.788	1.34	1.03	1.89	
5925.00	26.840	55.730	5456.74	571.91	1186.06	1680.48	1700494.39	14364757.37	39°33'24.6753"N	80°47'12.6702"W	2056.88	54.786	1.06	-0.37	2.19	
6020.00	26.800	57.320	5541.52	582.58	1209.70	1716.23	1700530.13	14364781.01	39°33'24.9081"N	80°47'12.2131"W	2099.72	54.822	0.76	-0.04	1.67	
6114.00	26.110	59.800	5625.68	591.56	1231.55	1751.95	1700565.83	14364802.84	39°33'25.1232"N	80°47'11.7564"W	2141.50	54.894	1.39	-0.73	2.64	
6209.00	25.190	57.400	5711.32	600.32	1252.95	1787.05	1700600.92	14364824.25	39°33'25.3339"N	80°47'11.3076"W	2182.53	54.965	1.46	-0.97	-2.53	
6300.00	25.770	56.360	5793.47	609.83	1274.35	1819.83	1700633.69	14364845.63	39°33'25.5446"N	80°47'10.8884"W	2221.65	54.998	0.80	0.64	-1.14	
6361.00	24.430	53.540	5848.71	616.94	1289.19	1841.02	1700665.86	14364860.47	39°33'25.6908"N	80°47'10.6175"W	2247.52	54.998	2.94	-2.20	-4.62	BH AT Curve <8-1/2"> (6300')(6361'-19303')
6456.00	26.150	52.400	5934.60	629.46	1313.64	1873.41	1700687.24	14364884.91	39°33'25.9317"N	80°47'10.2032"W	2288.08	54.962	1.88	1.81	-1.20	
6551.00	26.470	48.920	6019.77	644.05	1340.33	1905.95	1700719.77	14364911.58	39°33'26.1946"N	80°47'9.7869"W	2330.05	54.884	1.66	0.34	-3.66	
6646.00	25.560	40.510	6105.17	662.37	1369.83	1935.24	1700749.05	14364941.08	39°33'26.4856"N	80°47'9.4121"W	2370.99	54.708	4.00	-0.96	-8.85	
6740.00	27.530	35.240	6189.27	685.32	1403.00	1960.95	1700774.75	14364974.23	39°33'26.8128"N	80°47'9.0828"W	2411.17	54.417	3.26	2.10	-5.61	
6835.00	31.930	21.350	6271.84	717.30	1444.40	1982.80	1700796.59	14365015.61	39°33'27.2214"N	80°47'8.8026"W	2453.12	53.928	8.58	4.63	-14.62	
6929.00	33.810	2.240	6351.00	760.71	1493.82	1992.90	1700806.69	14365065.02	39°33'27.7096"N	80°47'8.6721"W	2490.61	53.146	11.17	2.00	-20.33	
7024.00	35.680	354.540	6429.10	812.29	1547.84	1991.30	1700805.08	14365119.02	39°33'28.2436"N	80°47'8.6910"W	2522.12	52.142	5.02	1.97	-8.11	
7118.00	37.220	349.380	6504.73	867.07	1603.09	1983.45	1700797.24	14365174.24	39°33'28.7898"N	80°47'8.7895"W	2550.29	51.054	3.65	1.64	-5.49	
7213.00	38.970	349.570	6579.49	925.03	1660.71	1972.74	1700786.54	14365231.84	39°33'29.3595"N	80°47'8.9244"W	2578.70	49.908	1.85	1.84	0.20	
7254.00†	40.914	349.311	6610.92	951.06	1686.59	1967.92	1700781.71	14365257.71	39°33'29.6154"N	80°47'8.9852"W	2591.77	49.402	4.76	4.74	-0.63	
7306.00	43.380	349.010	6649.47	985.60	1720.86	1961.35	1700775.15	14365291.96	39°33'29.9542"N	80°47'9.0680"W	2609.26	48.737	4.76	4.74	-0.58	
7401.00	47.680	346.760	6716.01	1052.87	1787.11	1947.08	1700760.89	14365358.18	39°33'30.6093"N	80°47'9.2482"W	2642.89	47.453	4.83	4.53	-2.37	
7413.00†	48.433	346.379	6724.03	1061.76	1795.79	1945.01	1700758.82	14365366.86	39°33'30.6952"N	80°47'9.2744"W	2647.25	47.284	6.71	6.28	-3.18	
7495.00	53.610	343.990	6775.60	1125.30	1857.37	1928.67	1700742.48	14365428.42	39°33'31.3042"N	80°47'9.4811"W	2677.61	46.079	6.71	6.31	-2.91	
7576.00†	59.066	342.560	6820.48	1192.63	1921.90	1909.25	1700723.07	14365492.93	39°33'31.9424"N	80°47'9.7271"W	2709.05	44.811	6.89	6.74	-1.77	
7590.00	60.010	342.330	6827.58	1204.70	1933.41	1905.61	1700719.43	14365504.43	39°33'32.0562"N	80°47'9.7732"W	2714.67	44.585	6.89	6.75	-1.64	
7634.00†	62.116	341.700	6848.87	1243.19	1970.03	1893.72	1700707.55	14365541.04	39°33'32.4185"N	80°47'9.9239"W	2732.62	43.869	4.95	4.79	-1.43	
7685.00	64.560	341.000	6871.75	1288.77	2013.21	1879.14	1700692.98	14365584.20	39°33'32.8455"N	80°47'10.1087"W	2753.94	43.027	4.95	4.79	-1.37	
7779.00	75.000	341.860	6904.20	1376.85	2096.72	1851.11	1700664.96	14365667.67	39°33'33.6715"N	80°47'10.4641"W	2796.93	41.440	11.14	11.11	0.91	
7850.00†	78.580	341.488	6920.42	1445.95	2162.32	1829.38	1700643.23	14365733.25	39°33'34.3204"N	80°47'10.7395"W	2832.36	40.232	5.07	5.04	-0.52	
7873.00	79.740	341.370	6924.74	1468.54	2183.73	1822.19	1700636.04	14365754.65	39°33'34.5322"N	80°47'10.8308"W	2844.13	39.843	5.07	5.04	-0.51	

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Chiselfinger Unit 2H AWP Proj: 19332'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Chiselfinger Unit 2H
Field	Wetzel		API	47-103-03557-0000
Facility	Ingold Pad		Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A			

WELLPATH DATA (210 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
7968.00	85.230	344.200	6937.17	1562.63	2273.66	1794.34	1700608.21	14365844.54	39°33'35.4216"N	80°47'11.1836"W	2896.41	38.280	6.49	5.78	2.98	
8062.00	89.170	343.360	6941.76	1656.38	2363.79	1768.12	1700582.00	14365934.64	39°33'36.3130"N	80°47'11.5156"W	2951.91	36.797	4.29	4.19	-0.89	
8157.00	88.950	341.810	6943.32	1751.32	2454.42	1739.69	1700553.58	14366025.23	39°33'37.2094"N	80°47'11.8758"W	3008.44	35.329	1.65	-0.23	-1.63	
8251.00	89.510	342.000	6944.58	1845.30	2543.76	1710.50	1700524.40	14366114.54	39°33'38.0931"N	80°47'12.2459"W	3065.38	33.918	0.63	0.60	0.20	
8341.00	91.200	342.250	6944.02	1935.28	2629.41	1682.88	1700496.79	14366200.16	39°33'38.9402"N	80°47'12.5960"W	3121.84	32.620	1.90	1.88	0.28	
8436.00	90.310	342.020	6942.77	2030.25	2719.82	1653.74	1700467.66	14366290.53	39°33'39.8345"N	80°47'12.9653"W	3183.12	31.301	0.97	-0.94	-0.24	
8530.00	91.020	342.100	6941.68	2124.22	2809.25	1624.78	1700438.72	14366379.92	39°33'40.7189"N	80°47'13.3322"W	3245.27	30.044	0.76	0.76	0.09	
8624.00	90.710	342.100	6940.26	2218.19	2898.69	1595.90	1700409.84	14366469.32	39°33'41.6035"N	80°47'13.6984"W	3308.97	28.835	0.33	-0.33	0.00	
8718.00	90.370	342.590	6939.37	2312.16	2988.25	1567.39	1700381.34	14366558.85	39°33'42.4894"N	80°47'14.0597"W	3374.37	27.678	0.63	-0.36	0.52	
8813.00	92.060	342.310	6937.36	2407.10	3078.81	1538.75	1700352.72	14366649.37	39°33'43.3851"N	80°47'14.4226"W	3441.92	26.555	1.80	1.78	-0.29	
8907.00	90.620	340.860	6935.16	2501.06	3167.97	1509.07	1700323.04	14366738.50	39°33'44.2669"N	80°47'14.7989"W	3509.03	25.471	2.17	-1.53	-1.54	
9002.00	90.310	340.200	6934.39	2596.06	3257.53	1477.40	1700291.39	14366828.02	39°33'45.1529"N	80°47'15.2005"W	3576.90	24.396	0.77	-0.33	-0.69	
9097.00	90.340	340.430	6933.85	2691.05	3346.98	1445.40	1700259.41	14366917.43	39°33'46.0376"N	80°47'15.6064"W	3645.74	23.357	0.24	0.03	0.24	
9191.00	90.180	340.490	6933.43	2785.04	3435.56	1413.96	1700227.98	14367005.98	39°33'46.9139"N	80°47'16.0051"W	3715.16	22.370	0.18	-0.17	0.06	
9286.00	90.310	339.780	6933.02	2880.03	3524.91	1381.68	1700195.71	14367095.29	39°33'47.7976"N	80°47'16.4146"W	3786.03	21.404	0.76	0.14	-0.75	
9380.00	89.940	340.670	6932.81	2974.03	3613.36	1349.88	1700163.92	14367183.72	39°33'48.6726"N	80°47'16.8180"W	3857.27	20.485	1.03	-0.39	0.95	
9475.00	90.250	340.780	6932.66	3069.03	3703.04	1318.52	1700132.57	14367273.35	39°33'49.5596"N	80°47'17.2157"W	3930.77	19.599	0.35	0.33	0.12	
9570.00	89.690	339.440	6932.71	3164.01	3792.37	1286.20	1700100.27	14367362.65	39°33'50.4432"N	80°47'17.6257"W	4004.54	18.735	1.53	-0.59	-1.41	
9664.00	90.280	340.320	6932.73	3258.00	3880.63	1253.87	1700067.95	14367450.88	39°33'51.3163"N	80°47'18.0359"W	4078.17	17.906	1.13	0.63	0.94	
9759.00	90.370	338.430	6932.19	3352.95	3969.54	1220.40	1700034.50	14367539.75	39°33'52.1958"N	80°47'18.4605"W	4152.90	17.090	1.99	0.09	-1.99	
9853.00	89.510	338.880	6932.29	3446.88	4057.09	1186.19	1700000.30	14367627.26	39°33'53.0618"N	80°47'18.8947"W	4226.94	16.298	1.03	-0.91	0.48	
10042.00	89.910	340.470	6933.25	3635.83	4234.31	1120.54	1699934.68	14367804.42	39°33'54.8149"N	80°47'19.7276"W	4380.07	14.823	0.87	0.21	0.84	
10137.00	90.490	340.400	6932.92	3730.82	4323.83	1088.73	1699902.88	14367893.89	39°33'55.7003"N	80°47'20.1311"W	4458.79	14.133	0.61	0.61	-0.07	
10232.00	90.310	340.710	6932.25	3825.82	4413.40	1057.11	1699871.27	14367983.44	39°33'56.5864"N	80°47'20.5323"W	4538.24	13.470	0.38	-0.19	0.33	
10327.00	90.280	340.450	6931.76	3920.81	4503.00	1025.52	1699839.69	14368073.00	39°33'57.4726"N	80°47'20.9329"W	4618.30	12.830	0.28	-0.03	-0.27	
10421.00	90.620	340.190	6931.03	4014.80	4591.50	993.87	1699808.05	14368161.47	39°33'58.3481"N	80°47'21.3345"W	4697.84	12.214	0.46	0.36	-0.28	
10515.00	89.170	340.650	6931.20	4108.80	4680.07	962.37	1699776.56	14368249.99	39°33'59.2241"N	80°47'21.7340"W	4777.99	11.620	1.62	-1.54	0.49	
10610.00	90.150	340.550	6931.76	4203.79	4769.67	930.81	1699745.02	14368339.56	39°34'0.1104"N	80°47'22.1343"W	4859.65	11.043	1.04	1.03	-0.11	
10704.00	89.910	341.600	6931.71	4297.79	4858.59	900.32	1699714.55	14368428.44	39°34'0.9899"N	80°47'22.5209"W	4941.30	10.498	1.15	-0.26	1.12	
10799.00	89.820	340.700	6931.94	4392.79	4948.49	869.63	1699683.86	14368518.31	39°34'1.8791"N	80°47'22.9101"W	5024.32	9.967	0.95	-0.09	-0.95	

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Chiselfinger Unit 2H
Field	Wetzel		API	47-103-03557-0000
Facility	Ingold Pad		Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A			

WELLPATH DATA (210 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
10894.00	89.450	341.360	6932.54	4487.79	5038.33	838.75	1699653.00	14368608.11	39°34'2.7677"N	80°47'23.3018"W	5107.67	9.452	0.80	-0.39	0.69	
10988.00	90.430	341.180	6932.64	4581.78	5127.35	808.57	1699622.82	14368697.10	39°34'3.6482"N	80°47'23.6845"W	5190.71	8.962	1.06	1.04	-0.19	
11083.00	90.000	341.200	6932.28	4676.78	5217.28	777.94	1699592.21	14368786.99	39°34'4.5377"N	80°47'24.0730"W	5274.95	8.481	0.45	-0.45	0.02	
11178.00	89.910	340.560	6932.36	4771.78	5307.03	746.82	1699561.10	14368876.71	39°34'5.4255"N	80°47'24.4676"W	5359.32	8.010	0.68	-0.09	-0.67	
11272.00	90.520	341.010	6932.00	4865.78	5395.80	715.88	1699530.18	14368965.44	39°34'6.3035"N	80°47'24.8600"W	5443.08	7.558	0.81	0.65	0.48	
11367.00	90.000	340.460	6931.57	4960.78	5485.47	684.54	1699498.85	14369055.08	39°34'7.1905"N	80°47'25.2576"W	5528.02	7.113	0.80	-0.55	-0.58	
11461.00	91.850	341.760	6930.06	5054.76	5574.39	654.11	1699468.43	14369143.97	39°34'8.0700"N	80°47'25.6435"W	5612.64	6.693	2.41	1.97	1.38	
11555.00	89.630	340.180	6928.84	5148.74	5663.24	623.47	1699437.80	14369232.78	39°34'8.9488"N	80°47'26.0321"W	5697.46	6.282	2.90	-2.36	-1.68	
11649.00	89.940	340.420	6929.19	5242.74	5751.74	591.78	1699406.12	14369321.24	39°34'9.8242"N	80°47'26.4341"W	5782.10	5.874	0.42	0.33	0.26	
11743.00	90.740	341.090	6928.64	5336.73	5840.48	560.80	1699375.15	14369409.95	39°34'10.7020"N	80°47'26.8271"W	5867.35	5.485	1.11	0.85	0.71	
11838.00	89.940	341.060	6928.07	5431.73	5930.35	529.99	1699344.36	14369499.77	39°34'11.5908"N	80°47'27.2179"W	5953.98	5.107	0.84	-0.84	-0.03	
11932.00	90.310	340.070	6927.87	5525.73	6018.99	498.71	1699313.09	14369588.38	39°34'12.4676"N	80°47'27.6147"W	6039.61	4.736	1.12	0.39	-1.05	
12027.00	90.710	341.130	6927.02	5620.72	6108.59	467.16	1699281.55	14369677.95	39°34'13.3539"N	80°47'28.0149"W	6126.43	4.373	1.19	0.42	1.12	
12121.00	89.540	340.860	6926.82	5714.72	6197.46	436.55	1699250.95	14369766.79	39°34'14.2329"N	80°47'28.4032"W	6212.82	4.029	1.28	-1.24	-0.29	
12215.00	90.000	340.250	6927.19	5808.71	6286.10	405.25	1699219.67	14369855.39	39°34'15.1097"N	80°47'28.8001"W	6299.15	3.689	0.81	0.49	-0.65	
12310.00	90.250	341.130	6926.99	5903.71	6375.75	373.84	1699188.27	14369945.01	39°34'15.9965"N	80°47'29.1986"W	6386.71	3.356	0.96	0.26	0.93	
12404.00	89.910	339.790	6926.86	5997.71	6464.34	342.40	1699156.84	14370033.56	39°34'16.8727"N	80°47'29.5975"W	6473.40	3.032	1.47	-0.36	-1.43	
12499.00	90.650	340.970	6926.39	6092.70	6553.82	310.50	1699124.96	14370123.00	39°34'17.7578"N	80°47'30.0022"W	6561.17	2.712	1.47	0.78	1.24	
12593.00	89.350	340.710	6926.39	6186.70	6642.61	279.65	1699094.12	14370211.76	39°34'18.6360"N	80°47'30.3935"W	6648.49	2.411	1.41	-1.38	-0.28	
12688.00	90.220	339.610	6926.75	6281.68	6731.97	247.41	1699061.89	14370301.08	39°34'19.5199"N	80°47'30.8026"W	6736.51	2.105	1.48	0.92	-1.16	
12782.00	90.000	340.800	6926.57	6375.68	6820.41	215.58	1699030.07	14370389.49	39°34'20.3947"N	80°47'31.2065"W	6823.82	1.810	1.29	-0.23	1.27	
12877.00	89.540	340.170	6926.95	6470.67	6909.95	183.84	1698998.35	14370478.99	39°34'21.2804"N	80°47'31.6091"W	6912.40	1.524	0.82	-0.48	-0.66	
12972.00	90.580	340.880	6926.85	6565.67	6999.52	152.17	1698966.69	14370568.52	39°34'22.1663"N	80°47'32.0109"W	7001.17	1.245	1.33	1.09	0.75	
13066.00	89.850	340.880	6926.50	6659.67	7088.33	121.38	1698935.91	14370657.30	39°34'23.0448"N	80°47'32.4014"W	7089.37	0.981	0.78	-0.78	0.00	
13161.00	89.630	340.310	6926.93	6754.66	7177.93	89.82	1698904.36	14370746.86	39°34'23.9310"N	80°47'32.8019"W	7178.49	0.717	0.64	-0.23	-0.60	
13255.00	90.090	340.880	6927.16	6848.66	7266.59	58.59	1698873.15	14370835.49	39°34'24.8080"N	80°47'33.1981"W	7266.83	0.462	0.78	0.49	0.61	
13350.00	89.780	340.880	6927.27	6943.66	7356.35	27.47	1698842.04	14370925.21	39°34'25.6958"N	80°47'33.5928"W	7356.40	0.214	0.33	-0.33	0.00	
13444.00	89.720	340.340	6927.68	7037.66	7445.02	-3.74	1698810.85	14371013.84	39°34'26.5728"N	80°47'33.9887"W	7445.02	359.971	0.58	-0.06	-0.57	
13538.00	90.000	340.720	6927.91	7131.65	7533.64	-35.07	1698779.53	14371102.43	39°34'27.4494"N	80°47'34.3862"W	7533.72	359.733	0.50	0.30	0.40	
13632.00	90.060	340.680	6927.86	7225.65	7622.36	-66.13	1698748.47	14371191.12	39°34'28.3270"N	80°47'34.7804"W	7622.65	359.503	0.08	0.06	-0.04	

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Operator	ANTERO RESOURCES CORPORATION	Well	Chiselfinger Unit 2H
Field	Wetzel	API	47-103-03557-0000
Facility	Ingold Pad	Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A		

WELLPATH DATA (210 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
13727.00	90.120	341.190	6927.71	7320.65	7712.15	-97.17	1698717.45	14371280.87	39°34'29.2151"N	80°47'35.1740"W	7712.76	359.278	0.54	0.06	0.54	
13822.00	89.880	340.430	6927.71	7415.65	7801.87	-128.39	1698686.24	14371370.55	39°34'30.1025"N	80°47'35.5701"W	7802.93	359.057	0.84	-0.25	-0.80	
13916.00	90.220	340.910	6927.63	7509.65	7890.57	-159.51	1698655.14	14371459.22	39°34'30.9799"N	80°47'35.9649"W	7892.18	358.842	0.63	0.36	0.51	
14011.00	89.970	340.780	6927.47	7604.65	7980.31	-190.68	1698623.98	14371548.92	39°34'31.8675"N	80°47'36.3603"W	7982.59	358.631	0.30	-0.26	-0.14	
14105.00	89.780	340.420	6927.67	7698.65	8068.97	-221.90	1698592.77	14371637.55	39°34'32.7445"N	80°47'36.7565"W	8072.02	358.425	0.43	-0.20	-0.38	
14200.00	89.820	340.920	6928.00	7793.65	8158.62	-253.35	1698561.33	14371727.16	39°34'33.6311"N	80°47'37.1554"W	8162.55	358.221	0.53	0.04	0.53	
14294.00	90.990	339.480	6927.34	7887.63	8247.05	-285.19	1698529.51	14371815.56	39°34'34.5059"N	80°47'37.5594"W	8251.98	358.019	1.97	1.24	-1.53	
14389.00	89.140	339.730	6927.23	7982.60	8336.09	-318.29	1698496.42	14371904.56	39°34'35.3867"N	80°47'37.9796"W	8342.17	357.813	1.97	-1.95	0.26	
14483.00	90.120	340.890	6927.84	8076.59	8424.59	-349.96	1698464.76	14371993.03	39°34'36.2620"N	80°47'38.3814"W	8431.86	357.621	1.62	1.04	1.23	
14578.00	89.910	340.830	6927.81	8171.59	8514.34	-381.11	1698433.62	14372082.74	39°34'37.1497"N	80°47'38.7766"W	8522.87	357.437	0.23	-0.22	-0.06	
14672.00	90.000	340.790	6927.89	8265.59	8603.12	-412.01	1698402.74	14372171.48	39°34'38.0278"N	80°47'39.1686"W	8612.98	357.258	0.10	0.10	-0.04	
14767.00	90.060	340.410	6927.84	8360.59	8692.72	-443.56	1698371.19	14372261.05	39°34'38.9142"N	80°47'39.5690"W	8704.03	357.079	0.40	0.06	-0.40	
14861.00	90.000	340.860	6927.79	8454.59	8781.41	-474.73	1698340.04	14372349.70	39°34'39.7913"N	80°47'39.9644"W	8794.23	356.906	0.48	-0.06	0.48	
14956.00	89.940	340.350	6927.84	8549.59	8871.01	-506.28	1698308.50	14372439.27	39°34'40.6776"N	80°47'40.3647"W	8885.45	356.734	0.54	-0.06	-0.54	
15050.00	89.910	340.580	6927.96	8643.58	8959.60	-537.71	1698277.08	14372527.83	39°34'41.5539"N	80°47'40.7636"W	8975.72	356.566	0.25	-0.03	0.24	
15144.00	89.940	340.580	6928.09	8737.58	9048.25	-568.96	1698245.84	14372616.44	39°34'42.4308"N	80°47'41.1601"W	9066.13	356.402	0.03	0.03	0.00	
15239.00	89.820	340.570	6928.28	8832.58	9137.85	-600.56	1698214.26	14372706.00	39°34'43.3169"N	80°47'41.5610"W	9157.56	356.240	0.13	-0.13	-0.01	
15334.00	89.940	340.660	6928.48	8927.58	9227.46	-632.09	1698182.74	14372795.58	39°34'44.2033"N	80°47'41.9611"W	9249.09	356.081	0.16	0.13	0.09	
15429.00	89.600	340.520	6928.86	9022.58	9317.06	-663.66	1698151.18	14372885.14	39°34'45.0896"N	80°47'42.3617"W	9340.67	355.926	0.39	-0.36	-0.15	
15523.00	89.880	340.370	6929.29	9116.57	9405.64	-695.12	1698119.73	14372973.68	39°34'45.9657"N	80°47'42.7609"W	9431.29	355.773	0.34	0.30	-0.16	
15617.00	89.850	340.400	6929.51	9210.57	9494.18	-726.68	1698088.19	14373062.19	39°34'46.8415"N	80°47'43.1613"W	9521.95	355.623	0.05	-0.03	0.03	
15712.00	90.090	340.550	6929.56	9305.56	9583.72	-758.43	1698056.45	14373151.69	39°34'47.7271"N	80°47'43.5642"W	9613.68	355.475	0.30	0.25	0.16	
15806.00	90.280	340.700	6929.26	9399.56	9672.40	-789.61	1698025.28	14373240.34	39°34'48.6042"N	80°47'43.9599"W	9704.57	355.333	0.26	0.20	0.16	
15901.00	89.570	341.380	6929.38	9494.56	9762.24	-820.48	1697994.43	14373330.14	39°34'49.4929"N	80°47'44.3515"W	9796.66	355.196	1.03	-0.75	0.72	
15995.00	89.940	341.460	6929.78	9588.56	9851.34	-850.43	1697964.49	14373419.21	39°34'50.3742"N	80°47'44.7315"W	9887.98	355.066	0.40	0.39	0.09	
16090.00	90.030	341.630	6929.81	9683.55	9941.45	-880.50	1697934.43	14373509.29	39°34'51.2654"N	80°47'45.1129"W	9980.37	354.939	0.20	0.09	0.18	
16184.00	89.910	341.790	6929.86	9777.54	10030.71	-910.00	1697904.94	14373598.50	39°34'52.1482"N	80°47'45.4871"W	10071.90	354.816	0.21	-0.13	0.17	
16279.00	90.150	341.440	6929.81	9872.53	10120.86	-939.97	1697874.99	14373688.62	39°34'53.0398"N	80°47'45.8672"W	10164.41	354.694	0.45	0.25	-0.37	
16373.00	90.680	342.030	6929.13	9966.52	10210.12	-969.43	1697845.54	14373777.84	39°34'53.9227"N	80°47'46.2408"W	10256.04	354.576	0.84	0.56	0.63	
16468.00	89.880	342.040	6928.66	10061.50	10300.48	-998.73	1697816.25	14373868.17	39°34'54.8165"N	80°47'46.6124"W	10348.79	354.462	0.84	-0.84	0.01	

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Actual Wellpath Report

Chiselfinger Unit 2H AWP Proj: 19332'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION		
Field	Wetzel		
Facility	Ingold Pad		
Slot	Slot A		
Well	Chiselfinger Unit 2H		
API	47-103-03557-0000		
Wellbore	Chiselfinger Unit 2H AWB		

WELLPATH DATA (210 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
16562.00	89.820	341.440	6928.91	10155.49	10389.75	-1028.18	1697786.81	14373957.40	39°34'55.6993"N	80°47'46.9860"W	10440.50	354.348	0.64	-0.06	-0.64	
16657.00	90.550	341.390	6928.60	10250.49	10479.79	-1058.46	1697756.54	14374047.41	39°34'56.5900"N	80°47'47.3701"W	10533.11	354.233	0.77	0.77	-0.05	
16751.00	90.030	341.850	6928.13	10344.48	10569.00	-1088.10	1697726.92	14374136.58	39°34'57.4722"N	80°47'47.7461"W	10624.86	354.122	0.74	-0.55	0.49	
16846.00	89.970	341.830	6928.13	10439.47	10659.27	-1117.71	1697697.32	14374226.81	39°34'58.3650"N	80°47'48.1216"W	10717.71	354.014	0.07	-0.06	-0.02	
16940.00	89.820	341.690	6928.30	10533.46	10748.54	-1147.13	1697667.91	14374316.05	39°34'59.2480"N	80°47'48.4948"W	10809.58	353.908	0.22	-0.16	-0.15	
17034.00	89.780	341.500	6928.63	10627.45	10837.73	-1176.81	1697638.24	14374405.21	39°35'0.1302"N	80°47'48.8713"W	10901.44	353.803	0.21	-0.04	-0.20	
17129.00	90.120	341.420	6928.71	10722.45	10927.80	-1207.01	1697608.05	14374495.24	39°35'1.0210"N	80°47'49.2545"W	10994.26	353.697	0.37	0.36	-0.08	
17318.00	89.940	341.340	6928.61	10911.44	11106.91	-1267.36	1697547.73	14374674.28	39°35'2.7925"N	80°47'50.0201"W	11178.98	353.490	0.10	-0.10	-0.04	
17413.00	89.820	342.250	6928.81	11006.43	11197.15	-1297.04	1697518.06	14374764.49	39°35'3.6851"N	80°47'50.3965"W	11272.03	353.393	0.97	-0.13	0.96	
17507.00	89.750	342.720	6929.16	11100.39	11286.79	-1325.33	1697489.78	14374854.09	39°35'4.5717"N	80°47'50.7553"W	11364.34	353.303	0.51	-0.07	0.50	
17602.00	89.570	342.580	6929.73	11195.35	11377.47	-1353.66	1697461.46	14374944.73	39°35'5.4684"N	80°47'51.1145"W	11457.71	353.215	0.24	-0.19	-0.15	
17696.00	89.450	344.170	6930.53	11289.26	11467.54	-1380.55	1697434.58	14375034.76	39°35'6.3592"N	80°47'51.4554"W	11550.34	353.135	1.70	-0.13	1.69	
17791.00	89.850	342.870	6931.11	11384.15	11558.63	-1407.50	1697407.64	14375125.82	39°35'7.2601"N	80°47'51.7970"W	11644.01	353.057	1.43	0.42	-1.37	
17886.00	88.920	341.380	6932.13	11479.12	11649.03	-1436.65	1697378.50	14375216.19	39°35'8.1542"N	80°47'52.1668"W	11737.29	352.969	1.85	-0.98	-1.57	
17980.00	89.110	340.670	6933.75	11573.11	11737.91	-1467.21	1697347.95	14375305.03	39°35'9.0333"N	80°47'52.5545"W	11829.26	352.875	0.78	0.20	-0.76	
18074.00	90.030	341.660	6934.45	11667.10	11826.87	-1497.56	1697317.62	14375393.96	39°35'9.9132"N	80°47'52.9396"W	11921.31	352.783	1.44	0.98	1.05	
18169.00	89.480	341.820	6934.86	11762.09	11917.09	-1527.33	1697287.86	14375484.14	39°35'10.8055"N	80°47'53.3172"W	12014.56	352.697	0.60	-0.58	0.17	
18263.00	89.510	341.900	6935.69	11856.08	12006.41	-1556.59	1697258.61	14375573.42	39°35'11.6889"N	80°47'53.6884"W	12106.90	352.613	0.09	0.03	0.09	
18358.00	89.290	342.360	6936.68	11951.05	12096.83	-1585.74	1697229.47	14375663.80	39°35'12.5831"N	80°47'54.0581"W	12200.32	352.532	0.54	-0.23	0.48	
18453.00	89.910	342.730	6937.35	12046.01	12187.45	-1614.24	1697200.99	14375754.39	39°35'13.4794"N	80°47'54.4195"W	12293.89	352.455	0.76	0.65	0.39	
18547.00	89.260	342.230	6938.03	12139.97	12277.08	-1642.53	1697172.70	14375843.99	39°35'14.3659"N	80°47'54.7784"W	12386.47	352.380	0.87	-0.69	-0.53	
18642.00	89.750	341.790	6938.85	12234.95	12367.44	-1671.87	1697143.37	14375934.30	39°35'15.2595"N	80°47'55.1505"W	12479.93	352.301	0.69	0.52	-0.46	
18736.00	89.320	341.490	6939.61	12328.94	12456.65	-1701.48	1697113.78	14376023.48	39°35'16.1419"N	80°47'55.5261"W	12572.32	352.222	0.56	-0.46	-0.32	
18831.00	89.480	341.800	6940.60	12423.93	12546.81	-1731.39	1697083.88	14376113.60	39°35'17.0336"N	80°47'55.9056"W	12665.71	352.143	0.37	0.17	0.33	
18925.00	89.480	341.850	6941.46	12517.91	12636.12	-1760.71	1697054.57	14376202.88	39°35'17.9169"N	80°47'56.2776"W	12758.20	352.067	0.05	0.00	0.05	
19019.00	89.380	341.610	6942.39	12611.90	12725.37	-1790.18	1697025.11	14376292.10	39°35'18.7997"N	80°47'56.6514"W	12850.68	351.992	0.28	-0.11	-0.26	
19113.00	89.540	341.620	6943.28	12705.89	12814.57	-1819.83	1696995.48	14376381.26	39°35'19.6819"N	80°47'57.0275"W	12943.15	351.917	0.17	0.17	0.01	
19208.00	89.420	341.630	6944.14	12800.88	12904.72	-1849.77	1696965.54	14376471.38	39°35'20.5736"N	80°47'57.4075"W	13036.62	351.843	0.13	-0.13	0.01	
19303.00	89.720	341.760	6944.85	12895.87	12994.91	-1879.61	1696935.72	14376561.53	39°35'21.4656"N	80°47'57.7860"W	13130.15	351.770	0.34	0.32	0.14	
19332.00	89.720	341.760	6945.00	12924.86	13022.46	-1888.69	1696926.65	14376589.06	39°35'21.7380"N	80°47'57.9012"W	13158.70	351.748	0.00	0.00	0.00	Projected MD at TD: 19332'

HOLE & CASING SECTIONS - Ref Wellbore: Chiselfinger Unit 2H AWB Ref Wellpath: Chiselfinger Unit 2H AWP Proj: 19332'									
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	25.50	125.50	100.00	25.50	125.50	0.00	0.00	0.03	-0.01
17.5in Open Hole	125.50	573.00	447.50	125.50	573.00	0.03	-0.01	1.02	0.73
13.375in Casing Surface	25.50	553.00	527.50	25.50	553.00	0.00	0.00	0.90	0.58
12.25in Open Hole	573.00	3645.00	3072.00	573.00	3440.00	1.02	0.73	581.85	809.08
9.625in Casing Intermediate	25.50	3615.00	3589.50	25.50	3412.44	0.00	0.00	575.27	799.22
8.75in Open Hole	3645.00	6367.00	2722.00	3440.00	5854.17	581.85	809.08	1290.67	1843.02
8.5in Open Hole	6367.00	19332.00	12965.00	5854.17	6945.00	1290.67	1843.02	13022.46	-1888.69
5.5in Casing Production	25.50	19312.00	19286.50	25.50	6944.90	0.00	0.00	13003.46	-1882.43



Actual Wellpath Report

Chiselfinger Unit 2H AWP Proj: 19332'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Chiselfinger Unit 2H
Field	Wetzel		API	47-103-03557-0000
Facility	Ingold Pad		Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A			

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Chiselfinger Unit 2H POE Rev-2	6908.00	1872.13	1934.76	1700748.57	14365443.17	39°33'31.4499"N	80°47'9.4030"W	point
Chiselfinger Unit 2H POE Rev-3	6908.00	2099.48	1856.17	1700670.02	14365670.44	39°33'33.6987"N	80°47'10.3994"W	point
Chiselfinger Unit 2H BHL Rev-2	6933.00	12744.11	-1823.16	1696992.15	14376310.83	39°35'18.9856"N	80°47'57.0721"W	point
Chiselfinger Unit 2H BHL Rev-3	6933.00	13015.77	-1917.06	1696898.29	14376582.38	39°35'21.6726"N	80°47'58.2637"W	point
Chiselfinger Unit 2H LP Rev-2	6933.00	2276.77	1794.89	1700608.76	14365847.65	39°33'35.4523"N	80°47'11.1764"W	point
Chiselfinger Unit 2H 50' L/R Hard Line	7250.00	7557.63	-30.44	1698784.15	14371126.41	39°34'27.6864"N	80°47'34.3264"W	rectangle
	2D Rectangle 11550 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Chiselfinger Unit 2H AWB				Ref Wellpath: Chiselfinger Unit 2H AWP Proj: 19332'		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date	
25.50	526.00	Gyrodata 2015 - GC+WIR+DPIPE				
526.00	3569.00	BH NaviTrak (2019) (Axial Corr+HRGM)	01 Gyrodata MS Gyro <17-1/2"> (100'-526')	Chiselfinger Unit 2H AWB	4/29/2023	
3569.00	6300.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (526')(773'-3569')	Chiselfinger Unit 2H AWB	5/2/2023	
6300.00	19332.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	03 APS EM <8-3/4"> (3569')(3654'-6300')	Chiselfinger Unit 2H AWB	4/29/2023	
			04 BH AT Curve <8-1/2"> (6300')(6361'-19303')	Chiselfinger Unit 2H AWB	4/29/2023	

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Actual Wellpath Report

Chiselfinger Unit 2H AWP Proj: 19332'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION		Well	Chiselfinger Unit 2H
Field	Wetzel		API	47-103-03557-0000
Facility	Ingold Pad		Wellbore	Chiselfinger Unit 2H AWB
Slot	Slot A			

COMMENTS

Wellpath general comments

API: 47-103-03557-0000

BH Job #: 111779807

Rig: H&P 317

Duration: 4/30/2023-5/7/2023

Gyrodata MS Gyro <17-1/2"> (100'-526')

APS EM <12-1/4"> (526')(773'-3569')

APS EM <8-3/4"> (3569')(3654'-6300')

BH AT Curve <8-1/2"> (6300')(6361'-19303')

Projected MD at TD: 19332'

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