



ANTERO RESOURCES CORPORATION



Location: Tyler County, WV
 Field: Tyler
 Facility: Ed Yost Pad

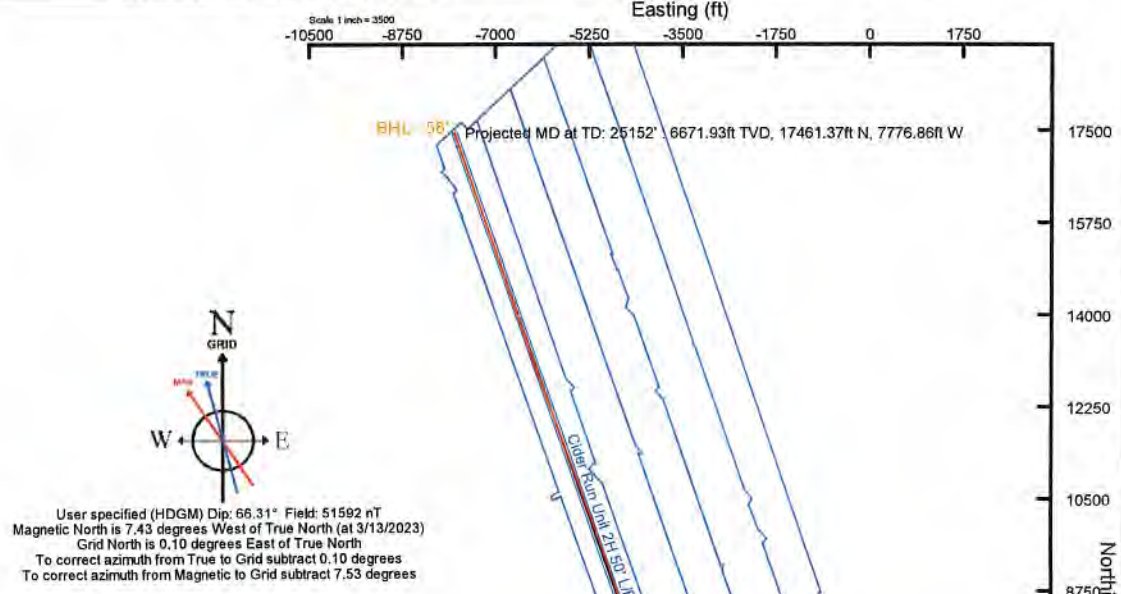
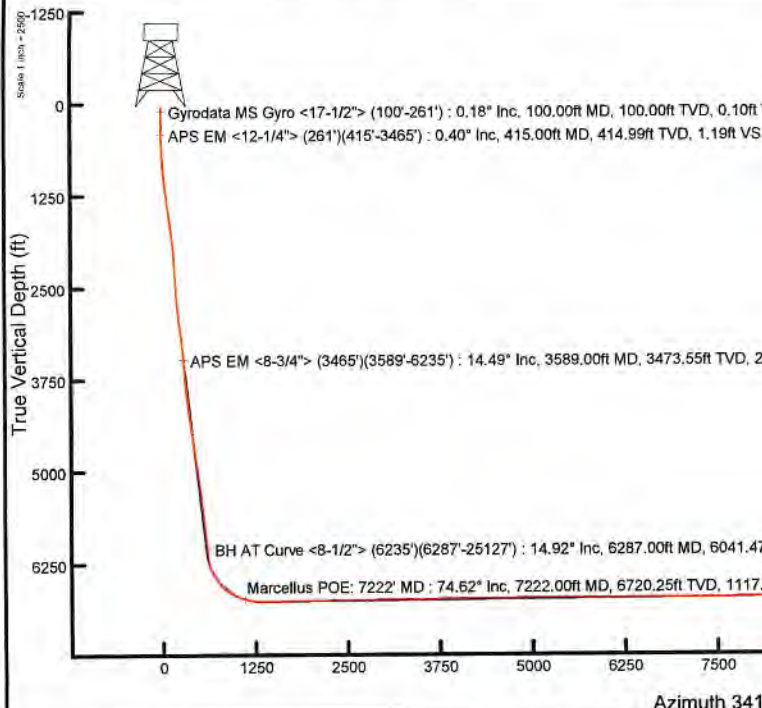
Slot: Slot B
 Well: Cider Run Unit 2H
 Wellbore: Cider Run Unit 2H PWB

Plot reference wellpath to Cider Run 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: 1293 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot B) : -1233 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: wdsynarc on 2023-04-29; Database: WA_MPL_EASTERNUS_Delta

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Ed Yost Pad	1686484.970	14361467.890	39°32'52.4411"N	80°50'11.8780"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot B	-10.24	-10.94	1686474.030	14361457.820	39°32'52.3400"N
Comment: Cider Run Unit 2H					
H&P 519 (RKB) to Ground level (At Slot: Slot B)					30ft
Mean Sea Level to Ground level (At Slot: Slot B)					-1233ft
H&P 519 (RKB) to Mean Sea Level					1293ft

Well Profile Data								
Design Comment	MD (ft)	Inc. (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3465.00	15.490	271.720	3353.77	25.34	-767.78	0.29	273.93
Proj. to Bottom	3540.00	15.490	271.720	3428.04	25.94	-787.80	0.00	281.01
Drill Out	3520.00	15.490	271.720	3503.14	26.58	-809.16	0.00	288.57
End of 3D Arc	3734.60	17.765	272.694	3612.93	27.87	-841.92	2.00	300.45
Curve KOP	6374.47	17.765	272.694	6126.93	65.73	-1646.49	0.00	598.19
POE	7219.62	73.353	340.999	6721.00	507.03	-1942.25	8.00	1111.74
Landing Pt.	7432.71	90.400	340.999	6751.00	705.75	-2010.68	8.00	1321.91
BHL	25149.12	90.400	340.999	6627.32	17456.44	-7779.74	0.00	19037.89

Well Data			
Slot	Well	Wellbore	Wellpath
Slot B	Cider Run Unit 2H	Cider Run Unit 2H AWP	Cider Run Unit 2H AWP Proj: 25152'
Slot B	Cider Run Unit 2H	Cider Run Unit 2H PWB	Cider Run Unit 2H PWP Rev-B.0



User specified (HDGM) Dip: 68.31° Field: 51592 nT
 Magnetic North is 7.43 degrees West of True North (at 3/13/2023)
 Grid North is 0.10 degrees East of True North
 To correct azimuth from True to Grid subtract 0.10 degrees
 To correct azimuth from Magnetic to Grid subtract 7.53 degrees

API: 47-095-02840-0000
 BH Job #: 111702005
 Rig: H&P 519
 Duration: 3/15/2023-3/20/2023

RECEIVED
 Office of Oil and Gas
 JAN 05 2024
 WV Department of Environmental Protection

Marcellus POE: 7222' MD : 6720.25ft TVD, 519.65ft N, 1922.54ft W
 BH AT Curve <8-1/2"> (6235')(6287'-25127') : 6041.47ft TVD, 76.53ft N, 1621.78ft W
 APS EM <8-3/4"> (3465')(3589'-6235') : 3473.55ft TVD, 24.94ft N, 799.82ft W
 APS EM <12-1/4"> (261')(415'-3465') : 414.99ft TVD, 0.66ft N, 1.72ft W
 Gyrodata MS Gyro <17-1/2"> (100'-261') : 100.00ft TVD, 0.08ft N, 0.07ft W

Vertical Section (ft)
 Azimuth 341.00° with reference 0.00 N, 0.00 E



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 1 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999602	Report Generated	4/28/2023 at 4:19:25 PM
Convergence at slot	0.10° 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	-10.24	-10.94	1686474.03	14361457.62	39°32'52.3400"N	80°50'11.8180"W
Facility Reference Pt			1686484.97	14361467.86	39°32'52.4411"N	80°50'11.6780"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	1263.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	1263.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot B)	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	341.00°

RECEIVED
 Office of Oil and Gas
 JAN 05 2024
 WV Department of
 Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'

Page 2 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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	319.350	0.00	0.00	0.00	0.00	1686474.03	14361457.62	39°32'52.3400"N	80°50'11.8180"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	319.350	30.00	0.00	0.00	0.00	1686474.03	14361457.62	39°32'52.3400"N	80°50'11.8180"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.180	319.350	100.00	0.10	0.08	-0.07	1686473.96	14361457.70	39°32'52.3408"N	80°50'11.8189"W	0.11	319.350	0.26	0.26	0.00	Gyrodata MS Gyro <17-1/2"> (100'-261')
200.00	0.290	315.230	200.00	0.48	0.38	-0.35	1686473.68	14361458.00	39°32'52.3438"N	80°50'11.8225"W	0.52	317.345	0.11	0.11	-4.12	
261.00	0.410	288.490	261.00	0.75	0.56	-0.67	1686473.36	14361458.18	39°32'52.3456"N	80°50'11.8265"W	0.87	310.033	0.33	0.20	-43.84	
415.00	0.400	262.230	414.99	1.19	0.66	-1.72	1686472.31	14361458.28	39°32'52.3466"N	80°50'11.8400"W	1.85	291.050	0.12	-0.01	-17.05	APS EM <12-1/4"> (261')(415-3465')
504.00	1.430	280.370	503.98	1.79	0.82	-3.12	1686470.91	14361458.44	39°32'52.3482"N	80°50'11.8578"W	3.23	284.729	1.19	1.16	20.38	
593.00	3.290	283.270	592.90	3.70	1.61	-6.70	1686467.33	14361459.23	39°32'52.3560"N	80°50'11.9035"W	6.89	283.486	2.09	2.09	3.26	
681.00	5.280	285.700	680.65	7.36	3.28	-13.06	1686460.98	14361460.90	39°32'52.3727"N	80°50'11.9846"W	13.46	284.111	2.27	2.26	2.76	
770.00	6.980	281.760	769.14	12.45	5.49	-22.30	1686451.74	14361463.11	39°32'52.3947"N	80°50'12.1025"W	22.96	283.841	1.97	1.91	-4.43	
860.00	8.920	283.540	858.27	19.00	8.24	-34.43	1686439.61	14361465.86	39°32'52.4221"N	80°50'12.2574"W	35.41	283.460	2.17	2.16	1.98	
947.00	10.430	283.450	944.03	26.86	11.65	-48.65	1686425.40	14361469.27	39°32'52.4560"N	80°50'12.4388"W	50.03	283.469	1.74	1.74	-0.10	
1038.00	10.780	282.990	1033.48	35.79	15.48	-64.95	1686409.10	14361473.10	39°32'52.4942"N	80°50'12.6468"W	66.77	283.406	0.40	0.38	-0.51	
1132.00	12.240	283.390	1125.58	45.78	19.77	-83.21	1686390.85	14361477.38	39°32'52.5368"N	80°50'12.8798"W	85.53	283.361	1.56	1.55	0.43	
1227.00	13.740	280.230	1218.15	56.68	24.10	-104.12	1686369.96	14361481.71	39°32'52.5801"N	80°50'13.1465"W	106.87	283.034	1.75	1.58	-3.33	
1321.00	15.250	277.840	1309.16	67.72	27.77	-127.35	1686346.73	14361485.38	39°32'52.6167"N	80°50'13.4430"W	130.34	282.302	1.73	1.61	-2.54	
1416.00	17.290	276.010	1400.35	79.33	30.95	-153.77	1686320.32	14361488.56	39°32'52.6487"N	80°50'13.7802"W	156.85	281.381	2.21	2.15	-1.93	
1510.00	19.040	276.580	1489.66	91.86	34.17	-182.90	1686291.21	14361491.78	39°32'52.6810"N	80°50'14.1520"W	186.06	280.583	1.87	1.86	0.61	
1605.00	19.130	275.930	1579.44	105.11	37.56	-213.77	1686260.34	14361495.16	39°32'52.7150"N	80°50'14.5460"W	217.05	279.964	0.24	0.09	-0.68	
1699.00	19.080	273.780	1668.26	117.55	40.16	-244.42	1686229.70	14361497.77	39°32'52.7413"N	80°50'14.9373"W	247.70	279.331	0.75	-0.05	-2.29	
1794.00	19.120	271.590	1758.03	129.03	41.62	-275.47	1686198.67	14361499.22	39°32'52.7562"N	80°50'15.3335"W	278.60	278.591	0.76	0.04	-2.31	
1888.00	19.280	269.640	1846.81	139.41	41.95	-306.38	1686167.78	14361499.55	39°32'52.7600"N	80°50'15.7281"W	309.24	277.796	0.70	0.17	-2.07	
1982.00	19.070	267.030	1935.59	148.61	41.05	-337.23	1686136.93	14361498.66	39°32'52.7518"N	80°50'16.1220"W	339.72	276.941	0.94	-0.22	-2.78	
2077.00	18.440	263.970	2025.55	156.27	38.67	-367.67	1686106.50	14361496.27	39°32'52.7288"N	80°50'16.5106"W	369.70	276.004	1.23	-0.66	-3.22	
2171.00	18.190	262.130	2114.79	162.44	35.10	-396.99	1686077.20	14361492.71	39°32'52.6940"N	80°50'16.8850"W	398.54	275.053	0.67	-0.27	-1.96	
2266.00	18.540	260.680	2204.95	167.84	30.62	-426.58	1686047.62	14361488.23	39°32'52.6503"N	80°50'17.2628"W	427.68	274.106	0.61	0.37	-1.53	
2360.00	17.780	263.170	2294.27	173.38	26.50	-455.58	1686018.63	14361484.11	39°32'52.6100"N	80°50'17.6331"W	456.35	273.329	1.16	-0.81	2.65	
2455.00	17.770	263.930	2384.73	179.68	23.24	-484.40	1685989.82	14361480.85	39°32'52.5783"N	80°50'18.0011"W	484.96	272.747	0.24	-0.01	0.80	
2550.00	17.810	260.870	2475.19	185.41	19.40	-513.16	1685961.07	14361477.01	39°32'52.5409"N	80°50'18.3683"W	513.53	272.165	0.98	0.04	-3.22	
2644.00	16.860	263.750	2564.93	190.88	15.63	-540.91	1685933.34	14361473.25	39°32'52.5042"N	80°50'18.7226"W	541.13	271.656	1.36	-1.01	3.06	

RECEIVED
Office of Oil and Gas
JAN 05 2024
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 3 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
2739.00	16.810	267.750	2655.86	197.88	13.60	-568.33	1685905.93	14361471.21	39°32'52.4845"N	80°50'19.0727"W	568.49	271.370	1.22	-0.05	4.21	
2833.00	16.240	270.620	2745.98	206.22	13.20	-595.05	1685879.21	14361470.82	39°32'52.4811"N	80°50'19.4138"W	595.20	271.271	1.06	-0.61	3.05	
2927.00	15.670	275.040	2836.36	215.80	14.46	-620.84	1685853.43	14361472.08	39°32'52.4940"N	80°50'19.7430"W	621.01	271.334	1.43	-0.61	4.70	
3021.00	15.250	274.330	2926.96	225.87	16.51	-645.82	1685828.47	14361474.12	39°32'52.5147"N	80°50'20.0618"W	646.03	271.464	0.49	-0.45	-0.76	
3116.00	15.890	275.300	3018.47	236.17	18.65	-671.22	1685803.07	14361476.27	39°32'52.5363"N	80°50'20.3861"W	671.48	271.592	0.73	0.67	1.02	
3210.00	16.690	275.100	3108.69	246.97	21.04	-697.48	1685776.83	14361478.66	39°32'52.5604"N	80°50'20.7212"W	697.80	271.728	0.85	0.85	-0.21	
3305.00	16.260	274.270	3199.79	257.80	23.25	-724.33	1685749.99	14361480.86	39°32'52.5826"N	80°50'21.0639"W	724.71	271.838	0.52	-0.45	-0.87	
3400.00	15.610	272.250	3291.14	267.69	24.74	-750.37	1685723.96	14361482.35	39°32'52.5979"N	80°50'21.3963"W	750.78	271.888	0.90	-0.68	-2.13	
3465.00	15.490	271.720	3353.77	273.93	25.34	-767.78	1685706.55	14361482.95	39°32'52.6041"N	80°50'21.6185"W	768.20	271.890	0.29	-0.18	-0.82	
3589.00	14.490	266.680	3473.55	283.98	24.94	-799.82	1685674.53	14361482.55	39°32'52.6007"N	80°50'22.0276"W	800.21	271.786	1.32	-0.81	-4.06	APS EM <8-3/4"> (3465')(3589'-6235')
3684.00	14.820	268.020	3565.46	290.75	23.83	-823.83	1685650.53	14361481.44	39°32'52.5902"N	80°50'22.3341"W	824.18	271.657	0.50	0.35	1.41	
3778.00	15.390	267.830	3656.21	297.88	22.95	-848.31	1685626.06	14361480.56	39°32'52.5819"N	80°50'22.6466"W	848.62	271.549	0.61	0.61	-0.20	
3873.00	16.160	268.970	3747.63	305.61	22.23	-874.13	1685600.25	14361479.84	39°32'52.5752"N	80°50'22.9761"W	874.41	271.457	0.87	0.81	1.20	
3967.00	17.840	274.010	3837.53	315.27	23.00	-901.57	1685572.82	14361480.61	39°32'52.5834"N	80°50'23.3265"W	901.86	271.461	2.38	1.79	5.36	
4062.00	18.040	275.550	3927.91	327.07	25.44	-930.73	1685543.67	14361483.05	39°32'52.6080"N	80°50'23.6986"W	931.08	271.566	0.54	0.21	1.62	
4156.00	16.750	271.440	4017.61	337.85	27.19	-958.76	1685515.65	14361484.80	39°32'52.6258"N	80°50'24.0564"W	959.14	271.624	1.89	-1.37	-4.37	
4251.00	17.250	272.710	4108.46	347.84	28.20	-986.51	1685487.91	14361485.81	39°32'52.6362"N	80°50'24.4107"W	986.92	271.637	0.66	0.53	1.34	
4346.00	17.810	272.740	4199.05	358.43	29.56	-1015.10	1685459.34	14361487.17	39°32'52.6502"N	80°50'24.7755"W	1015.53	271.668	0.59	0.59	0.03	
4442.00	18.210	272.520	4290.34	369.37	30.92	-1044.75	1685429.70	14361488.53	39°32'52.6642"N	80°50'25.1540"W	1045.20	271.695	0.42	0.42	-0.23	
4536.00	19.870	277.630	4379.20	381.92	33.69	-1075.26	1685399.20	14361491.30	39°32'52.6920"N	80°50'25.5434"W	1075.78	271.795	2.50	1.77	5.44	
4631.00	20.340	277.890	4468.41	396.63	38.10	-1107.61	1685366.86	14361495.70	39°32'52.7362"N	80°50'25.9564"W	1108.27	271.970	0.50	0.49	0.27	
4725.00	19.070	273.780	4556.91	409.96	41.35	-1139.12	1685335.36	14361498.96	39°32'52.7689"N	80°50'26.3585"W	1139.87	272.079	2.00	-1.35	-4.37	
4820.00	19.040	274.310	4646.71	422.10	43.54	-1170.06	1685304.44	14361501.15	39°32'52.7911"N	80°50'26.7534"W	1170.87	272.131	0.18	-0.03	0.56	
4915.00	19.140	275.340	4736.48	434.65	46.16	-1201.02	1685273.49	14361503.76	39°32'52.8175"N	80°50'27.1485"W	1201.90	272.201	0.37	0.11	1.08	
5009.00	19.430	275.630	4825.21	447.52	49.12	-1231.92	1685242.60	14361506.73	39°32'52.8473"N	80°50'27.5430"W	1232.90	272.284	0.32	0.31	0.31	
5103.00	20.190	279.130	4913.65	461.69	53.23	-1263.50	1685211.04	14361510.83	39°32'52.8885"N	80°50'27.9460"W	1264.62	272.413	1.50	0.81	3.72	
5198.00	18.740	273.790	5003.22	475.33	56.84	-1294.91	1685179.63	14361514.44	39°32'52.9247"N	80°50'28.3469"W	1296.16	272.514	2.41	-1.53	-5.62	
5292.00	19.340	274.480	5092.08	487.38	59.06	-1325.50	1685149.06	14361516.65	39°32'52.9471"N	80°50'28.7373"W	1326.81	272.551	0.68	0.64	0.73	
5387.00	19.880	276.970	5181.57	500.72	62.25	-1357.22	1685117.36	14361519.84	39°32'52.9792"N	80°50'29.1421"W	1358.64	272.626	1.05	0.57	2.62	
5481.00	18.680	274.160	5270.30	513.64	65.28	-1388.10	1685086.49	14361522.87	39°32'53.0097"N	80°50'29.5362"W	1389.63	272.692	1.61	-1.28	-2.99	

RECEIVED
Office of Oil and Gas
JAN 05 2024
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 4 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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)	
5575.00	17.760	270.230	5359.59	524.28	66.43	-1417.45	1685057.15	14361524.02	39°32'53.0216"N	80°50'29.9109"W	1419.00	272.683	1.63	-0.98	-4.18	
5689.00	17.850	272.140	5449.09	534.20	67.02	-1446.18	1685028.43	14361524.62	39°32'53.0280"N	80°50'30.2777"W	1447.73	272.653	0.63	0.10	2.03	
5763.00	17.510	277.130	5538.65	545.63	69.32	-1474.61	1685000.01	14361526.91	39°32'53.0511"N	80°50'30.6406"W	1476.24	272.691	1.65	-0.36	5.31	
5857.00	16.530	271.130	5628.54	556.46	71.34	-1502.01	1684972.62	14361528.93	39°32'53.0715"N	80°50'30.9903"W	1503.71	272.719	2.14	-1.04	-6.38	
5952.00	16.210	269.710	5719.69	565.36	71.53	-1528.79	1684945.85	14361529.13	39°32'53.0740"N	80°50'31.3321"W	1530.46	272.679	0.54	-0.34	-1.49	
6046.00	16.760	274.190	5809.83	574.91	72.46	-1555.42	1684919.23	14361530.05	39°32'53.0836"N	80°50'31.6721"W	1557.11	272.667	1.47	0.59	4.77	
6141.00	15.890	272.260	5901.00	585.02	73.97	-1582.08	1684892.58	14361531.56	39°32'53.0990"N	80°50'32.0124"W	1583.81	272.677	1.08	-0.92	-2.03	
6235.00	16.090	275.160	5991.36	595.01	75.65	-1607.91	1684866.76	14361533.24	39°32'53.1160"N	80°50'32.3421"W	1609.69	272.694	0.88	0.21	3.09	
6287.00	14.920	271.990	6041.47	600.36	76.53	-1621.78	1684852.90	14361534.12	39°32'53.1250"N	80°50'32.5191"W	1623.59	272.702	2.78	-2.25	-6.10	BH AT Curve <8-1/2"> (6235')(6287'-25127')
6363.00	16.450	270.890	6114.64	607.53	77.04	-1642.32	1684832.37	14361534.63	39°32'53.1303"N	80°50'32.7813"W	1644.13	272.686	2.05	2.01	-1.45	
6458.00	17.620	290.110	6205.64	621.19	82.20	-1669.29	1684805.40	14361539.78	39°32'53.1818"N	80°50'33.1255"W	1671.32	272.819	6.03	1.23	20.23	
6552.00	22.120	302.340	6293.96	644.00	96.57	-1697.63	1684777.08	14361554.15	39°32'53.3243"N	80°50'33.4869"W	1700.38	273.256	6.49	4.79	13.01	
6646.00	29.510	315.730	6378.59	678.83	122.67	-1728.81	1684745.91	14361580.24	39°32'53.5828"N	80°50'33.8844"W	1733.16	274.059	9.97	7.86	14.24	
6724.00†	35.666	324.636	6444.32	718.09	155.02	-1755.43	1684719.31	14361612.58	39°32'53.9030"N	80°50'34.2234"W	1762.26	275.047	9.99	7.89	11.42	Sycamore: 6724' MD
6741.00	37.080	326.220	6458.01	727.80	163.32	-1761.14	1684713.59	14361620.88	39°32'53.9852"N	80°50'34.2962"W	1768.70	275.298	9.99	8.32	9.32	
6836.00	43.870	329.740	6530.24	787.85	215.63	-1793.70	1684681.05	14361673.16	39°32'54.5027"N	80°50'34.7106"W	1806.61	276.855	7.54	7.15	3.71	
6868.00†	46.715	331.465	6552.75	810.22	235.44	-1804.85	1684669.90	14361692.97	39°32'54.6987"N	80°50'34.8526"W	1820.14	277.432	9.68	8.89	5.39	Middlesex: 6868' MD
6930.00	52.290	334.390	6593.01	856.88	277.42	-1826.25	1684648.51	14361734.93	39°32'55.1140"N	80°50'35.1248"W	1847.20	278.638	9.68	8.99	4.72	
7015.00†	59.533	337.397	6640.62	926.94	341.65	-1854.91	1684619.86	14361799.14	39°32'55.7493"N	80°50'35.4892"W	1886.11	280.436	9.01	8.52	3.54	Burkett: 7015' MD
7025.00	60.390	337.720	6645.63	935.58	349.66	-1858.21	1684616.56	14361807.14	39°32'55.8284"N	80°50'35.5312"W	1890.82	280.657	9.01	8.57	3.23	
7056.00†	62.725	338.421	6660.39	962.80	374.94	-1868.39	1684606.39	14361832.41	39°32'56.0785"N	80°50'35.6606"W	1905.64	281.347	7.79	7.53	2.26	Tully: 7056' MD
7119.00	67.480	339.760	6686.91	1019.90	428.31	-1888.77	1684586.02	14361885.76	39°32'56.6063"N	80°50'35.9195"W	1936.72	282.777	7.79	7.55	2.13	
7214.00	74.160	339.660	6718.10	1109.55	512.42	-1919.86	1684554.93	14361969.84	39°32'57.4381"N	80°50'36.3146"W	1987.07	284.944	7.03	7.03	-0.11	
7222.00†	74.615	339.689	6720.25	1117.25	519.65	-1922.54	1684552.26	14361977.06	39°32'57.5096"N	80°50'36.3486"W	1991.53	285.125	5.70	5.69	0.36	Marcellus POE: 7222' MD
7259.00	76.720	339.820	6729.41	1153.09	553.28	-1934.94	1684539.86	14362010.68	39°32'57.8422"N	80°50'36.5062"W	2012.49	285.957	5.70	5.69	0.35	
7308.00	80.880	339.860	6738.93	1201.14	598.39	-1951.51	1684523.30	14362055.77	39°32'58.2883"N	80°50'36.7167"W	2041.19	287.047	8.49	8.49	0.08	
7403.00	88.210	340.240	6747.95	1295.63	687.22	-1983.75	1684491.07	14362144.57	39°32'59.1668"N	80°50'37.1263"W	2099.41	289.107	7.73	7.72	0.40	
7497.00	90.090	339.560	6749.35	1389.60	775.48	-2016.05	1684458.79	14362232.79	39°33'0.0397"N	80°50'37.5367"W	2160.05	291.040	2.13	2.00	-0.72	
7592.00	90.520	339.680	6748.84	1484.57	864.54	-2049.13	1684425.72	14362321.81	39°33'0.9204"N	80°50'37.9570"W	2224.04	292.875	0.47	0.45	0.13	
7686.00	90.920	340.580	6747.66	1578.55	952.93	-2081.08	1684393.78	14362410.17	39°33'1.7946"N	80°50'38.3629"W	2288.88	294.603	1.05	0.43	0.96	

RECEIVED
Office of Oil and Gas
JAN 05 2024
Environmental Protection
Department of



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 5 of 13



REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Cider Run Unit 2H
Field	Tyler		API	47-095-02840-0000
Facility	Ed Yost Pad		Wellbore	Cider Run Unit 2H AWB
Slot	Slot B			

WELLPATH DATA (275 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
7770.00	90.220	339.860	6746.82	1662.53	1031.97	-2109.50	1684365.37	14362489.18	39°33'2.5762"N	80°50'38.7240"W	2348.40	296.068	1.20	-0.83	-0.86	
7864.00	91.020	340.390	6745.81	1756.52	1120.37	-2141.46	1684333.43	14362577.54	39°33'3.4504"N	80°50'39.1300"W	2416.83	297.618	1.02	0.85	0.56	
8053.00	91.600	340.890	6741.49	1945.46	1298.63	-2204.10	1684270.82	14362755.73	39°33'5.2133"N	80°50'39.9257"W	2558.22	300.506	0.41	0.31	0.26	
8147.00	89.940	339.590	6740.22	2039.44	1387.08	-2235.87	1684239.05	14362844.15	39°33'6.0881"N	80°50'40.3294"W	2631.18	301.815	2.24	-1.77	-1.38	
8242.00	91.380	340.540	6739.13	2134.42	1476.38	-2268.26	1684206.68	14362933.41	39°33'6.9712"N	80°50'40.7409"W	2706.42	303.060	1.82	1.52	1.00	
8337.00	89.910	339.830	6738.06	2229.40	1565.75	-2300.46	1684174.49	14363022.74	39°33'7.8549"N	80°50'41.1500"W	2782.75	304.240	1.72	-1.55	-0.75	
8431.00	91.230	339.810	6737.12	2323.37	1653.97	-2332.88	1684142.08	14363110.93	39°33'8.7274"N	80°50'41.5620"W	2859.71	305.336	1.40	1.40	-0.02	
8525.00	90.460	340.010	6735.74	2417.34	1742.24	-2365.17	1684109.81	14363199.16	39°33'9.6004"N	80°50'41.9722"W	2937.59	306.376	0.85	-0.82	0.21	
8620.00	90.830	339.700	6734.67	2512.32	1831.42	-2397.88	1684077.10	14363288.31	39°33'10.4823"N	80°50'42.3879"W	3017.28	307.371	0.51	0.39	-0.33	
8714.00	90.650	339.890	6733.45	2606.29	1919.63	-2430.35	1684044.65	14363376.48	39°33'11.3547"N	80°50'42.8004"W	3097.03	308.304	0.28	-0.19	0.20	
8808.00	90.710	340.080	6732.34	2700.27	2007.95	-2462.52	1684012.50	14363464.77	39°33'12.2281"N	80°50'43.2092"W	3177.40	309.194	0.21	0.06	0.20	
8903.00	90.800	340.210	6731.09	2795.25	2097.29	-2494.78	1683980.25	14363554.07	39°33'13.1117"N	80°50'43.6191"W	3259.23	310.053	0.17	0.09	0.14	
8997.00	90.710	340.380	6729.85	2889.24	2185.78	-2526.47	1683948.57	14363642.53	39°33'13.9867"N	80°50'44.0218"W	3340.76	310.865	0.20	-0.10	0.18	
9092.00	90.800	340.710	6728.60	2984.22	2275.35	-2558.11	1683916.94	14363732.06	39°33'14.8725"N	80°50'44.4237"W	3423.62	311.652	0.36	0.09	0.35	
9186.00	89.110	340.000	6728.67	3078.21	2363.87	-2589.71	1683885.35	14363820.55	39°33'15.7479"N	80°50'44.8252"W	3506.35	312.390	1.95	-1.80	-0.76	
9281.00	91.910	340.760	6727.82	3173.19	2453.34	-2621.61	1683853.47	14363909.98	39°33'16.6328"N	80°50'45.2305"W	3590.50	313.101	3.05	2.95	0.80	
9375.00	90.430	339.760	6725.91	3267.16	2541.80	-2653.35	1683821.74	14363998.40	39°33'17.5075"N	80°50'45.6337"W	3674.37	313.770	1.90	-1.57	-1.06	
9470.00	90.340	339.290	6725.27	3362.13	2630.79	-2686.58	1683788.53	14364087.36	39°33'18.3876"N	80°50'46.0560"W	3760.16	314.399	0.50	-0.09	-0.49	
9564.00	90.400	339.940	6724.66	3456.10	2718.91	-2719.32	1683755.80	14364175.44	39°33'19.2590"N	80°50'46.4721"W	3845.41	314.996	0.69	0.06	0.69	
9659.00	91.050	340.190	6723.46	3551.08	2808.21	-2751.71	1683723.42	14364264.70	39°33'20.1421"N	80°50'46.8837"W	3931.65	315.582	0.73	0.68	0.26	
9753.00	89.880	340.150	6722.69	3645.06	2896.63	-2783.59	1683691.55	14364353.09	39°33'21.0166"N	80°50'47.2888"W	4017.32	316.140	1.25	-1.24	-0.04	
9848.00	91.390	340.780	6721.64	3740.05	2986.15	-2815.36	1683659.80	14364442.58	39°33'21.9019"N	80°50'47.6924"W	4104.06	316.686	1.72	1.59	0.66	
9942.00	90.550	339.690	6720.05	3834.03	3074.60	-2847.14	1683628.03	14364530.99	39°33'22.7766"N	80°50'48.0962"W	4190.39	317.200	1.46	-0.89	-1.16	
10037.00	90.590	340.530	6719.11	3929.01	3163.93	-2879.46	1683595.72	14364620.28	39°33'23.6600"N	80°50'48.5069"W	4278.05	317.695	0.89	0.04	0.88	
10131.00	90.800	340.330	6717.97	4023.00	3252.49	-2910.94	1683564.25	14364708.81	39°33'24.5358"N	80°50'48.9070"W	4364.89	318.172	0.31	0.22	-0.21	
10226.00	90.060	340.410	6717.25	4117.99	3341.96	-2942.85	1683532.35	14364798.25	39°33'25.4206"N	80°50'49.3125"W	4452.99	318.634	0.78	-0.78	0.08	
10320.00	90.280	340.890	6716.97	4211.99	3430.65	-2974.00	1683501.22	14364886.90	39°33'26.2977"N	80°50'49.7082"W	4540.27	319.078	0.56	0.23	0.51	
10415.00	91.080	340.150	6715.85	4306.97	3520.21	-3005.68	1683469.55	14364976.42	39°33'27.1833"N	80°50'50.1107"W	4628.82	319.508	1.15	0.84	-0.78	
10510.00	89.630	340.270	6715.26	4401.96	3609.59	-3037.84	1683437.40	14365065.77	39°33'28.0673"N	80°50'50.5194"W	4717.80	319.916	1.53	-1.53	0.13	
10604.00	91.050	340.120	6714.70	4495.95	3698.03	-3069.69	1683405.57	14365154.17	39°33'28.9418"N	80°50'50.9241"W	4806.08	320.304	1.52	1.51	-0.16	

RECEIVED
Office of Oil and Gas
JAN 05 2024
Department of
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 6 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
10699.00	89.350	339.190	6714.37	4590.92	3787.10	-3102.72	1683372.55	14365243.20	39°33'29.8227"N	80°50'51.3438"W	4895.81	320.673	2.04	-1.79	-0.98	
10793.00	90.370	341.490	6714.60	4684.90	3875.61	-3134.34	1683340.94	14365331.68	39°33'30.6980"N	80°50'51.7456"W	4984.42	321.036	2.68	1.09	2.45	
10888.00	91.260	340.120	6713.25	4779.89	3965.32	-3165.57	1683309.73	14365421.35	39°33'31.5851"N	80°50'52.1424"W	5073.91	321.399	1.72	0.94	-1.44	
10983.00	90.030	340.100	6712.18	4874.87	4054.64	-3197.89	1683277.42	14365510.64	39°33'32.4685"N	80°50'52.5531"W	5163.97	321.737	1.29	-1.29	-0.02	
11077.00	91.050	340.550	6711.29	4968.86	4143.15	-3229.53	1683245.79	14365599.11	39°33'33.3437"N	80°50'52.9552"W	5253.15	322.064	1.19	1.09	0.48	
11171.00	88.710	339.320	6711.49	5062.83	4231.44	-3261.78	1683213.55	14365687.37	39°33'34.2168"N	80°50'53.3651"W	5342.68	322.373	2.81	-2.49	-1.31	
11266.00	91.660	341.410	6711.18	5157.81	4320.90	-3293.70	1683181.65	14365776.79	39°33'35.1015"N	80°50'53.7706"W	5433.10	322.683	3.81	3.11	2.20	
11361.00	90.220	339.110	6709.62	5252.78	4410.29	-3325.78	1683149.58	14365866.15	39°33'35.9856"N	80°50'54.1783"W	5523.72	322.980	2.86	-1.52	-2.42	
11455.00	90.090	341.390	6709.37	5346.77	4498.76	-335.54	1683117.83	14365954.58	39°33'36.8604"N	80°50'54.5819"W	5613.54	323.265	2.43	-0.14	2.43	
11550.00	89.820	341.350	6709.44	5441.76	4588.78	-3387.89	1683087.50	14366044.57	39°33'37.7507"N	80°50'54.9675"W	5703.92	323.562	0.29	-0.28	-0.04	
11644.00	90.430	341.720	6709.24	5535.76	4677.94	-3417.66	1683057.74	14366133.69	39°33'38.6323"N	80°50'55.3457"W	5793.40	323.848	0.76	0.65	0.39	
11738.00	90.310	341.120	6708.63	5629.75	4767.04	-3447.61	1683027.80	14366222.75	39°33'39.5134"N	80°50'55.7262"W	5883.08	324.125	0.65	-0.13	-0.64	
11833.00	89.880	341.300	6708.47	5724.75	4856.97	-3478.21	1682997.21	14366312.65	39°33'40.4028"N	80°50'56.1149"W	5973.95	324.393	0.49	-0.45	0.19	
11928.00	91.170	341.020	6707.60	5819.75	4946.88	-3508.88	1682966.55	14366402.52	39°33'41.2918"N	80°50'56.5047"W	6064.97	324.651	1.39	1.36	-0.29	
12022.00	89.380	340.020	6707.15	5913.74	5035.49	-3540.23	1682935.22	14366491.10	39°33'42.1682"N	80°50'56.9030"W	6155.44	324.891	2.18	-1.90	-1.06	
12116.00	90.460	341.480	6707.28	6007.73	5124.23	-3571.22	1682904.24	14366579.81	39°33'43.0457"N	80°50'57.2968"W	6245.91	325.126	1.93	1.15	1.55	
12211.00	89.690	340.060	6707.16	6102.73	5213.93	-3602.51	1682872.96	14366669.47	39°33'43.9327"N	80°50'57.6943"W	6337.44	325.358	1.70	-0.81	-1.49	
12306.00	89.510	339.840	6707.82	6197.71	5303.17	-3635.08	1682840.41	14366758.67	39°33'44.8152"N	80°50'58.1083"W	6429.42	325.571	0.30	-0.19	-0.23	
12400.00	89.780	341.280	6708.40	6291.70	5391.81	-3666.36	1682809.14	14366847.27	39°33'45.6918"N	80°50'58.5058"W	6520.26	325.785	1.56	0.29	1.53	
12495.00	90.830	341.410	6707.90	6386.70	5481.81	-3696.75	1682778.76	14366937.24	39°33'46.5818"N	80°50'58.8919"W	6611.82	326.006	1.11	1.11	0.14	
12589.00	88.950	339.470	6708.08	6480.69	5570.38	-3728.21	1682747.31	14367025.77	39°33'47.4577"N	80°50'59.2918"W	6702.89	326.206	2.87	-2.00	-2.06	
12684.00	89.780	341.560	6709.13	6575.67	5659.93	-3759.90	1682715.63	14367115.29	39°33'48.3432"N	80°50'59.6944"W	6794.97	326.404	2.37	0.87	2.20	
12779.00	90.800	342.010	6708.65	6670.66	5750.17	-3789.59	1682685.95	14367205.49	39°33'49.2356"N	80°51'0.0717"W	6886.61	326.613	1.17	1.07	0.47	
12873.00	89.940	341.490	6708.04	6764.65	5839.43	-3819.03	1682656.53	14367294.72	39°33'50.1183"N	80°51'0.4456"W	6977.39	326.815	1.07	-0.91	-0.55	
12967.00	89.940	343.180	6708.14	6858.62	5929.00	-3847.55	1682628.02	14367384.25	39°33'51.0040"N	80°51'0.8079"W	7068.00	327.019	1.80	0.00	1.80	
13061.00	90.770	342.250	6707.56	6952.57	6018.75	-3875.48	1682600.10	14367473.96	39°33'51.8915"N	80°51'1.1626"W	7158.54	327.222	1.33	0.88	-0.99	
13156.00	90.340	341.210	6706.64	7047.56	6108.96	-3905.26	1682570.33	14367564.13	39°33'52.7835"N	80°51'1.5409"W	7250.54	327.411	1.18	-0.45	-1.09	
13251.00	89.050	342.170	6707.15	7142.55	6199.14	-3935.10	1682540.50	14367654.28	39°33'53.6753"N	80°51'1.9201"W	7342.64	327.593	1.69	-1.36	1.01	
13345.00	91.230	342.770	6706.92	7236.51	6288.77	-3963.42	1682512.20	14367743.88	39°33'54.5616"N	80°51'2.2797"W	7433.52	327.779	2.41	2.32	0.64	
13439.00	89.880	342.600	6706.01	7330.46	6378.50	-3991.39	1682484.23	14367833.57	39°33'55.4489"N	80°51'2.6350"W	7524.39	327.963	1.45	-1.44	-0.18	

RECEIVED
Office of Oil and Gas
JAN 05 2024
WV Department of
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'

Page 7 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
13534.00	90.550	341.820	6705.65	7425.44	6468.96	-4020.42	1682455.22	14367923.99	39°33'56.3434"N	80°51'3.0037"W	7616.51	328.139	1.08	0.71	-0.82	
13628.00	89.290	341.420	6705.78	7519.43	6558.16	-4050.05	1682425.59	14368013.16	39°33'57.2255"N	80°51'3.3802"W	7707.95	328.302	1.41	-1.34	-0.43	
13722.00	90.340	342.900	6706.08	7613.41	6647.64	-4078.85	1682396.81	14368102.60	39°33'58.1102"N	80°51'3.7460"W	7799.24	328.468	1.93	1.12	1.57	
13817.00	90.710	342.560	6705.21	7708.36	6738.35	-4107.05	1682368.62	14368193.28	39°33'59.0072"N	80°51'4.1042"W	7891.34	328.638	0.53	0.39	-0.36	
13911.00	90.460	342.580	6704.25	7802.32	6828.03	-4135.21	1682340.47	14368282.92	39°33'59.8940"N	80°51'4.4619"W	7982.60	328.800	0.27	-0.27	0.02	
14006.00	92.120	343.010	6702.11	7897.25	6918.75	-4163.30	1682312.39	14368373.61	39°34'0.7911"N	80°51'4.8186"W	8074.79	328.963	1.81	1.75	0.45	
14100.00	91.320	341.550	6699.29	7991.18	7008.25	-4191.90	1682283.81	14368463.07	39°34'1.6761"N	80°51'5.1819"W	8166.24	329.115	1.77	-0.85	-1.55	
14194.00	90.830	341.880	6697.53	8085.15	7097.49	-4221.38	1682254.33	14368552.27	39°34'2.5585"N	80°51'5.5565"W	8257.99	329.257	0.63	-0.52	0.35	
14289.00	91.420	342.010	6695.66	8180.12	7187.79	-4250.82	1682224.91	14368642.54	39°34'3.4515"N	80°51'5.9305"W	8350.68	329.400	0.64	0.62	0.14	
14384.00	89.600	340.740	6694.82	8275.11	7277.81	-4281.16	1682194.58	14368732.52	39°34'4.3416"N	80°51'6.3160"W	8443.62	329.534	2.34	-1.92	-1.34	
14478.00	90.740	342.300	6694.54	8369.10	7366.95	-4310.95	1682164.80	14368821.63	39°34'5.2232"N	80°51'6.6946"W	8535.59	329.665	2.06	1.21	1.66	
14572.00	90.120	342.560	6693.83	8463.07	7456.57	-4339.33	1682136.44	14368911.21	39°34'6.1093"N	80°51'7.0550"W	8627.29	329.803	0.72	-0.66	0.28	
14667.00	91.320	342.750	6692.64	8558.02	7547.24	-4367.65	1682108.13	14369001.84	39°34'7.0059"N	80°51'7.4147"W	8719.93	329.942	1.28	1.26	0.20	
14761.00	90.310	342.250	6691.30	8651.98	7636.88	-4395.91	1682079.88	14369091.44	39°34'7.8923"N	80°51'7.7738"W	8811.69	330.075	1.20	-1.07	-0.53	
14856.00	90.460	343.020	6690.67	8746.93	7727.54	-4424.26	1682051.54	14369182.08	39°34'8.7888"N	80°51'8.1339"W	8904.44	330.208	0.83	0.16	0.81	
14950.00	90.000	342.080	6690.29	8840.90	7817.22	-4452.45	1682023.36	14369271.71	39°34'9.6755"N	80°51'8.4920"W	8996.29	330.335	1.11	-0.49	-1.00	
15045.00	90.090	342.020	6690.21	8935.88	7907.59	-4481.73	1681994.09	14369362.05	39°34'10.5692"N	80°51'8.8639"W	9089.33	330.457	0.11	0.09	-0.06	
15139.00	90.310	342.450	6689.89	9029.86	7997.11	-4510.41	1681965.42	14369451.53	39°34'11.4544"N	80°51'9.2283"W	9181.37	330.577	0.51	0.23	0.46	
15234.00	89.880	341.860	6689.73	9124.84	8087.54	-4539.52	1681936.32	14369541.93	39°34'12.3486"N	80°51'9.5981"W	9274.45	330.695	0.77	-0.45	-0.62	
15328.00	90.120	341.710	6689.73	9218.83	8176.83	-4568.90	1681906.95	14369631.18	39°34'13.2315"N	80°51'9.9715"W	9366.72	330.805	0.30	0.26	-0.16	
15422.00	90.090	341.310	6689.56	9312.83	8265.97	-4598.71	1681877.15	14369720.29	39°34'14.1131"N	80°51'10.3503"W	9459.10	330.911	0.43	-0.03	-0.43	
15517.00	89.540	341.440	6689.86	9407.82	8356.00	-4629.05	1681846.83	14369810.28	39°34'15.0033"N	80°51'10.7358"W	9552.53	331.014	0.59	-0.58	0.14	
15611.00	90.710	343.470	6689.86	9501.79	8445.62	-4657.39	1681818.50	14369899.86	39°34'15.8895"N	80°51'11.0958"W	9644.67	331.125	2.49	1.24	2.16	
15706.00	89.510	341.570	6689.47	9596.75	8536.23	-4685.92	1681789.98	14369990.43	39°34'16.7855"N	80°51'11.4583"W	9737.81	331.236	2.37	-1.26	-2.00	
15800.00	89.850	343.220	6690.00	9690.71	8625.82	-4714.35	1681761.56	14370079.99	39°34'17.6714"N	80°51'11.8194"W	9830.05	331.342	1.79	0.36	1.76	
15894.00	90.990	342.270	6689.31	9784.67	8715.58	-4742.23	1681733.69	14370169.72	39°34'18.5590"N	80°51'12.1736"W	9922.21	331.449	1.58	1.21	-1.01	
15989.00	89.910	342.340	6688.56	9879.64	8806.08	-4771.11	1681704.83	14370260.19	39°34'19.4539"N	80°51'12.5404"W	10015.52	331.551	1.14	-1.14	0.07	
16083.00	90.000	341.780	6688.64	9973.62	8895.51	-4800.06	1681675.89	14370349.58	39°34'20.3382"N	80°51'12.9083"W	10107.95	331.648	0.60	0.10	-0.60	
16178.00	90.000	342.530	6688.64	10068.60	8985.94	-4829.17	1681646.79	14370439.97	39°34'21.2324"N	80°51'13.2782"W	10201.38	331.746	0.79	0.00	0.79	
16272.00	89.540	342.210	6689.02	10162.57	9075.53	-4857.64	1681618.33	14370529.52	39°34'22.1183"N	80°51'13.6399"W	10293.78	331.842	0.60	-0.49	-0.34	

RECEIVED
Office of Oil and Gas
JAN 05 2024
WV Department of
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 8 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
16367.00	90.150	341.910	6689.27	10257.55	9165.91	-4886.90	1681589.08	14370619.86	39°34'23.0120"N	80°51'14.0117"W	10387.28	331.935	0.72	0.64	-0.32	
16461.00	90.370	340.900	6688.85	10351.55	9255.00	-4916.88	1681559.12	14370708.92	39°34'23.8930"N	80°51'14.3926"W	10480.01	332.020	1.10	0.23	-1.07	
16556.00	89.630	340.430	6688.85	10446.55	9344.64	-4948.33	1681527.68	14370798.52	39°34'24.7794"N	80°51'14.7924"W	10573.94	332.097	0.92	-0.78	-0.49	
16650.00	90.060	341.000	6689.10	10540.55	9433.36	-4979.37	1681496.64	14370887.21	39°34'25.6568"N	80°51'15.1870"W	10666.89	332.173	0.76	0.46	0.61	
16745.00	89.510	339.970	6689.46	10635.54	9522.90	-5011.11	1681464.92	14370976.72	39°34'26.5422"N	80°51'15.5904"W	10760.90	332.246	1.23	-0.58	-1.08	
16839.00	89.450	339.850	6690.31	10729.52	9611.18	-5043.40	1681432.65	14371064.96	39°34'27.4152"N	80°51'16.0009"W	10854.06	332.312	0.14	-0.06	-0.13	
16934.00	89.480	340.290	6691.20	10824.50	9700.49	-5075.78	1681400.28	14371154.23	39°34'28.2984"N	80°51'16.4126"W	10948.19	332.379	0.46	0.03	0.46	
17029.00	89.750	340.170	6691.84	10919.49	9789.88	-5107.91	1681368.16	14371243.59	39°34'29.1824"N	80°51'16.8211"W	11042.31	332.447	0.31	0.28	-0.13	
17123.00	89.910	341.150	6692.11	11013.49	9878.58	-5139.04	1681337.04	14371332.25	39°34'30.0595"N	80°51'17.2168"W	11135.35	332.516	1.06	0.17	1.04	
17217.00	89.750	340.570	6692.39	11107.49	9967.38	-5169.86	1681306.24	14371421.02	39°34'30.9377"N	80°51'17.6086"W	11228.36	332.585	0.64	-0.17	-0.62	
17312.00	89.630	340.310	6692.91	11202.48	10056.90	-5201.67	1681274.44	14371510.50	39°34'31.8229"N	80°51'18.0129"W	11322.48	332.651	0.30	-0.13	-0.27	
17406.00	90.310	340.250	6692.96	11296.47	10145.38	-5233.38	1681242.74	14371598.95	39°34'32.6979"N	80°51'18.4161"W	11415.65	332.714	0.73	0.72	-0.06	
17501.00	89.020	339.840	6693.51	11391.46	10234.68	-5265.80	1681210.33	14371688.21	39°34'33.5809"N	80°51'18.8283"W	11509.88	332.774	1.42	-1.36	-0.43	
17595.00	90.490	339.750	6693.91	11485.43	10322.89	-5298.27	1681177.88	14371776.38	39°34'34.4533"N	80°51'19.2411"W	11603.18	332.831	1.57	1.56	-0.10	
17689.00	90.650	340.950	6692.98	11579.42	10411.41	-5329.88	1681146.28	14371864.87	39°34'35.3286"N	80°51'19.6429"W	11696.37	332.891	1.29	0.17	1.28	
17784.00	91.140	340.340	6691.49	11674.40	10501.03	-5361.36	1681114.82	14371954.45	39°34'36.2149"N	80°51'20.0431"W	11790.49	332.953	0.82	0.52	-0.64	
17878.00	91.230	341.050	6689.55	11768.38	10589.72	-5392.43	1681083.76	14372043.11	39°34'37.0919"N	80°51'20.4381"W	11883.62	333.014	0.76	0.10	0.76	
17973.00	90.460	340.090	6688.15	11863.37	10679.30	-5424.02	1681052.17	14372132.65	39°34'37.9778"N	80°51'20.8398"W	11977.79	333.074	1.30	-0.81	-1.01	
18067.00	90.340	340.130	6687.49	11957.35	10767.69	-5456.00	1681020.21	14372221.01	39°34'38.8519"N	80°51'21.2464"W	12071.09	333.129	0.13	-0.13	0.04	
18162.00	90.220	339.970	6687.03	12052.34	10856.99	-5488.42	1680987.81	14372310.27	39°34'39.7349"N	80°51'21.6585"W	12165.40	333.183	0.21	-0.13	-0.17	
18256.00	90.340	339.920	6686.57	12146.32	10945.29	-5520.65	1680955.58	14372398.54	39°34'40.6081"N	80°51'22.0684"W	12258.75	333.234	0.14	0.13	-0.05	
18351.00	90.430	340.070	6685.93	12241.31	11034.56	-5553.15	1680923.10	14372487.77	39°34'41.4909"N	80°51'22.4816"W	12353.09	333.286	0.18	0.09	0.16	
18446.00	90.000	339.950	6685.58	12336.29	11123.83	-5585.63	1680890.64	14372577.01	39°34'42.3737"N	80°51'22.8945"W	12447.44	333.337	0.47	-0.45	-0.13	
18540.00	90.610	341.150	6685.07	12430.28	11212.46	-5616.93	1680859.35	14372665.60	39°34'43.2502"N	80°51'23.2925"W	12540.70	333.391	1.43	0.65	1.28	
18635.00	90.490	340.080	6684.16	12525.28	11302.07	-5648.46	1680827.83	14372755.18	39°34'44.1363"N	80°51'23.6933"W	12634.95	333.445	1.13	-0.13	-1.13	
18729.00	90.250	339.920	6683.56	12619.26	11390.40	-5680.60	1680795.70	14372843.47	39°34'45.0098"N	80°51'24.1021"W	12728.34	333.494	0.31	-0.26	-0.17	
18824.00	90.550	340.320	6682.89	12714.25	11479.74	-5712.91	1680763.40	14372932.77	39°34'45.8932"N	80°51'24.5128"W	12822.70	333.543	0.53	0.32	0.42	
18919.00	90.180	341.140	6682.29	12809.24	11569.41	-5744.26	1680732.07	14373022.41	39°34'46.7800"N	80°51'24.9114"W	12916.96	333.595	0.95	-0.39	0.86	
19013.00	90.250	340.040	6681.93	12903.24	11658.07	-5775.50	1680700.84	14373111.03	39°34'47.6567"N	80°51'25.3086"W	13010.26	333.646	1.17	0.07	-1.17	
19108.00	90.370	340.540	6681.42	12998.23	11747.50	-5807.54	1680668.81	14373200.43	39°34'48.5411"N	80°51'25.7159"W	13104.63	333.694	0.54	0.13	0.53	

RECEIVED
Office of Oil and Gas
JAN 05 2024
WV Department of Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 9 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
19202.00	90.030	339.630	6681.09	13092.22	11835.88	-5839.55	1680636.81	14373288.77	39°34'49.4150"N	80°51'26.1231"W	13198.05	333.739	1.03	-0.36	-0.97	
19297.00	90.340	339.850	6680.79	13187.19	11925.00	-5872.45	1680603.93	14373377.85	39°34'50.2963"N	80°51'26.5414"W	13292.53	333.782	0.40	0.33	0.23	
19391.00	90.030	340.160	6680.48	13281.18	12013.33	-5904.59	1680571.80	14373466.15	39°34'51.1699"N	80°51'26.9501"W	13385.98	333.826	0.47	-0.33	0.33	
19486.00	90.030	340.220	6680.43	13376.17	12102.71	-5936.79	1680539.61	14373555.49	39°34'52.0537"N	80°51'27.3595"W	13480.40	333.870	0.06	0.00	0.06	
19580.00	90.060	339.330	6680.36	13470.14	12190.91	-5969.28	1680507.13	14373643.66	39°34'52.9259"N	80°51'27.7727"W	13573.90	333.911	0.95	0.03	-0.95	
19675.00	90.490	340.210	6679.90	13565.12	12280.05	-6002.13	1680474.29	14373732.76	39°34'53.8074"N	80°51'28.1905"W	13668.40	333.952	1.03	0.45	0.93	
19769.00	90.830	339.910	6678.82	13659.10	12368.41	-6034.19	1680442.25	14373821.09	39°34'54.6812"N	80°51'28.5981"W	13761.87	333.994	0.48	0.36	-0.32	
19864.00	90.090	339.720	6678.06	13754.08	12457.57	-6066.97	1680409.49	14373910.21	39°34'55.5629"N	80°51'29.0149"W	13856.38	334.033	0.80	-0.78	-0.20	
19958.00	90.310	340.080	6677.73	13848.06	12545.85	-6099.27	1680377.20	14373998.45	39°34'56.4358"N	80°51'29.4257"W	13949.89	334.073	0.45	0.23	0.38	
20053.00	90.590	340.200	6676.98	13943.05	12635.19	-6131.54	1680344.84	14374087.76	39°34'57.3194"N	80°51'29.8361"W	14044.36	334.114	0.32	0.29	0.13	
20147.00	90.340	340.620	6676.22	14037.04	12723.75	-6163.06	1680313.43	14374176.28	39°34'58.1951"N	80°51'30.2368"W	14137.79	334.156	0.52	-0.27	0.45	
20242.00	90.460	340.520	6675.56	14132.03	12813.34	-6194.66	1680281.84	14374265.84	39°34'59.0810"N	80°51'30.6387"W	14232.20	334.198	0.16	0.13	-0.11	
20336.00	90.150	341.490	6675.06	14226.03	12902.22	-6225.26	1680251.26	14374354.68	39°34'59.9599"N	80°51'31.0276"W	14325.54	334.243	1.08	-0.33	1.03	
20431.00	90.060	341.000	6674.88	14321.03	12992.17	-6255.80	1680220.73	14374444.60	39°35'0.8494"N	80°51'31.4159"W	14419.83	334.289	0.52	-0.09	-0.52	
20525.00	90.430	341.100	6674.48	14415.03	13081.08	-6286.33	1680190.22	14374533.47	39°35'1.7285"N	80°51'31.8040"W	14513.18	334.333	0.41	0.39	0.11	
20620.00	90.030	341.700	6674.10	14510.02	13171.11	-6316.63	1680159.93	14374623.47	39°35'2.6189"N	80°51'32.1892"W	14607.46	334.378	0.76	-0.42	0.63	
20714.00	90.090	341.180	6674.00	14604.02	13260.22	-6346.55	1680130.02	14374712.54	39°35'3.5000"N	80°51'32.5696"W	14700.75	334.424	0.56	0.06	-0.55	
20809.00	90.250	341.060	6673.72	14699.02	13350.11	-6377.29	1680099.29	14374802.40	39°35'4.3889"N	80°51'32.9604"W	14795.11	334.466	0.21	0.17	-0.13	
20903.00	90.220	341.060	6673.33	14793.02	13439.02	-6407.80	1680068.79	14374891.27	39°35'5.2681"N	80°51'33.3483"W	14888.49	334.508	0.03	-0.03	0.00	
20998.00	90.220	341.360	6672.97	14888.02	13528.96	-6438.40	1680038.21	14374981.17	39°35'6.1574"N	80°51'33.7373"W	14982.84	334.550	0.32	0.00	0.32	
21093.00	90.280	341.310	6672.55	14983.01	13618.96	-6468.80	1680007.81	14375071.14	39°35'7.0474"N	80°51'34.1239"W	15077.18	334.593	0.08	0.06	-0.05	
21187.00	89.910	341.240	6672.40	15077.01	13707.98	-6498.98	1679977.65	14375160.13	39°35'7.9277"N	80°51'34.5075"W	15170.55	334.634	0.40	-0.39	-0.07	
21281.00	90.060	341.280	6672.42	15171.01	13797.00	-6529.18	1679947.46	14375249.11	39°35'8.8079"N	80°51'34.8915"W	15263.92	334.675	0.17	0.16	0.04	
21376.00	90.280	341.120	6672.14	15266.01	13886.93	-6559.79	1679916.86	14375339.00	39°35'9.6972"N	80°51'35.2807"W	15358.31	334.715	0.29	0.23	-0.17	
21470.00	90.060	341.210	6671.86	15360.01	13975.90	-6590.14	1679886.52	14375427.93	39°35'10.5770"N	80°51'35.6665"W	15451.72	334.754	0.25	-0.23	0.10	
21564.00	90.220	341.530	6671.63	15454.01	14064.97	-6620.17	1679856.51	14375516.97	39°35'11.4578"N	80°51'36.0483"W	15545.10	334.794	0.38	0.17	0.34	
21659.00	89.880	341.260	6671.55	15549.01	14155.01	-6650.48	1679826.21	14375606.97	39°35'12.3481"N	80°51'36.4336"W	15639.47	334.834	0.46	-0.36	-0.28	
21753.00	90.250	341.060	6671.44	15643.00	14243.97	-6680.83	1679795.87	14375695.90	39°35'13.2278"N	80°51'36.8196"W	15732.90	334.872	0.45	0.39	-0.21	
21847.00	89.750	341.380	6671.44	15737.00	14332.97	-6711.09	1679765.62	14375784.86	39°35'14.1078"N	80°51'37.2043"W	15826.33	334.910	0.63	-0.53	0.34	
21942.00	90.120	341.210	6671.55	15832.00	14422.95	-6741.56	1679735.17	14375874.81	39°35'14.9976"N	80°51'37.5917"W	15920.74	334.948	0.43	0.39	-0.18	

RECEIVED
Office of Oil and Gas
JAN 05 2024
WV Department of
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 10 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
22037.00	90.090	341.220	6671.38	15927.00	14512.89	-6772.15	1679704.59	14375964.71	39°35'15.8869"N	80°51'37.9806"W	16015.18	334.985	0.03	-0.03	0.01	
22131.00	90.000	341.570	6671.30	16021.00	14601.98	-6802.14	1679674.61	14376053.76	39°35'16.7679"N	80°51'38.3619"W	16108.59	335.022	0.38	-0.10	0.37	
22226.00	89.940	341.480	6671.35	16115.99	14692.08	-6832.24	1679644.52	14376143.83	39°35'17.6588"N	80°51'38.7447"W	16202.99	335.060	0.11	-0.06	-0.09	
22321.00	89.940	341.350	6671.45	16210.99	14782.12	-6862.52	1679614.25	14376233.84	39°35'18.5492"N	80°51'39.1296"W	16297.41	335.097	0.14	0.00	-0.14	
22415.00	90.150	341.130	6671.38	16304.99	14871.13	-6892.75	1679584.03	14376322.81	39°35'19.4294"N	80°51'39.5140"W	16390.87	335.132	0.32	0.22	-0.23	
22510.00	90.220	341.240	6671.07	16399.99	14961.05	-6923.39	1679553.40	14376412.70	39°35'20.3186"N	80°51'39.9036"W	16485.34	335.167	0.14	0.07	0.12	
22604.00	90.030	341.270	6670.87	16493.99	15050.07	-6953.60	1679523.21	14376501.67	39°35'21.1988"N	80°51'40.2877"W	16578.81	335.202	0.20	-0.20	0.03	
22699.00	89.850	341.390	6670.97	16588.99	15140.07	-6984.01	1679492.81	14376591.64	39°35'22.0887"N	80°51'40.6743"W	16673.27	335.236	0.23	-0.19	0.13	
22793.00	90.000	341.060	6671.09	16682.99	15229.07	-7014.26	1679462.57	14376680.60	39°35'22.9688"N	80°51'41.0590"W	16766.76	335.270	0.39	0.16	-0.35	
22888.00	90.000	341.670	6671.09	16777.98	15319.09	-7044.62	1679432.22	14376770.58	39°35'23.8589"N	80°51'41.4450"W	16861.23	335.304	0.64	0.00	0.64	
22982.00	89.780	341.330	6671.27	16871.98	15408.23	-7074.45	1679402.41	14376859.69	39°35'24.7404"N	80°51'41.8242"W	16954.68	335.339	0.43	-0.23	-0.36	
23076.00	89.910	341.430	6671.52	16965.98	15497.31	-7104.46	1679372.41	14376948.74	39°35'25.6212"N	80°51'42.2058"W	17048.16	335.372	0.17	0.14	0.11	
23171.00	90.000	340.870	6671.60	17060.98	15587.21	-7135.15	1679341.73	14377038.60	39°35'26.5102"N	80°51'42.5961"W	17142.68	335.404	0.60	0.09	-0.59	
23265.00	90.060	341.230	6671.55	17154.98	15676.12	-7165.68	1679311.21	14377127.47	39°35'27.3894"N	80°51'42.9843"W	17236.23	335.434	0.39	0.06	0.38	
23360.00	90.060	341.620	6671.45	17249.97	15766.17	-7195.94	1679280.96	14377217.49	39°35'28.2798"N	80°51'43.3691"W	17330.71	335.467	0.41	0.00	0.41	
23454.00	89.940	340.900	6671.45	17343.97	15855.18	-7226.14	1679250.78	14377306.47	39°35'29.1600"N	80°51'43.7531"W	17424.24	335.498	0.78	-0.13	-0.77	
23549.00	90.030	341.060	6671.47	17438.97	15945.00	-7257.10	1679219.83	14377396.25	39°35'30.0481"N	80°51'44.1468"W	17518.80	335.528	0.19	0.09	0.17	
23643.00	89.970	340.980	6671.47	17532.97	16033.89	-7287.67	1679189.27	14377485.10	39°35'30.9271"N	80°51'44.5356"W	17612.37	335.557	0.11	-0.06	-0.09	
23738.00	89.720	340.310	6671.73	17627.97	16123.52	-7319.16	1679157.80	14377574.69	39°35'31.8134"N	80°51'44.9360"W	17707.00	335.585	0.75	-0.26	-0.71	
23832.00	89.910	340.920	6672.03	17721.97	16212.19	-7350.36	1679126.61	14377663.33	39°35'32.6902"N	80°51'45.3328"W	17800.64	335.611	0.68	0.20	0.65	
23927.00	89.820	340.830	6672.26	17816.97	16301.94	-7381.48	1679095.50	14377753.05	39°35'33.5778"N	80°51'45.7286"W	17895.24	335.639	0.13	-0.09	-0.09	
24021.00	89.910	341.710	6672.48	17910.96	16390.96	-7411.67	1679065.33	14377842.04	39°35'34.4581"N	80°51'46.1125"W	17988.79	335.668	0.94	0.10	0.94	
24116.00	89.910	341.020	6672.63	18005.96	16480.98	-7442.02	1679034.98	14377932.02	39°35'35.3482"N	80°51'46.4985"W	18083.32	335.698	0.73	0.00	-0.73	
24210.00	90.090	340.920	6672.63	18099.96	16569.85	-7472.67	1679004.34	14378020.85	39°35'36.2269"N	80°51'46.8883"W	18176.93	335.726	0.22	0.19	-0.11	
24305.00	90.150	340.940	6672.43	18194.96	16659.63	-7503.71	1678973.32	14378110.60	39°35'37.1147"N	80°51'47.2830"W	18271.54	335.753	0.07	0.06	0.02	
24400.00	90.220	341.670	6672.12	18289.96	16749.62	-7534.16	1678942.88	14378200.55	39°35'38.0046"N	80°51'47.6702"W	18366.09	335.781	0.77	0.07	0.77	
24494.00	89.820	341.330	6672.09	18383.95	16838.76	-7563.99	1678913.07	14378289.65	39°35'38.8860"N	80°51'48.0495"W	18459.63	335.810	0.56	-0.43	-0.36	
24588.00	89.910	340.820	6672.31	18477.95	16927.68	-7594.47	1678882.59	14378378.54	39°35'39.7653"N	80°51'48.4372"W	18553.23	335.837	0.55	0.10	-0.54	
24682.00	89.970	341.270	6672.41	18571.95	17016.58	-7625.01	1678852.07	14378467.40	39°35'40.6444"N	80°51'48.8255"W	18646.84	335.863	0.48	0.06	0.48	
24777.00	90.180	341.300	6672.29	18666.95	17106.56	-7655.49	1678821.80	14378557.34	39°35'41.5341"N	80°51'49.2131"W	18741.42	335.891	0.22	0.22	0.03	

RECEIVED
Office of Oil and Gas
JAN 05 2024
ANTERO RESOURCES CORPORATION
ENVIRONMENTAL SERVICES



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 11 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

WELLPATH DATA (275 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
24871.00	90.000	340.480	6672.14	18760.95	17195.38	-7686.26	1678790.84	14378646.13	39°35'42.4124"N	80°51'49.6045"W	18835.06	335.916	0.89	-0.19	-0.87	
24966.00	90.030	341.280	6672.11	18855.95	17285.14	-7717.38	1678759.73	14378735.85	39°35'43.2999"N	80°51'50.0003"W	18929.71	335.940	0.84	0.03	0.84	
25060.00	90.180	341.760	6671.94	18949.95	17374.29	-7747.18	1678729.95	14378824.97	39°35'44.1815"N	80°51'50.3792"W	19023.26	335.968	0.53	0.16	0.51	
25127.00	89.910	340.840	6671.89	19016.94	17437.75	-7768.66	1678708.48	14378888.40	39°35'44.8090"N	80°51'50.6523"W	19089.98	335.987	1.43	-0.40	-1.37	
25152.00‡	89.910	340.840	6671.93	19041.94	17461.37	-7776.86	1678700.28	14378912.01	39°35'45.0425"N	80°51'50.7567"W	19114.89	335.993	0.00	0.00	0.00	Projected MD at TD: 25152'

HOLE & CASING SECTIONS - Ref Wellbore: Cider Run Unit 2H AWB Ref Wellpath: Cider Run Unit 2H AWP Proj: 25152'									
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	0.16	-0.14
17.5in Open Hole	130.00	372.00	242.00	130.00	372.00	0.16	-0.14	0.68	-1.43
13.375in Casing Surface	30.00	361.00	331.00	30.00	361.00	0.00	0.00	0.68	-1.35
12.25in Open Hole	372.00	3540.00	3168.00	372.00	3426.15	0.68	-1.43	25.43	-787.42
9.625in Casing Intermediate	30.00	3510.00	3480.00	30.00	3397.17	0.00	0.00	25.52	-779.66
8.75in Open Hole	3540.00	6311.00	2771.00	3426.15	6064.64	25.43	-787.42	76.73	-1628.05
8.5in Open Hole	6311.00	25152.00	18841.00	6064.64	6671.93	76.73	-1628.05	17461.37	-7776.86
5.5in Casing Production	30.00	25132.00	25102.00	30.00	6671.90	0.00	0.00	17442.47	-7770.30

RECEIVED
 Office of Oil and Gas
 JAN 05 2024
 ANTE RO
 Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'
Page 12 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Cider Run Unit 2H BHL Rev-3	6627.32	17456.44	-7778.74	1678698.40	14378907.08	39°35'44.9938"N	80°51'50.7808"W	point
Cider Run Unit 2H POE Rev-3	6721.00	507.03	-1942.25	1684532.56	14361964.45	39°32'57.3853"N	80°50'36.6005"W	point
Cider Run Unit 2H LP Rev-3	6751.00	705.75	-2010.68	1684464.16	14362163.09	39°32'59.3504"N	80°50'37.4696"W	point
Cider Run Unit 2H 50' L/R Hard Line	7000.00	8981.73	-4860.49	1681615.48	14370435.77	39°34'21.1913"N	80°51'13.6783"W	rectangle
2D Rectangle 17926.2 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Cider Run Unit 2H AWB Ref Wellpath: Cider Run Unit 2H AWP Proj: 25152'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	261.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-261')	Cider Run Unit 2H AWB	2/28/2023
261.00	3465.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (261')(415'-3465')	Cider Run Unit 2H AWB	2/28/2023
3465.00	6235.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3465')(3589'-6235')	Cider Run Unit 2H AWB	3/13/2023
6235.00	25152.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (6235')(6287'-25127')	Cider Run Unit 2H AWB	3/13/2023

RECEIVED
Office of Oil and Gas
JAN 05 2024
NY Department of
Environmental Protection



Actual Wellpath Report

Cider Run Unit 2H AWP Proj: 25152'

Page 13 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Cider Run Unit 2H
Field	Tyler	API	47-095-02840-0000
Facility	Ed Yost Pad	Wellbore	Cider Run Unit 2H AWB
Slot	Slot B		

COMMENTS

Wellpath general comments

API: 47-095-02840-0000
 BH Job #: 111702005
 Rig: H&P 519
 Duration: 3/15/2023-3/20/2023
 Gyrodata MS Gyro <17-1/2"> (100'-261')
 APS EM <12-1/4"> (261')(415'-3465')
 APS EM <8-3/4"> (3465')(3589'-6235')
 BH AT Curve <8-1/2"> (6235')(6287'-25127')
 Sycamore: 6724' MD
 Middlesex: 6868' MD
 Burkett: 7015' MD
 Tully: 7056' MD
 Marcellus POE: 7222' MD
 Projected MD at TD: 25152'

RECEIVED
 Office of Oil and Gas
 JAN 05 2024
 Environmental Protection
 Division