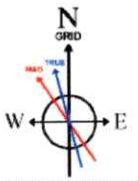
ANTERO RESOURCES CORPORATION

Location: Ritchie County, WV
Field: Ritchie
Facility: Minear Pad
Slot: Slot F
Well: Elliott Unit 1H ST01
Wellbore: Elliott Unit 1H ST01 PWB

Plot reference wellpath is Elliott Unit 1H ST01 PWP Rev-C.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1122.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot F): -1097 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsaryar on 2025-08-06; Database: WA_MPL_EASTERNUS_Defn

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Minear Pad			1652230.170	14234535.980	39°11'57.7821"N	80°57'29.8821"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot F	-73.55	-14.67	1652215.510	14234462.460	39°11'57.0552"N	80°57'30.0688"W
Comment	Elliott Unit 1H					
H&P 317 (RKB) to Ground level (At Slot: Slot F)					25.5ft	
Mean Sea Level to Ground level (At Slot: Slot F)					-1097ft	
H&P 317 (RKB) to Mean Sea Level					1122.5ft	



User specified (HDGM) Dip: 65.56° Field: 50911 nT
Magnetic North is 7.65 degrees West of True North (at 7/9/2025)
Grid North is 0.03 degrees East of True North
To correct azimuth from True to Grid subtract 0.03 degrees
To correct azimuth from Magnetic to Grid subtract 7.68 degrees

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	5251.00	18.550	242.270	4823.20	-972.87	-1507.46	7.36	-431.51
Proj. to Bottom	5299.00	18.550	242.270	4868.71	-979.97	-1520.98	0.00	-433.85
Build	5790.36	37.923	240.234	5299.55	-1092.38	-1723.17	3.95	-474.63
Intersect Original Path at KOP	6092.52	26.140	236.700	5555.28	-1175.32	-1859.90	3.95	-508.75
Curve Svy1	6187.52	26.900	245.670	5640.32	-1195.67	-1896.99	4.29	-515.98
Curve Svy2	6281.52	27.020	258.240	5724.17	-1208.80	-1937.30	6.05	-515.32
Curve Svy3	6376.52	27.970	272.090	5808.53	-1212.36	-1980.74	6.79	-504.63
Curve Svy4	6470.52	31.050	286.900	5890.43	-1204.52	-2026.03	8.40	-482.51
Curve Svy5	6565.52	35.200	299.800	5970.08	-1183.76	-2073.31	8.59	-447.53
Curve Svy6	6660.52	40.490	311.650	6045.17	-1149.58	-2120.22	9.44	-400.00
Curve Svy7	6754.52	46.860	318.810	6113.16	-1103.42	-2165.68	8.57	-341.58
Curve Svy8	6849.52	54.680	324.230	6173.22	-1045.77	-2211.25	9.34	-272.28
Curve Svy9	6944.52	60.730	329.770	6223.99	-978.43	-2254.83	8.05	-194.44
Curve Svy10	7038.52	67.390	336.930	6265.12	-902.92	-2292.56	9.85	-110.78
Landing Pt.	7335.01	90.000	346.534	6323.00	-628.66	-2382.07	8.25	177.68
On AZI	7516.62	90.000	341.080	6323.00	-454.32	-2432.70	3.00	359.02
BHL	22693.91	90.000	341.080	6323.00	13902.94	-7353.99	0.00	15536.30



Gyrodata MS Gyro <17-1/2"> (100'-839') : 0.39° Inc, 100.00ft MD, 100.00ft TVD, -0.19ft VS

APS EM <12-1/4"> (839')(962'-3361') : 2.63° Inc, 962.00ft MD, 961.95ft TVD, -4.09ft VS

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

API: 47-085-10551-0000
BH Job #: 112660881
Rig: H&P 317
Duration: 7/16/2025-7/20/2025

APS EM <8-3/4"> (3361')(3414'-5972') : 25.43° Inc, 3414.00ft MD, 3197.61ft TVD, -220.38ft VS

Well Data

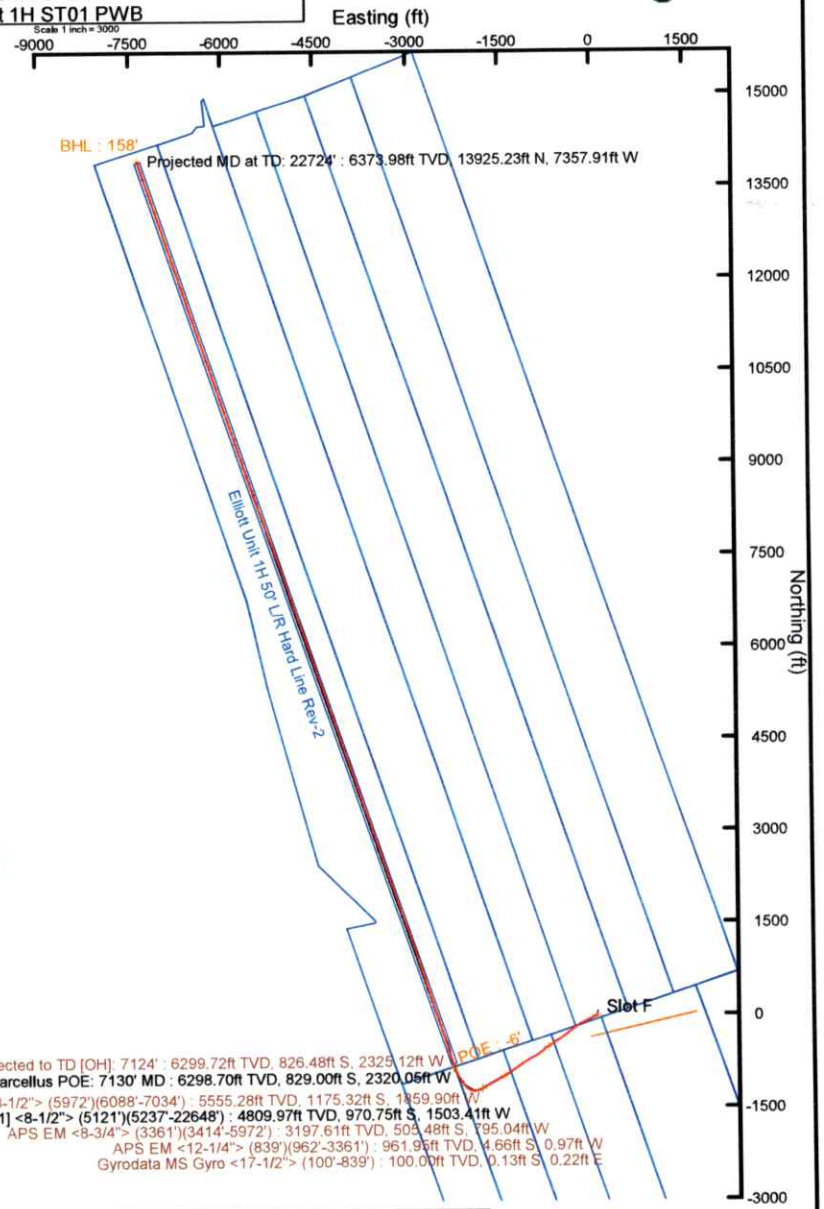
Slot	Well	Wellbore	Wellpath
Slot F	Elliott Unit 1H	Elliott Unit 1H AWB	Elliott Unit 1H AWP Proj: 7124'
Slot F	Elliott Unit 1H ST01	Elliott Unit 1H ST01 AWB	Elliott Unit 1H ST01 AWP Proj: 22724'
Slot F	Elliott Unit 1H ST01	Elliott Unit 1H ST01 PWB	Elliott Unit 1H ST01 PWP Rev-C.0

BH Lucida [ST01] <8-1/2"> (5121')(5237'-22648') : 19.57° Inc, 5237.00ft MD, 4809.97ft TVD, -430.83ft VS

BH Lucida [OH] <8-1/2"> (5972')(6088'-7034') : 26.14° Inc, 6088.00ft MD, 5555.28ft TVD, -508.75ft VS

Marcellus POE: 7130' MD : 73.32° Inc, 7130.00ft MD, 6298.70ft TVD, -31.94ft VS

Projected to TD [OH]: 7124' : 67.39° Inc, 7124.00ft MD, 6299.72ft TVD, -27.92ft VS



Projected MD at TD: 22724' : 89.69° Inc, 22724.00ft MD, 6373.98ft TVD, 15558.66ft VS

Azimuth 341.08° with reference 0.00 N, 0.00 E

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124'** at **5121.00 MD**

REPORT SETUP INFORMATION			
Projection System	**NAD27 / UTM Zone 17 North, US feet**	Software System	**WellArchitect® 6.0**
North Reference	**Grid**	User	**Edsaryar**
Scale	**0.999600**	Report Generated	**8/6/2025** at **11:35:08 AM**
Convergence at slot	**0.03° 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	-73.55	-14.67	**1652215.51**	**14234462.46**	39°11'57.0552"N	80°57'30.0688"W
Facility Reference Pt			**1652230.17**	**14234535.98**	39°11'57.7821"N	80°57'29.8821"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	**1122.50ft**
Horizontal Reference Pt	**Slot**	H&P 317 (RKB) to Mean Sea Level	**1122.50ft**
Vertical Reference Pt	**H&P 317 (RKB)**	H&P 317 (RKB) to Ground Level at Slot (Slot F)	**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	**341.08°**

RECEIVED
Office of Oil and Gas
JAN 14 2026
WV Department of
Environmental Protection

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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	121.290	0.00	0.00	0.00	0.00	1652215.51	14234462.46	39°11'57.0552"N	80°57'30.0688"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	121.290	25.50	0.00	0.00	0.00	1652215.51	14234462.46	39°11'57.0552"N	80°57'30.0688"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.390	121.290	100.00	-0.19	-0.13	0.22	1652215.73	14234462.33	39°11'57.0539"N	80°57'30.0660"W	0.25	121.290	0.52	0.52	0.00	Gyrodata MS Gyro <17-1/2"> (100'-839')
200.00	0.170	179.330	200.00	-0.60	-0.46	0.51	1652216.02	14234462.00	39°11'57.0507"N	80°57'30.0623"W	0.68	131.892	0.33	-0.22	58.04	
300.00	0.170	174.390	300.00	-0.88	-0.75	0.53	1652216.04	14234461.71	39°11'57.0478"N	80°57'30.0621"W	0.92	145.083	0.01	0.00	-4.94	
400.00	0.200	165.560	400.00	-1.20	-1.07	0.58	1652216.09	14234461.39	39°11'57.0446"N	80°57'30.0614"W	1.22	151.382	0.04	0.03	-8.83	
500.00	0.150	173.820	500.00	-1.50	-1.37	0.64	1652216.15	14234461.09	39°11'57.0417"N	80°57'30.0607"W	1.51	154.899	0.06	-0.05	8.26	
600.00	0.180	148.200	600.00	-1.78	-1.63	0.74	1652216.25	14234460.83	39°11'57.0391"N	80°57'30.0594"W	1.79	155.671	0.08	0.03	-25.62	
700.00	0.180	143.100	700.00	-2.09	-1.89	0.92	1652216.42	14234460.57	39°11'57.0365"N	80°57'30.0572"W	2.10	154.181	0.02	0.00	-5.10	
800.00	0.330	151.500	799.99	-2.52	-2.27	1.15	1652216.66	14234460.19	39°11'57.0328"N	80°57'30.0542"W	2.54	153.198	0.15	0.15	8.40	
839.00	0.390	174.930	838.99	-2.76	-2.50	1.21	1652216.72	14234459.96	39°11'57.0305"N	80°57'30.0534"W	2.78	154.142	0.40	0.15	60.08	
962.00	2.630	231.990	961.95	-4.09	-4.66	-0.97	1652214.54	14234457.81	39°11'57.0092"N	80°57'30.0812"W	4.76	191.823	1.98	1.82	46.39	APS EM <12-1/4"> (839')(962'-3361')
1052.00	5.630	238.660	1051.70	-5.71	-8.22	-6.37	1652209.14	14234454.24	39°11'56.9739"N	80°57'30.1498"W	10.40	217.773	3.37	3.33	7.41	
1147.00	7.280	241.590	1146.10	-7.71	-13.51	-15.65	1652199.87	14234448.95	39°11'56.9217"N	80°57'30.2676"W	20.67	229.189	1.77	1.74	3.08	
1241.00	9.030	241.580	1239.14	-9.91	-19.86	-27.38	1652188.15	14234442.61	39°11'56.8591"N	80°57'30.4166"W	33.82	234.044	1.86	1.86	-0.01	
1336.00	10.700	242.450	1332.74	-12.46	-27.49	-41.75	1652173.77	14234434.99	39°11'56.7837"N	80°57'30.5993"W	49.99	236.644	1.76	1.76	0.92	
1431.00	12.820	244.460	1425.74	-15.00	-36.11	-59.08	1652156.45	14234426.37	39°11'56.6986"N	80°57'30.8195"W	69.24	238.568	2.27	2.23	2.12	
1525.00	15.310	245.780	1516.91	-17.35	-45.70	-79.81	1652135.73	14234416.78	39°11'56.6039"N	80°57'31.0829"W	91.97	240.206	2.67	2.65	1.40	
1620.00	18.090	245.610	1607.90	-19.91	-56.94	-104.69	1652110.86	14234405.55	39°11'56.4929"N	80°57'31.3989"W	119.17	241.460	2.93	2.93	-0.18	
1714.00	21.080	243.830	1696.45	-23.44	-70.42	-133.16	1652082.40	14234392.07	39°11'56.3598"N	80°57'31.7606"W	150.63	242.128	3.24	3.18	-1.89	
1809.00	23.750	244.730	1784.26	-27.71	-86.13	-165.80	1652049.78	14234376.37	39°11'56.2047"N	80°57'32.1753"W	186.83	242.550	2.83	2.81	0.95	
1903.00	28.840	244.390	1868.51	-32.45	-104.02	-203.38	1652012.21	14234358.48	39°11'56.0280"N	80°57'32.6528"W	228.44	242.913	5.42	5.41	-0.36	
1998.00	32.530	242.480	1950.20	-38.94	-125.73	-246.71	1651968.89	14234336.78	39°11'55.8136"N	80°57'33.2033"W	276.91	242.996	4.02	3.88	-2.01	
2093.00	33.130	238.600	2030.03	-48.37	-151.06	-291.53	1651924.10	14234311.46	39°11'55.5634"N	80°57'33.7727"W	328.35	242.608	2.30	0.63	-4.08	
2187.00	31.560	235.760	2109.45	-60.42	-178.29	-333.80	1651881.85	14234284.24	39°11'55.2945"N	80°57'34.3098"W	378.43	241.892	2.32	-1.67	-3.02	
2282.00	31.050	233.760	2190.62	-74.29	-206.76	-374.11	1651841.55	14234255.78	39°11'55.0133"N	80°57'34.8220"W	427.45	241.072	1.22	-0.54	-2.11	
2377.00	29.480	231.070	2272.67	-89.58	-235.94	-412.06	1651803.61	14234226.62	39°11'54.7251"N	80°57'35.3042"W	474.83	240.205	2.18	-1.65	-2.83	
2471.00	28.310	232.340	2354.97	-104.66	-264.09	-447.70	1651767.99	14234198.47	39°11'54.4469"N	80°57'35.7571"W	519.79	239.464	1.41	-1.24	1.35	
2566.00	28.140	231.810	2438.67	-119.29	-291.71	-483.14	1651732.56	14234170.87	39°11'54.1742"N	80°57'36.2074"W	564.37	238.878	0.32	-0.18	-0.56	
2661.00	26.920	234.280	2522.92	-132.90	-318.11	-518.21	1651697.51	14234144.47	39°11'53.9133"N	80°57'36.6530"W	608.06	238.456	1.76	-1.28	2.60	

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124'** at **5121.00 MD**

WELLPATH DATA (247 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
2755.00	26.580	233.590	2606.86	-145.37	-343.02	-552.41	1651663.32	14234119.58	39°11'53.6673"N	80°57'37.0875"W	650.25	238.162	0.49	-0.36	-0.73	
2850.00	25.830	236.570	2692.10	-156.94	-367.04	-586.79	1651628.96	14234095.57	39°11'53.4300"N	80°57'37.5243"W	692.13	237.974	1.59	-0.79	3.14	
2945.00	26.880	237.150	2777.22	-167.30	-390.09	-622.11	1651593.65	14234072.53	39°11'53.2024"N	80°57'37.9730"W	734.29	237.910	1.14	1.11	0.61	
3039.00	26.620	237.210	2861.16	-177.46	-413.02	-657.66	1651558.11	14234049.60	39°11'52.9759"N	80°57'38.4248"W	776.60	237.871	0.28	-0.28	0.06	
3134.00	26.340	236.130	2946.20	-188.00	-436.29	-693.05	1651522.74	14234026.34	39°11'52.7460"N	80°57'38.8745"W	818.95	237.809	0.59	-0.29	-1.14	
3229.00	25.860	235.680	3031.51	-198.94	-459.72	-727.66	1651488.14	14234002.92	39°11'52.5146"N	80°57'39.3142"W	860.72	237.716	0.55	-0.51	-0.47	
3323.00	26.390	236.210	3115.90	-209.75	-482.90	-761.96	1651453.86	14233979.76	39°11'52.2857"N	80°57'39.7499"W	902.09	237.635	0.62	0.56	0.56	
3361.00	26.400	236.010	3149.94	-214.11	-492.32	-775.98	1651439.84	14233970.34	39°11'52.1926"N	80°57'39.9281"W	918.98	237.607	0.24	0.03	-0.53	
3414.00	25.430	234.710	3197.61	-220.38	-505.48	-795.04	1651420.79	14233957.18	39°11'52.0626"N	80°57'40.1703"W	942.12	237.552	2.12	-1.83	-2.45	APS EM <8-3/4"> (3361')(3414'-5972')
3509.00	24.190	232.730	3283.85	-232.26	-529.05	-827.18	1651388.66	14233933.62	39°11'51.8298"N	80°57'40.5786"W	981.89	237.398	1.57	-1.31	-2.08	
3604.00	25.460	231.120	3370.07	-245.36	-553.66	-858.56	1651357.29	14233909.03	39°11'51.5867"N	80°57'40.9774"W	1021.60	237.184	1.51	1.34	-1.69	
3698.00	27.270	231.460	3454.28	-259.48	-579.76	-891.14	1651324.73	14233882.94	39°11'51.3288"N	80°57'41.3913"W	1063.13	236.953	1.93	1.93	0.36	
3793.00	27.380	234.470	3538.69	-273.04	-606.01	-925.94	1651289.94	14233856.69	39°11'51.0695"N	80°57'41.8335"W	1106.63	236.796	1.46	0.12	3.17	
3888.00	28.590	236.540	3622.58	-284.99	-631.24	-962.68	1651253.21	14233831.47	39°11'50.8203"N	80°57'42.3004"W	1151.19	236.747	1.63	1.27	2.18	
3982.00	29.570	239.150	3704.73	-295.43	-655.54	-1001.36	1651214.55	14233807.19	39°11'50.5803"N	80°57'42.7918"W	1196.85	236.789	1.71	1.04	2.78	
4077.00	30.020	242.900	3787.18	-303.66	-678.39	-1042.65	1651173.28	14233784.35	39°11'50.3546"N	80°57'43.3163"W	1243.91	236.950	2.02	0.47	3.95	
4171.00	28.650	240.870	3869.13	-311.00	-700.07	-1083.27	1651132.68	14233762.67	39°11'50.1405"N	80°57'43.8323"W	1289.79	237.127	1.80	-1.46	-2.16	
4266.00	28.980	239.370	3952.37	-319.71	-722.88	-1122.96	1651093.00	14233739.87	39°11'49.9152"N	80°57'44.3367"W	1335.52	237.230	0.84	0.35	-1.58	
4361.00	29.520	239.220	4035.25	-329.19	-746.58	-1162.87	1651053.10	14233716.18	39°11'49.6811"N	80°57'44.8438"W	1381.91	237.299	0.57	0.57	-0.16	
4455.00	27.960	235.810	4117.68	-339.75	-770.82	-1201.00	1651014.99	14233691.95	39°11'49.4417"N	80°57'45.3282"W	1427.09	237.307	2.41	-1.66	-3.63	
4550.00	28.120	235.540	4201.53	-351.62	-796.00	-1237.88	1650978.12	14233666.78	39°11'49.1929"N	80°57'45.7968"W	1471.73	237.258	0.21	0.17	-0.28	
4644.00	27.820	236.240	4284.55	-363.17	-820.73	-1274.39	1650941.64	14233642.06	39°11'48.9487"N	80°57'46.2605"W	1515.80	237.218	0.47	-0.32	0.74	
4739.00	27.720	236.360	4368.60	-374.46	-845.29	-1311.21	1650904.83	14233617.51	39°11'48.7061"N	80°57'46.7284"W	1560.06	237.192	0.12	-0.11	0.13	
4834.00	27.800	236.480	4452.67	-385.66	-869.76	-1348.07	1650867.98	14233593.05	39°11'48.4644"N	80°57'47.1968"W	1604.30	237.170	0.10	0.08	0.13	
4928.00	29.630	234.510	4535.11	-397.81	-895.36	-1385.27	1650830.79	14233567.46	39°11'48.2115"N	80°57'47.6694"W	1649.44	237.124	2.19	1.95	-2.10	
5023.00	29.410	236.180	4617.78	-410.51	-921.97	-1423.77	1650792.31	14233540.86	39°11'47.9486"N	80°57'48.1585"W	1696.22	237.075	0.90	-0.23	1.76	
5121.00	27.790	238.000	4703.82	-421.87	-947.48	-1463.14	1650752.96	14233515.37	39°11'47.6967"N	80°57'48.6587"W	1743.13	237.074	1.88	-1.65	1.86	
5237.00	19.570	242.710	4809.97	-430.83	-970.75	-1503.41	1650712.70	14233492.10	39°11'47.4668"N	80°57'49.1703"W	1789.58	237.150	7.27	-7.09	4.06	BH Lucida [ST01] <8-1/2"> (5121')(5237'-22648')
5251.00	18.550	242.270	4823.20	-431.51	-972.87	-1507.46	1650708.65	14233489.99	39°11'47.4459"N	80°57'49.2218"W	1794.13	237.163	7.36	-7.29	-3.14	
5332.00	21.210	236.250	4899.38	-437.24	-987.01	-1531.06	1650685.07	14233475.85	39°11'47.3063"N	80°57'49.5216"W	1821.63	237.192	4.14	3.28	-7.43	

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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
5426.00	26.200	241.940	4985.43	-444.89	-1006.23	-1563.53	1650652.60	14233456.64	39°11'47.1164"N	80°57'49.9342"W	1859.34	237.236	5.83	5.31	6.05	
5521.00	30.460	239.820	5069.03	-452.93	-1028.21	-1602.87	1650613.28	14233434.66	39°11'46.8993"N	80°57'50.4340"W	1904.32	237.321	4.61	4.48	-2.23	
5615.00	35.460	240.620	5147.88	-462.54	-1053.58	-1647.26	1650568.91	14233409.30	39°11'46.6487"N	80°57'50.9979"W	1955.38	237.397	5.34	5.32	0.85	
5710.00	35.380	241.730	5225.30	-472.01	-1080.13	-1695.49	1650520.70	14233382.77	39°11'46.3865"N	80°57'51.6106"W	2010.32	237.501	0.68	-0.08	1.17	
5804.00	32.420	240.760	5303.31	-480.95	-1105.33	-1741.46	1650474.75	14233357.58	39°11'46.1376"N	80°57'52.1946"W	2062.63	237.596	3.20	-3.15	-1.03	
5899.00	27.380	238.340	5385.64	-490.33	-1129.25	-1782.30	1650433.92	14233333.66	39°11'45.9013"N	80°57'52.7135"W	2109.93	237.642	5.45	-5.31	-2.55	
5994.00	26.400	238.050	5470.37	-499.91	-1151.89	-1818.82	1650397.42	14233311.03	39°11'45.6777"N	80°57'53.1774"W	2152.89	237.653	1.04	-1.03	-0.31	
6088.00	26.650	238.620	5554.48	-509.17	-1173.93	-1854.55	1650361.71	14233289.00	39°11'45.4600"N	80°57'53.6313"W	2194.87	237.666	0.38	0.27	0.61	
6183.00	27.910	246.190	5638.94	-515.67	-1194.01	-1893.09	1650323.18	14233268.93	39°11'45.2617"N	80°57'54.1210"W	2238.18	237.760	3.88	1.33	7.97	
6277.00	27.890	255.670	5722.05	-515.78	-1208.34	-1934.54	1650281.75	14233254.61	39°11'45.1202"N	80°57'54.6476"W	2280.90	238.011	4.71	-0.02	10.09	
6372.00	27.960	266.850	5806.05	-507.95	-1215.06	-1978.34	1650237.97	14233247.89	39°11'45.0539"N	80°57'55.2039"W	2321.68	238.442	5.50	0.07	11.77	
6467.00	31.250	283.310	5888.77	-488.71	-1210.61	-2024.64	1650191.68	14233252.34	39°11'45.0981"N	80°57'55.7920"W	2358.97	239.123	9.20	3.46	17.33	
6561.00	35.110	297.230	5967.55	-456.16	-1192.59	-2072.49	1650143.85	14233270.35	39°11'45.2764"N	80°57'56.3997"W	2391.13	240.082	9.06	4.11	14.81	
6605.00†	36.355	304.418	6003.28	-436.56	-1179.42	-2094.51	1650121.84	14233283.51	39°11'45.4066"N	80°57'56.6793"W	2403.75	240.616	9.95	2.83	16.34	Sycamore: 6605' MD
6656.00	38.300	312.150	6043.85	-410.58	-1160.26	-2118.72	1650097.64	14233302.67	39°11'45.5961"N	80°57'56.9867"W	2415.61	241.294	9.95	3.81	15.16	
6751.00	45.800	320.790	6114.41	-352.75	-1114.01	-2162.17	1650054.21	14233348.89	39°11'46.0533"N	80°57'57.5384"W	2432.28	242.741	9.96	7.89	9.09	
6806.00†	50.519	324.799	6151.09	-313.85	-1081.37	-2186.89	1650029.50	14233381.53	39°11'46.3761"N	80°57'57.8522"W	2439.64	243.689	10.15	8.58	7.29	Middlesex: 6806' MD
6845.00	53.940	327.320	6174.98	-284.08	-1055.79	-2204.08	1650012.31	14233407.09	39°11'46.6290"N	80°57'58.0704"W	2443.90	244.405	10.15	8.77	6.47	
6940.00	61.230	329.980	6225.87	-205.81	-987.32	-2245.71	1649970.70	14233475.54	39°11'47.3059"N	80°57'58.5988"W	2453.16	246.267	8.03	7.67	2.80	
6990.00†	64.574	332.482	6248.65	-161.96	-948.30	-2267.11	1649949.31	14233514.54	39°11'47.6916"N	80°57'58.8705"W	2457.45	247.301	8.03	6.69	5.00	Burkett: 6990' MD
7034.00	67.550	334.570	6266.50	-122.10	-912.31	-2285.03	1649931.40	14233550.52	39°11'48.0474"N	80°57'59.0979"W	2460.42	248.235	8.03	6.76	4.75	
7065.00†	69.381	336.278	6277.88	-93.41	-886.09	-2297.02	1649919.41	14233576.73	39°11'48.3067"N	80°57'59.2501"W	2462.00	248.906	7.82	5.91	5.51	Tully: 7065' MD
7129.00	73.210	339.680	6298.41	-32.90	-829.90	-2319.72	1649896.72	14233632.89	39°11'48.8621"N	80°57'59.5382"W	2463.70	250.315	7.82	5.98	5.32	
7130.00†	73.318	339.714	6298.70	-31.94	-829.00	-2320.05	1649896.39	14233633.79	39°11'48.8709"N	80°57'59.5424"W	2463.71	250.337	11.31	10.82	3.45	Marcellus POE: 7130' MD
7223.00	83.400	342.790	6317.44	59.01	-742.86	-2349.24	1649867.21	14233719.90	39°11'49.7225"N	80°57'59.9128"W	2463.90	252.452	11.31	10.84	3.31	
7318.00	89.970	342.740	6322.93	153.76	-652.32	-2377.33	1649839.14	14233810.40	39°11'50.6174"N	80°58'0.2691"W	2465.20	254.656	6.92	6.92	-0.05	
7413.00	90.430	342.930	6322.60	248.72	-561.56	-2405.37	1649811.11	14233901.13	39°11'51.5147"N	80°58'0.6248"W	2470.05	256.859	0.52	0.48	0.20	
7507.00	90.460	343.210	6321.87	342.66	-471.63	-2432.74	1649783.75	14233991.02	39°11'52.4035"N	80°58'0.9720"W	2478.03	259.028	0.30	0.03	0.30	
7602.00	90.400	341.940	6321.16	437.62	-381.00	-2461.19	1649755.31	14234081.62	39°11'53.2995"N	80°58'1.3330"W	2490.50	261.200	1.34	-0.06	-1.34	
7697.00	90.430	341.840	6320.47	532.61	-290.71	-2490.72	1649725.80	14234171.87	39°11'54.1920"N	80°58'1.7076"W	2507.62	263.343	0.11	0.03	-0.11	

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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
7792.00	90.340	341.800	6319.83	627.60	-200.45	-2520.35	1649696.17	14234262.09	39°11'55.0842"N	80°58'2.0837"W	2528.31	265.453	0.10	-0.09	-0.04	
7886.00	90.310	341.720	6319.30	721.59	-111.17	-2549.78	1649666.76	14234351.33	39°11'55.9667"N	80°58'2.4570"W	2552.20	267.503	0.09	-0.03	-0.09	
7980.00	90.400	341.840	6318.71	815.58	-21.89	-2579.17	1649637.38	14234440.58	39°11'56.8493"N	80°58'2.8299"W	2579.26	269.514	0.16	0.10	0.13	
8075.00	90.340	341.680	6318.10	910.57	68.34	-2608.90	1649607.66	14234530.77	39°11'57.7412"N	80°58'3.2072"W	2609.80	271.500	0.18	-0.06	-0.17	
8170.00	90.400	341.780	6317.49	1005.57	158.54	-2638.68	1649577.89	14234620.94	39°11'58.6329"N	80°58'3.5851"W	2643.44	273.438	0.12	0.06	0.11	
8264.00	90.370	341.620	6316.86	1099.56	247.79	-2668.20	1649548.39	14234710.15	39°11'59.5151"N	80°58'3.9596"W	2679.68	275.306	0.17	-0.03	-0.17	
8359.00	90.460	342.110	6316.17	1194.55	338.07	-2697.77	1649518.83	14234800.39	39°12'0.4075"N	80°58'4.3347"W	2718.86	277.143	0.52	0.09	0.52	
8547.00	90.400	342.110	6314.76	1382.51	516.97	-2755.52	1649461.10	14234979.22	39°12'2.1759"N	80°58'5.0675"W	2803.59	280.626	0.03	-0.03	0.00	
8642.00	90.370	342.080	6314.12	1477.49	607.37	-2784.72	1649431.91	14235069.58	39°12'3.0695"N	80°58'5.4381"W	2850.19	282.304	0.04	-0.03	-0.03	
8737.00	90.460	341.840	6313.43	1572.48	697.70	-2814.14	1649402.50	14235159.88	39°12'3.9624"N	80°58'5.8114"W	2899.34	283.924	0.27	0.09	-0.25	
8831.00	90.430	342.020	6312.70	1666.47	787.06	-2843.30	1649373.36	14235249.20	39°12'4.8457"N	80°58'6.1813"W	2950.22	285.473	0.19	-0.03	0.19	
8926.00	90.370	341.960	6312.04	1761.45	877.40	-2872.67	1649344.00	14235339.51	39°12'5.7388"N	80°58'6.5540"W	3003.67	286.984	0.09	-0.06	-0.06	
9020.00	90.430	342.150	6311.38	1855.44	966.82	-2901.63	1649315.05	14235428.90	39°12'6.6227"N	80°58'6.9215"W	3058.46	288.428	0.21	0.06	0.20	
9115.00	90.430	341.840	6310.67	1950.42	1057.17	-2930.99	1649285.70	14235519.21	39°12'7.5158"N	80°58'7.2941"W	3115.82	289.834	0.33	0.00	-0.33	
9209.00	90.370	340.940	6310.01	2044.42	1146.25	-2960.99	1649255.71	14235608.25	39°12'8.3964"N	80°58'7.6748"W	3175.11	291.162	0.96	-0.06	-0.96	
9304.00	90.400	340.900	6309.37	2139.41	1236.03	-2992.04	1649224.67	14235697.99	39°12'9.2838"N	80°58'8.0689"W	3237.30	292.446	0.05	0.03	-0.04	
9399.00	90.430	340.910	6308.69	2234.41	1325.80	-3023.12	1649193.60	14235787.73	39°12'10.1712"N	80°58'8.4632"W	3301.06	293.680	0.03	0.03	0.01	
9493.00	90.400	340.790	6308.00	2328.41	1414.60	-3053.96	1649162.78	14235876.49	39°12'11.0490"N	80°58'8.8545"W	3365.67	294.854	0.13	-0.03	-0.13	
9588.00	90.490	340.970	6307.27	2423.40	1504.35	-3085.07	1649131.68	14235966.21	39°12'11.9362"N	80°58'9.2494"W	3432.31	295.995	0.21	0.09	0.19	
9683.00	90.430	340.950	6306.50	2518.40	1594.15	-3116.06	1649100.70	14236055.97	39°12'12.8239"N	80°58'9.6427"W	3500.17	297.094	0.07	-0.06	-0.02	
9777.00	90.400	340.770	6305.82	2612.40	1682.96	-3146.88	1649069.89	14236144.74	39°12'13.7017"N	80°58'10.0338"W	3568.64	298.138	0.19	-0.03	-0.19	
9872.00	90.430	341.040	6305.14	2707.39	1772.73	-3177.96	1649038.83	14236234.47	39°12'14.5891"N	80°58'10.4282"W	3638.95	299.154	0.29	0.03	0.28	
9967.00	90.430	340.650	6304.42	2802.39	1862.46	-3209.13	1649007.67	14236324.17	39°12'15.4761"N	80°58'10.8238"W	3710.43	300.129	0.41	0.00	-0.41	
10061.00	90.460	341.190	6303.69	2896.39	1951.30	-3239.86	1648976.96	14236412.97	39°12'16.3543"N	80°58'11.2137"W	3782.09	301.060	0.58	0.03	0.57	
10156.00	90.400	340.950	6302.98	2991.38	2041.16	-3270.67	1648946.15	14236502.80	39°12'17.2425"N	80°58'11.6049"W	3855.34	301.967	0.26	-0.06	-0.25	
10251.00	90.430	340.970	6302.29	3086.38	2130.96	-3301.67	1648915.17	14236592.56	39°12'18.1302"N	80°58'11.9982"W	3929.63	302.839	0.04	0.03	0.02	
10345.00	90.340	340.900	6301.66	3180.38	2219.80	-3332.37	1648884.48	14236681.37	39°12'19.0084"N	80°58'12.3878"W	4004.02	303.669	0.12	-0.10	-0.07	
10440.00	90.490	341.290	6300.97	3275.38	2309.67	-3363.15	1648853.71	14236771.20	39°12'19.8968"N	80°58'12.7784"W	4079.87	304.480	0.44	0.16	0.41	
10535.00	90.370	341.160	6300.26	3370.37	2399.61	-3393.72	1648823.15	14236861.11	39°12'20.7859"N	80°58'13.1665"W	4156.38	305.263	0.19	-0.13	-0.14	
10629.00	90.060	341.120	6299.91	3464.37	2488.57	-3424.11	1648792.78	14236950.03	39°12'21.6652"N	80°58'13.5521"W	4232.90	306.009	0.33	-0.33	-0.04	

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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
10724.00	90.060	341.210	6299.81	3559.37	2578.48	-3454.78	1648762.12	14237039.90	39°12'22.5539"N	80°58'13.9413"W	4310.92	306.736	0.09	0.00	0.09	
10819.00	90.060	340.820	6299.71	3654.37	2668.31	-3485.68	1648731.23	14237129.70	39°12'23.4419"N	80°58'14.3336"W	4389.75	307.434	0.41	0.00	-0.41	
10913.00	89.600	341.070	6299.99	3748.37	2757.16	-3516.37	1648700.55	14237218.51	39°12'24.3202"N	80°58'14.7231"W	4468.42	308.100	0.56	-0.49	0.27	
11008.00	89.660	341.120	6300.60	3843.37	2847.03	-3547.15	1648669.78	14237308.35	39°12'25.2086"N	80°58'15.1137"W	4548.39	308.751	0.08	0.06	0.05	
11103.00	89.750	341.170	6301.09	3938.37	2936.93	-3577.85	1648639.09	14237398.21	39°12'26.0973"N	80°58'15.5034"W	4628.89	309.381	0.11	0.09	0.05	
11197.00	89.570	341.030	6301.65	4032.37	3025.86	-3608.30	1648608.66	14237487.11	39°12'26.9763"N	80°58'15.8898"W	4709.11	309.983	0.24	-0.19	-0.15	
11292.00	89.820	340.520	6302.15	4127.36	3115.56	-3639.58	1648577.39	14237576.77	39°12'27.8630"N	80°58'16.2868"W	4790.96	310.564	0.60	0.26	-0.54	
11387.00	89.970	341.050	6302.33	4222.36	3205.27	-3670.85	1648546.14	14237666.44	39°12'28.7498"N	80°58'16.6836"W	4873.28	311.126	0.58	0.16	0.56	
11481.00	90.120	341.430	6302.25	4316.36	3294.28	-3701.08	1648515.92	14237755.41	39°12'29.6296"N	80°58'17.0673"W	4954.82	311.672	0.43	0.16	0.40	
11576.00	89.940	340.920	6302.20	4411.36	3384.20	-3731.73	1648485.28	14237845.30	39°12'30.5184"N	80°58'17.4564"W	5037.72	312.204	0.57	-0.19	-0.54	
11671.00	90.000	341.170	6302.25	4506.36	3474.04	-3762.59	1648454.43	14237935.11	39°12'31.4066"N	80°58'17.8481"W	5121.14	312.717	0.27	0.06	0.26	
11766.00	90.060	341.210	6302.20	4601.36	3563.97	-3793.22	1648423.81	14238025.00	39°12'32.2955"N	80°58'18.2368"W	5204.85	313.215	0.08	0.06	0.04	
11860.00	90.060	340.920	6302.10	4695.36	3652.88	-3823.72	1648393.32	14238113.88	39°12'33.1744"N	80°58'18.6240"W	5288.14	313.691	0.31	0.00	-0.31	
11955.00	90.060	341.000	6302.00	4790.36	3742.69	-3854.72	1648362.34	14238203.64	39°12'34.0621"N	80°58'19.0174"W	5372.76	314.155	0.08	0.00	0.08	
12050.00	90.060	341.100	6301.90	4885.36	3832.54	-3885.57	1648331.50	14238293.46	39°12'34.9502"N	80°58'19.4089"W	5457.65	314.606	0.11	0.00	0.11	
12144.00	90.060	341.010	6301.81	4979.36	3921.45	-3916.08	1648301.00	14238382.33	39°12'35.8291"N	80°58'19.7963"W	5541.97	315.039	0.10	0.00	-0.10	
12239.00	90.060	340.850	6301.71	5074.36	4011.23	-3947.12	1648269.97	14238472.08	39°12'36.7166"N	80°58'20.1903"W	5627.59	315.462	0.17	0.00	-0.17	
12333.00	89.970	341.020	6301.68	5168.36	4100.08	-3977.83	1648239.28	14238560.89	39°12'37.5948"N	80°58'20.5800"W	5712.59	315.867	0.20	-0.10	0.18	
12428.00	90.030	341.010	6301.68	5263.36	4189.91	-4008.73	1648208.39	14238650.68	39°12'38.4828"N	80°58'20.9723"W	5798.73	316.266	0.06	0.06	-0.01	
12522.00	90.030	340.970	6301.63	5357.36	4278.78	-4039.35	1648177.78	14238739.52	39°12'39.3613"N	80°58'21.3609"W	5884.24	316.649	0.04	0.00	-0.04	
12617.00	89.820	340.930	6301.76	5452.36	4368.58	-4070.36	1648146.79	14238829.28	39°12'40.2490"N	80°58'21.7545"W	5970.95	317.024	0.23	-0.22	-0.04	
12806.00	89.820	342.050	6302.35	5641.35	4547.80	-4130.36	1648086.81	14239008.43	39°12'42.0205"N	80°58'22.5161"W	6143.48	317.754	0.59	0.00	0.59	
12901.00	90.060	341.410	6302.45	5736.34	4638.01	-4160.14	1648057.04	14239098.60	39°12'42.9122"N	80°58'22.8941"W	6230.40	318.109	0.72	0.25	-0.67	
12995.00	89.570	340.900	6302.75	5830.34	4726.97	-4190.50	1648026.69	14239187.53	39°12'43.7916"N	80°58'23.2795"W	6317.00	318.443	0.75	-0.52	-0.54	
13090.00	89.630	341.190	6303.42	5925.34	4816.81	-4221.36	1647995.84	14239277.34	39°12'44.6797"N	80°58'23.6712"W	6404.81	318.769	0.31	0.06	0.31	
13185.00	89.380	340.910	6304.24	6020.34	4906.66	-4252.21	1647965.01	14239367.15	39°12'45.5678"N	80°58'24.0628"W	6492.81	319.087	0.40	-0.26	-0.29	
13279.00	89.970	341.460	6304.77	6114.33	4995.64	-4282.53	1647934.70	14239456.09	39°12'46.4473"N	80°58'24.4476"W	6580.00	319.395	0.86	0.63	0.59	
13374.00	89.720	341.280	6305.03	6209.33	5085.66	-4312.87	1647904.37	14239546.07	39°12'47.3372"N	80°58'24.8328"W	6668.19	319.701	0.32	-0.26	-0.19	
13468.00	89.260	340.560	6305.87	6303.33	5174.49	-4343.60	1647873.65	14239634.87	39°12'48.2153"N	80°58'25.2229"W	6755.90	319.989	0.91	-0.49	-0.77	
13563.00	89.420	341.130	6306.96	6398.32	5264.22	-4374.77	1647842.50	14239724.57	39°12'49.1023"N	80°58'25.6185"W	6844.76	320.272	0.62	0.17	0.60	

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD**

WELLPATH DATA (247 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
13658.00	90.150	341.570	6307.32	6493.32	5354.23	-4405.15	1647812.13	14239814.54	39°12'49.9920"N	80°58'26.0042"W	6933.48	320.554	0.90	0.77	0.46	
13752.00	89.450	341.170	6307.64	6587.31	5443.31	-4435.18	1647782.11	14239903.58	39°12'50.8725"N	80°58'26.3854"W	7021.42	320.827	0.86	-0.74	-0.43	
13847.00	89.380	340.720	6308.61	6682.31	5533.10	-4466.19	1647751.11	14239993.33	39°12'51.7600"N	80°58'26.7791"W	7110.70	321.090	0.48	-0.07	-0.47	
13941.00	89.750	341.700	6309.33	6776.30	5622.08	-4496.47	1647720.85	14240082.28	39°12'52.6397"N	80°58'27.1634"W	7199.03	321.348	1.11	0.39	1.04	
14036.00	89.450	341.140	6309.99	6871.30	5712.13	-4526.74	1647690.59	14240172.29	39°12'53.5297"N	80°58'27.5476"W	7288.33	321.604	0.67	-0.32	-0.59	
14130.00	89.260	341.010	6311.05	6965.29	5801.04	-4557.22	1647660.12	14240261.17	39°12'54.4086"N	80°58'27.9346"W	7377.02	321.847	0.24	-0.20	-0.14	
14225.00	89.230	340.530	6312.30	7060.28	5890.73	-4588.51	1647628.85	14240350.83	39°12'55.2952"N	80°58'28.3318"W	7466.94	322.084	0.51	-0.03	-0.51	
14320.00	89.450	341.490	6313.40	7155.28	5980.56	-4619.42	1647597.95	14240440.61	39°12'56.1831"N	80°58'28.7242"W	7556.86	322.317	1.04	0.23	1.01	
14414.00	89.570	341.140	6314.20	7249.27	6069.60	-4649.53	1647567.85	14240529.62	39°12'57.0633"N	80°58'29.1065"W	7645.79	322.547	0.39	0.13	-0.37	
14509.00	89.420	340.950	6315.04	7344.27	6159.44	-4680.39	1647537.00	14240619.43	39°12'57.9514"N	80°58'29.4982"W	7735.94	322.770	0.25	-0.16	-0.20	
14604.00	89.230	341.160	6316.16	7439.26	6249.29	-4711.23	1647506.17	14240709.24	39°12'58.8395"N	80°58'29.8897"W	7826.19	322.988	0.30	-0.20	0.22	
14698.00	89.170	339.620	6317.47	7533.24	6337.83	-4742.77	1647474.64	14240797.74	39°12'59.7146"N	80°58'30.2902"W	7915.93	323.191	1.64	-0.06	-1.64	
14793.00	89.480	341.030	6318.59	7628.22	6427.27	-4774.76	1647442.67	14240887.15	39°13'0.5988"N	80°58'30.6962"W	8006.76	323.392	1.52	0.33	1.48	
14888.00	89.420	341.230	6319.50	7723.22	6517.16	-4805.48	1647411.96	14240977.00	39°13'1.4873"N	80°58'31.0863"W	8097.29	323.597	0.22	-0.06	0.21	
14982.00	89.420	341.270	6320.45	7817.22	6606.17	-4835.69	1647381.76	14241065.98	39°13'2.3671"N	80°58'31.4698"W	8186.90	323.796	0.04	0.00	0.04	
15077.00	89.380	341.210	6321.45	7912.21	6696.12	-4866.24	1647351.22	14241155.89	39°13'3.2563"N	80°58'31.8577"W	8277.58	323.993	0.08	-0.04	-0.06	
15172.00	89.350	340.920	6322.50	8007.20	6785.97	-4897.07	1647320.41	14241245.70	39°13'4.1444"N	80°58'32.2490"W	8368.43	324.184	0.31	-0.03	-0.31	
15266.00	89.570	342.060	6323.38	8101.20	6875.10	-4926.91	1647290.58	14241334.80	39°13'5.0255"N	80°58'32.6279"W	8458.22	324.373	1.24	0.23	1.21	
15361.00	89.690	340.780	6324.00	8196.19	6965.15	-4957.18	1647260.32	14241424.81	39°13'5.9156"N	80°58'33.0121"W	8549.09	324.560	1.35	0.13	-1.35	
15456.00	90.000	341.700	6324.25	8291.19	7055.10	-4987.73	1647229.78	14241514.72	39°13'6.8047"N	80°58'33.4000"W	8640.13	324.741	1.02	0.33	0.97	
15550.00	90.120	341.400	6324.16	8385.18	7144.27	-5017.48	1647200.05	14241603.86	39°13'7.6861"N	80°58'33.7777"W	8730.16	324.919	0.34	0.13	-0.32	
15645.00	90.000	340.900	6324.06	8480.18	7234.17	-5048.17	1647169.37	14241693.73	39°13'8.5748"N	80°58'34.1674"W	8821.41	325.092	0.54	-0.13	-0.53	
15739.00	89.970	339.870	6324.08	8574.18	7322.72	-5079.73	1647137.82	14241782.23	39°13'9.4500"N	80°58'34.5680"W	8912.12	325.251	1.10	-0.03	-1.10	
15834.00	90.030	340.230	6324.08	8669.16	7412.02	-5112.14	1647105.42	14241871.50	39°13'10.3327"N	80°58'34.9796"W	9004.00	325.406	0.38	0.06	0.38	
15929.00	90.000	339.940	6324.06	8764.15	7501.33	-5144.50	1647073.08	14241960.78	39°13'11.2156"N	80°58'35.3904"W	9095.93	325.557	0.31	-0.03	-0.31	
16023.00	90.150	340.100	6323.93	8858.13	7589.68	-5176.62	1647040.97	14242049.09	39°13'12.0889"N	80°58'35.7982"W	9186.98	325.704	0.23	0.16	0.17	
16118.00	90.030	340.120	6323.78	8953.12	7679.01	-5208.94	1647008.66	14242138.38	39°13'12.9719"N	80°58'36.2086"W	9279.02	325.850	0.13	-0.13	0.02	
16212.00	89.850	339.600	6323.88	9047.09	7767.26	-5241.31	1646976.31	14242226.60	39°13'13.8443"N	80°58'36.6195"W	9370.25	325.989	0.59	-0.19	-0.55	
16307.00	89.910	340.410	6324.08	9142.08	7856.53	-5273.79	1646943.84	14242315.84	39°13'14.7267"N	80°58'37.0320"W	9462.45	326.128	0.85	0.06	0.85	
16401.00	89.600	340.300	6324.48	9236.07	7945.06	-5305.39	1646912.25	14242404.33	39°13'15.6018"N	80°58'37.4332"W	9553.59	326.267	0.35	-0.33	-0.12	

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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
16496.00	89.450	339.740	6325.27	9331.05	8034.34	-5337.85	1646879.80	14242493.57	39°13'16.4843"N	80°58'37.8454"W	9645.89	326.401	0.61	-0.16	-0.59	
16591.00	89.380	339.850	6326.24	9426.02	8123.49	-5370.66	1646847.01	14242582.69	39°13'17.3655"N	80°58'38.2620"W	9738.33	326.530	0.14	-0.07	0.12	
16685.00	89.110	338.480	6327.48	9519.96	8211.33	-5404.09	1646813.59	14242670.49	39°13'18.2338"N	80°58'38.6865"W	9830.06	326.650	1.49	-0.29	-1.46	
16780.00	89.570	339.880	6328.57	9614.90	8300.12	-5437.85	1646779.84	14242759.25	39°13'19.1114"N	80°58'39.1152"W	9922.81	326.769	1.55	0.48	1.47	
16875.00	89.540	341.160	6329.31	9709.89	8389.68	-5469.53	1646748.18	14242848.77	39°13'19.9967"N	80°58'39.5174"W	10015.11	326.898	1.35	-0.03	1.35	
16969.00	89.570	341.100	6330.04	9803.88	8478.62	-5499.93	1646717.79	14242937.68	39°13'20.8759"N	80°58'39.9034"W	10106.25	327.029	0.07	0.03	-0.06	
17064.00	89.570	341.200	6330.76	9898.88	8568.53	-5530.63	1646687.11	14243027.54	39°13'21.7645"N	80°58'40.2932"W	10198.40	327.159	0.11	0.00	0.11	
17158.00	89.630	341.210	6331.41	9992.88	8657.51	-5560.91	1646656.84	14243116.49	39°13'22.6441"N	80°58'40.6777"W	10289.62	327.286	0.06	0.06	0.01	
17253.00	89.510	341.090	6332.12	10087.87	8747.41	-5591.60	1646626.15	14243206.36	39°13'23.5328"N	80°58'41.0674"W	10381.87	327.412	0.18	-0.13	-0.13	
17347.00	89.630	341.300	6332.83	10181.87	8836.39	-5621.90	1646595.87	14243295.30	39°13'24.4123"N	80°58'41.4521"W	10473.19	327.535	0.26	0.13	0.22	
17442.00	89.630	341.300	6333.44	10276.87	8926.38	-5652.36	1646565.42	14243385.25	39°13'25.3018"N	80°58'41.8389"W	10565.48	327.657	0.00	0.00	0.00	
17536.00	89.570	341.310	6334.10	10370.87	9015.42	-5682.49	1646535.30	14243474.25	39°13'26.1819"N	80°58'42.2215"W	10656.85	327.776	0.06	-0.06	0.01	
17631.00	89.540	341.090	6334.84	10465.86	9105.34	-5713.10	1646504.70	14243564.15	39°13'27.0708"N	80°58'42.6102"W	10749.27	327.894	0.23	-0.03	-0.23	
17725.00	89.540	341.090	6335.59	10559.86	9194.27	-5743.57	1646474.25	14243653.03	39°13'27.9498"N	80°58'42.9970"W	10840.81	328.007	0.00	0.00	0.00	
17820.00	89.540	341.290	6336.35	10654.86	9284.19	-5774.20	1646443.63	14243742.92	39°13'28.8386"N	80°58'43.3859"W	10933.32	328.121	0.21	0.00	0.21	
17914.00	89.600	341.310	6337.06	10748.85	9373.23	-5804.33	1646413.51	14243831.92	39°13'29.7187"N	80°58'43.7686"W	11024.87	328.232	0.07	0.06	0.02	
18009.00	89.540	341.280	6337.77	10843.85	9463.21	-5834.80	1646383.06	14243921.86	39°13'30.6081"N	80°58'44.1555"W	11117.43	328.343	0.07	-0.06	-0.03	
18104.00	89.540	341.060	6338.54	10938.85	9553.12	-5865.46	1646352.41	14244011.74	39°13'31.4969"N	80°58'44.5448"W	11210.07	328.451	0.23	0.00	-0.23	
18199.00	89.510	341.100	6339.32	11033.84	9642.98	-5896.26	1646321.62	14244101.57	39°13'32.3852"N	80°58'44.9359"W	11302.79	328.556	0.05	-0.03	0.04	
18293.00	89.570	341.210	6340.08	11127.84	9731.94	-5926.62	1646291.27	14244190.49	39°13'33.2645"N	80°58'45.3215"W	11394.54	328.659	0.13	0.06	0.12	
18388.00	89.510	341.340	6340.84	11222.84	9821.91	-5957.12	1646260.78	14244280.42	39°13'34.1538"N	80°58'45.7088"W	11487.26	328.763	0.15	-0.06	0.14	
18483.00	89.600	341.310	6341.58	11317.83	9911.91	-5987.54	1646230.38	14244370.38	39°13'35.0434"N	80°58'46.0950"W	11580.00	328.865	0.10	0.09	-0.03	
18577.00	89.540	341.280	6342.28	11411.83	10000.94	-6017.68	1646200.25	14244459.38	39°13'35.9234"N	80°58'46.4778"W	11671.82	328.964	0.07	-0.06	-0.03	
18672.00	89.480	340.690	6343.10	11506.83	10090.75	-6048.63	1646169.31	14244549.16	39°13'36.8112"N	80°58'46.8709"W	11764.75	329.061	0.62	-0.06	-0.62	
18767.00	89.350	340.880	6344.07	11601.82	10180.45	-6079.90	1646138.06	14244638.82	39°13'37.6978"N	80°58'47.2679"W	11857.77	329.154	0.24	-0.14	0.20	
18861.00	89.380	341.060	6345.11	11695.81	10269.31	-6110.55	1646107.42	14244727.64	39°13'38.5762"N	80°58'47.6571"W	11949.79	329.246	0.19	0.03	0.19	
18956.00	89.660	341.340	6345.90	11790.81	10359.24	-6141.16	1646076.82	14244817.54	39°13'39.4651"N	80°58'48.0459"W	12042.74	329.340	0.42	0.29	0.29	
19051.00	89.600	341.360	6346.52	11885.81	10449.25	-6171.54	1646046.45	14244907.51	39°13'40.3548"N	80°58'48.4316"W	12135.68	329.433	0.07	-0.06	0.02	
19145.00	89.350	341.980	6347.38	11979.80	10538.48	-6201.10	1646016.90	14244996.70	39°13'41.2367"N	80°58'48.8070"W	12227.56	329.526	0.71	-0.27	0.66	
19240.00	89.230	341.080	6348.56	12074.79	10628.57	-6231.19	1645986.82	14245086.76	39°13'42.1273"N	80°58'49.1892"W	12320.49	329.618	0.96	-0.13	-0.95	

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Elliott Unit 1H ST01
Field	Ritchie	API	47-085-10551-0000
Facility	Minear Pad	Wellbore	Elliott Unit 1H ST01 AWB
Slot	Slot F	Sidetrack from	Elliott Unit 1H AWP Proj: 7124' at 5121.00 MD

WELLPATH DATA (247 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
19335.00	89.290	341.090	6349.78	12169.78	10718.44	-6261.99	1645956.04	14245176.59	39°13'43.0156"N	80°58'49.5803"W	12413.60	329.705	0.06	0.06	0.01	
19429.00	89.290	341.160	6350.95	12263.77	10807.38	-6292.39	1645925.64	14245265.49	39°13'43.8947"N	80°58'49.9664"W	12505.74	329.791	0.07	0.00	0.07	
19524.00	89.230	340.890	6352.17	12358.76	10897.21	-6323.28	1645894.77	14245355.29	39°13'44.7826"N	80°58'50.3587"W	12598.93	329.875	0.29	-0.06	-0.28	
19619.00	89.320	341.040	6353.38	12453.76	10987.00	-6354.26	1645863.80	14245445.05	39°13'45.6702"N	80°58'50.7521"W	12692.16	329.957	0.18	0.09	0.16	
19713.00	89.260	340.950	6354.54	12547.75	11075.87	-6384.87	1645833.20	14245533.88	39°13'46.5487"N	80°58'51.1408"W	12784.43	330.038	0.12	-0.06	-0.10	
19808.00	89.570	341.100	6355.51	12642.74	11165.71	-6415.76	1645802.33	14245623.68	39°13'47.4366"N	80°58'51.5331"W	12877.69	330.119	0.36	0.33	0.16	
19903.00	89.540	340.990	6356.25	12737.74	11255.55	-6446.62	1645771.48	14245713.49	39°13'48.3247"N	80°58'51.9250"W	12970.98	330.198	0.12	-0.03	-0.12	
19997.00	89.420	340.950	6357.10	12831.74	11344.41	-6477.27	1645740.85	14245802.31	39°13'49.2030"N	80°58'52.3142"W	13063.33	330.275	0.13	-0.13	-0.04	
20092.00	89.970	341.020	6357.61	12926.73	11434.23	-6508.22	1645709.91	14245892.09	39°13'50.0908"N	80°58'52.7073"W	13156.69	330.352	0.58	0.58	0.07	
20186.00	90.030	340.970	6357.61	13020.73	11523.10	-6538.83	1645679.31	14245980.93	39°13'50.9693"N	80°58'53.0961"W	13249.08	330.427	0.08	0.06	-0.05	
20281.00	89.910	341.170	6357.66	13115.73	11612.96	-6569.65	1645648.50	14246070.76	39°13'51.8575"N	80°58'53.4875"W	13342.46	330.502	0.25	-0.13	0.21	
20375.00	89.940	341.070	6357.78	13209.73	11701.91	-6600.07	1645618.10	14246159.66	39°13'52.7367"N	80°58'53.8738"W	13434.86	330.576	0.11	0.03	-0.11	
20470.00	89.350	340.970	6358.37	13304.73	11791.74	-6630.96	1645587.21	14246249.46	39°13'53.6247"N	80°58'54.2662"W	13528.29	330.649	0.63	-0.62	-0.11	
20565.00	89.350	341.030	6359.45	13399.72	11881.56	-6661.89	1645556.30	14246339.24	39°13'54.5125"N	80°58'54.6590"W	13621.75	330.721	0.06	0.00	0.06	
20659.00	89.600	341.230	6360.31	13493.72	11970.50	-6692.29	1645525.91	14246428.15	39°13'55.3916"N	80°58'55.0451"W	13714.21	330.792	0.34	0.27	0.21	
20754.00	89.450	341.020	6361.10	13588.72	12060.39	-6723.02	1645495.19	14246518.00	39°13'56.2801"N	80°58'55.4355"W	13807.68	330.863	0.27	-0.16	-0.22	
20849.00	89.570	341.210	6361.91	13683.71	12150.27	-6753.77	1645464.46	14246607.85	39°13'57.1686"N	80°58'55.8260"W	13901.17	330.932	0.24	0.13	0.20	
20944.00	89.290	341.180	6362.85	13778.71	12240.20	-6784.39	1645433.85	14246697.74	39°13'58.0574"N	80°58'56.2149"W	13994.66	331.002	0.30	-0.29	-0.03	
21038.00	89.420	341.260	6363.91	13872.70	12329.19	-6814.65	1645403.60	14246786.69	39°13'58.9371"N	80°58'56.5992"W	14087.17	331.069	0.16	0.14	0.09	
21133.00	89.380	341.050	6364.91	13967.70	12419.09	-6845.33	1645372.93	14246876.56	39°13'59.8257"N	80°58'56.9889"W	14180.70	331.137	0.23	-0.04	-0.22	
21227.00	89.380	341.230	6365.92	14061.69	12508.04	-6875.72	1645342.55	14246965.47	39°14'0.7049"N	80°58'57.3749"W	14273.28	331.202	0.19	0.00	0.19	
21322.00	89.380	341.120	6366.95	14156.69	12597.95	-6906.37	1645311.91	14247055.35	39°14'1.5936"N	80°58'57.7642"W	14366.85	331.268	0.12	0.00	-0.12	
21417.00	89.420	341.270	6367.95	14251.68	12687.87	-6936.99	1645281.30	14247145.24	39°14'2.4825"N	80°58'58.1531"W	14460.43	331.333	0.16	0.04	0.16	
21511.00	89.750	341.290	6368.63	14345.68	12776.90	-6967.16	1645251.15	14247234.23	39°14'3.3625"N	80°58'58.5363"W	14553.02	331.397	0.35	0.35	0.02	
21606.00	89.780	341.340	6369.02	14440.68	12866.89	-6997.60	1645220.73	14247324.18	39°14'4.2520"N	80°58'58.9229"W	14646.61	331.461	0.06	0.03	0.05	
21701.00	89.720	341.060	6369.43	14535.67	12956.82	-7028.21	1645190.12	14247414.08	39°14'5.1409"N	80°58'59.3117"W	14740.25	331.523	0.30	-0.06	-0.29	
21795.00	89.780	341.330	6369.84	14629.67	13045.80	-7058.51	1645159.84	14247503.02	39°14'6.0204"N	80°58'59.6966"W	14832.92	331.584	0.29	0.06	0.29	
21890.00	89.750	341.210	6370.23	14724.67	13135.77	-7089.02	1645129.34	14247592.95	39°14'6.9097"N	80°59'0.0841"W	14926.58	331.645	0.13	-0.03	-0.13	
21985.00	89.720	341.110	6370.67	14819.67	13225.68	-7119.69	1645098.68	14247682.83	39°14'7.7984"N	80°59'0.4737"W	15020.28	331.705	0.11	-0.03	-0.11	
22080.00	89.690	341.070	6371.16	14914.67	13315.55	-7150.48	1645067.90	14247772.66	39°14'8.6867"N	80°59'0.8648"W	15114.01	331.764	0.05	-0.03	-0.04	

Actual Wellpath Report

Elliott Unit 1H ST01 AWP Proj: 22724'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124'** at **5121.00 MD**

WELLPATH DATA (247 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
22174.00	89.750	341.180	6371.62	15008.67	13404.50	-7180.89	1645037.51	14247861.57	39°14'9.5659"N	80°59'1.2510"W	15206.77	331.822	0.13	0.06	0.12	
22269.00	89.780	341.230	6372.01	15103.67	13494.43	-7211.50	1645006.91	14247951.47	39°14'10.4549"N	80°59'1.6398"W	15300.50	331.880	0.06	0.03	0.05	
22364.00	89.780	341.270	6372.37	15198.67	13584.39	-7242.03	1644976.39	14248041.39	39°14'11.3440"N	80°59'2.0277"W	15394.24	331.937	0.04	0.00	0.04	
22458.00	89.820	341.320	6372.70	15292.67	13673.42	-7272.18	1644946.25	14248130.39	39°14'12.2241"N	80°59'2.4106"W	15487.00	331.994	0.07	0.04	0.05	
22553.00	89.720	341.290	6373.08	15387.66	13763.41	-7302.63	1644915.82	14248220.34	39°14'13.1136"N	80°59'2.7974"W	15580.75	332.050	0.11	-0.11	-0.03	
22648.00	89.690	341.080	6373.57	15482.66	13853.33	-7333.27	1644885.19	14248310.23	39°14'14.0024"N	80°59'3.1866"W	15674.55	332.105	0.22	-0.03	-0.22	
22724.00‡	89.690	341.080	6373.98	15558.66	13925.23	-7357.91	1644860.56	14248382.09	39°14'14.7130"N	80°59'3.4996"W	15749.63	332.149	0.00	0.00	0.00	Projected MD at TD: 22724'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = **7.24**

Reference: IADC/SPE 59196

Values	Wellpath characterized as:
< 6.0	Relatively short or simple profiles with low tortuosity
< 6.0-6.4	Shorter with high tortuosity or longer with lower tortuosity
6.4-6.8	Longer with relatively tortuous well paths
> 6.8	Long tortuous profiles, high degree of difficulty

HOLE & CASING SECTIONS - Ref Wellbore: Elliott Unit 1H ST01 AWB Ref Wellpath: Elliott Unit 1H ST01 AWP Proj: 22724'

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	-0.22	0.35
17.5in Open Hole	125.50	861.00	735.50	125.50	860.99	-0.22	0.35	-2.69	1.15
13.375in Casing Surface	25.50	841.00	815.50	25.50	840.99	0.00	0.00	-2.51	1.21
12.25in Open Hole	861.00	3436.00	2575.00	860.99	3217.51	-2.69	1.15	-510.94	-802.69
9.625in Casing Intermediate	25.50	3406.00	3380.50	25.50	3190.39	0.00	0.00	-503.49	-792.22
8.75in Open Hole	3436.00	5121.00	1685.00	3217.51	4703.82	-510.94	-802.69	-947.48	-1463.14
8.5in Open Hole	5121.00	22724.00	17603.00	4703.82	6373.98	-947.48	-1463.14	13925.23	-7357.91
5.5in Casing Production	25.50	22704.00	22678.50	25.50	6373.88	0.00	0.00	13906.31	-7351.42

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124'** at **5121.00 MD**

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Elliott Unit 1H POE Rev-3	6301.00	-771.42	-2324.00	**1649892.44**	**14233691.35**	39°11'49.4401"N	80°57'59.5923"W	point
Elliott Unit 1H BHL Rev-3	6323.00	14017.36	-7393.21	**1644825.27**	**14248474.19**	39°14'15.6237"N	80°59'3.9480"W	point
Elliott Unit 1H BHL Rev-4	6323.00	13902.94	-7353.99	**1644864.48**	**14248359.81**	39°14'14.4927"N	80°59'3.4498"W	point
Elliott Unit 1H LP Rev-4	6323.00	-628.66	-2382.07	**1649834.40**	**14233834.05**	39°11'50.8513"N	80°58'0.3292"W	point
Elliott Unit 1H 50' L/R Hard Line Rev-2	6500.00	6565.29	-4838.83	1647378.62	14241025.11	39°13'1.9631"N	80°58'31.5099"W	rectangle
	2D Rectangle 15511.5 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Elliott Unit 1H ST01 AWB Ref Wellpath: Elliott Unit 1H ST01 AWP Proj: 22724'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	839.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-839')	Elliott Unit 1H AWB	5/2/2025
839.00	3361.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (839')(962'-3361')	Elliott Unit 1H AWB	5/2/2025
3361.00	5121.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3361')(3414'-5972')	Elliott Unit 1H AWB	7/9/2025
5121.00	22724.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05_BH Lucida <8-1/2"> (5121')(5237'-22648')	Elliott Unit 1H ST01 AWB	7/16/2025

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Elliott Unit 1H ST01**
Field	**Ritchie**	API	**47-085-10551-0000**
Facility	**Minear Pad**	Wellbore	**Elliott Unit 1H ST01 AWB**
Slot	**Slot F**	Sidetrack from	**Elliott Unit 1H AWP Proj: 7124'** at **5121.00 MD**

COMMENTS

Wellpath general comments
API: 47-085-10551-0000
BH Job #: 112660881
Rig: H&P 317
Duration: 7/16/2025-7/20/2025
Gyrodata MS Gyro <17-1/2"> (100'-839')
APS EM <12-1/4"> (839')(962'-3361')
APS EM <8-3/4"> (3361')(3414'-5121')
BH Lucida <8-1/2"> (5121')(5237'-22648')
Sycamore: 6605' MD
Middlesex: 6806' MD
Burkett: 6990' MD
Tully: 7065' MD
Marcellus POE: 7130' MD
Projected MD at TD: 22724'