



ANTERO RESOURCES CORPORATION

Location: Ritchie County, WV
Field: Ritchie
Facility: Olympus Pad

Slot: Slot E
Well: Doll Unit 1H
Wellbore: Doll Unit 1H PWB

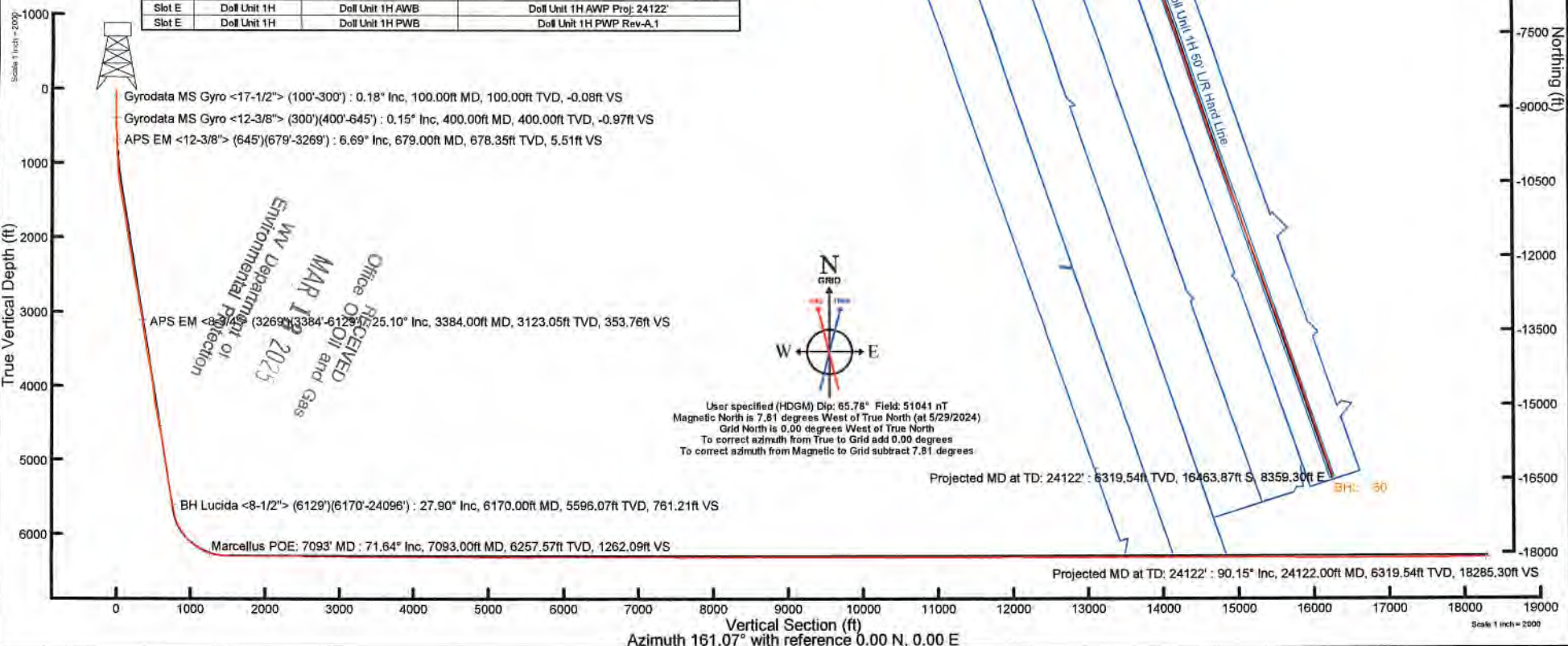


Plot reference wellpath is: Doll Unit 1H PWB Rev-A.1	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1050.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot E): -1025 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: ehucorp on 2024-06-21; Database: WA, MPL, EASTERNUS, Data

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Olympus Pad	1638177.570	14265633.590	39°17'5.2943"N	81°00'28.4874"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot E	-17.95	24.04	1638201.600	14265615.850	39°17'5.1169"N
Comment: Doll Unit 1H					
H&P 317 (RKB) to Ground level (At Slot: Slot E)					25.5ft
Mean Sea Level to Ground level (At Slot: Slot E)					-1025ft
H&P 317 (RKB) to Mean Sea Level					1050.5ft

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	25.50	0.000	89.362	25.50	0.00	0.00	0.00	0.00
KOP 1	410.00	0.000	89.362	410.00	0.00	0.00	0.00	0.00
End of Build	1311.56	27.047	89.362	1278.45	2.33	208.86	3.00	65.56
Curve KOP	6281.18	27.047	89.362	5704.57	27.49	2468.50	0.00	774.81
POE	7111.77	72.808	161.068	6261.00	-394.02	2827.15	8.00	1288.88
Landing Pt.	7326.57	90.000	161.068	6293.00	-584.26	2895.86	8.00	1501.57
BHL	24119.84	90.000	161.068	6293.00	-16479.01	8344.27	0.00	16294.75

Well Data			
Slot	Well	Wellbore	Wellpath
Slot E	Doll Unit 1H	Doll Unit 1H AWB	Doll Unit 1H AWP Proj: 24122'
Slot E	Doll Unit 1H	Doll Unit 1H PWB	Doll Unit 1H PWP Rev-A.1





Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 1 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999600	Report Generated	6/21/2024 at 4:40:36 PM
Convergence at slot	0.00°	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	-17.95	24.04	1638201.60	14265615.65	39°17'5.1169"N	81°00'28.1817"W
Facility Reference Pt			1638177.57	14265633.59	39°17'5.2943"N	81°00'28.4874"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	1050.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1050.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot E)	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	161.07°

RECEIVED
Office Of Oil and Gas
MAR 13 2025
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 2 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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	296.490	0.00	0.00	0.00	0.00	1638201.60	14265615.65	39°17'5.1169"N	81°00'28.1817"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	296.490	25.50	0.00	0.00	0.00	1638201.60	14265615.65	39°17'5.1169"N	81°00'28.1817"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.180	296.490	100.00	-0.08	0.05	-0.10	1638201.50	14265615.70	39°17'5.1175"N	81°00'28.1830"W	0.12	296.490	0.24	0.24	0.00	Gyrodata MS Gyro <17-1/2"> (100'-300')
200.00	0.230	299.150	200.00	-0.34	0.22	-0.42	1638201.18	14265615.87	39°17'5.1191"N	81°00'28.1870"W	0.47	297.614	0.05	0.05	2.66	
287.00	0.350	302.850	287.00	-0.68	0.45	-0.80	1638200.80	14265616.10	39°17'5.1214"N	81°00'28.1918"W	0.91	299.427	0.14	0.14	4.25	
300.00	0.350	323.440	300.00	-0.75	0.50	-0.85	1638200.75	14265616.15	39°17'5.1219"N	81°00'28.1925"W	0.99	300.499	0.96	0.00	158.38	
400.00	0.150	103.290	400.00	-0.97	0.72	-0.91	1638200.69	14265616.37	39°17'5.1240"N	81°00'28.1932"W	1.16	308.334	0.47	-0.20	139.85	Gyrodata MS Gyro <12-3/8"> (300')(400'-645')
500.00	2.330	99.570	499.97	0.07	0.35	1.22	1638202.82	14265616.00	39°17'5.1204"N	81°00'28.1661"W	1.27	74.053	2.18	2.18	-3.72	
600.00	4.990	92.900	599.76	2.65	-0.21	7.57	1638209.17	14265615.44	39°17'5.1149"N	81°00'28.0854"W	7.58	91.575	2.69	2.66	-6.67	
645.00	5.790	91.550	644.56	4.18	-0.37	11.80	1638213.39	14265615.28	39°17'5.1133"N	81°00'28.0317"W	11.80	91.790	1.80	1.78	-3.00	
679.00	6.690	92.900	678.35	5.51	-0.52	15.49	1638217.08	14265615.13	39°17'5.1119"N	81°00'27.9847"W	15.50	91.905	2.68	2.65	3.97	APS EM <12-3/8"> (645')(679'-3269')
767.00	8.920	88.180	765.53	9.43	-0.56	27.43	1638229.02	14265615.09	39°17'5.1115"N	81°00'27.8329"W	27.44	91.165	2.63	2.53	-5.36	
856.00	11.540	80.450	853.12	12.91	1.14	43.11	1638244.69	14265616.79	39°17'5.1282"N	81°00'27.6335"W	43.12	88.487	3.32	2.94	-8.69	
946.00	14.460	80.890	940.80	16.29	4.41	63.09	1638264.66	14265620.06	39°17'5.1606"N	81°00'27.3794"W	63.24	85.999	3.25	3.24	0.49	
1035.00	18.240	80.950	1026.19	20.58	8.36	87.82	1638289.39	14265624.01	39°17'5.1997"N	81°00'27.0648"W	88.22	84.560	4.25	4.25	0.07	
1129.00	20.750	83.870	1114.79	26.79	12.46	118.91	1638320.46	14265628.10	39°17'5.2402"N	81°00'26.6694"W	119.56	84.020	2.86	2.67	3.11	
1223.00	24.040	87.050	1201.69	35.76	15.22	154.60	1638356.14	14265630.86	39°17'5.2675"N	81°00'26.2156"W	155.35	84.377	3.73	3.50	3.38	
1318.00	26.810	90.050	1287.49	48.05	16.20	195.36	1638396.88	14265631.84	39°17'5.2772"N	81°00'25.6972"W	196.03	85.260	3.21	2.92	3.16	
1413.00	27.480	90.050	1372.02	62.15	16.16	238.70	1638440.20	14265631.80	39°17'5.2769"N	81°00'25.1460"W	239.25	86.127	0.71	0.71	0.00	
1507.00	28.110	89.050	1455.18	76.04	16.51	282.53	1638484.02	14265632.15	39°17'5.2803"N	81°00'24.5886"W	283.01	86.656	0.83	0.67	-1.06	
1602.00	28.330	88.250	1538.89	89.61	17.57	327.44	1638528.91	14265633.21	39°17'5.2908"N	81°00'24.0175"W	327.91	86.929	0.46	0.23	-0.84	
1696.00	28.790	87.190	1621.45	102.48	19.36	372.34	1638573.79	14265635.00	39°17'5.3086"N	81°00'23.4464"W	372.84	87.024	0.73	0.49	-1.13	
1790.00	29.060	88.960	1703.72	115.78	20.88	417.78	1638619.21	14265636.52	39°17'5.3237"N	81°00'22.8686"W	418.30	87.138	0.95	0.29	1.88	
1885.00	29.410	87.850	1786.62	129.60	22.18	464.15	1638665.57	14265637.82	39°17'5.3365"N	81°00'22.2788"W	464.68	87.265	0.68	0.37	-1.17	
1980.00	29.320	86.240	1869.42	142.42	24.58	510.67	1638712.07	14265640.22	39°17'5.3602"N	81°00'21.6872"W	511.26	87.245	0.84	-0.09	-1.69	
2074.00	28.480	86.550	1951.71	155.18	26.65	556.04	1638757.42	14265642.29	39°17'5.3808"N	81°00'21.1101"W	556.68	87.256	1.49	-0.89	2.46	
2169.00	27.320	90.780	2035.62	169.33	26.93	600.49	1638801.85	14265642.57	39°17'5.3836"N	81°00'20.5449"W	601.09	87.432	1.64	-1.22	2.35	
2263.00	27.910	92.050	2118.96	184.49	25.85	644.05	1638845.39	14265641.49	39°17'5.3729"N	81°00'19.9910"W	644.56	87.702	0.89	0.63	1.35	
2358.00	26.830	89.360	2203.33	199.17	25.29	687.71	1638889.03	14265640.93	39°17'5.3674"N	81°00'19.4357"W	688.17	87.894	1.73	-1.14	-2.83	
2452.00	26.010	87.030	2287.52	211.50	26.60	729.50	1638930.81	14265642.24	39°17'5.3804"N	81°00'18.9042"W	729.99	87.912	1.41	-0.87	-2.48	

REVIEWED
Oil and Gas
3/2025
Dept of
Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 3 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
2547.00	25.860	88.550	2372.95	223.45	28.20	771.02	1638972.31	14265643.84	39°17'5.3962"N	81°00'18.3762"W	771.53	87.905	0.72	-0.16	1.60	
2641.00	26.280	91.120	2457.39	236.74	28.31	812.32	1639013.59	14265643.95	39°17'5.3974"N	81°00'17.8510"W	812.81	88.004	1.28	0.45	2.73	
2736.00	26.980	93.570	2542.31	252.20	26.56	854.85	1639056.11	14265642.20	39°17'5.3801"N	81°00'17.3100"W	855.27	88.220	1.37	0.74	2.58	
2830.00	26.700	93.020	2626.19	268.25	24.12	897.22	1639098.46	14265639.76	39°17'5.3560"N	81°00'16.7712"W	897.55	88.460	0.40	-0.30	-0.59	
2925.00	26.020	91.340	2711.31	283.45	22.51	939.37	1639140.59	14265638.15	39°17'5.3401"N	81°00'16.2352"W	939.64	88.627	1.06	-0.72	-1.77	
3020.00	26.050	91.100	2796.67	297.82	21.62	981.06	1639182.26	14265637.26	39°17'5.3313"N	81°00'15.7050"W	981.30	88.737	0.12	0.03	-0.25	
3114.00	26.910	92.710	2880.81	312.73	20.22	1022.94	1639224.13	14265635.86	39°17'5.3175"N	81°00'15.1723"W	1023.14	88.868	1.19	0.91	1.71	
3209.00	26.560	92.230	2965.65	328.33	18.38	1065.64	1639266.81	14265634.02	39°17'5.2993"N	81°00'14.6293"W	1065.80	89.012	0.43	-0.37	-0.51	
3269.00	26.230	91.250	3019.40	337.74	17.57	1092.30	1639293.46	14265633.21	39°17'5.2913"N	81°00'14.2902"W	1092.44	89.079	0.91	-0.55	-1.63	
3384.00	25.100	88.360	3123.05	353.76	17.71	1142.09	1639343.23	14265633.35	39°17'5.2927"N	81°00'13.6570"W	1142.23	89.112	1.47	-0.98	-2.51	APS EM <8-3/4"> (3269')(3384'-6129')
3485.00	24.150	89.480	3214.87	366.65	18.51	1184.17	1639385.29	14265634.15	39°17'5.3006"N	81°00'13.1219"W	1184.31	89.104	1.05	-0.94	1.11	
3579.00	25.820	89.680	3300.07	379.26	18.80	1223.87	1639424.98	14265634.44	39°17'5.3035"N	81°00'12.6170"W	1224.01	89.120	1.78	1.78	0.21	
3674.00	28.560	90.620	3384.56	393.46	18.67	1267.27	1639468.36	14265634.31	39°17'5.3022"N	81°00'12.0650"W	1267.41	89.156	2.92	2.88	0.99	
3769.00	28.200	88.340	3468.15	407.72	19.07	1312.42	1639513.49	14265634.71	39°17'5.3062"N	81°00'11.4909"W	1312.56	89.167	1.20	-0.38	-2.40	
3863.00	28.150	90.660	3551.01	421.75	19.46	1356.79	1639557.85	14265635.10	39°17'5.3101"N	81°00'10.9265"W	1356.93	89.178	1.17	-0.05	2.47	
3957.00	27.910	89.730	3633.99	436.23	19.31	1400.97	1639602.00	14265634.95	39°17'5.3086"N	81°00'10.3648"W	1401.10	89.210	0.53	-0.26	-0.99	
4052.00	29.010	90.740	3717.50	451.09	19.12	1446.24	1639647.25	14265634.76	39°17'5.3067"N	81°00'9.7890"W	1446.36	89.243	1.26	1.16	1.06	
4146.00	29.340	90.030	3799.58	466.25	18.81	1492.06	1639693.06	14265634.45	39°17'5.3037"N	81°00'9.2063"W	1492.17	89.278	0.51	0.35	-0.76	
4240.00	28.780	88.220	3881.75	480.41	19.50	1537.70	1639738.69	14265635.14	39°17'5.3105"N	81°00'8.6258"W	1537.83	89.273	1.11	-0.60	-1.93	
4335.00	28.230	86.070	3965.23	492.96	21.75	1582.98	1639783.94	14265637.39	39°17'5.3328"N	81°00'8.0500"W	1583.13	89.213	1.23	-0.58	-2.26	
4429.00	27.560	82.980	4048.31	503.21	25.93	1626.74	1639827.69	14265641.57	39°17'5.3741"N	81°00'7.4934"W	1626.95	89.087	1.69	-0.71	-3.29	
4524.00	27.840	84.410	4132.43	512.86	30.78	1670.63	1639871.56	14265646.42	39°17'5.4221"N	81°00'6.9352"W	1670.92	88.945	0.76	0.29	1.51	
4618.00	28.470	87.990	4215.31	524.45	33.70	1714.87	1639915.78	14265649.34	39°17'5.4510"N	81°00'6.3726"W	1715.20	88.874	1.92	0.67	3.81	
4712.00	29.410	91.520	4297.58	539.03	33.88	1760.34	1639961.23	14265649.51	39°17'5.4527"N	81°00'5.7944"W	1760.67	88.898	2.07	1.00	3.76	
4807.00	28.930	90.430	4380.53	554.80	33.09	1806.63	1640007.51	14265648.72	39°17'5.4449"N	81°00'5.2056"W	1806.94	88.951	0.75	-0.51	-1.15	
4902.00	28.130	93.160	4464.00	570.84	31.68	1851.98	1640052.83	14265647.32	39°17'5.4310"N	81°00'4.6290"W	1852.25	89.020	1.61	-0.84	2.87	
4996.00	27.340	92.820	4547.20	587.17	29.40	1895.66	1640096.50	14265645.03	39°17'5.4084"N	81°00'4.0734"W	1895.89	89.112	0.86	-0.84	-0.36	
5090.00	26.660	90.370	4630.95	602.14	28.20	1938.31	1640139.13	14265643.84	39°17'5.3966"N	81°00'3.5310"W	1938.52	89.167	1.39	-0.72	-2.61	
5187.00	26.830	92.270	4717.58	617.25	27.19	1981.95	1640182.75	14265642.83	39°17'5.3866"N	81°00'2.9761"W	1982.13	89.214	0.90	0.18	1.96	
5282.00	26.520	91.770	4802.47	632.50	25.69	2024.57	1640225.35	14265641.32	39°17'5.3716"N	81°00'2.4340"W	2024.73	89.273	0.40	-0.33	-0.53	

RECEIVED
Office of Oil and Gas
MAR 13 2025
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 4 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
5377.00	25.090	88.920	4887.99	646.17	25.41	2065.91	1640266.68	14265641.05	39°17'5.3690"N	81°00'1.9083"W	2066.06	89.295	1.99	-1.51	-3.00	
5471.00	26.010	90.530	4972.80	659.15	25.59	2106.45	1640307.20	14265641.23	39°17'5.3709"N	81°00'1.3927"W	2106.60	89.304	1.23	0.98	1.71	
5565.00	27.880	92.160	5056.59	673.92	24.58	2149.02	1640349.76	14265640.22	39°17'5.3608"N	81°00'0.8512"W	2149.16	89.345	2.14	1.99	1.73	
5660.00	27.340	87.600	5140.79	688.13	24.65	2193.02	1640393.74	14265640.29	39°17'5.3615"N	81°00'0.2917"W	2193.16	89.356	2.30	-0.57	-4.80	
5754.00	26.240	88.700	5224.70	700.56	26.03	2235.36	1640436.07	14265641.67	39°17'5.3751"N	80°59'59.7532"W	2235.52	89.333	1.28	-1.17	1.17	
5849.00	27.100	90.050	5309.59	713.96	26.48	2278.00	1640478.68	14265642.12	39°17'5.3797"N	80°59'59.2110"W	2278.15	89.334	1.11	0.91	1.42	
5943.00	26.360	88.110	5393.54	727.04	27.15	2320.27	1640520.94	14265642.79	39°17'5.3863"N	80°59'58.6734"W	2320.43	89.329	1.22	-0.79	-2.06	
6037.00	26.270	90.280	5477.80	740.00	27.74	2361.93	1640562.58	14265643.38	39°17'5.3921"N	80°59'58.1436"W	2362.09	89.327	1.03	-0.10	2.31	
6129.00	27.680	92.600	5559.80	754.54	26.67	2403.64	1640604.27	14265642.31	39°17'5.3815"N	80°59'57.6131"W	2403.79	89.364	1.91	1.53	2.52	
6170.00	27.900	90.410	5596.07	761.21	26.17	2422.74	1640623.37	14265641.81	39°17'5.3766"N	80°59'57.3702"W	2422.89	89.381	2.55	0.54	-5.34	BH Lucida <8-1/2"> (6129')(6170'-24096')
6265.00	27.670	89.530	5680.11	775.56	26.19	2467.03	1640667.64	14265641.83	39°17'5.3768"N	80°59'56.8070"W	2467.17	89.392	0.50	-0.24	-0.93	
6359.00	29.250	98.950	5762.79	793.22	22.80	2511.56	1640712.15	14265638.44	39°17'5.3432"N	80°59'56.2406"W	2511.67	89.480	5.06	1.68	10.02	
6454.00	32.180	111.990	5844.55	820.68	9.70	2558.01	1640758.58	14265625.34	39°17'5.2137"N	80°59'55.6499"W	2558.03	89.783	7.64	3.08	13.73	
6548.00	34.660	125.780	5923.12	858.95	-15.34	2602.98	1640803.53	14265600.31	39°17'4.9662"N	80°59'55.0780"W	2603.02	90.338	8.48	2.64	14.67	
6642.00	39.650	135.930	5998.08	908.00	-52.58	2645.59	1640846.13	14265563.09	39°17'4.5982"N	80°59'54.5361"W	2646.11	91.139	8.39	5.31	10.80	
6684.00†	41.831	139.549	6029.91	933.16	-72.87	2664.00	1640864.53	14265542.81	39°17'4.3976"N	80°59'54.3020"W	2665.00	91.567	7.65	5.19	8.62	Sycamore: 6684' MD
6737.00	44.730	143.690	6068.50	967.42	-101.36	2686.52	1640887.04	14265514.33	39°17'4.1160"N	80°59'54.0156"W	2688.43	92.161	7.65	5.47	7.81	
6818.00†	50.422	149.124	6123.14	1025.23	-151.18	2719.46	1640919.96	14265464.53	39°17'3.6236"N	80°59'53.5967"W	2723.66	93.182	8.59	7.03	6.71	Middlesex: 6818' MD
6832.00	51.430	149.970	6131.96	1035.88	-160.55	2724.97	1640925.47	14265455.16	39°17'3.5310"N	80°59'53.5267"W	2729.69	93.372	8.59	7.20	6.04	
6926.00	57.660	155.550	6186.49	1111.58	-228.62	2759.84	1640960.34	14265387.13	39°17'2.8583"N	80°59'53.0831"W	2769.30	94.735	8.20	6.63	5.94	
7001.00†	64.080	159.526	6222.99	1176.92	-289.14	2784.79	1640985.27	14265326.63	39°17'2.2601"N	80°59'52.7659"W	2799.76	95.928	9.73	8.56	5.30	Burkett: 7001' MD
7021.00	65.810	160.510	6231.46	1195.03	-306.16	2790.98	1640991.46	14265309.61	39°17'2.0918"N	80°59'52.6872"W	2807.72	96.260	9.73	8.65	4.92	
7063.00†	69.211	161.552	6247.53	1233.83	-342.86	2803.59	1641004.06	14265272.93	39°17'1.7291"N	80°59'52.5269"W	2824.47	96.972	8.42	8.10	2.48	Tully: 7063' MD
7093.00†	71.644	162.268	6257.57	1262.09	-369.72	2812.36	1641012.83	14265246.07	39°17'1.4636"N	80°59'52.4153"W	2836.56	97.489	8.42	8.11	2.39	Marcellus POE: 7093' MD
7115.00	73.430	162.780	6264.18	1283.07	-389.74	2818.66	1641019.13	14265226.07	39°17'1.2657"N	80°59'52.3351"W	2845.48	97.872	8.42	8.12	2.33	
7209.00	82.220	162.480	6283.98	1374.83	-477.35	2846.07	1641046.53	14265138.49	39°17'0.3998"N	80°59'51.9866"W	2885.83	99.521	9.36	9.35	-0.32	
7304.00	87.750	161.600	6292.28	1469.42	-567.34	2875.24	1641075.69	14265048.54	39°16'59.5104"N	80°59'51.6156"W	2930.68	101.162	5.89	5.82	-0.93	
7399.00	89.850	162.170	6294.27	1564.38	-657.60	2904.77	1641105.21	14264958.31	39°16'58.6182"N	80°59'51.2401"W	2978.28	102.756	2.29	2.21	0.60	
7493.00	89.850	160.650	6294.52	1658.38	-746.70	2934.74	1641135.16	14264869.25	39°16'57.7376"N	80°59'50.8591"W	3028.24	104.275	1.62	0.00	-1.62	
7587.00	89.940	160.540	6294.69	1752.38	-835.36	2965.97	1641166.38	14264780.63	39°16'56.8613"N	80°59'50.4619"W	3081.36	105.730	0.15	0.10	-0.12	

RECEIVED
Office of Oil and Gas
MAR 13 2025
Environmental Protection
WV Department of



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 5 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
7682.00	90.000	160.720	6294.74	1847.37	-924.98	2997.48	1641197.87	14264691.04	39°16'55.9755"N	80°59'50.0613"W	3136.95	107.149	0.20	0.06	0.19	
7776.00	90.030	160.850	6294.72	1941.37	-1013.74	3028.42	1641228.80	14264602.32	39°16'55.0982"N	80°59'49.6679"W	3193.58	108.508	0.14	0.03	0.14	
7870.00	89.480	161.330	6295.12	2035.37	-1102.67	3058.88	1641259.25	14264513.43	39°16'54.2193"N	80°59'49.2805"W	3251.56	109.823	0.78	-0.59	0.51	
7965.00	89.570	161.000	6295.91	2130.37	-1192.58	3089.55	1641289.91	14264423.55	39°16'53.3306"N	80°59'48.8905"W	3311.73	111.107	0.36	0.09	-0.35	
8059.00	89.380	160.190	6296.77	2224.38	-1281.23	3120.78	1641321.12	14264334.93	39°16'52.4544"N	80°59'48.4934"W	3373.55	112.321	0.89	-0.20	-0.86	
8154.00	89.450	160.520	6297.74	2319.35	-1370.70	3152.71	1641353.05	14264245.50	39°16'51.5701"N	80°59'48.0873"W	3437.79	113.498	0.36	0.07	0.35	
8248.00	89.170	160.910	6298.87	2413.34	-1459.42	3183.76	1641384.08	14264156.82	39°16'50.6932"N	80°59'47.6926"W	3502.31	114.626	0.51	-0.30	0.41	
8342.00	89.110	160.100	6300.28	2507.32	-1548.02	3215.12	1641415.43	14264068.25	39°16'49.8175"N	80°59'47.2938"W	3568.39	115.710	0.86	-0.06	-0.86	
8437.00	89.170	159.910	6301.71	2602.29	-1637.28	3247.60	1641447.90	14263979.03	39°16'48.9352"N	80°59'46.8808"W	3636.98	116.755	0.21	0.06	-0.20	
8531.00	89.200	160.430	6303.04	2696.27	-1726.70	3279.49	1641479.77	14263890.65	39°16'48.0613"N	80°59'46.4753"W	3705.82	117.754	0.55	0.03	0.55	
8626.00	89.170	160.480	6304.39	2791.26	-1815.21	3311.27	1641511.54	14263801.16	39°16'47.1766"N	80°59'46.0713"W	3776.17	118.731	0.06	-0.03	0.05	
8721.00	89.170	160.450	6305.77	2886.24	-1904.74	3343.03	1641543.29	14263711.68	39°16'46.2917"N	80°59'45.6674"W	3847.58	119.673	0.03	0.00	-0.03	
8815.00	89.850	159.270	6306.57	2980.22	-1992.98	3375.39	1641575.64	14263623.47	39°16'45.4195"N	80°59'45.2559"W	3919.86	120.560	1.45	0.72	-1.26	
8909.00	89.510	156.520	6307.10	3074.06	-2080.06	3410.76	1641610.99	14263536.42	39°16'44.5588"N	80°59'44.8062"W	3994.99	121.377	2.95	-0.36	-2.93	
9004.00	89.820	159.990	6307.65	3168.93	-2168.29	3445.95	1641646.17	14263448.23	39°16'43.6868"N	80°59'44.3587"W	4071.37	122.179	3.87	0.33	3.65	
9099.00	89.750	160.140	6308.01	3263.91	-2257.60	3478.34	1641678.54	14263358.96	39°16'42.8041"N	80°59'43.9469"W	4146.76	122.985	0.17	-0.07	0.16	
9193.00	89.850	160.670	6308.34	3357.91	-2346.15	3509.87	1641710.06	14263270.44	39°16'41.9288"N	80°59'43.5461"W	4221.80	123.761	0.57	0.11	0.56	
9287.00	89.750	160.540	6308.67	3451.90	-2434.82	3541.08	1641741.26	14263181.81	39°16'41.0525"N	80°59'43.1492"W	4297.39	124.512	0.17	-0.11	-0.14	
9382.00	89.780	160.350	6309.06	3546.90	-2524.34	3572.88	1641773.04	14263092.33	39°16'40.1677"N	80°59'42.7449"W	4374.67	125.242	0.20	0.03	-0.20	
9476.00	89.780	160.490	6309.42	3640.89	-2612.90	3604.38	1641804.53	14263003.80	39°16'39.2923"N	80°59'42.3444"W	4451.83	125.939	0.15	0.00	0.15	
9571.00	89.850	160.820	6309.72	3735.89	-2702.54	3635.85	1641835.99	14262914.20	39°16'38.4063"N	80°59'41.9443"W	4530.24	126.624	0.36	0.07	0.35	
9665.00	89.820	160.540	6310.00	3829.88	-2791.24	3666.95	1641867.07	14262825.53	39°16'37.5296"N	80°59'41.5489"W	4608.42	127.278	0.30	-0.03	-0.30	
9759.00	89.750	160.510	6310.35	3923.88	-2879.86	3698.29	1641898.40	14262736.94	39°16'36.6537"N	80°59'41.1504"W	4687.32	127.908	0.08	-0.07	-0.03	
9854.00	89.910	160.670	6310.63	4018.88	-2969.46	3729.86	1641929.96	14262647.38	39°16'35.7681"N	80°59'40.7490"W	4767.55	128.524	0.24	0.17	0.17	
9948.00	89.690	160.510	6310.96	4112.87	-3058.12	3761.10	1641961.18	14262558.76	39°16'34.8918"N	80°59'40.3519"W	4847.47	129.114	0.29	-0.23	-0.17	
10042.00	89.780	160.090	6311.39	4206.86	-3146.62	3792.78	1641992.86	14262470.30	39°16'34.0171"N	80°59'39.9490"W	4928.12	129.680	0.46	0.10	-0.45	
10137.00	89.880	160.640	6311.67	4301.85	-3236.09	3824.71	1642024.77	14262380.86	39°16'33.1327"N	80°59'39.5432"W	5010.06	130.235	0.59	0.11	0.58	
10232.00	89.880	160.540	6311.87	4396.85	-3325.69	3856.28	1642056.33	14262291.29	39°16'32.2471"N	80°59'39.1418"W	5092.26	130.775	0.11	0.00	-0.11	
10326.00	89.970	161.170	6312.00	4490.85	-3414.49	3887.10	1642087.14	14262202.53	39°16'31.3694"N	80°59'38.7498"W	5173.81	131.297	0.68	0.10	0.67	
10420.00	89.880	158.050	6312.12	4584.81	-3502.59	3919.85	1642119.87	14262114.47	39°16'30.4986"N	80°59'38.3335"W	5256.75	131.782	3.32	-0.10	-3.32	

Office of Oil and Gas
MAR
ENVIRONMENTAL
WV Dept
10/1



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 6 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
10515.00	89.420	159.900	6312.70	4679.74	-3591.26	3953.93	1642153.94	14262025.83	39°16'29.6222"N	80°59'37.9002"W	5341.42	132.248	2.01	-0.48	1.95	
10609.00	89.540	160.440	6313.55	4773.72	-3679.68	3985.82	1642185.82	14261937.44	39°16'28.7482"N	80°59'37.4948"W	5424.65	132.713	0.59	0.13	0.57	
10704.00	89.540	160.530	6314.32	4868.71	-3769.22	4017.55	1642217.54	14261847.94	39°16'27.8632"N	80°59'37.0914"W	5508.88	133.173	0.09	0.00	0.09	
10798.00	89.570	160.200	6315.05	4962.70	-3857.76	4049.14	1642249.11	14261759.45	39°16'26.9882"N	80°59'36.6898"W	5592.66	133.613	0.35	0.03	-0.35	
10893.00	89.750	161.930	6315.61	5057.70	-3947.61	4079.96	1642279.92	14261689.63	39°16'26.1001"N	80°59'36.2980"W	5677.12	134.055	1.83	0.19	1.82	
10987.00	89.780	159.550	6316.00	5151.69	-4036.34	4110.97	1642310.91	14261580.93	39°16'25.2230"N	80°59'35.9038"W	5761.26	134.475	2.53	0.03	-2.53	
11082.00	89.750	160.950	6316.39	5246.68	-4125.75	4143.07	1642343.00	14261491.56	39°16'24.3393"N	80°59'35.4957"W	5846.95	134.880	1.47	-0.03	1.47	
11176.00	90.090	160.350	6316.52	5340.67	-4214.44	4174.21	1642374.14	14261402.90	39°16'23.4627"N	80°59'35.0998"W	5931.74	135.275	0.73	0.36	-0.64	
11271.00	89.820	161.260	6316.59	5435.67	-4304.16	4205.45	1642405.36	14261313.22	39°16'22.5760"N	80°59'34.7027"W	6017.60	135.665	1.00	-0.28	0.96	
11365.00	91.320	162.080	6315.66	5529.66	-4393.38	4235.01	1642434.90	14261224.04	39°16'21.6941"N	80°59'34.3269"W	6102.22	136.052	1.82	1.60	0.87	
11460.00	91.140	162.960	6313.62	5624.60	-4483.97	4263.54	1642463.42	14261133.48	39°16'20.7987"N	80°59'33.9642"W	6187.39	136.444	0.95	-0.19	0.93	
11554.00	90.000	161.630	6312.68	5718.57	-4573.51	4292.12	1642491.99	14261043.98	39°16'19.9137"N	80°59'33.6009"W	6272.10	136.818	1.86	-1.21	-1.41	
11649.00	90.430	161.500	6312.33	5813.57	-4663.64	4322.16	1642522.02	14260953.89	39°16'19.0229"N	80°59'33.2190"W	6358.50	137.176	0.47	0.45	-0.14	
11743.00	90.430	161.500	6311.62	5907.56	-4752.78	4351.99	1642551.84	14260864.79	39°16'18.1418"N	80°59'32.8398"W	6444.27	137.521	0.00	0.00	0.00	
11836.00	90.400	162.480	6310.95	6000.55	-4841.21	4380.74	1642580.58	14260776.38	39°16'17.2677"N	80°59'32.4743"W	6529.03	137.859	1.05	-0.03	1.05	
11931.00	90.620	162.370	6310.10	6095.52	-4931.78	4409.42	1642609.25	14260685.86	39°16'16.3725"N	80°59'32.1097"W	6615.55	138.201	0.26	0.23	-0.12	
12025.00	90.000	162.550	6309.59	6189.49	-5021.40	4437.75	1642637.57	14260596.26	39°16'15.4867"N	80°59'31.7496"W	6701.35	138.531	0.69	-0.66	0.19	
12119.00	91.380	163.480	6308.46	6283.42	-5111.29	4465.21	1642665.01	14260506.41	39°16'14.5982"N	80°59'31.4006"W	6787.00	138.860	1.77	1.47	0.99	
12214.00	89.970	162.440	6307.34	6378.36	-5202.11	4493.05	1642692.84	14260415.63	39°16'13.7005"N	80°59'31.0468"W	6873.82	139.183	1.84	-1.48	-1.09	
12308.00	89.940	162.210	6307.41	6472.34	-5291.68	4521.59	1642721.37	14260326.10	39°16'12.8153"N	80°59'30.6840"W	6960.36	139.487	0.25	-0.03	-0.24	
12403.00	90.000	162.560	6307.46	6567.31	-5382.22	4550.33	1642750.11	14260235.59	39°16'11.9203"N	80°59'30.3185"W	7047.97	139.788	0.37	0.06	0.37	
12497.00	89.880	162.490	6307.56	6661.28	-5471.88	4578.56	1642778.32	14260145.97	39°16'11.0341"N	80°59'29.9597"W	7134.76	140.079	0.15	-0.13	-0.07	
12592.00	89.910	162.100	6307.74	6756.26	-5562.38	4607.45	1642807.20	14260055.50	39°16'10.1396"N	80°59'29.5925"W	7222.79	140.364	0.41	0.03	-0.41	
12686.00	89.910	162.320	6307.88	6850.24	-5651.89	4636.17	1642835.91	14259966.03	39°16'9.2549"N	80°59'29.2274"W	7310.13	140.638	0.23	0.00	0.23	
12780.00	89.940	162.390	6308.01	6944.22	-5741.47	4664.67	1642864.39	14259876.49	39°16'8.3695"N	80°59'28.8653"W	7397.54	140.908	0.08	0.03	0.07	
12875.00	89.420	162.230	6308.54	7039.20	-5831.97	4693.53	1642893.25	14259786.02	39°16'7.4750"N	80°59'28.4983"W	7486.06	141.173	0.57	-0.55	-0.17	
12970.00	89.380	162.510	6309.53	7134.17	-5922.51	4722.30	1642922.00	14259695.52	39°16'6.5801"N	80°59'28.1326"W	7574.71	141.433	0.30	-0.04	0.29	
13064.00	89.380	162.570	6310.55	7228.13	-6012.17	4750.51	1642950.20	14259605.90	39°16'5.6939"N	80°59'27.7742"W	7662.47	141.686	0.06	0.00	0.06	
13159.00	89.450	162.350	6311.52	7323.10	-6102.75	4779.13	1642978.81	14259515.36	39°16'4.7986"N	80°59'27.4103"W	7751.36	141.935	0.24	0.07	-0.23	
13253.00	89.080	162.060	6312.73	7417.07	-6192.24	4807.86	1643007.53	14259425.90	39°16'3.9140"N	80°59'27.0452"W	7839.60	142.173	0.50	-0.39	-0.31	

Office RECEIVED
and L
177
M
W L
Environ



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 7 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
13347.00	89.170	162.410	6314.16	7511.04	-6281.75	4836.54	1643036.19	14259336.42	39°16'3.0293"N	80°59'26.6807"W	7927.95	142.406	0.38	0.10	0.37	
13441.00	89.080	162.620	6315.60	7605.00	-6371.40	4864.78	1643064.42	14259246.81	39°16'2.1433"N	80°59'26.3217"W	8016.28	142.637	0.24	-0.10	0.22	
13536.00	89.720	162.490	6316.59	7699.96	-6462.02	4893.25	1643092.89	14259156.23	39°16'1.2475"N	80°59'25.9598"W	8105.66	142.866	0.69	0.67	-0.14	
13630.00	90.890	162.880	6316.09	7793.92	-6551.76	4921.23	1643120.85	14259066.53	39°16'0.3606"N	80°59'25.6042"W	8194.15	143.089	1.31	1.24	0.41	
13725.00	90.400	161.800	6315.02	7888.89	-6642.27	4950.05	1643149.66	14258976.05	39°15'59.4659"N	80°59'25.2379"W	8283.89	143.305	1.25	-0.52	-1.14	
13819.00	89.910	161.590	6314.77	7982.88	-6731.52	4979.57	1643179.17	14258886.84	39°15'58.5838"N	80°59'24.8627"W	8373.14	143.508	0.57	-0.52	-0.22	
13914.00	90.060	160.790	6314.79	8077.88	-6821.44	5010.20	1643209.79	14258796.95	39°15'57.6950"N	80°59'24.4733"W	8463.70	143.704	0.86	0.16	-0.84	
14008.00	90.060	160.620	6314.69	8171.88	-6910.16	5041.26	1643240.84	14258708.27	39°15'56.8181"N	80°59'24.0786"W	8553.63	143.888	0.18	0.00	-0.18	
14102.00	90.060	161.030	6314.60	8265.88	-6998.95	5072.14	1643271.70	14258619.52	39°15'55.9405"N	80°59'23.6861"W	8643.60	144.069	0.44	0.00	0.44	
14196.00	90.060	160.910	6314.50	8359.88	-7087.81	5102.79	1643302.33	14258530.69	39°15'55.0622"N	80°59'23.2966"W	8733.58	144.248	0.13	0.00	-0.13	
14290.00	90.150	161.550	6314.32	8453.88	-7176.81	5133.03	1643332.57	14258441.72	39°15'54.1825"N	80°59'22.9122"W	8823.53	144.427	0.69	0.10	0.68	
14385.00	90.250	161.260	6313.99	8548.88	-7266.85	5163.33	1643362.85	14258351.72	39°15'53.2925"N	80°59'22.5271"W	8914.43	144.605	0.32	0.11	-0.31	
14479.00	89.850	161.130	6313.91	8642.88	-7355.83	5193.63	1643393.14	14258262.77	39°15'52.4130"N	80°59'22.1420"W	9004.56	144.776	0.45	-0.43	-0.14	
14574.00	89.970	161.680	6314.06	8737.87	-7445.87	5223.92	1643423.42	14258172.77	39°15'51.5230"N	80°59'21.7570"W	9095.62	144.947	0.59	0.13	0.58	
14668.00	89.970	161.470	6314.11	8831.87	-7535.05	5253.63	1643453.12	14258083.63	39°15'50.6415"N	80°59'21.3794"W	9185.73	145.115	0.22	0.00	-0.22	
14762.00	89.940	161.490	6314.18	8925.87	-7624.19	5283.49	1643482.96	14257994.53	39°15'49.7605"N	80°59'21.0000"W	9275.96	145.278	0.04	-0.03	0.02	
14857.00	89.910	160.920	6314.31	9020.87	-7714.12	5314.09	1643513.56	14257904.63	39°15'48.8716"N	80°59'20.6110"W	9367.35	145.438	0.60	-0.03	-0.60	
14951.00	89.940	161.580	6314.43	9114.87	-7803.13	5344.31	1643543.76	14257815.66	39°15'47.9918"N	80°59'20.2269"W	9457.83	145.593	0.70	0.03	0.70	
15045.00	90.000	161.110	6314.48	9208.86	-7892.19	5374.38	1643573.82	14257726.63	39°15'47.1115"N	80°59'19.8448"W	9548.33	145.746	0.50	0.06	-0.50	
15140.00	90.000	161.360	6314.48	9303.86	-7982.14	5404.94	1643604.36	14257636.72	39°15'46.2224"N	80°59'19.4564"W	9638.91	145.897	0.26	0.00	0.26	
15234.00	89.880	161.350	6314.58	9397.86	-8071.21	5434.99	1643634.40	14257547.69	39°15'45.3421"N	80°59'19.0745"W	9730.55	146.044	0.13	-0.13	-0.01	
15328.00	89.910	161.560	6314.75	9491.86	-8160.33	5464.89	1643664.29	14257458.60	39°15'44.4612"N	80°59'18.6945"W	9821.20	146.190	0.23	0.03	0.22	
15422.00	89.910	161.250	6314.90	9585.86	-8249.42	5494.86	1643694.25	14257369.55	39°15'43.5806"N	80°59'18.3136"W	9911.93	146.333	0.33	0.00	-0.33	
15510.00	89.820	160.750	6315.34	9773.86	-8427.18	5556.07	1643755.43	14257191.86	39°15'41.8236"N	80°59'17.5358"W	10093.92	146.603	0.27	-0.05	-0.27	
15705.00	89.880	161.240	6315.59	9868.86	-8517.00	5587.00	1643786.36	14257102.08	39°15'40.9358"N	80°59'17.1426"W	10185.96	146.736	0.52	0.06	0.52	
15799.00	89.750	159.660	6315.89	9962.85	-8605.57	5618.46	1643817.80	14257013.53	39°15'40.0603"N	80°59'16.7429"W	10277.30	146.860	1.69	-0.14	-1.68	
15893.00	89.910	161.150	6316.17	10056.84	-8694.13	5649.98	1643849.31	14256925.02	39°15'39.1850"N	80°59'16.3422"W	10368.71	146.982	1.59	0.17	1.59	
15988.00	89.400	161.750	6315.92	10151.83	-8784.19	5680.20	1643879.52	14256834.99	39°15'38.2948"N	80°59'15.9582"W	10460.72	147.112	0.82	0.52	0.63	
16082.00	89.940	161.210	6315.64	10245.83	-8873.32	5710.06	1643909.37	14256745.89	39°15'37.4138"N	80°59'15.5787"W	10551.81	147.238	0.75	-0.49	-0.57	
16176.00	90.000	161.140	6315.69	10339.83	-8962.29	5740.39	1643939.68	14256656.96	39°15'36.5344"N	80°59'15.1933"W	10643.06	147.360	0.10	0.06	-0.07	

RECEIVED
Department of
Oil and Gas
13 2025
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'
Page 8 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWP
Slot	Slot E		

WELLPATH DATA (261 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
16271.00	89.820	161.190	6315.84	10434.83	-9052.21	5771.06	1643970.34	14256567.08	39°15'35.6457"N	80°59'14.8035"W	10735.34	147.481	0.20	-0.19	0.05	
16365.00	89.720	159.650	6316.21	10528.82	-9140.77	5802.56	1644001.83	14256478.56	39°15'34.7703"N	80°59'14.4032"W	10826.97	147.593	1.64	-0.11	-1.64	
16459.00	89.750	161.070	6316.65	10622.81	-9229.30	5834.16	1644033.41	14256390.06	39°15'33.8953"N	80°59'14.0017"W	10918.67	147.702	1.51	0.03	1.51	
16554.00	89.820	161.400	6317.00	10717.81	-9319.25	5864.72	1644063.96	14256300.15	39°15'33.0062"N	80°59'13.6134"W	11011.05	147.817	0.36	0.07	0.35	
16648.00	89.940	160.960	6317.20	10811.81	-9408.22	5895.04	1644094.27	14256211.21	39°15'32.1268"N	80°59'13.2280"W	11102.53	147.929	0.49	0.13	-0.47	
16742.00	90.030	161.050	6317.23	10905.81	-9497.10	5925.64	1644124.85	14256122.37	39°15'31.2482"N	80°59'12.8392"W	11194.11	148.038	0.14	0.10	0.10	
16836.00	90.180	160.800	6317.05	10999.81	-9585.94	5956.36	1644155.56	14256033.56	39°15'30.3701"N	80°59'12.4489"W	11285.76	148.145	0.31	0.16	-0.27	
16930.00	90.310	161.610	6316.65	11093.81	-9674.93	5986.64	1644185.83	14255944.61	39°15'29.4906"N	80°59'12.0640"W	11377.35	148.252	0.87	0.14	0.86	
17025.00	90.250	161.680	6316.19	11188.80	-9765.09	6016.56	1644215.74	14255854.48	39°15'28.5993"N	80°59'11.6839"W	11469.78	148.362	0.10	-0.06	0.07	
17119.00	90.250	159.890	6315.78	11282.79	-9853.85	6047.49	1644246.66	14255765.76	39°15'27.7220"N	80°59'11.2908"W	11561.80	148.462	1.90	0.00	-1.90	
17213.00	90.220	160.610	6315.39	11376.78	-9942.32	6079.25	1644278.41	14255677.33	39°15'26.8476"N	80°59'10.8871"W	11653.63	148.556	0.77	-0.03	0.77	
17308.00	90.180	160.670	6315.06	11471.78	-10031.95	6110.75	1644309.89	14255587.74	39°15'25.9617"N	80°59'10.4870"W	11746.54	148.653	0.08	-0.04	0.06	
17402.00	90.220	160.430	6314.73	11565.78	-10120.58	6142.05	1644341.18	14255499.14	39°15'25.0856"N	80°59'10.0892"W	11838.54	148.747	0.26	0.04	-0.26	
17497.00	90.250	160.210	6314.34	11660.77	-10210.03	6174.04	1644373.16	14255409.72	39°15'24.2014"N	80°59'9.6827"W	11931.62	148.839	0.23	0.03	-0.23	
17591.00	89.880	159.130	6314.23	11754.74	-10298.18	6206.70	1644405.80	14255321.61	39°15'23.3302"N	80°59'9.2677"W	12023.96	148.923	1.21	-0.39	-1.15	
17686.00	90.430	160.390	6313.98	11849.71	-10387.31	6239.56	1644438.65	14255232.52	39°15'22.4492"N	80°59'8.8501"W	12117.27	149.007	1.45	0.58	1.33	
17780.00	89.940	160.550	6313.67	11943.70	-10475.90	6270.99	1644470.06	14255143.96	39°15'21.5735"N	80°59'8.4508"W	12209.41	149.095	0.55	-0.52	0.17	
17874.00	89.940	160.400	6313.77	12037.70	-10564.49	6302.40	1644501.47	14255055.40	39°15'20.6978"N	80°59'8.0516"W	12301.58	149.181	0.16	0.00	-0.16	
17969.00	89.880	159.980	6313.92	12132.69	-10653.87	6334.60	1644533.65	14254966.06	39°15'19.8144"N	80°59'7.6425"W	12394.84	149.265	0.45	-0.06	-0.44	
18063.00	89.880	159.340	6314.12	12226.66	-10742.01	6367.27	1644566.31	14254877.96	39°15'18.9432"N	80°59'7.2273"W	12487.31	149.343	0.68	0.00	-0.68	
18158.00	89.850	160.010	6314.34	12321.63	-10831.09	6400.27	1644599.30	14254788.91	39°15'18.0626"N	80°59'6.8080"W	12580.78	149.420	0.71	-0.03	0.71	
18252.00	89.910	160.520	6314.54	12415.62	-10919.57	6432.01	1644631.02	14254700.47	39°15'17.1881"N	80°59'6.4047"W	12673.11	149.500	0.55	0.06	0.54	
18347.00	89.970	161.080	6314.64	12510.62	-11009.29	6463.25	1644662.25	14254610.79	39°15'16.3013"N	80°59'6.0078"W	12766.28	149.584	0.59	0.06	0.59	
18441.00	89.720	159.770	6314.89	12604.61	-11097.85	6494.74	1644693.73	14254522.26	39°15'15.4259"N	80°59'5.6076"W	12858.62	149.663	1.42	-0.27	-1.39	
18536.00	89.880	159.960	6315.23	12699.59	-11187.04	6527.45	1644726.42	14254433.10	39°15'14.5443"N	80°59'5.1921"W	12952.12	149.737	0.26	0.17	0.20	
18630.00	90.340	160.440	6315.04	12793.58	-11275.49	6559.29	1644758.25	14254344.70	39°15'13.6701"N	80°59'4.7875"W	13044.57	149.812	0.71	0.49	0.51	
18819.00	89.940	160.660	6314.58	12982.57	-11453.70	6622.22	1644821.16	14254166.55	39°15'11.9085"N	80°59'3.9879"W	13230.31	149.965	0.24	-0.21	0.12	
18913.00	89.910	160.950	6314.71	13076.57	-11542.47	6653.13	1644852.05	14254077.82	39°15'11.0311"N	80°59'3.5952"W	13322.64	150.041	0.31	-0.03	0.31	
19007.00	89.910	160.240	6314.85	13170.56	-11631.13	6684.36	1644883.27	14253989.19	39°15'10.1547"N	80°59'3.1984"W	13415.06	150.114	0.76	0.00	-0.76	
19102.00	89.910	160.350	6315.00	13265.55	-11720.57	6716.39	1644915.29	14253899.79	39°15'9.2707"N	80°59'2.7914"W	13508.58	150.185	0.12	0.00	0.12	

RECEIVED
Office Of Oil and Gas
MAR 13 2015
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 9 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
19196.00	89.780	160.360	6315.26	13359.54	-11809.10	6747.99	1644946.88	14253811.30	39°15'8.3956"N	80°59'2.3899"W	13601.11	150.255	0.14	-0.14	0.01	
19291.00	89.850	160.410	6315.56	13454.54	-11898.58	6779.88	1644978.76	14253721.85	39°15'7.5111"N	80°59'1.9847"W	13694.64	150.325	0.09	0.07	0.05	
19385.00	89.970	160.610	6315.71	13548.53	-11987.20	6811.24	1645010.11	14253633.27	39°15'6.6352"N	80°59'1.5862"W	13787.17	150.394	0.25	0.13	0.21	
19480.00	89.880	160.120	6315.84	13643.53	-12076.67	6843.17	1645042.02	14253543.83	39°15'5.7508"N	80°59'1.1807"W	13880.74	150.462	0.52	-0.09	-0.52	
19574.00	89.910	160.260	6316.01	13737.51	-12165.11	6875.02	1645073.86	14253455.43	39°15'4.8767"N	80°59'0.7759"W	13973.40	150.527	0.15	0.03	0.15	
19669.00	89.720	160.520	6316.31	13832.51	-12254.60	6906.91	1645105.73	14253365.98	39°15'3.9921"N	80°59'0.3708"W	14067.00	150.594	0.34	-0.20	0.27	
19762.00	89.780	161.300	6316.72	13925.50	-12342.48	6937.32	1645136.13	14253278.13	39°15'3.1234"N	80°58'59.9844"W	14158.51	150.661	0.84	0.06	0.84	
19857.00	89.850	160.190	6317.03	14020.50	-12432.17	6968.65	1645167.45	14253188.48	39°15'2.2370"N	80°58'59.5864"W	14252.05	150.728	1.17	0.07	-1.17	
19951.00	89.850	160.210	6317.27	14114.49	-12520.61	7000.49	1645199.28	14253100.07	39°15'1.3628"N	80°58'59.1819"W	14344.78	150.790	0.02	0.00	0.02	
20139.00	89.910	160.470	6317.67	14302.47	-12697.65	7063.74	1645262.50	14252923.10	39°14'59.6128"N	80°58'58.3783"W	14530.20	150.913	0.14	0.03	0.14	
20234.00	89.850	160.450	6317.87	14397.47	-12787.18	7095.52	1645294.26	14252833.61	39°14'58.7279"N	80°58'57.9746"W	14623.89	150.974	0.07	-0.06	-0.02	
20328.00	89.970	160.360	6318.01	14491.46	-12875.74	7127.04	1645325.78	14252745.09	39°14'57.8525"N	80°58'57.5741"W	14716.63	151.034	0.16	0.13	-0.10	
20423.00	89.820	159.980	6318.19	14586.45	-12965.10	7159.27	1645357.99	14252655.76	39°14'56.9692"N	80°58'57.1647"W	14810.43	151.093	0.43	-0.16	-0.40	
20517.00	89.880	160.480	6318.43	14680.44	-13053.56	7191.06	1645389.77	14252567.34	39°14'56.0948"N	80°58'56.7608"W	14903.25	151.150	0.54	0.06	0.53	
20611.00	90.150	160.560	6318.41	14774.43	-13142.18	7222.41	1645421.11	14252478.75	39°14'55.2189"N	80°58'56.3625"W	14996.00	151.209	0.30	0.29	0.09	
20706.00	90.060	160.290	6318.24	14869.43	-13231.69	7254.24	1645452.92	14252389.28	39°14'54.3341"N	80°58'55.9582"W	15089.78	151.266	0.30	-0.09	-0.28	
20801.00	90.120	160.170	6318.09	14964.42	-13321.09	7286.37	1645485.04	14252299.92	39°14'53.4504"N	80°58'55.5499"W	15183.63	151.322	0.14	0.06	-0.13	
20895.00	90.180	160.470	6317.84	15058.41	-13409.60	7318.03	1645516.69	14252211.44	39°14'52.5756"N	80°58'55.1478"W	15276.48	151.377	0.33	0.06	0.32	
20989.00	90.120	160.270	6317.59	15152.40	-13498.13	7349.61	1645548.25	14252122.94	39°14'51.7004"N	80°58'54.7466"W	15369.33	151.432	0.22	-0.06	-0.21	
21084.00	89.850	160.420	6317.82	15247.39	-13587.60	7381.56	1645580.19	14252033.51	39°14'50.8161"N	80°58'54.3407"W	15463.19	151.487	0.33	-0.28	0.16	
21273.00	89.750	160.330	6318.28	15436.38	-13765.62	7445.04	1645643.64	14251855.56	39°14'49.0565"N	80°58'53.5343"W	15649.95	151.594	0.07	-0.05	-0.05	
21368.00	89.540	161.280	6318.87	15531.38	-13855.34	7476.27	1645674.87	14251765.88	39°14'48.1697"N	80°58'53.1375"W	15743.73	151.649	1.02	-0.22	1.00	
21462.00	89.510	161.030	6319.65	15625.37	-13944.29	7506.63	1645705.21	14251676.96	39°14'47.2904"N	80°58'52.7518"W	15836.44	151.705	0.27	-0.03	-0.27	
21556.00	89.570	160.940	6320.40	15719.37	-14033.16	7537.26	1645735.83	14251586.13	39°14'46.4120"N	80°58'52.3628"W	15929.21	151.760	0.12	0.06	-0.10	
21651.00	89.910	161.960	6320.83	15814.36	-14123.22	7567.48	1645766.04	14251498.10	39°14'45.5218"N	80°58'51.9789"W	16022.86	151.817	1.13	0.36	1.07	
21745.00	89.630	161.020	6321.21	15908.36	-14212.36	7597.32	1645795.87	14251409.00	39°14'44.6407"N	80°58'51.5998"W	16115.53	151.873	1.04	-0.30	-1.00	
21840.00	89.780	161.490	6321.70	16003.36	-14302.32	7627.85	1645826.38	14251319.08	39°14'43.7515"N	80°58'51.2120"W	16209.27	151.928	0.52	0.16	0.49	
21934.00	89.510	161.040	6322.28	16097.36	-14391.34	7658.04	1645856.56	14251230.10	39°14'42.8716"N	80°58'50.8285"W	16302.03	151.981	0.56	-0.29	-0.48	
22028.00	89.600	161.280	6323.01	16191.35	-14480.30	7688.40	1645886.90	14251141.17	39°14'41.9923"N	80°58'50.4430"W	16394.83	152.034	0.27	0.10	0.26	
22123.00	89.660	161.430	6323.62	16286.35	-14570.31	7718.77	1645917.26	14251051.20	39°14'41.1025"N	80°58'50.0572"W	16488.68	152.087	0.17	0.06	0.16	

RECEIVED
Office Of Oil and Gas
MAR 13 2025
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 10 of 13



REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH DATA (261 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
22217.00	89.570	161.420	6324.26	16380.35	-14659.41	7748.71	1645947.19	14250962.13	39°14'40.2218"N	80°58'49.6768"W	16581.34	152.140	0.10	-0.10	-0.01	
22311.00	89.600	161.390	6324.94	16474.34	-14748.50	7778.68	1645977.16	14250873.08	39°14'39.3412"N	80°58'49.2961"W	16674.12	152.192	0.05	0.03	-0.03	
22406.00	89.690	161.440	6325.53	16569.34	-14838.55	7808.96	1646007.42	14250783.07	39°14'38.4512"N	80°58'48.9115"W	16767.89	152.244	0.11	0.09	0.05	
22500.00	89.630	161.280	6326.08	16663.33	-14927.61	7839.00	1646037.45	14250694.04	39°14'37.5708"N	80°58'48.5299"W	16860.71	152.294	0.18	-0.06	-0.17	
22595.00	90.030	161.130	6326.37	16758.33	-15017.55	7869.61	1646068.05	14250604.14	39°14'36.6818"N	80°58'48.1411"W	16954.57	152.344	0.45	0.42	-0.16	
22689.00	90.090	161.160	6326.27	16852.33	-15106.50	7899.99	1646098.41	14250515.22	39°14'35.8025"N	80°58'47.7553"W	17047.47	152.393	0.07	0.06	0.03	
22783.00	90.060	161.330	6326.14	16946.33	-15195.51	7930.21	1646128.62	14250426.25	39°14'34.9227"N	80°58'47.3714"W	17140.36	152.441	0.18	-0.03	0.18	
22878.00	90.490	161.670	6325.69	17041.33	-15285.60	7960.36	1646158.76	14250336.19	39°14'34.0322"N	80°58'46.9885"W	17234.18	152.491	0.58	0.45	0.36	
23067.00	90.340	161.340	6324.32	17230.32	-15464.83	8020.31	1646218.68	14250157.03	39°14'32.2606"N	80°58'46.2270"W	17420.86	152.588	0.19	-0.08	-0.17	
23162.00	90.340	161.140	6323.76	17325.32	-15554.79	8050.86	1646249.22	14250067.12	39°14'31.3714"N	80°58'45.8390"W	17514.79	152.635	0.21	0.00	-0.21	
23256.00	90.370	161.330	6323.17	17419.31	-15643.79	8081.10	1646279.45	14249978.15	39°14'30.4917"N	80°58'45.4549"W	17607.73	152.681	0.20	0.03	0.20	
23351.00	90.370	161.480	6322.56	17514.31	-15733.83	8111.39	1646309.73	14249888.15	39°14'29.6017"N	80°58'45.0702"W	17701.64	152.727	0.16	0.00	0.16	
23445.00	90.400	161.450	6321.93	17608.31	-15822.95	8141.27	1646339.60	14249799.06	39°14'28.7208"N	80°58'44.6906"W	17794.55	152.773	0.05	0.03	-0.03	
23539.00	90.340	161.260	6321.32	17702.30	-15912.01	8171.32	1646369.64	14249710.03	39°14'27.8404"N	80°58'44.3090"W	17887.50	152.818	0.21	-0.06	-0.20	
23634.00	90.370	161.480	6320.73	17797.30	-16002.03	8201.67	1646399.97	14249620.05	39°14'26.9506"N	80°58'43.9235"W	17981.45	152.863	0.23	0.03	0.23	
23728.00	90.220	161.100	6320.25	17891.30	-16091.06	8231.82	1646430.11	14249531.05	39°14'26.0706"N	80°58'43.5406"W	18074.44	152.907	0.43	-0.16	-0.40	
23823.00	90.120	160.990	6319.97	17986.30	-16180.91	8262.68	1646460.96	14249441.24	39°14'25.1824"N	80°58'43.1486"W	18168.48	152.949	0.16	-0.11	-0.12	
23917.00	90.060	161.060	6319.82	18080.30	-16269.80	8293.25	1646491.51	14249352.39	39°14'24.3038"N	80°58'42.7604"W	18261.56	152.991	0.10	-0.06	0.07	
24011.00	90.030	161.340	6319.74	18174.30	-16358.79	8323.54	1646521.79	14249263.44	39°14'23.4242"N	80°58'42.3757"W	18354.60	153.032	0.30	-0.03	0.30	
24096.00	90.150	161.120	6319.61	18259.30	-16439.27	8350.89	1646549.13	14249182.99	39°14'22.6287"N	80°58'42.0283"W	18438.73	153.070	0.29	0.14	-0.26	
24122.00‡	90.150	161.120	6319.54	18285.30	-16463.87	8359.30	1646557.54	14249158.40	39°14'22.3855"N	80°58'41.9215"W	18464.48	153.081	0.00	0.00	0.00	Projected MD at TD: 24122'

RECEIVED
Office of Oil and Gas
MAR 13 2011
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 11 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

HOLE & CASING SECTIONS - Ref Wellbore: Doll Unit 1H AWB Ref Wellpath: Doll Unit 1H AWP Proj: 24122'

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	0.09	-0.18
17.5in Open Hole	125.50	376.00	250.50	125.50	376.00	0.09	-0.18	0.72	-0.95
13.375in Casing Surface	25.50	355.80	330.30	25.50	355.80	0.00	0.00	0.69	-0.96
12.375in Open Hole	376.00	3339.00	2963.00	376.00	3082.38	0.72	-0.95	17.35	1122.85
9.625in Casing Intermediate	25.50	3309.00	3283.50	25.50	3055.34	0.00	0.00	17.33	1109.85
8.75in Open Hole	3339.00	6206.00	2867.00	3082.38	5627.90	17.35	1122.85	26.10	2439.56
8.5in Open Hole	6206.00	24122.00	17916.00	5627.90	6319.54	26.10	2439.56	-16463.87	8359.30
5.5in Casing Production	25.50	24102.00	24076.50	25.50	6319.60	0.00	0.00	-16444.95	8352.83

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Doll Unit 1H POE Rev-2	6261.00	-394.02	2827.18	1641027.64	14265221.79	39°17'1.2234"N	80°59'52.2269"W	point
Doll Unit 1H BHL Rev-2	6293.00	-16479.01	8344.27	1646542.52	14249143.26	39°14'22.2359"N	80°58'42.1125"W	point
Doll Unit 1H LP Rev-2	6293.00	-594.26	2895.86	1641096.29	14265021.63	39°16'59.2443"N	80°59'51.3535"W	point
Doll Unit 1H 50' L/R Hard Line	6500.00	-8436.52	5585.73	1643785.08	14257182.53	39°15'41.7313"N	80°59'17.1587"W	rectangle
2D Rectangle 17004.9 x 100.								

RECEIVED
Office Of Oil and Gas
MAR 13 2013
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 12 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

WELLPATH COMPOSITION - Ref Wellbore: Doll Unit 1H AWB Ref Wellpath: Doll Unit 1H AWP Proj: 24122'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	300.00	Gyrodatta 2015 - GC+WIR+DPIPE	02_Gyrodatta MS Gyro <17-1/2"> (100'-300')	Doll Unit 1H AWB	5/31/2024
300.00	645.00	Gyrodatta 2015 - GC+WIR+DPIPE	03_Gyrodatta MS Gyro <12-3/8"> (300')(400'-645')	Doll Unit 1H AWB	5/31/2024
645.00	3269.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04_APS EM <12-3/8"> (645')(679'-3269')	Doll Unit 1H AWB	5/29/2024
3269.00	6129.00	BH NaviTrak (2019) (Axial Corr+HRGM)	05_APS EM <8-3/4"> (3269')(3384'-6129')	Doll Unit 1H AWB	5/29/2024
6129.00	24122.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	06_BH Lucida <8-1/2"> (6129')(6170'-24096')	Doll Unit 1H AWB	5/29/2024

RECEIVED
Office Of Oil and Gas
MAR 13 2025
WV Department of
Environmental Protection



Actual Wellpath Report

Doll Unit 1H AWP Proj: 24122'

Page 13 of 13



REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Doll Unit 1H
Field	Ritchie	API	47-085-10516-0000
Facility	Olympus Pad	Wellbore	Doll Unit 1H AWB
Slot	Slot E		

COMMENTS

Wellpath general comments

API: 47-085-10516-0000

BH Job #: 112220021

Rig: H&P 317

Duration: 3/30/2024-4/7/2024

Gyrodata MS Gyro <17-1/2"> (100'-300')

Gyrodata MS Gyro <12-3/8"> (300')(400'-645')

APS EM <12-3/8"> (645')(679'-3269')

APS EM <8-3/4"> (3269')(3384'-6129')

BH Lucida <8-1/2"> (6129')(6170'-24096')

Sycamore: 6684' MD

Middlesex: 6818' MD

Burkett: 7001' MD

Tully: 7063' MD

Marcellus POE: 7093' MD

Projected MD at TD: 24122'

RECEIVED
Office Of Oil and Gas
MAR 13
WV Department of
Environmental Protection