



ANTERO RESOURCES CORPORATION



Location: Doddridge Co., WV
 Field: Doddridge
 Facility: Haught Pad

Slot: Slot A
 Well: Castlow Unit 1H
 Wellbore: Castlow Unit 1H PWB

Plot reference wellpath A Castlow Unit 1H PWP Rev-B 0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depth are referenced to H&P 317 (RKB)	North Reference: Grid Azim
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1215 ft	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot A) : 1134 feet	Depth are in feet
Offset wellpath MDs are referenced to each party's default MD datum	Created by: sbraynor on 2024-03-26, Database: WVA MPL EASTERNUS Data

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Haught Pad	1730640.660	14230353.820	39°11'14.8900"N	80°40'53.6300"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Longitude
Slot A	-0.43	-0.35	1730640.290	14230353.350	39°11'14.8857"N
Comment	Castlow Unit 1H				
H&P 317 (RKB) to Ground level (At Slot: Slot A)	25.5ft				
Mean Sea Level to Ground level (At Slot: Slot A)	-1154ft				
H&P 317 (RKB) to Mean Sea Level	1215.5ft				

Well Profile Data								
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS ("/100ft)	VS (ft)
Tie On	3403.00	17.710	287.390	3251.17	354.43	-810.21	1.13	-580.83
Proj. to Bottom	3480.00	17.710	287.390	3324.62	361.43	-841.58	0.00	-594.12
Drill Out	3560.00	17.710	287.390	3400.73	368.70	-864.78	0.00	-607.94
End of 3D Arc	3691.61	20.898	295.271	3525.02	384.62	-904.93	3.00	-635.02
Curve KOP	6565.07	20.898	295.271	6213.05	818.15	-1823.26	0.00	-1320.71
POE	7834.67	74.513	162.798	7178.00	200.50	-1850.88	7.00	-738.88
Landing Pt.	8025.68	89.800	162.798	7264.00	20.20	-1766.15	8.00	-550.14
BHL	23474.60	89.800	162.798	7257.83	-14737.39	2774.34	0.00	14898.70

Gyrodata MS Gyro <17-1/2"> (50'-274') : 0.14" Inc, 50.00ft MD, 50.00ft TVD, -0.02ft VS
 APS EM <12-1/4"> (274')(410'-3403') : 0.22" Inc, 410.00ft MD, 410.00ft TVD, -0.56ft VS

Well Data			
Slot	Well	Wellbore	Wellpath
Slot A	Castlow Unit 1H	Castlow Unit 1H AWB	Castlow Unit 1H AWP Proj. 23461'
Slot A	Castlow Unit 1H	Castlow Unit 1H PWB	Castlow Unit 1H PWP Rev-B 0

APS EM <8-3/4"> (3403')(3498'-7088') : 16.41" Inc, 3498.00ft MD, 3341.99ft TVD, -596.20ft VS

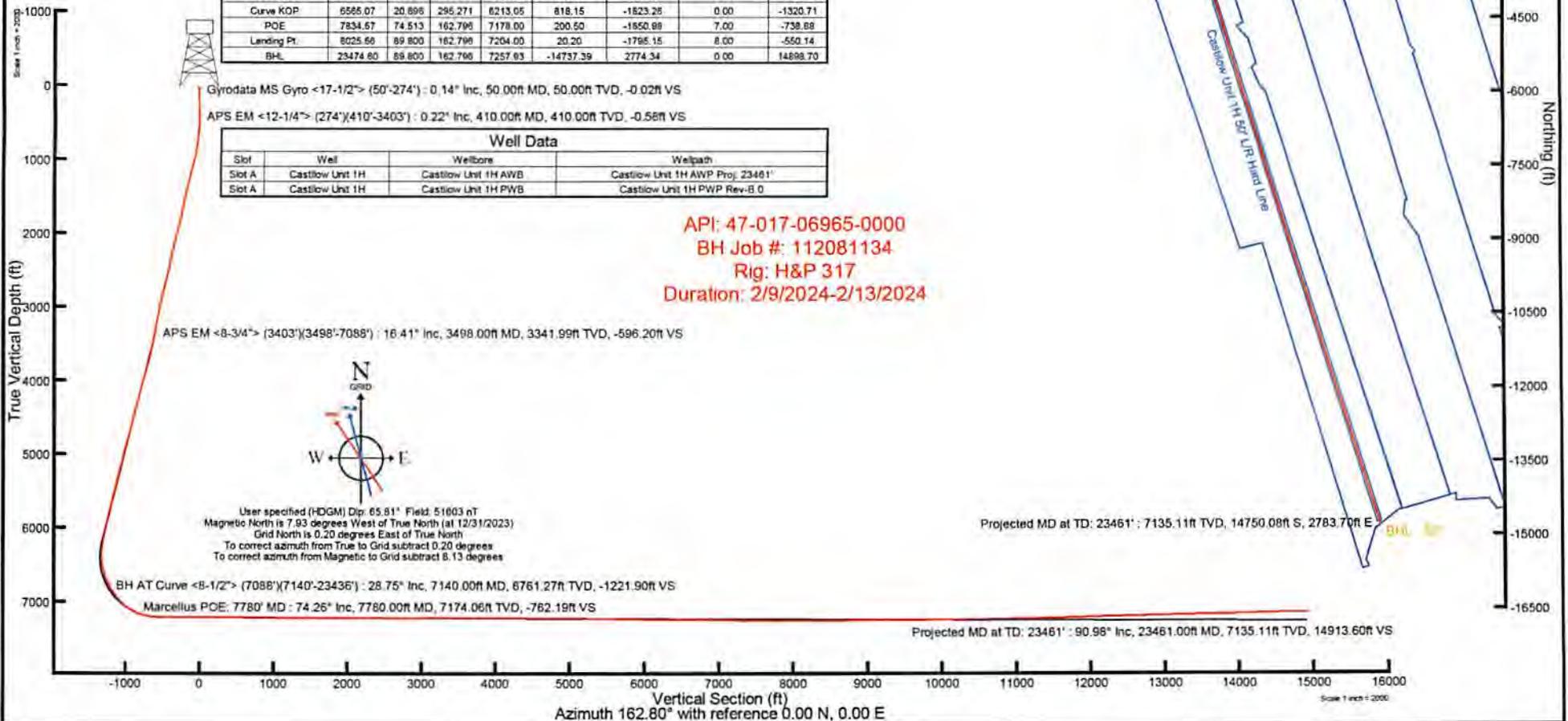


User specified (HDGM) Dip: 65.81° Field: 51603 nT
 Magnetic North is 7.93 degrees West of True North (at 12/31/2023)
 Grid North is 0.20 degrees East of True North
 To correct azimuth from True to Grid subtract 0.20 degrees
 To correct azimuth from Magnetic to Grid subtract 8.13 degrees

BH AT Curve <8-1/2"> (7088')(7140'-23436') : 28.75" Inc, 7140.00ft MD, 6761.27ft TVD, -1221.90ft VS

Marcellus POE: 7780' MD : 74.26" Inc, 7780.00ft MD, 7174.06ft TVD, -762.19ft VS

Projected MD at TD: 23461' : 90.98" Inc, 23461.00ft MD, 7135.11ft TVD, 14913.60ft VS



API: 47-017-06965-0000
 BH Job #: 112081134
 Rig: H&P 317
 Duration: 2/9/2024-2/13/2024



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

REPORT SETUP INFORMATION			
Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999609	Report Generated	2/26/2024 at 5:01:39 PM
Convergence at slot	0.20° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.43	-0.38	1730640.28	14230353.39	39°11'14.8857"N	80°40'53.6948"W
Facility Reference Pt			1730640.66	14230353.82	39°11'14.8900"N	80°40'53.6900"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	1219.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1219.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot A)	25.50ft
MD Reference Pt	H&P 317 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	162.80°



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Castilow Unit 1H
Field	Doddridge		API	47-017-06965-0000
Facility	Haught Pad		Wellbore	Castilow Unit 1H AWP
Slot	Slot A			

WELLPATH DATA (259 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	301.540	0.00	0.00	0.00	0.00	1730640.20	14230353.39	39°11'14.8857"N	80°40'53.6948"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	301.540	25.50	0.00	0.00	0.00	1730640.20	14230353.39	39°11'14.8857"N	80°40'53.6948"W	0.00	0.000	0.00	0.00	0.00	
50.00	0.140	301.540	50.00	-0.02	0.02	-0.03	1730640.25	14230353.41	39°11'14.8859"N	80°40'53.6951"W	0.03	301.540	0.57	0.57	0.00	Gyrodatta MS Gyro <17-1/2"> (50'-274')
100.00	0.150	261.720	100.00	-0.08	0.04	-0.14	1730640.14	14230353.43	39°11'14.8861"N	80°40'53.6966"W	0.15	285.017	0.20	0.02	-79.64	
150.00	0.340	278.900	150.00	-0.15	0.05	-0.35	1730639.93	14230353.44	39°11'14.8862"N	80°40'53.6993"W	0.38	278.318	0.40	0.38	34.36	
200.00	0.290	235.950	200.00	-0.18	0.00	-0.61	1730639.68	14230353.39	39°11'14.8858"N	80°40'53.7025"W	0.61	270.361	0.47	-0.10	-85.90	
250.00	0.130	305.370	250.00	-0.19	-0.03	-0.76	1730639.52	14230353.36	39°11'14.8854"N	80°40'53.7044"W	0.76	267.410	0.55	-0.32	138.64	
274.00	0.130	318.380	274.00	-0.24	0.00	-0.80	1730639.48	14230353.39	39°11'14.8858"N	80°40'53.7049"W	0.80	270.138	0.12	0.00	54.21	
410.00	0.220	302.730	410.00	-0.58	0.26	-1.12	1730639.16	14230353.65	39°11'14.8883"N	80°40'53.7090"W	1.15	283.009	0.07	0.07	-11.51	APS EM <12-1/4"> (274')(410'-3403')
495.00	1.240	331.620	497.99	-1.64	1.19	-1.71	1730638.57	14230354.58	39°11'14.8975"W	80°40'53.7165"W	2.08	304.727	1.20	1.16	32.83	
589.00	3.660	313.410	588.90	-5.14	4.05	-4.29	1730635.99	14230357.44	39°11'14.9259"N	80°40'53.7491"W	5.90	313.342	2.76	2.66	-20.01	
679.00	6.220	308.300	678.56	-11.66	9.05	-10.21	1730630.08	14230362.43	39°11'14.9755"N	80°40'53.8240"W	13.64	311.556	2.86	2.84	-5.68	
769.00	8.690	304.620	767.79	-21.02	15.93	-19.63	1730620.66	14230369.32	39°11'15.0439"N	80°40'53.9434"W	25.28	309.066	2.79	2.74	-4.09	
860.00	11.210	303.610	857.42	-33.29	24.74	-32.65	1730607.84	14230378.12	39°11'15.1313"N	80°40'54.1084"W	40.97	307.144	2.78	2.77	-1.11	
950.00	14.450	303.420	945.16	-48.75	35.77	-49.32	1730590.98	14230389.14	39°11'15.2405"N	80°40'54.3196"W	60.92	305.950	3.60	3.60	-0.21	
1041.00	17.040	302.590	1032.74	-67.71	49.20	-70.03	1730570.28	14230402.57	39°11'15.3745"N	80°40'54.5820"W	85.59	305.091	2.86	2.85	-0.91	
1136.00	20.160	298.130	1122.77	-89.99	64.42	-96.20	1730544.11	14230417.79	39°11'15.5258"N	80°40'54.9137"W	115.78	303.808	3.61	3.28	-4.89	
1231.00	20.100	294.930	1211.97	-112.58	79.02	-125.44	1730514.66	14230432.38	39°11'15.6711"N	80°40'55.2844"W	148.26	302.209	1.16	-0.06	-3.37	
1325.00	19.470	292.920	1300.42	-133.51	91.93	-154.52	1730485.82	14230445.29	39°11'15.7997"N	80°40'55.6531"W	179.80	300.751	0.99	-0.67	-2.14	
1420.00	20.410	291.160	1389.72	-154.00	104.08	-184.65	1730465.80	14230457.43	39°11'15.9208"N	80°40'56.0340"W	211.88	299.421	1.17	0.99	-1.85	
1514.00	21.930	290.900	1477.38	-175.00	116.26	-216.24	1730424.13	14230469.60	39°11'16.0423"N	80°40'56.4359"W	245.51	298.284	1.62	1.62	-0.28	
1609.00	21.240	288.600	1565.72	-196.01	128.07	-249.12	1730391.26	14230481.41	39°11'16.1602"N	80°40'56.8530"W	280.12	297.208	1.15	-0.73	-2.42	
1703.00	20.320	284.230	1653.61	-214.49	137.52	-281.08	1730359.31	14230490.85	39°11'16.2547"N	80°40'57.2584"W	312.92	296.070	1.92	-0.98	-4.65	
1798.00	20.140	288.150	1742.75	-232.55	146.67	-312.61	1730327.79	14230500.00	39°11'16.3462"N	80°40'57.6585"W	345.31	295.134	1.44	-0.19	4.13	
1892.00	20.360	292.600	1830.94	-252.39	158.00	-343.10	1730297.31	14230511.33	39°11'16.4593"N	80°40'58.0452"W	377.74	294.726	1.68	0.26	4.73	
1986.00	20.880	297.340	1918.92	-274.62	171.96	-373.10	1730267.33	14230525.31	39°11'16.5985"N	80°40'58.4255"W	410.83	294.746	1.85	0.53	5.04	
2081.00	20.950	296.740	2007.66	-296.28	187.40	-403.30	1730237.14	14230540.72	39°11'16.7519"N	80°40'58.8084"W	444.72	294.923	0.24	0.07	-0.63	
2175.00	20.600	295.090	2095.55	-321.07	201.98	-433.29	1730207.16	14230555.29	39°11'16.8970"N	80°40'59.1886"W	478.05	294.992	0.73	-0.37	-1.76	
2270.00	19.840	294.110	2184.69	-342.96	215.65	-463.14	1730177.32	14230568.95	39°11'17.0332"N	80°40'59.5671"W	510.88	294.958	0.88	-0.60	-1.03	
2364.00	19.830	292.400	2273.17	-363.55	228.18	-492.30	1730148.18	14230581.48	39°11'17.1581"N	80°40'59.9369"W	542.61	294.868	0.65	-0.22	-1.82	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (259 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
2459.00	19.840	291.870	2362.59	-383.86	240.27	-522.01	1730118.47	14230593.56	39°11'17.2785"N	80°41'0.3137"W	574.65	294.715	0.29	0.22	-0.56	
2553.00	20.080	291.060	2450.94	-403.93	252.01	-551.87	1730088.62	14230605.30	39°11'17.3956"N	80°41'0.6924"W	606.69	294.543	0.39	0.26	-0.86	
2648.00	19.790	289.430	2540.25	-423.62	263.22	-582.26	1730058.25	14230616.50	39°11'17.5075"N	80°41'1.0778"W	638.99	294.326	0.66	-0.31	-1.72	
2742.00	20.690	293.220	2628.45	-443.80	275.06	-612.53	1730027.99	14230628.34	39°11'17.6255"N	80°41'1.4617"W	671.45	294.183	1.69	0.96	4.03	
2837.00	20.590	293.000	2717.35	-465.55	286.20	-643.33	1729997.20	14230641.48	39°11'17.7565"N	80°41'1.8523"W	704.90	294.132	0.13	-0.11	-0.23	
2931.00	20.300	291.390	2805.43	-486.39	300.61	-673.73	1729966.82	14230653.88	39°11'17.8802"N	80°41'2.2378"W	737.75	294.046	0.67	-0.31	-1.71	
3026.00	19.890	289.990	2894.65	-506.44	312.14	-704.26	1729936.30	14230665.41	39°11'17.9952"N	80°41'2.6251"W	770.33	293.904	0.67	-0.43	-1.47	
3120.00	19.530	291.600	2983.14	-525.95	323.39	-733.89	1729906.68	14230676.66	39°11'18.1075"N	80°41'3.0009"W	801.99	293.781	0.69	-0.38	1.71	
3214.00	19.010	290.750	3071.88	-545.21	334.60	-762.82	1729877.76	14230687.86	39°11'18.2192"N	80°41'3.3678"W	832.98	293.684	0.63	-0.55	-0.90	
3309.00	18.520	288.610	3161.83	-563.76	345.15	-791.50	1729849.09	14230698.40	39°11'18.3245"N	80°41'3.7316"W	863.48	293.560	0.64	-0.52	-1.20	
3403.00	17.710	287.390	3251.17	-580.83	354.43	-819.21	1729821.39	14230707.68	39°11'18.4172"N	80°41'4.0831"W	892.59	293.396	1.13	-0.86	-2.38	
3498.00	16.410	285.110	3341.99	-596.20	362.25	-845.95	1729794.66	14230715.50	39°11'18.4953"N	80°41'4.4224"W	920.25	293.181	1.54	-1.37	-2.40	APS EM <8-3/4"> (3403')(3498'-7088')
3593.00	17.440	286.810	3432.87	-611.34	369.86	-872.54	1729768.09	14230723.11	39°11'18.5715"N	80°41'4.7597"W	947.69	292.972	1.20	1.08	1.79	
3687.00	19.730	291.910	3521.97	-629.23	379.86	-900.75	1729739.89	14230733.10	39°11'18.6713"N	80°41'5.1175"W	977.57	292.866	2.99	2.44	5.43	
3782.00	19.640	291.550	3611.42	-649.34	391.71	-930.47	1729710.17	14230744.94	39°11'18.7894"N	80°41'5.4945"W	1009.56	292.830	0.16	-0.09	-0.38	
3876.00	20.300	293.620	3699.77	-669.89	404.04	-960.11	1729680.55	14230757.27	39°11'18.9124"N	80°41'5.8703"W	1041.66	292.823	1.03	0.70	2.20	
3970.00	21.720	298.440	3787.52	-692.98	418.86	-990.35	1729650.32	14230772.09	39°11'19.0599"N	80°41'6.2537"W	1075.28	292.926	2.38	1.51	5.13	
4065.00	21.910	297.740	3875.72	-718.07	435.48	-1021.49	1729619.19	14230786.70	39°11'19.2252"N	80°41'6.6485"W	1110.44	293.090	0.34	0.20	-0.74	
4160.00	22.390	297.700	3963.71	-743.36	452.14	-1053.20	1729587.50	14230805.36	39°11'19.3910"N	80°41'7.0505"W	1146.15	293.234	0.51	0.51	-0.04	
4255.00	22.120	297.270	4051.63	-768.66	468.75	-1085.12	1729555.59	14230821.96	39°11'19.5562"N	80°41'7.4551"W	1182.03	293.363	0.33	-0.28	-0.45	
4349.00	21.200	294.600	4138.99	-792.39	483.93	-1116.30	1729524.42	14230837.13	39°11'19.7074"N	80°41'7.8505"W	1216.68	293.438	1.43	-0.98	-2.84	
4444.00	21.130	294.310	4227.59	-815.19	498.13	-1147.52	1729493.21	14230851.33	39°11'19.8485"N	80°41'8.2464"W	1250.98	293.465	0.13	-0.07	-0.31	
4538.00	20.710	297.310	4315.39	-838.07	512.74	-1177.73	1729463.01	14230865.92	39°11'19.9941"N	80°41'8.6295"W	1284.51	293.526	1.22	-0.45	3.19	
4633.00	20.600	299.620	4404.29	-862.03	528.70	-1207.19	1729433.57	14230881.89	39°11'20.1530"N	80°41'9.0028"W	1317.89	293.652	0.87	-0.12	2.43	
4727.00	19.610	298.340	4492.56	-885.35	544.38	-1235.45	1729405.32	14230897.54	39°11'20.3087"N	80°41'9.3611"W	1350.06	293.779	1.15	-1.05	-1.36	
4821.00	20.130	297.040	4580.96	-907.89	559.21	-1263.74	1729377.04	14230912.38	39°11'20.4564"N	80°41'9.7197"W	1381.94	293.869	0.73	0.55	-1.38	
4916.00	20.620	297.850	4670.02	-931.14	574.45	-1293.09	1729347.70	14230927.62	39°11'20.6081"N	80°41'10.0918"W	1414.95	293.953	0.60	0.52	0.85	
5010.00	20.860	299.280	4757.93	-954.99	590.37	-1322.32	1729318.48	14230943.53	39°11'20.7664"N	80°41'10.4624"W	1448.13	294.059	0.60	0.26	1.52	
5105.00	21.710	299.600	4846.45	-980.06	607.32	-1352.35	1729288.46	14230960.47	39°11'20.9350"N	80°41'10.8430"W	1482.46	294.184	0.90	0.89	0.34	
5199.00	20.760	296.130	4934.06	-1004.18	623.25	-1382.44	1729258.38	14230976.40	39°11'21.0935"N	80°41'11.2245"W	1516.44	294.268	1.66	-0.99	-3.69	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (259 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
5293.00	20.460	295.310	5022.04	-1026.72	637.62	-1412.27	1728228.57	14230990.76	39°11'21.2365"N	80°41'11.6026"W	1549.53	294.299	0.46	-0.34	-0.87	
5388.00	20.050	296.320	5111.16	-1049.16	651.94	-1441.87	1729198.97	14231005.07	39°11'21.3790"N	80°41'11.9780"W	1582.41	294.330	0.57	-0.43	1.06	
5483.00	20.440	294.990	5200.30	-1071.51	666.17	-1471.50	1729169.35	14231019.30	39°11'21.5207"N	80°41'12.3537"W	1615.27	294.357	0.63	0.41	-1.40	
5577.00	20.920	294.510	5288.24	-1093.70	680.08	-1501.65	1729139.22	14231033.19	39°11'21.6591"N	80°41'12.7360"W	1648.47	294.365	0.54	0.51	-0.51	
5672.00	21.340	294.140	5376.85	-1116.40	694.17	-1532.86	1729108.02	14231047.29	39°11'21.7995"N	80°41'13.1317"W	1682.71	294.364	0.46	0.44	-0.33	
5766.00	22.700	292.320	5463.99	-1139.24	708.05	-1565.25	1729075.65	14231061.17	39°11'21.9379"N	80°41'13.5424"W	1717.95	294.340	1.62	1.45	-1.94	
5863.00	20.950	289.850	5554.04	-1161.60	721.05	-1598.87	1729042.03	14231074.16	39°11'22.0675"N	80°41'13.9689"W	1753.94	294.274	2.04	-1.80	-2.55	
5958.00	18.530	286.420	5643.45	-1180.20	731.09	-1629.33	1729011.59	14231084.19	39°11'22.1677"N	80°41'14.3553"W	1785.84	294.166	2.82	-2.55	-3.61	
6052.00	18.870	287.340	5732.49	-1197.09	739.84	-1658.17	1728982.76	14231092.94	39°11'22.2552"N	80°41'14.7212"W	1815.74	294.045	0.48	0.36	0.98	
6146.00	20.100	292.620	5821.11	-1216.05	750.58	-1687.60	1728953.35	14231103.68	39°11'22.3624"N	80°41'15.0944"W	1846.99	293.978	2.28	1.31	5.62	
6241.00	20.140	298.370	5910.32	-1238.19	764.64	-1717.06	1728923.90	14231117.73	39°11'22.5023"N	80°41'15.4680"W	1879.61	294.004	2.08	0.04	6.05	
6336.00	17.590	297.800	6000.21	-1260.02	779.10	-1744.15	1728896.81	14231132.19	39°11'22.6462"N	80°41'15.8114"W	1910.25	294.070	2.69	-2.68	-0.60	
6430.00	16.460	298.470	6090.09	-1279.59	792.08	-1768.42	1728872.55	14231145.16	39°11'22.7753"N	80°41'16.1191"W	1937.71	294.128	1.22	-1.20	0.71	
6525.00	16.790	298.060	6181.12	-1298.96	804.95	-1792.36	1728848.62	14231158.02	39°11'22.9033"N	80°41'16.4226"W	1964.82	294.185	0.37	0.35	-0.43	
6619.00	16.140	277.440	6271.34	-1314.07	813.03	-1817.32	1728823.67	14231166.10	39°11'22.9840"N	80°41'16.7392"W	1990.90	294.103	6.22	-0.69	-21.94	
6714.00	15.080	248.140	6362.98	-1318.58	810.14	-1841.92	1728799.08	14231163.21	39°11'22.9583"N	80°41'17.0518"W	2012.21	293.741	8.29	-1.12	-30.84	
6808.00	16.390	231.230	6453.50	-1312.70	797.27	-1863.62	1728777.39	14231150.35	39°11'22.8298"N	80°41'17.3280"W	2027.00	293.162	5.05	1.39	-17.99	
6902.00	19.260	213.060	6543.05	-1297.90	775.95	-1882.44	1728758.58	14231129.04	39°11'22.6198"N	80°41'17.5679"W	2036.09	292.402	6.62	3.05	-19.33	
6997.00	22.520	201.860	6631.83	-1273.75	745.92	-1897.77	1728743.25	14231099.02	39°11'22.3234"N	80°41'17.7640"W	2039.10	291.457	5.41	3.43	-11.77	
7088.00	25.490	191.790	6714.99	-1243.07	710.58	-1908.28	1728732.75	14231063.67	39°11'21.9743"N	80°41'17.8989"W	2036.27	290.423	5.56	3.26	-11.09	
7129.00†	28.049	188.234	6751.59	-1226.65	692.38	-1911.46	1728729.57	14231045.49	39°11'21.7947"N	80°41'17.9401"W	2032.99	289.912	7.36	6.24	-8.67	Sycamore: 7129' MD
7140.00	28.750	187.380	6761.27	-1221.90	687.19	-1912.17	1728728.86	14231040.31	39°11'21.7435"N	80°41'17.9494"W	2031.90	289.767	7.36	6.37	-7.76	BH AT Curve <8-1/2"> (7088') 7140'-23436'
7218.00	32.810	179.970	6828.29	-1184.63	647.43	-1914.57	1728726.46	14231000.56	39°11'21.3505"N	80°41'17.9816"W	2021.07	288.683	7.11	5.21	-9.50	
7303.00	36.160	176.910	6898.35	-1138.29	599.34	-1913.21	1728727.82	14230952.49	39°11'20.8752"N	80°41'17.9664"W	2004.89	287.394	4.44	3.94	-3.60	
7316.00†	36.881	176.142	6908.30	-1130.77	591.82	-1912.74	1728728.29	14230944.77	39°11'20.7989"N	80°41'17.9607"W	2002.14	287.167	6.57	5.55	-5.91	Middlesex: 7316' MD
7350.00	38.790	174.250	6935.65	-1110.40	570.84	-1910.98	1728730.05	14230924.00	39°11'20.5934"N	80°41'17.9394"W	1994.42	286.632	6.57	5.61	-5.56	
7397.00	42.200	172.270	6971.39	-1080.39	540.54	-1907.38	1728733.64	14230893.72	39°11'20.2938"N	80°41'17.8950"W	1982.50	285.822	7.75	7.26	-4.21	
7491.00	48.970	168.010	7037.15	-1013.85	474.48	-1895.76	1728745.27	14230827.68	39°11'19.6405"N	80°41'17.7502"W	1954.23	284.052	7.89	7.20	-4.53	
7509.00†	50.745	167.420	7048.75	-1000.14	461.04	-1892.83	1728748.20	14230814.25	39°11'19.5075"N	80°41'17.7136"W	1946.17	283.689	10.17	9.66	-3.28	Birkett: 7509' MD
7538.00	53.610	166.530	7066.53	-977.30	438.72	-1897.66	1726753.58	14230791.94	39°11'19.2666"N	80°41'17.6490"W	1937.97	283.084	10.17	9.88	-3.07	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (259 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
7571.00	55.954	166.391	7085.56	-950.40	412.51	-1881.35	1728759.67	14230785.74	39°11'19.0276"N	80°41'17.5699"W	1926.04	282.367	7.11	7.10	-0.42	Tully: 7571' MD
7586.00	57.020	166.330	7093.85	-937.91	400.36	-1878.40	1728762.62	14230753.59	39°11'18.9073"N	80°41'17.5330"W	1920.59	282.032	7.11	7.10	-0.41	
7681.00	65.100	164.010	7139.78	-854.92	320.08	-1857.08	1728783.93	14230673.35	39°11'18.1132"N	80°41'17.2657"W	1884.46	279.779	8.77	8.51	-2.44	
7775.00	73.880	164.450	7172.69	-766.99	235.44	-1833.18	1728807.82	14230588.73	39°11'17.2757"N	80°41'16.9659"W	1848.24	277.318	9.35	9.34	0.47	
7780.00	74.262	164.492	7174.06	-762.19	230.80	-1831.90	1728809.10	14230584.10	39°11'17.2299"N	80°41'16.9435"W	1848.38	277.181	7.68	7.64	0.83	Marcellus POE- 7780' MD
7870.00	81.140	165.220	7193.22	-674.36	145.97	-1808.94	1728832.05	14230499.31	39°11'16.3906"N	80°41'16.6620"W	1814.82	274.613	7.68	7.64	0.81	
7964.00	89.380	166.720	7200.98	-580.91	55.17	-1786.26	1728854.72	14230408.54	39°11'15.4924"N	80°41'16.3779"W	1787.11	271.769	8.91	8.77	1.60	
8059.00	89.140	161.610	7202.21	-485.98	-36.19	-1760.35	1728880.62	14230317.22	39°11'14.5885"N	80°41'16.0528"W	1760.72	268.822	5.38	-0.29	-5.38	
8153.00	89.880	162.070	7203.01	-392.00	-125.50	-1731.05	1728909.91	14230227.94	39°11'13.7048"N	80°41'15.6847"W	1735.60	265.853	0.93	0.79	0.49	
8245.00	90.180	162.110	7202.96	-300.00	-213.04	-1702.76	1728938.19	14230140.43	39°11'12.8386"N	80°41'15.3292"W	1716.04	262.888	0.33	0.33	0.04	
8342.00	89.780	163.010	7203.00	-203.01	-305.58	-1673.69	1728967.25	14230047.93	39°11'11.9229"N	80°41'14.9641"W	1701.36	259.653	1.02	-0.41	0.93	
8437.00	90.000	163.050	7203.18	-108.01	-396.45	-1645.96	1728994.96	14229957.10	39°11'11.0239"N	80°41'14.6159"W	1693.03	256.458	0.24	0.23	0.04	
8531.00	89.350	163.220	7203.71	-14.01	-486.40	-1618.69	1729022.22	14229867.18	39°11'10.1339"N	80°41'14.2735"W	1690.19	253.275	0.71	-0.69	0.18	
8626.00	89.750	163.060	7204.46	80.98	-577.32	-1591.14	1729049.76	14229776.30	39°11'9.2344"N	80°41'13.9276"W	1692.64	250.058	0.45	0.42	-0.17	
8720.00	89.850	163.230	7204.79	174.98	-667.28	-1563.89	1729077.01	14229686.37	39°11'8.3443"N	80°41'13.5854"W	1700.29	246.893	0.21	0.11	0.18	
8815.00	89.420	162.670	7205.39	269.98	-758.10	-1536.03	1729104.85	14229595.59	39°11'7.4456"N	80°41'13.2356"W	1712.92	243.732	0.74	-0.49	-0.59	
8909.00	90.220	162.510	7205.69	363.98	-847.79	-1507.91	1729132.97	14229505.93	39°11'6.5582"N	80°41'12.8824"W	1729.89	240.654	0.87	0.88	-0.17	
9004.00	90.520	162.820	7205.07	458.98	-938.48	-1479.60	1729161.26	14229415.28	39°11'5.6609"N	80°41'12.5269"W	1752.13	237.614	0.45	0.32	0.33	
9098.00	89.170	163.170	7205.33	552.97	-1028.36	-1452.11	1729188.74	14229325.43	39°11'4.7715"N	80°41'12.1817"W	1779.37	234.694	1.48	-1.44	0.37	
9193.00	89.910	162.320	7206.09	647.97	-1119.08	-1423.93	1729216.91	14229234.75	39°11'3.8739"N	80°41'11.8279"W	1811.06	231.636	1.19	0.78	-0.88	
9287.00	89.910	163.750	7206.24	741.96	-1208.99	-1396.51	1729244.32	14229144.87	39°11'2.9843"N	80°41'11.4835"W	1847.13	229.116	1.52	0.00	1.52	
9382.00	89.380	162.350	7206.83	836.96	-1299.86	-1368.61	1729272.01	14229054.04	39°11'2.0853"N	80°41'11.1358"W	1887.66	226.450	1.58	-0.56	-1.47	
9478.00	89.850	162.750	7207.46	930.96	-1389.53	-1340.62	1729300.18	14228964.41	39°11'1.1980"N	80°41'10.7818"W	1930.62	223.974	0.66	0.50	0.43	
9570.00	89.570	162.820	7207.93	1024.95	-1479.27	-1312.65	1729328.15	14228874.70	39°11'0.3101"N	80°41'10.4304"W	1977.70	221.565	0.33	-0.30	-0.14	
9665.00	90.180	163.190	7208.14	1119.85	-1570.07	-1284.72	1729358.08	14228783.94	39°10'59.4117"N	80°41'10.0796"W	2028.70	219.292	0.68	0.64	0.60	
9769.00	88.830	161.420	7208.95	1213.94	-1659.61	-1256.15	1729384.82	14228694.43	39°10'58.5256"N	80°41'9.7209"W	2081.40	217.122	2.37	-1.44	-1.88	
9854.00	90.120	163.330	7209.82	1308.93	-1750.15	-1227.39	1729413.37	14228603.93	39°10'57.6299"N	80°41'9.3597"W	2137.84	215.042	2.43	1.38	2.01	
10042.00	89.350	162.800	7210.69	1496.92	-1929.89	-1172.63	1729468.11	14228424.18	39°10'55.8504"N	80°41'8.6722"W	2258.30	211.282	0.50	-0.41	-0.28	
10137.00	89.780	162.900	7211.41	1591.92	-2020.76	-1144.62	1729496.11	14228333.42	39°10'54.9523"N	80°41'8.3204"W	2322.42	209.528	0.46	0.45	0.11	
10231.00	89.820	162.450	7211.74	1685.92	-2110.50	-1116.83	1729524.09	14228243.72	39°10'54.0644"N	80°41'7.9689"W	2387.69	207.883	0.48	0.04	-0.48	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWP
Slot	Slot A		

WELLPATH DATA (259 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 (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
10325.00	89.450	162.710	7212.34	1779.91	-2200.18	-1088.49	1729552.22	14228154.07	39°10'53.1770"N	80°41'7.6155"W	2454.71	206.323	0.48	-0.38	0.28	
10420.00	89.910	162.670	7212.87	1874.91	-2290.88	-1060.22	1729580.48	14228063.41	39°10'52.2796"N	80°41'7.2606"W	2524.32	204.835	0.49	0.48	-0.04	
10514.00	89.910	162.410	7213.02	1968.91	-2380.55	-1032.02	1729608.67	14227973.78	39°10'51.3924"N	80°41'6.9064"W	2594.62	203.438	0.28	0.00	-0.28	
10609.00	90.180	162.760	7212.94	2063.91	-2471.19	-1003.58	1729637.09	14227883.17	39°10'50.4955"N	80°41'6.5493"W	2667.20	202.103	0.47	0.28	0.37	
10703.00	89.690	162.650	7213.05	2157.91	-2560.92	-975.56	1729665.10	14227793.48	39°10'49.6077"N	80°41'6.1974"W	2740.44	200.854	0.57	-0.52	-0.22	
10798.00	89.720	162.460	7213.54	2252.91	-2651.52	-947.00	1729693.65	14227702.91	39°10'48.7112"N	80°41'5.8387"W	2815.56	199.654	0.10	0.03	-0.09	
10892.00	89.450	162.790	7214.22	2346.90	-2741.23	-918.93	1729721.71	14227613.24	39°10'47.8235"N	80°41'5.4882"W	2891.16	198.532	0.45	-0.28	0.35	
10987.00	89.820	162.200	7214.83	2441.90	-2831.83	-890.36	1729750.27	14227522.67	39°10'46.9271"N	80°41'5.1274"W	2968.50	197.454	0.73	0.39	-0.62	
11081.00	89.720	162.880	7215.20	2535.90	-2921.50	-862.15	1729778.46	14227433.04	39°10'46.0399"N	80°41'4.7732"W	3046.06	196.442	0.73	-0.11	0.72	
11176.00	90.310	163.390	7215.18	2630.89	-3012.41	-834.59	1729806.01	14227342.16	39°10'45.1403"N	80°41'4.4272"W	3125.89	195.485	0.82	0.62	0.54	
11270.00	89.910	161.670	7215.00	2724.89	-3102.07	-806.38	1729834.22	14227252.54	39°10'44.2532"N	80°41'4.0729"W	3205.17	194.571	1.89	-0.43	-1.63	
11365.00	90.090	162.090	7215.00	2819.88	-3192.38	-778.83	1729863.78	14227162.28	39°10'43.3598"N	80°41'3.7017"W	3285.52	193.677	0.48	0.19	0.44	
11459.00	89.940	162.890	7214.97	2913.67	-3282.00	-748.55	1729892.03	14227072.68	39°10'42.4726"N	80°41'3.3485"W	3366.28	192.848	0.87	-0.16	0.85	
11554.00	90.180	163.470	7214.87	3008.67	-3372.94	-721.08	1729919.50	14226981.78	39°10'41.5730"N	80°41'3.0014"W	3449.15	192.067	0.66	0.25	0.61	
11649.00	91.910	161.960	7213.14	3103.85	-3463.83	-692.84	1729947.71	14226891.12	39°10'40.6757"N	80°41'2.6471"W	3532.24	191.312	2.42	1.82	-1.59	
11743.00	90.220	161.570	7211.39	3197.81	-3552.89	-663.43	1729977.11	14226801.90	39°10'39.7925"N	80°41'2.2776"W	3614.30	190.577	1.85	-1.80	-0.41	
11838.00	89.600	162.530	7211.54	3292.81	-3643.26	-634.15	1730006.38	14226711.56	39°10'38.8982"N	80°41'1.9099"W	3698.04	189.874	1.20	-0.65	1.01	
11933.00	90.650	162.770	7211.34	3387.80	-3733.94	-605.82	1730034.69	14226620.92	39°10'38.0010"N	80°41'1.5541"W	3782.77	189.216	1.13	1.11	0.25	
12027.00	90.620	163.760	7210.30	3481.79	-3823.95	-578.76	1730061.75	14226530.94	39°10'37.1104"N	80°41'1.2145"W	3867.50	188.606	1.05	-0.03	1.05	
12122.00	89.690	163.520	7210.04	3576.78	-3915.10	-552.00	1730088.50	14226439.83	39°10'36.2085"N	80°41'0.8787"W	3953.82	188.025	1.01	-0.98	0.25	
12216.00	90.770	163.880	7209.66	3670.77	-4005.32	-525.62	1730114.87	14226349.64	39°10'35.3159"N	80°41'0.5477"W	4039.68	187.476	1.21	1.15	0.38	
12311.00	89.140	163.890	7209.74	3765.75	-4096.54	-499.09	1730141.38	14226258.46	39°10'34.4134"N	80°41'0.2149"W	4126.83	186.946	1.73	-1.72	-0.20	
12405.00	89.630	163.150	7210.74	3859.74	-4186.83	-472.27	1730168.20	14226168.41	39°10'33.5221"N	80°40'59.8783"W	4213.18	186.436	0.78	0.52	-0.57	
12499.00	89.510	163.530	7211.45	3953.73	-4278.68	-445.32	1730195.13	14226078.39	39°10'32.6311"N	80°40'59.5401"W	4299.80	185.945	0.42	-0.13	0.40	
12593.00	88.800	162.330	7212.84	4047.72	-4366.52	-417.73	1730222.71	14225988.58	39°10'31.7421"N	80°40'59.1938"W	4386.46	185.485	1.48	-0.76	-1.26	
12688.00	91.910	165.400	7212.25	4142.68	-4457.76	-391.34	1730249.09	14225897.38	39°10'30.8395"N	80°40'58.8627"W	4474.90	185.017	4.60	3.27	3.23	
12783.00	89.350	163.260	7211.20	4237.62	-4549.21	-365.68	1730274.74	14225806.97	39°10'29.9347"N	80°40'58.5410"W	4563.88	184.596	3.51	-2.69	-2.25	
12877.00	88.830	163.800	7212.70	4331.60	-4639.34	-339.04	1730301.38	14225715.87	39°10'29.0429"N	80°40'58.2067"W	4651.71	184.180	0.80	-0.55	0.57	
12971.00	88.980	163.730	7214.49	4425.57	-4729.57	-312.76	1730327.64	14225625.67	39°10'28.1502"N	80°40'57.8770"W	4739.90	183.783	0.18	0.16	-0.07	
13066.00	89.720	163.610	7215.57	4520.56	-4820.74	-286.05	1730354.34	14225534.55	39°10'27.2482"N	80°40'57.5419"W	4829.21	183.396	0.79	0.78	-0.13	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (259 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
13161.00	88.580	162.890	7216.98	4615.54	-4911.69	-258.68	1730381.70	14225443.63	39°10'26.3483"N	80°40'57.1984"W	4918.50	183.015	1.42	-1.20	-0.76	
13255.00	89.750	162.970	7218.35	4709.53	-5001.54	-231.09	1730409.28	14225353.81	39°10'25.4593"N	80°40'56.8520"W	5006.88	182.645	1.25	1.24	0.09	
13350.00	90.120	163.930	7218.46	4804.52	-5092.60	-204.03	1730436.33	14225262.79	39°10'24.5583"N	80°40'56.5125"W	5096.69	182.294	1.08	0.39	1.01	
13444.00	89.660	163.460	7218.64	4898.51	-5182.82	-177.64	1730462.71	14225172.60	39°10'23.6656"N	80°40'56.1814"W	5185.87	181.963	0.70	-0.49	-0.50	
13539.00	90.150	163.680	7218.79	4993.50	-5273.94	-150.77	1730489.57	14225081.52	39°10'22.7841"N	80°40'55.8443"W	5276.10	181.637	0.57	0.52	0.23	
13633.00	88.980	163.540	7219.51	5087.49	-5364.12	-124.24	1730516.08	14224991.38	39°10'21.8719"N	80°40'55.5115"W	5365.56	181.327	1.25	-1.24	-0.15	
13728.00	89.630	163.700	7220.66	5182.47	-5455.28	-97.46	1730542.86	14224900.28	39°10'20.9702"N	80°40'55.1754"W	5456.13	181.023	0.70	0.68	0.17	
13822.00	88.980	163.680	7221.80	5276.45	-5545.47	-71.06	1730569.25	14224810.10	39°10'20.0776"N	80°40'54.8443"W	5545.92	180.734	0.69	-0.69	-0.02	
13916.00	89.540	163.760	7223.01	5370.43	-5635.69	-44.71	1730595.59	14224719.91	39°10'19.1850"N	80°40'54.5138"W	5635.87	180.455	0.60	0.60	0.09	
14010.00	88.800	163.550	7224.38	5464.41	-5725.88	-18.26	1730622.03	14224629.78	39°10'18.2928"N	80°40'54.1819"W	5725.91	180.183	0.82	-0.79	-0.22	
14105.00	88.340	163.290	7226.75	5559.37	-5816.90	8.84	1730649.12	14224538.77	39°10'17.3920"N	80°40'53.8419"W	5816.91	179.913	0.56	-0.48	-0.27	
14199.00	88.610	163.520	7229.25	5653.33	-5906.95	35.68	1730675.94	14224448.76	39°10'16.5010"N	80°40'53.5052"W	5907.06	179.654	0.38	0.29	0.24	
14294.00	88.830	163.650	7231.37	5748.30	-5996.06	62.52	1730702.77	14224357.69	39°10'15.5996"N	80°40'53.1684"W	5996.38	179.403	0.27	0.23	0.14	
14388.00	89.380	163.670	7232.84	5842.28	-6088.25	88.96	1730729.20	14224267.53	39°10'14.7073"N	80°40'52.8367"W	6088.90	179.163	0.59	0.59	0.02	
14483.00	88.950	163.390	7234.22	5937.26	-6179.34	115.89	1730756.12	14224176.47	39°10'13.8080"N	80°40'52.4988"W	6180.43	178.926	0.54	0.45	-0.29	
14577.00	89.200	163.170	7235.74	6031.25	-6269.36	142.93	1730783.15	14224086.50	39°10'12.9154"N	80°40'52.1595"W	6270.99	178.694	0.35	0.27	-0.23	
14672.00	89.410	163.300	7236.89	6128.24	-6360.31	170.33	1730810.54	14223995.58	39°10'12.0154"N	80°40'51.8157"W	6362.59	178.466	0.26	0.22	0.14	
14766.00	90.620	163.860	7236.87	6220.23	-6450.48	196.90	1730837.10	14223905.45	39°10'11.1233"N	80°40'51.4824"W	6453.48	178.252	1.42	1.29	0.60	
14861.00	89.420	163.400	7236.84	6315.21	-6541.62	223.67	1730863.87	14223814.34	39°10'10.2215"N	80°40'51.1465"W	6545.45	178.042	1.35	-1.26	-0.48	
14955.00	89.720	163.800	7237.54	6409.20	-6631.82	250.14	1730890.32	14223724.18	39°10'9.3291"N	80°40'50.8145"W	6636.53	177.840	0.62	0.32	0.53	
15049.00	89.350	163.810	7238.30	6503.18	-6722.11	276.27	1730916.44	14223633.92	39°10'8.4358"N	80°40'50.4867"W	6727.78	177.647	0.41	-0.39	-0.10	
15144.00	88.920	161.670	7239.74	6598.16	-6812.81	304.46	1730944.62	14223543.25	39°10'7.5383"N	80°40'50.1330"W	6819.61	177.441	2.30	-0.45	-2.25	
15238.00	90.220	164.290	7240.44	6692.15	-6902.69	331.97	1730972.12	14223453.42	39°10'6.6491"N	80°40'49.7877"W	6910.66	177.247	3.11	1.38	2.79	
15333.00	89.570	164.170	7240.62	6787.12	-6994.11	357.78	1730997.92	14223362.03	39°10'5.7445"N	80°40'49.4640"W	7003.25	177.072	0.70	-0.68	-0.13	
15427.00	89.090	161.730	7241.73	6881.11	-7083.96	385.34	1731025.47	14223272.21	39°10'4.8555"N	80°40'49.1181"W	7094.44	176.866	2.65	-0.52	-2.60	
15521.00	88.030	162.370	7244.10	6975.07	-7173.36	414.30	1731054.42	14223182.85	39°10'3.9709"N	80°40'48.7544"W	7185.31	176.695	1.31	-1.12	0.68	
15616.00	90.000	162.200	7245.73	7070.04	-7263.84	443.20	1731083.31	14223092.41	39°10'3.0756"N	80°40'48.3915"W	7277.34	176.508	2.08	2.07	-0.18	
15711.00	88.710	161.940	7246.80	7165.03	-7354.21	472.45	1731112.54	14223002.06	39°10'2.1813"N	80°40'48.0243"W	7369.37	176.324	1.39	-1.36	-0.27	
15805.00	89.750	162.740	7248.06	7259.01	-7443.77	500.96	1731141.04	14222912.54	39°10'1.2951"N	80°40'47.6663"W	7460.61	176.150	1.40	1.11	0.85	
15900.00	88.770	162.180	7249.29	7354.00	-7534.35	529.59	1731169.86	14222822.00	39°10'0.3989"N	80°40'47.3089"W	7552.94	175.979	1.19	-1.03	-0.58	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haight Pad	Wellbore	Castilow Unit 1H AWP
Slot	Slot A		

WELLPATH DATA (259 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 [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [ft/100ft]	Comments
15994.00	90.090	162.470	7250.22	7447.99	-7823.90	558.12	1731198.19	14222732.48	39°09'59.5127"N	80°40'46.9486"W	7644.31	175.813	1.44	1.40	0.31	
16089.00	89.850	162.820	7250.27	7542.99	-7714.58	586.46	1731226.51	14222641.84	39°09'58.6155"N	80°40'46.5929"W	7736.84	175.653	0.45	-0.25	0.37	
16184.00	90.090	162.840	7250.32	7637.99	-7805.35	614.51	1731254.55	14222551.11	39°09'57.7174"N	80°40'46.2409"W	7829.50	175.498	0.25	0.25	0.02	
16278.00	89.420	162.430	7250.73	7731.99	-7895.06	642.56	1731282.59	14222461.43	39°09'56.8297"N	80°40'45.8887"W	7921.17	175.347	0.84	-0.71	-0.44	
16373.00	89.410	162.300	7251.70	7826.98	-7985.58	671.34	1731311.36	14222370.94	39°09'55.9339"N	80°40'45.5274"W	8013.76	175.195	0.14	-0.01	-0.14	
16467.00	89.750	162.700	7252.39	7920.98	-8075.24	699.61	1731339.61	14222281.32	39°09'55.0489"N	80°40'45.1726"W	8105.49	175.048	0.56	0.36	0.43	
16562.00	90.250	162.660	7252.38	8015.98	-8165.93	727.89	1731367.88	14222190.67	39°09'54.1495"N	80°40'44.8176"W	8198.31	174.906	0.53	0.53	-0.04	
16657.00	90.180	162.200	7252.03	8110.98	-8256.50	756.57	1731396.55	14222100.14	39°09'53.2533"N	80°40'44.4575"W	8291.09	174.764	0.49	-0.07	-0.46	
16751.00	90.030	162.430	7251.86	8204.97	-8346.05	785.12	1731425.09	14222010.61	39°09'52.3672"N	80°40'44.0990"W	8382.00	174.626	0.29	-0.16	0.24	
16845.00	90.030	162.940	7251.81	8298.97	-8435.78	813.10	1731453.06	14221920.91	39°09'51.4792"N	80°40'43.7479"W	8474.89	174.494	0.54	0.00	0.54	
17034.00	89.850	162.280	7252.00	8487.97	-8616.15	869.58	1731509.52	14221740.62	39°09'49.6946"N	80°40'43.0388"W	8659.92	174.237	0.36	-0.10	-0.35	
17129.00	90.830	163.610	7251.44	8582.98	-8706.97	897.45	1731537.37	14221649.84	39°09'48.7960"N	80°40'42.6892"W	8753.10	174.115	1.74	1.03	1.40	
17223.00	90.660	161.860	7250.20	8676.95	-8796.73	925.33	1731565.24	14221560.11	39°09'47.9078"N	80°40'42.3393"W	8845.26	173.995	1.65	-0.16	-1.84	
17318.00	92.000	163.090	7247.98	8771.92	-8887.30	953.91	1731593.81	14221469.58	39°09'47.0117"N	80°40'41.9805"W	8938.34	173.874	1.88	1.39	1.27	
17412.00	91.720	163.580	7244.93	8865.87	-8977.30	980.85	1731620.74	14221379.61	39°09'46.1211"N	80°40'41.6425"W	9030.73	173.765	0.60	-0.30	0.52	
17507.00	90.220	162.810	7243.32	8960.85	-9068.23	1008.31	1731648.20	14221288.72	39°09'45.2215"N	80°40'41.2980"W	9124.11	173.655	1.77	-1.56	-0.81	
17601.00	89.970	162.800	7243.17	9054.85	-9158.03	1036.10	1731675.97	14221198.96	39°09'44.3329"N	80°40'40.9402"W	9216.45	173.545	0.27	-0.27	-0.01	
17696.00	89.880	162.820	7243.29	9149.85	-9248.78	1064.18	1731704.04	14221108.24	39°09'43.4349"N	80°40'40.5969"W	9309.80	173.436	0.10	-0.09	0.02	
17790.00	89.510	163.280	7243.79	9243.84	-9338.70	1091.58	1731731.43	14221018.36	39°09'42.5453"N	80°40'40.2530"W	9402.28	173.333	0.63	-0.39	0.49	
17885.00	89.510	162.370	7244.60	9338.84	-9429.46	1119.63	1731759.47	14220927.64	39°09'41.6472"N	80°40'39.9010"W	9495.70	173.229	0.96	0.00	-0.96	
17979.00	89.540	162.380	7245.35	9432.83	-9519.04	1148.09	1731787.92	14220838.09	39°09'40.7608"N	80°40'39.5437"W	9588.03	173.123	0.03	0.03	0.01	
18074.00	91.260	162.420	7244.72	9527.83	-9609.59	1176.82	1731816.63	14220747.58	39°09'39.8648"N	80°40'39.1831"W	9681.38	173.018	1.81	1.81	0.04	
18168.00	90.550	162.880	7243.23	9621.81	-9699.30	1204.84	1731844.65	14220657.90	39°09'38.9771"N	80°40'38.8314"W	9773.65	172.919	0.90	-0.76	0.49	
18262.00	90.590	162.570	7242.31	9715.81	-9789.05	1232.76	1731872.55	14220568.18	39°09'38.0990"N	80°40'38.4811"W	9866.37	172.822	0.33	0.03	-0.33	
18357.00	90.550	162.590	7241.37	9810.80	-9878.69	1261.20	1731900.98	14220477.58	39°09'37.1922"N	80°40'38.1241"W	9959.67	172.725	0.04	-0.03	0.02	
18452.00	90.860	162.770	7240.20	9905.80	-9970.38	1289.48	1731929.25	14220386.93	39°09'36.2948"N	80°40'37.7892"W	10053.42	172.631	0.38	0.33	0.19	
18546.00	90.550	163.000	7239.04	9999.79	-10060.21	1317.14	1731956.90	14220297.13	39°09'35.4060"N	80°40'37.4221"W	10146.07	172.541	0.41	-0.33	0.24	
18641.00	90.650	162.850	7238.05	10094.78	-10151.02	1345.03	1731984.78	14220206.36	39°09'34.5075"N	80°40'37.0721"W	10239.74	172.452	0.19	0.11	-0.16	
18735.00	90.710	162.840	7236.93	10188.78	-10240.78	1372.91	1732012.65	14220116.63	39°09'33.6193"N	80°40'36.7222"W	10332.40	172.364	0.23	0.06	-0.22	
18830.00	91.230	162.890	7235.33	10283.76	-10331.50	1401.05	1732040.78	14220025.95	39°09'32.7216"N	80°40'36.3690"W	10426.07	172.277	0.61	0.55	0.26	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWP
Slot	Slot A		

WELLPATH DATA (259 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
18924.00	91.200	162.240	7233.33	10377.74	-10421.16	1429.21	1732068.93	14219936.32	39°09'31.6344"N	80°40'36.0156"W	10518.71	172.191	0.69	-0.03	-0.69	
19018.00	91.170	162.410	7231.39	10471.72	-10510.70	1457.75	1732097.45	14219846.81	39°09'30.9484"N	80°40'35.6575"W	10611.31	172.104	0.18	-0.03	0.18	
19113.00	91.200	162.500	7229.42	10566.69	-10601.27	1486.38	1732126.07	14219756.29	39°09'30.0523"N	80°40'35.2981"W	10704.96	172.019	0.10	0.03	0.09	
19207.00	91.290	162.790	7227.38	10660.67	-10690.97	1514.41	1732154.10	14219666.62	39°09'29.1647"N	80°40'34.9463"W	10797.69	171.938	0.32	0.10	0.31	
19301.00	91.230	162.700	7225.31	10754.86	-10780.71	1542.29	1732181.96	14219576.91	39°09'28.2767"N	80°40'34.5965"W	10890.47	171.859	0.12	-0.06	-0.10	
19395.00	91.140	162.450	7223.37	10848.63	-10870.38	1570.43	1732210.09	14219487.28	39°09'27.3894"N	80°40'34.2433"W	10983.23	171.779	0.28	-0.10	-0.27	
19489.00	91.200	162.610	7221.45	10942.61	-10960.03	1598.64	1732238.29	14219397.67	39°09'26.5024"N	80°40'33.8892"W	11076.00	171.701	0.18	0.06	0.17	
19583.00	91.290	162.830	7219.41	11036.58	-11049.76	1626.56	1732266.20	14219307.97	39°09'25.6145"N	80°40'33.5389"W	11168.84	171.625	0.25	0.10	0.23	
19678.00	91.230	163.100	7217.32	11131.56	-11140.57	1654.38	1732294.01	14219217.19	39°09'24.7159"N	80°40'33.1898"W	11262.74	171.553	0.29	-0.06	0.28	
19772.00	90.650	162.540	7215.78	11225.55	-11230.36	1682.14	1732321.76	14219127.44	39°09'23.8275"N	80°40'32.8414"W	11355.65	171.481	0.86	-0.62	-0.60	
19866.00	90.710	162.570	7214.66	11319.54	-11320.03	1710.32	1732349.93	14219037.80	39°09'22.9402"N	80°40'32.4878"W	11448.51	171.408	0.07	0.06	0.03	
19961.00	90.860	162.660	7213.36	11414.53	-11410.69	1738.70	1732378.30	14218947.18	39°09'22.0432"N	80°40'32.1316"W	11542.39	171.336	0.18	0.16	0.09	
20055.00	91.420	162.680	7211.49	11508.51	-11500.40	1766.70	1732406.28	14218857.50	39°09'21.1555"N	80°40'31.7803"W	11635.31	171.266	0.60	0.60	0.02	
20149.00	91.230	162.930	7209.32	11602.49	-11590.18	1794.48	1732434.06	14218767.77	39°09'20.2672"N	80°40'31.4317"W	11728.27	171.199	0.33	-0.20	0.27	
20244.00	91.450	162.790	7207.10	11697.46	-11680.93	1822.47	1732462.03	14218677.05	39°09'19.3691"N	80°40'31.0805"W	11822.25	171.132	0.27	0.23	-0.15	
20338.00	91.230	162.800	7204.90	11791.43	-11770.65	1850.42	1732489.98	14218587.36	39°09'18.4814"N	80°40'30.7298"W	11915.21	171.066	0.31	-0.23	-0.20	
20432.00	91.510	162.260	7202.85	11885.40	-11860.24	1878.79	1732518.33	14218497.81	39°09'17.5949"N	80°40'30.3737"W	12008.13	170.999	0.47	0.30	-0.36	
20527.00	91.420	162.670	7200.22	11980.37	-11950.80	1907.40	1732546.93	14218407.29	39°09'16.6988"N	80°40'30.0146"W	12102.05	170.932	0.44	-0.09	0.43	
20621.00	91.720	162.300	7197.65	12074.34	-12040.40	1935.68	1732575.20	14218317.71	39°09'15.8121"N	80°40'29.6597"W	12195.01	170.867	0.51	0.32	-0.39	
20716.00	91.690	162.650	7194.82	12169.29	-12130.96	1964.27	1732603.78	14218227.20	39°09'14.9161"N	80°40'29.3010"W	12288.96	170.802	0.38	-0.03	0.38	
20810.00	91.480	162.670	7192.22	12263.26	-12220.65	1992.27	1732631.76	14218137.54	39°09'14.0286"N	80°40'28.9497"W	12381.98	170.741	0.22	-0.22	0.01	
20905.00	91.660	162.900	7189.62	12358.22	-12311.36	2020.37	1732659.86	14218046.86	39°09'13.1310"N	80°40'28.5970"W	12476.04	170.680	0.31	0.19	0.24	
20999.00	91.050	162.900	7187.39	12452.19	-12401.18	2048.00	1732687.48	14217957.08	39°09'12.2423"N	80°40'28.2503"W	12569.15	170.622	0.65	0.65	0.00	
21094.00	91.200	162.710	7185.53	12547.17	-12491.92	2076.08	1732715.55	14217866.39	39°09'11.3445"N	80°40'27.8980"W	12663.26	170.564	0.25	0.16	-0.20	
21188.00	91.170	162.600	7183.58	12641.15	-12581.63	2104.10	1732743.55	14217776.71	39°09'10.4569"N	80°40'27.5465"W	12756.35	170.506	0.12	-0.03	-0.12	
21282.00	91.230	163.220	7181.62	12735.13	-12671.45	2131.72	1732771.16	14217686.91	39°09'9.5680"N	80°40'27.2000"W	12849.51	170.451	0.66	0.06	0.66	
21377.00	90.920	162.410	7179.83	12830.11	-12762.20	2159.78	1732799.21	14217596.20	39°09'8.6701"N	80°40'26.8479"W	12943.66	170.395	0.91	-0.33	-0.85	
21472.00	91.230	162.650	7178.05	12925.10	-12852.80	2188.30	1732827.72	14217505.64	39°09'7.7736"N	80°40'26.4901"W	13037.76	170.338	0.41	0.33	0.25	
21566.00	91.080	162.450	7176.16	13019.08	-12942.45	2216.48	1732855.89	14217416.02	39°09'6.8884"N	80°40'26.1364"W	13130.88	170.282	0.27	-0.16	-0.21	
21660.00	91.390	162.770	7174.13	13113.05	-13032.14	2244.67	1732883.96	14217326.37	39°09'5.9990"N	80°40'25.7840"W	13224.02	170.228	0.47	0.33	0.34	



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH DATA (259 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
21755.00	91.050	162.560	7172.11	13208.03	-13122.80	2272.87	1732912.25	14217235.74	39°09'5.1019"N	80°40'25.4269"W	13318.18	170.174	0.42	-0.36	-0.22	
21850.00	91.140	162.450	7170.29	13303.01	-13213.39	2301.42	1732940.80	14217145.19	39°09'4.2055"N	80°40'25.0706"W	13412.32	170.120	0.15	0.09	-0.12	
21944.00	91.630	163.090	7168.02	13396.99	-13303.14	2329.25	1732968.62	14217055.47	39°09'3.3174"N	80°40'24.7214"W	13505.52	170.069	0.86	0.52	0.68	
22039.00	91.480	162.410	7165.44	13491.95	-13393.84	2357.42	1732996.77	14216964.81	39°09'2.4200"N	80°40'24.3681"W	13599.72	170.018	0.73	-0.16	-0.72	
22133.00	91.170	163.070	7163.27	13585.92	-13483.58	2385.30	1733024.64	14216875.10	39°09'1.5320"N	80°40'24.0182"W	13692.94	169.968	0.78	-0.33	0.70	
22228.00	91.320	162.240	7161.20	13680.90	-13574.24	2413.61	1733052.95	14216784.48	39°09'0.6349"N	80°40'23.6630"W	13787.15	169.918	0.89	0.16	-0.87	
22323.00	91.380	162.560	7158.97	13775.87	-13664.77	2442.33	1733081.65	14216693.99	39°08'59.7392"N	80°40'23.3026"W	13881.31	169.866	0.34	0.06	0.34	
22417.00	91.350	162.220	7156.73	13869.84	-13754.33	2470.76	1733110.07	14216604.46	39°08'58.8528"N	80°40'22.9458"W	13974.49	169.816	0.36	-0.03	-0.36	
22512.00	91.350	162.970	7154.49	13964.81	-13844.96	2499.17	1733138.47	14216513.87	39°08'57.9561"N	80°40'22.5894"W	14068.72	169.768	0.79	0.00	0.79	
22607.00	91.290	162.130	7152.30	14059.79	-13935.56	2527.65	1733166.94	14216423.30	39°08'57.0596"N	80°40'22.2320"W	14162.94	169.719	0.89	-0.06	-0.88	
22701.00	91.290	162.370	7150.18	14153.76	-14025.07	2556.30	1733195.58	14216333.83	39°08'56.1739"N	80°40'21.8724"W	14256.13	169.670	0.26	0.00	0.26	
22795.00	91.320	162.380	7148.04	14247.73	-14114.63	2584.75	1733224.02	14216244.30	39°08'55.2877"N	80°40'21.5154"W	14349.35	169.623	0.03	0.03	0.01	
22890.00	91.350	162.590	7145.83	14342.71	-14205.20	2613.34	1733252.59	14216153.77	39°08'54.3915"N	80°40'21.1567"W	14443.59	169.576	0.22	0.03	0.22	
23079.00	91.290	162.460	7141.48	14531.65	-14385.43	2670.08	1733309.31	14215973.61	39°08'52.6081"N	80°40'20.4448"W	14631.13	169.485	0.08	-0.03	-0.07	
23173.00	90.950	162.830	7139.64	14625.63	-14475.13	2698.11	1733337.33	14215883.94	39°08'51.7204"N	80°40'20.0931"W	14724.44	169.441	0.53	-0.36	0.39	
23268.00	90.890	162.790	7138.11	14720.62	-14565.88	2726.18	1733365.39	14215793.23	39°08'50.8225"N	80°40'19.7409"W	14818.80	169.399	0.08	-0.06	-0.04	
23362.00	90.830	162.550	7136.70	14814.61	-14655.60	2754.18	1733393.38	14215703.54	39°08'49.9347"N	80°40'19.3897"W	14912.15	169.357	0.26	-0.06	-0.26	
23436.00	90.980	162.710	7135.53	14888.60	-14726.22	2776.27	1733415.46	14215632.96	39°08'49.2360"N	80°40'19.1125"W	14985.63	169.324	0.30	0.20	0.22	
23461.00†	90.980	162.710	7135.11	14913.60	-14750.08	2783.70	1733422.89	14215609.10	39°08'48.9998"N	80°40'19.0193"W	15010.46	169.313	0.00	0.00	0.00	Projected MD at TD: 23461'



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

HOLE & CASING SECTIONS - Ref Wellbore: Castilow Unit 1H AWB Ref Wellpath: Castilow Unit 1H AWP Proj: 23461'

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	0.04	-0.23
17.5in Open Hole	125.50	378.00	252.50	125.50	378.00	0.04	-0.23	0.19	-1.02
13.375in Casing Surface	25.50	358.00	332.50	25.50	358.00	0.00	0.00	0.15	-0.97
12.25in Open Hole	378.00	3480.00	3102.00	378.00	3324.73	0.19	-1.02	360.89	-841.01
9.625in Casing Intermediate	25.50	3450.00	3424.50	25.50	3296.02	0.00	0.00	358.50	-832.65
8.75in Open Hole	3480.00	7165.00	3685.00	3324.73	6783.05	360.89	-841.01	675.00	-1913.47
8.5in Open Hole	7165.00	23461.00	16296.00	6783.05	7135.11	675.00	-1913.47	-14750.08	2783.70
5.5in Casing Production	25.50	23441.00	23415.50	25.50	7135.45	0.00	0.00	-14730.99	2777.76

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Castilow Unit 1H POE Rev-3	7178.00	200.50	-1850.98	1728790.03	14230553.81	39°11'16.9310"N	80°41'17.1934"W	point
Castilow Unit 1H LP Rev-3	7204.00	20.21	-1795.15	1728845.83	14230373.59	39°11'15.1471"N	80°41'16.4923"W	point
Castilow Unit 1H BHL Rev-3	7257.93	-14737.39	2774.34	1733413.53	14215621.79	39°08'49.1256"N	80°40'19.1375"W	point
Castilow Unit 1H 50' L/R Hard Line	7500.00	-7268.44	461.68	1731101.78	14223087.80	39°10'3.0294"N	80°40'48.1571"W	rectangle

2D Rectangle 15637.6 x 100.



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

WELLPATH COMPOSITION - Ref Wellbore: Castilow Unit 1H AWB Ref Wellpath: Castilow Unit 1H AWP Proj: 23461'					
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	274.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (50'-274')	Castilow Unit 1H AWB	12/18/2023
274.00	3403.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (274')(410'-3403')	Castilow Unit 1H AWB	12/18/2023
3403.00	7088.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3403')(3498'-7088')	Castilow Unit 1H AWB	2/7/2024
7088.00	23461.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2"> (7088')(7140'-23436')	Castilow Unit 1H AWB	2/7/2024



Actual Wellpath Report

Castilow Unit 1H AWP Proj: 23461'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Castilow Unit 1H
Field	Doddridge	API	47-017-06965-0000
Facility	Haught Pad	Wellbore	Castilow Unit 1H AWB
Slot	Slot A		

COMMENTS

Wellpath general comments

API: 47-017-06965-0000

BH Job #: 112081134

Rig: H&P 317

Duration: 2/9/2024-2/13/2024

Gyrodata MS Gyro <17-1/2"> (50'-274')

APS EM <12-1/4"> (274')(410'-3403')

APS EM <8-3/4"> (3403')(3498'-7088')

BH AT Curve <8-1/2"> (7088')(7140'-23436')

Sycamore: 7129' MD

Middlesex: 7316' MD

Burkett: 7509' MD

Tully: 7571' MD

Marcellus POE: 7780' MD

Projected MD at TD: 23461'