



ANTERO RESOURCES CORPORATION

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

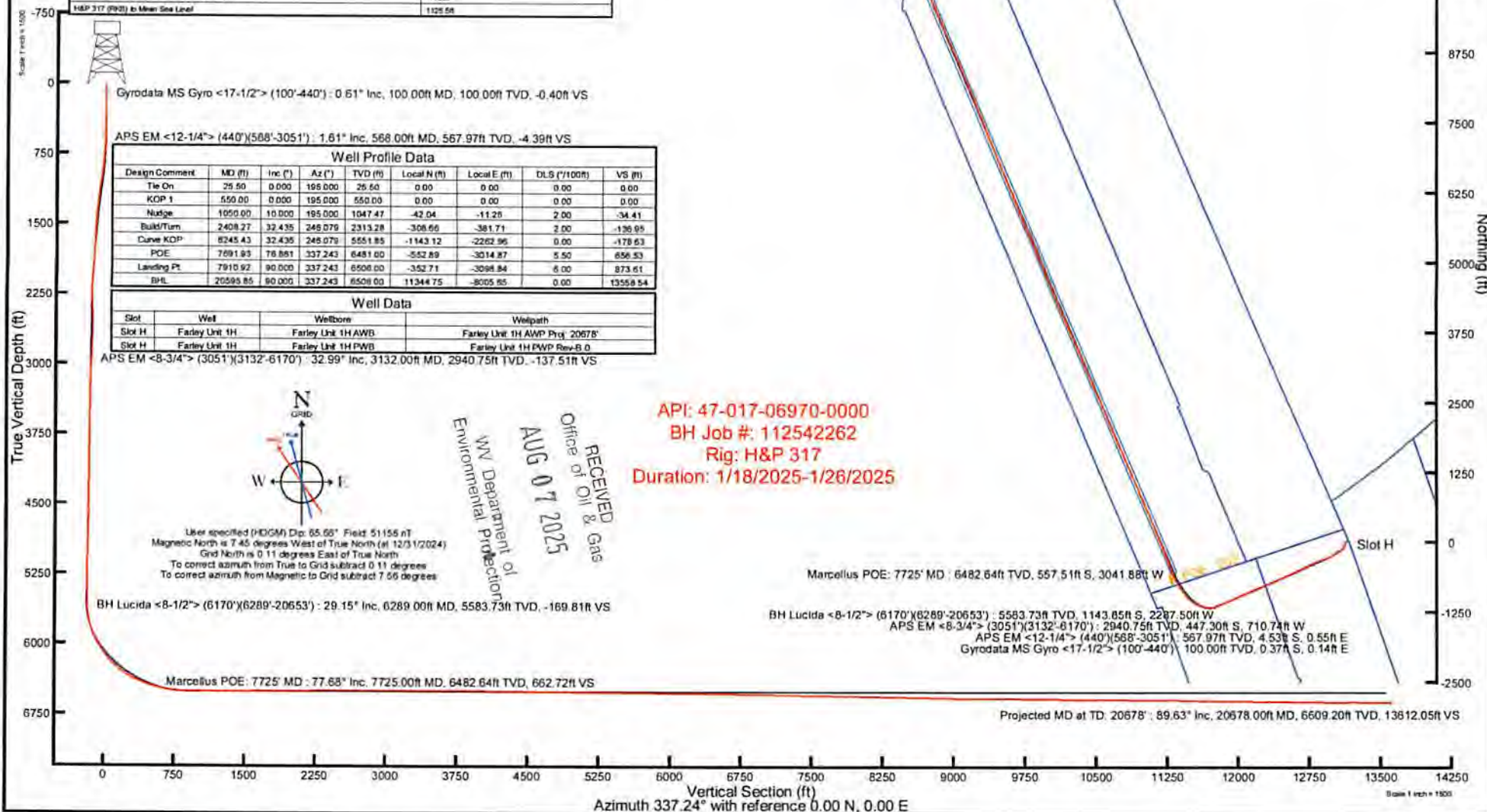
Slot: Slot H
Well: Farley Unit 1H
Wellbore: Farley Unit 1H PWB



Plot reference wellbore is Farley Unit 1H PWB Rev. 6	Grid System: NAD83 / UTM Zone 17 North, US Feet
True vertical depth, and interval to H&P 317 (2025)	North Reference: Grid north
Reference wellbore: H&P 317 (2025)	Source: True Azimuth
H&P 317 (2025) is Mean Sea Level: 1105.6 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot H)	Depth is in feet
Other section IDs are referenced to each party's internal MD datum	Created by Antero on 2025-05-17 Database: VOB, MPL, EASTERNUS, GDS

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Locke Pad	168722.330	1428677.530	39°10'28.000"N	80°57'1.500"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot H	211.82	199.03	168722.180	1428676.270
Comment	Farley Unit 1H			
H&P 317 (2025) to Ground level (At Slot: Slot H)	25.58			
Mean Sea Level to Ground level (At Slot: Slot H)	-1100.00			
H&P 317 (2025) to Mean Sea Level	1125.58			



Gyradata MS Gyro <17-1/2> (100'-440') : 0.51° Inc, 100.00ft MD, 100.00ft TVD, -0.40ft VS

APS EM <12-1/4> (440')(568'-3051') : 1.61° Inc, 568.00ft MD, 567.97ft TVD, -4.39ft VS

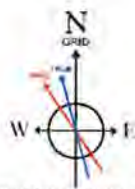
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	25.50	0.000	168.000	25.50	0.00	0.00	0.00	0.00
KOP 1	550.00	0.000	195.000	550.00	0.00	0.00	0.00	0.00
Nudge	1050.00	10.000	195.000	1047.47	-42.04	-11.20	2.00	-34.41
Build/Turn	2408.27	32.435	245.079	2313.28	-308.60	-381.71	2.00	-136.95
Curve KOP	8245.43	32.435	245.079	5551.85	-1143.12	-2262.96	0.00	-178.63
POE	7691.93	78.861	337.243	6481.00	-552.89	-3014.87	5.50	856.53
Landing Pt	7910.92	90.000	337.243	6506.00	-352.71	-3098.84	6.00	873.61
BHL	20595.85	90.000	337.243	6506.00	11344.75	-8005.65	0.00	13559.54

Well Data

Slot	Well	Wellbore	Wellpath
Slot H	Farley Unit 1H	Farley Unit 1HAWB	Farley Unit 1HAWB Proj: 20678'
Slot H	Farley Unit 1H	Farley Unit 1HPWB	Farley Unit 1HPWB Rev: 6.0

APS EM <8-3/4> (3051')(3132'-6170') : 32.99° Inc, 3132.00ft MD, 2940.75ft TVD, -137.51ft VS



User specified (HDGM) Dip: 65.68° Field: 51155 nT
Magnetic North is 7.45 degrees West of True North (at 12/31/2024)
Grid North is 0.11 degrees East of True North
To correct azimuth from True to Grid subtract 0.11 degrees
To correct azimuth from Magnetic to Grid subtract 7.56 degrees

BH Lucida <8-1/2> (6170')(6289'-20653') : 29.15° Inc, 6289.00ft MD, 5583.73ft TVD, -169.81ft VS

Marcellus POE: 7725' MD : 77.68° Inc, 7725.00ft MD, 6482.64ft TVD, 662.72ft VS

API: 47-017-06970-0000
BH Job #: 112542262
Rig: H&P 317
Duration: 1/18/2025-1/26/2025

Marcellus POE: 7725' MD : 6482.64ft TVD, 557.51ft S, 3041.88ft W

BH Lucida <8-1/2> (6170')(6289'-20653') : 5583.73ft TVD, 1143.65ft S, 2287.50ft W
APS EM <8-3/4> (3051')(3132'-6170') : 2940.75ft TVD, 447.30ft S, 710.74ft W
APS EM <12-1/4> (440')(568'-3051') : 567.97ft TVD, 4.53ft S, 0.55ft E
Gyradata MS Gyro <17-1/2> (100'-440') : 100.00ft TVD, 0.37ft S, 0.14ft E



Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999603	Report Generated	2/17/2025 at 10:31:51 PM
Convergence at slot	0.11° 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	211.82	199.63	1687721.88	14226789.27	39°10'40.7800"N	80°49'59.0600"W
Facility Reference Pt			1687522.33	14226577.53	39°10'38.6900"N	80°50'1.5999"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	1125.50ft
Horizontal Reference Pt	Slot	H&P 317 (RKB) to Mean Sea Level	1125.50ft
Vertical Reference Pt	H&P 317 (RKB)	H&P 317 (RKB) to Ground Level at Slot (Slot H)	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	337.24°

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Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 stations) † = interpolated, ‡ = extrapolated station																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US N]	Grid North [US N]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	OLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	Comments
0.00†	0.000	159.550	0.00	0.00	0.00	0.00	1687721.88	14226789.27	39°10'40.7800"N	80°49'59.0600"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	159.550	25.50	0.00	0.00	0.00	1687721.88	14226789.27	39°10'40.7800"N	80°49'59.0600"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.610	159.550	100.00	-0.40	-0.37	0.14	1687722.02	14226788.90	39°10'40.7764"N	80°49'59.0583"W	0.40	159.550	0.82	0.82	0.00	Gyrodata MS Gyro <17-1/2"> (100'-440')
200.00	0.620	151.730	199.99	-1.47	-1.35	0.58	1687722.46	14226787.92	39°10'40.7667"N	80°49'59.0527"W	1.47	156.673	0.08	0.01	-7.02	
300.00	0.320	163.780	299.99	-2.28	-2.09	0.92	1687722.79	14226787.18	39°10'40.7593"N	80°49'59.0485"W	2.28	156.370	0.31	-0.30	12.05	
400.00	0.160	187.760	399.99	-2.68	-2.50	0.97	1687722.85	14226786.77	39°10'40.7553"N	80°49'59.0477"W	2.68	158.695	0.19	-0.16	23.98	
440.00	0.160	173.050	439.99	-2.78	-2.61	0.97	1687722.85	14226786.68	39°10'40.7542"N	80°49'59.0477"W	2.78	159.538	0.10	0.00	-38.77	
568.00	1.610	194.220	567.97	-4.39	-4.53	0.55	1687722.43	14226784.74	39°10'40.7353"N	80°49'59.0531"W	4.56	173.035	1.14	1.13	16.54	APS EM <12-1/4"> (440')(566'-3051')
658.00	3.600	201.060	657.87	-7.44	-8.39	-0.77	1687721.11	14226780.88	39°10'40.6971"N	80°49'59.0701"W	8.43	185.261	2.23	2.21	7.60	
748.00	5.570	199.140	747.58	-12.73	-15.16	-3.22	1687718.66	14226774.12	39°10'40.6303"N	80°49'59.1013"W	15.49	191.996	2.20	2.19	-2.13	
839.00	7.210	197.340	838.01	-20.39	-24.78	-6.37	1687715.51	14226764.50	39°10'40.5352"N	80°49'59.1415"W	25.59	194.418	1.82	1.80	-1.98	
929.00	8.710	196.760	927.14	-29.96	-36.70	-10.02	1687711.86	14226752.59	39°10'40.4175"N	80°49'59.1881"W	38.04	195.271	1.67	1.67	-0.64	
1020.00	10.260	192.860	1016.90	-41.87	-51.20	-13.81	1687708.08	14226738.09	39°10'40.2743"N	80°49'59.2366"W	53.03	195.098	1.84	1.70	-4.29	
1115.00	10.780	200.280	1110.30	-55.24	-67.78	-18.77	1687703.11	14226721.52	39°10'40.1105"N	80°49'59.3000"W	70.33	195.481	1.53	0.55	7.81	
1209.00	11.920	209.690	1202.47	-67.58	-84.48	-26.63	1687695.26	14226704.84	39°10'39.9457"N	80°49'59.4002"W	88.56	197.499	2.31	1.21	10.01	
1304.00	12.930	218.820	1295.25	-78.62	-101.27	-38.15	1687683.74	14226688.04	39°10'39.7798"N	80°49'59.5469"W	108.21	200.644	2.32	1.06	9.61	
1399.00	14.170	224.600	1387.61	-88.16	-117.83	-52.98	1687668.92	14226671.49	39°10'39.6164"N	80°49'59.7356"W	129.19	204.211	1.93	1.31	6.08	
1493.00	14.570	229.960	1478.68	-96.10	-133.63	-70.11	1687651.80	14226655.70	39°10'39.4806"N	80°49'59.9535"W	150.90	207.686	1.48	0.43	5.70	
1588.00	15.850	233.860	1570.35	-102.65	-148.97	-89.74	1687632.18	14226640.36	39°10'39.3093"N	80°50'00.2031"W	173.91	211.065	1.72	1.35	4.11	
1683.00	17.490	237.480	1661.36	-108.07	-164.29	-112.26	1687609.67	14226625.04	39°10'39.1582"N	80°50'00.4893"W	198.96	214.343	2.04	1.73	3.81	
1777.00	18.500	239.030	1750.76	-112.80	-179.56	-136.95	1687584.98	14226609.78	39°10'39.0078"N	80°50'00.8033"W	225.83	217.333	1.19	1.07	1.65	
1872.00	20.270	239.550	1840.37	-116.95	-195.06	-164.07	1687557.88	14226593.69	39°10'38.8491"N	80°50'01.1480"W	255.34	219.981	1.87	1.86	0.55	
1967.00	21.170	240.390	1929.22	-121.20	-212.47	-193.17	1687528.79	14226576.88	39°10'38.6835"N	80°50'01.5179"W	287.16	222.275	1.00	0.95	0.88	
2061.00	20.720	238.650	2017.01	-125.71	-229.51	-222.13	1687499.84	14226559.85	39°10'38.5156"N	80°50'01.8860"W	319.40	224.063	0.82	-0.48	-1.85	
2156.00	21.760	239.980	2105.56	-130.44	-247.07	-251.72	1687470.26	14226542.30	39°10'38.3426"N	80°50'02.2623"W	352.71	225.535	1.21	1.09	1.40	
2250.00	24.310	244.720	2192.08	-133.50	-264.05	-284.32	1687437.68	14226525.32	39°10'38.1753"N	80°50'02.6765"W	388.02	227.116	3.35	2.71	5.04	
2345.00	28.250	249.780	2277.24	-133.36	-280.18	-323.11	1687398.89	14226509.20	39°10'38.0166"N	80°50'03.1696"W	427.67	229.071	4.77	4.15	5.33	
2440.00	30.370	251.680	2380.07	-130.51	-295.51	-367.01	1687355.01	14226493.88	39°10'37.8659"N	80°50'03.7273"W	471.19	231.160	2.43	2.23	1.98	
2534.00	32.310	250.880	2440.35	-127.09	-311.22	-413.31	1687308.74	14226478.18	39°10'37.7115"N	80°50'04.3156"W	517.38	233.021	2.11	2.06	-0.83	
2629.00	33.700	249.090	2520.02	-124.62	-328.94	-461.92	1687260.14	14226460.46	39°10'37.5372"N	80°50'04.9333"W	567.07	234.545	1.79	1.46	-1.88	

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWP
Slot	Slot H		

WELLPATH DATA (227 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
2723.00	33.980	246.270	2598.10	-124.23	-348.82	-510.33	1687211.75	14226440.59	39°10'37.3416"N	80°50'5.5485"W	618.15	235.647	1.70	0.30	-3.00	
2818.00	32.880	243.740	2677.39	-126.25	-370.01	-557.76	1687164.34	14226418.50	39°10'37.1240"N	80°50'6.1513"W	669.83	236.376	1.87	-1.16	-2.69	
2912.00	32.880	243.440	2756.33	-129.50	-393.61	-803.47	1687118.65	14226395.82	39°10'36.9005"N	80°50'6.7322"W	720.49	236.886	0.17	0.00	-0.32	
3007.00	33.290	243.360	2835.93	-132.97	-416.83	-649.84	1687072.30	14226372.60	39°10'36.6718"N	80°50'7.3215"W	772.04	237.322	0.43	0.43	-0.08	
3051.00	32.930	243.940	2872.78	-134.48	-427.50	-671.37	1687050.77	14226361.94	39°10'36.5668"N	80°50'7.5952"W	795.93	237.513	1.09	-0.62	1.33	
3132.00	32.990	242.660	2940.75	-137.51	-447.30	-710.74	1687011.42	14226342.15	39°10'36.3718"N	80°50'8.0956"W	839.78	237.816	0.86	0.07	-1.58	APS EM <8-3/4"> (3051')/(3132'-6170')
3230.00	33.100	239.390	3022.90	-143.29	-473.18	-757.48	1686964.71	14226316.28	39°10'36.1168"N	80°50'8.6896"W	893.12	238.008	1.82	0.11	-3.34	
3325.00	34.530	241.990	3101.84	-149.30	-499.04	-803.58	1686918.62	14226290.43	39°10'35.8621"N	80°50'9.2756"W	945.93	238.159	2.14	1.51	2.74	
3420.00	34.880	244.650	3179.94	-152.89	-523.23	-851.94	1686870.28	14226266.25	39°10'35.6239"N	80°50'9.8903"W	999.78	238.443	1.75	0.37	3.01	
3515.00	34.990	248.470	3257.83	-153.44	-544.77	-901.87	1686820.37	14226244.72	39°10'35.4118"N	80°50'10.5248"W	1053.63	238.866	2.18	0.12	3.81	
3609.00	35.530	247.370	3334.58	-152.80	-565.17	-952.15	1686770.11	14226224.32	39°10'35.2111"N	80°50'11.1637"W	1107.25	239.308	0.89	0.57	-1.17	
3704.00	35.630	244.640	3411.85	-153.99	-587.65	-1002.64	1686719.64	14226201.86	39°10'34.9899"N	80°50'11.8053"W	1162.16	239.625	1.68	0.11	-2.87	
3799.00	35.330	245.850	3489.21	-155.92	-610.74	-1052.71	1686669.59	14226178.78	39°10'34.7625"N	80°50'12.4416"W	1217.04	239.880	0.80	-0.32	1.27	
3893.00	34.460	248.980	3566.32	-155.77	-631.40	-1102.34	1686619.98	14226158.13	39°10'34.5592"N	80°50'13.0723"W	1270.36	240.197	2.12	-0.93	3.33	
3988.00	33.770	246.990	3644.97	-155.07	-651.36	-1151.73	1686570.61	14226138.17	39°10'34.3628"N	80°50'13.7000"W	1323.16	240.510	1.38	-0.73	-2.03	
4083.00	33.380	243.610	3724.13	-156.84	-673.30	-1199.45	1686522.91	14226116.24	39°10'34.1468"N	80°50'14.3064"W	1375.50	240.693	2.01	-0.41	-3.56	
4177.00	32.460	244.900	3803.04	-159.50	-695.49	-1245.46	1686476.92	14226094.05	39°10'33.9282"N	80°50'14.8911"W	1426.49	240.820	1.23	-0.98	1.37	
4272.00	31.760	246.020	3883.50	-161.08	-716.47	-1291.39	1686431.01	14226073.09	39°10'33.7217"N	80°50'15.4748"W	1476.83	240.978	0.97	-0.74	1.16	
4367.00	31.990	247.970	3964.18	-161.29	-736.07	-1337.56	1686384.85	14226053.49	39°10'33.5288"N	80°50'16.0616"W	1526.72	241.176	1.11	0.24	2.05	
4462.00	33.720	248.560	4043.98	-160.36	-755.15	-1385.44	1686337.00	14226034.42	39°10'33.3411"N	80°50'16.6699"W	1577.87	241.407	1.85	1.82	0.62	
4556.00	33.880	248.150	4122.10	-160.26	-775.28	-1433.69	1686288.76	14226014.30	39°10'33.1429"N	80°50'17.2831"W	1629.88	241.597	1.44	0.17	-2.56	
4651.00	34.290	246.170	4200.78	-161.26	-796.80	-1482.39	1686240.09	14225992.79	39°10'32.9311"N	80°50'17.9019"W	1682.96	241.741	0.43	0.43	0.02	
4746.00	32.130	248.260	4280.26	-161.31	-816.97	-1530.34	1686192.15	14225972.62	39°10'32.7326"N	80°50'18.5113"W	1734.76	241.904	2.57	-2.27	2.20	
4840.00	32.270	248.280	4359.80	-159.97	-835.11	-1577.03	1686145.48	14225954.49	39°10'32.5541"N	80°50'19.1045"W	1784.48	242.097	0.60	0.15	1.03	
4835.00	33.790	248.130	4439.45	-158.20	-853.49	-1625.43	1686097.08	14225936.12	39°10'32.3733"N	80°50'19.7198"W	1835.89	242.297	1.60	1.60	-0.16	
5033.00	33.070	245.740	4521.24	-158.00	-874.19	-1675.28	1686047.27	14225915.43	39°10'32.1696"N	80°50'20.3530"W	1889.65	242.444	2.04	-0.73	-3.46	
5128.00	31.840	245.230	4601.40	-159.56	-895.34	-1721.66	1686000.90	14225894.29	39°10'31.9613"N	80°50'20.9425"W	1940.56	242.524	1.33	-1.29	-0.54	
5222.00	32.390	244.400	4681.02	-161.68	-916.61	-1766.88	1685955.70	14225873.03	39°10'31.7519"N	80°50'21.5172"W	1990.49	242.581	0.75	0.59	-0.88	
5317.00	32.530	243.950	4761.18	-164.40	-938.82	-1812.78	1685909.82	14225850.83	39°10'31.5332"N	80°50'22.1004"W	2041.46	242.621	0.29	0.15	-0.47	
5412.00	32.100	245.180	4841.40	-166.78	-960.63	-1858.64	1685863.98	14225829.02	39°10'31.3184"N	80°50'22.6832"W	2092.21	242.668	0.83	-0.45	1.29	

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 2067B'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 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 (°)	OLS (ft/100ft)	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
5506.00	32.580	244.820	4920.88	-168.74	-981.88	-1904.21	1685818.43	14225807.78	39°10'31.1091"N	80°50'23.2824"W	2142.45	242.723	0.55	0.51	-0.38	
5601.00	32.280	245.000	5001.07	-170.81	-1003.49	-1950.35	1685772.31	14225786.18	39°10'30.8964"N	80°50'23.8487"W	2193.36	242.773	0.33	-0.32	0.19	
5696.00	33.090	245.140	5081.02	-172.76	-1025.11	-1996.87	1685725.81	14225764.57	39°10'30.6835"N	80°50'24.4399"W	2244.62	242.826	0.86	0.85	0.15	
5791.00	33.610	246.780	5160.38	-173.92	-1048.38	-2044.56	1685678.13	14225743.31	39°10'30.4741"N	80°50'25.0460"W	2296.77	242.897	1.10	0.55	1.73	
5885.00	33.880	249.980	5238.55	-172.87	-1065.61	-2093.09	1685629.62	14225724.09	39°10'30.2849"N	80°50'25.6627"W	2348.74	243.019	1.91	0.29	3.40	
5980.00	32.470	250.160	5318.06	-170.31	-1083.33	-2141.96	1685580.77	14225706.37	39°10'30.1106"N	80°50'26.2836"W	2400.33	243.171	1.49	-1.48	0.19	
6075.00	32.030	248.050	5398.41	-168.65	-1101.40	-2189.32	1685533.44	14225688.31	39°10'29.9328"N	80°50'26.8853"W	2450.75	243.294	1.27	-0.46	-2.22	
6170.00	29.570	245.420	5480.01	-169.04	-1120.57	-2234.01	1685488.76	14225669.15	39°10'29.7441"N	80°50'27.4532"W	2499.30	243.362	2.95	-2.59	-2.77	
6289.00	29.150	247.560	5583.73	-169.81	-1143.85	-2287.50	1685435.29	14225645.88	39°10'29.5149"N	80°50'28.1329"W	2557.55	243.433	0.95	-0.35	1.80	BH Lucida <8-1/2"> (6170')(6289'-20653')
6384.00	32.100	257.250	5665.52	-165.29	-1158.26	-2333.54	1685389.27	14225631.47	39°10'29.3733"N	80°50'28.7179"W	2605.19	243.602	6.04	3.11	10.20	
6478.00	32.920	266.740	5744.84	-152.41	-1165.23	-2383.44	1685339.39	14225624.50	39°10'29.3053"N	80°50'29.3516"W	2653.03	243.947	5.49	0.87	10.10	
6573.00	34.420	273.340	5823.93	-131.98	-1165.14	-2436.04	1685286.82	14225624.60	39°10'29.3071"N	80°50'30.0195"W	2700.34	244.439	4.16	1.58	6.95	
6668.00	35.720	281.740	5901.72	-104.44	-1157.93	-2490.03	1685232.85	14225631.81	39°10'29.3793"N	80°50'30.7049"W	2746.09	245.060	5.26	1.37	8.84	
6762.00	37.800	290.480	5977.08	-69.14	-1142.25	-2543.92	1685178.97	14225647.48	39°10'29.5352"N	80°50'31.3889"W	2788.80	245.819	5.98	2.21	9.30	
6857.00	40.170	297.650	6050.96	-25.56	-1117.83	-2598.37	1685124.55	14225671.89	39°10'29.7775"N	80°50'32.0797"W	2828.62	246.722	5.36	2.49	7.55	
6943.00†	41.204	301.678	6116.18	18.88	-1090.08	-2647.06	1685075.88	14225699.63	39°10'30.0526"N	80°50'32.6973"W	2862.72	247.618	3.28	1.20	4.88	Sycamore: 6943' MD
6952.00	41.320	302.080	6122.94	23.72	-1086.94	-2652.10	1685070.84	14225702.76	39°10'30.0837"N	80°50'32.7612"W	2866.19	247.714	3.28	1.29	4.57	
7047.00	46.590	309.340	6191.35	79.93	-1048.35	-2705.43	1685017.53	14225741.34	39°10'30.4660"N	80°50'33.4376"W	2901.44	248.819	7.66	5.55	7.63	
7141.00	51.480	313.240	6252.97	143.75	-1001.48	-2758.66	1684964.32	14225788.19	39°10'30.9302"N	80°50'34.1126"W	2934.82	250.048	6.07	5.20	4.15	
7219.00†	54.922	318.396	6299.71	201.68	-956.68	-2802.12	1684920.88	14225832.97	39°10'31.3738"N	80°50'34.6633"W	2960.93	251.149	6.89	4.41	5.61	Middlesex: 7219' MD
7236.00	55.700	319.460	6309.39	215.15	-946.14	-2811.30	1684911.70	14225843.51	39°10'31.4781"N	80°50'34.7797"W	2966.24	251.399	6.89	4.58	6.28	
7331.00	62.460	323.390	6358.19	293.52	-882.42	-2862.00	1684861.03	14225907.20	39°10'32.1088"N	80°50'35.4220"W	2994.94	252.864	7.95	7.12	4.14	
7425.00	67.450	326.590	6397.97	376.71	-812.67	-2910.79	1684812.25	14225976.92	39°10'32.7090"N	80°50'36.0401"W	3022.11	254.401	8.14	5.31	3.40	
7467.00†	69.549	328.400	6413.37	415.22	-779.72	-2931.78	1684791.27	14226009.86	39°10'33.1251"N	80°50'36.3059"W	3033.70	255.107	6.41	5.00	4.31	Burkett: 7467' MD
7471.00	69.750	328.570	6414.78	418.83	-776.52	-2933.74	1684789.31	14226013.08	39°10'33.1587"N	80°50'36.3308"W	3034.77	255.175	6.41	5.02	4.24	
7520.00	71.680	330.840	6430.94	464.77	-736.59	-2957.07	1684765.99	14226052.97	39°10'33.5518"N	80°50'36.6260"W	3047.43	256.013	5.88	3.94	4.63	
7615.00	75.950	334.600	6457.43	555.69	-655.52	-2998.84	1684724.24	14226134.01	39°10'34.3537"N	80°50'37.1547"W	3069.65	257.670	5.89	4.49	3.96	
7622.00†	76.093	334.785	6459.12	562.47	-649.38	-3001.74	1684721.34	14226140.15	39°10'34.4145"N	80°50'37.1914"W	3071.18	257.793	3.27	2.04	2.64	Tully: 7622' MD
7681.00	76.890	335.810	6468.23	600.37	-614.93	-3017.59	1684705.50	14226174.58	39°10'34.7553"N	80°50'37.3919"W	3079.61	258.482	3.27	2.04	2.63	
7710.00	76.890	337.810	6479.34	648.00	-671.07	-3036.38	1684686.71	14226218.43	39°10'35.1891"N	80°50'37.6285"W	3089.61	259.349	3.98	0.00	4.08	

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Farley Unit 1H AWP Proj: 20678'

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REFERENCE WELLPATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Farley Unit 1H
Field	Doddridge		API	47-017-06970-0000
Facility	Locke Pad		Wellbore	Farley Unit 1H AWB
Slot	Slot H			

WELLPATH DATA (227 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 [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [ft/100ft]	Comments
7725.00†	77.881	338.038	6482.84	662.72	-557.51	-3041.88	1684681.22	14226231.99	39°10'35.3232°N	80°50'37.6990°W	3092.55	259.614	5.48	5.27	1.52	Marcellus POE 7725' MD
7804.00	81.850	339.220	6496.68	740.42	-485.13	-3070.20	1684652.91	14226304.34	39°10'36.0391°N	80°50'38.0571°W	3108.28	261.021	5.48	5.28	1.50	
7899.00	86.180	339.060	6506.58	834.83	-396.86	-3103.83	1684619.29	14226392.57	39°10'36.9121°N	80°50'38.4822°W	3120.10	262.714	4.56	4.56	-0.17	
7994.00	90.310	339.050	6509.49	929.72	-308.20	-3137.77	1684585.36	14226481.20	39°10'37.7890°N	80°50'38.9112°W	3152.87	264.390	4.35	4.35	-0.01	
8088.00	90.400	338.700	6508.91	1023.60	-220.51	-3171.65	1684551.50	14226568.84	39°10'38.6563°N	80°50'39.3395°W	3179.30	266.023	0.38	0.10	-0.37	
8183.00	92.280	338.900	6506.69	1118.61	-131.97	-3205.99	1684517.17	14226657.35	39°10'39.5320°N	80°50'39.7737°W	3208.71	267.643	1.99	1.98	0.21	
8278.00	89.910	337.800	6504.87	1213.57	-43.70	-3241.03	1684482.14	14226745.59	39°10'40.4051°N	80°50'40.2167°W	3241.32	269.228	2.75	-2.49	-1.16	
8373.00	90.090	338.010	6504.87	1308.59	44.33	-3276.76	1684446.43	14226833.58	39°10'41.2757°N	80°50'40.6685°W	3277.06	270.775	0.29	0.19	0.22	
8467.00	90.000	338.460	6504.80	1402.55	131.62	-3311.62	1684411.58	14226920.84	39°10'42.1391°N	80°50'41.1093°W	3314.23	272.276	0.49	-0.10	0.48	
8562.00	90.090	338.290	6504.72	1497.53	219.54	-3346.63	1684376.59	14227009.12	39°10'43.0126°N	80°50'41.5519°W	3353.85	273.760	0.20	0.09	-0.18	
8657.00	91.690	338.690	6503.25	1592.49	306.31	-3381.46	1684341.77	14227097.45	39°10'43.8866°N	80°50'41.9622°W	3385.48	275.210	1.74	1.68	0.42	
8751.00	90.000	337.070	6501.86	1686.47	385.37	-3416.85	1684306.40	14227184.49	39°10'44.7478°N	80°50'42.4398°W	3439.65	276.601	2.49	-1.80	-1.72	
8846.00	89.940	336.740	6501.91	1781.47	482.76	-3454.11	1684269.15	14227271.84	39°10'45.6121°N	80°50'42.9111°W	3487.68	277.956	0.35	-0.06	-0.35	
8941.00	90.000	336.800	6501.96	1876.48	570.06	-3491.58	1684231.69	14227359.10	39°10'46.4756°N	80°50'43.3850°W	3537.81	279.273	0.09	0.06	0.08	
9035.00	90.400	337.180	6501.63	1970.48	656.58	-3528.32	1684194.96	14227445.59	39°10'47.3314°N	80°50'43.8497°W	3588.89	280.541	0.59	0.43	0.40	
9130.00	90.830	337.020	6500.61	2065.46	744.09	-3565.29	1684158.02	14227533.06	39°10'48.1969°N	80°50'44.3172°W	3642.11	281.789	0.48	0.45	-0.17	
9225.00	90.340	337.180	6499.64	2160.45	831.59	-3602.25	1684121.07	14227620.53	39°10'49.0625°N	80°50'44.7847°W	3697.00	282.999	0.54	-0.52	0.17	
9320.00	91.720	339.340	6497.93	2255.41	919.81	-3637.43	1684085.90	14227708.72	39°10'49.9350°N	80°50'45.2296°W	3751.93	284.191	2.70	1.45	2.27	
9414.00	90.120	337.420	6496.43	2349.37	1007.18	-3672.06	1684051.29	14227796.05	39°10'50.7891°N	80°50'45.6674°W	3807.68	285.338	2.66	-1.70	-2.04	
9508.00	89.910	336.830	6496.40	2444.37	1094.71	-3708.99	1684014.37	14227883.54	39°10'51.6549°N	80°50'46.1345°W	3867.17	286.444	0.66	-0.22	-0.62	
9604.00	89.970	336.650	6496.50	2539.37	1181.98	-3746.50	1683976.87	14227970.79	39°10'52.5282°N	80°50'46.6090°W	3926.54	287.510	0.20	0.06	-0.19	
9698.00	90.000	337.440	6496.52	2633.37	1268.55	-3783.16	1683940.23	14228057.31	39°10'53.3843°N	80°50'47.0727°W	3990.18	288.537	0.84	0.03	0.84	
9793.00	90.550	337.430	6496.07	2728.37	1356.27	-3819.62	1683903.79	14228145.00	39°10'54.2520°N	80°50'47.5337°W	4053.27	289.549	0.58	0.58	-0.01	
9888.00	89.940	336.770	6495.66	2823.36	1443.78	-3856.58	1683866.84	14228232.48	39°10'55.1175°N	80°50'48.0013°W	4117.98	290.524	0.95	-0.64	-0.69	
9982.00	90.220	336.970	6495.53	2917.36	1530.23	-3893.51	1683829.93	14228318.88	39°10'55.9726°N	80°50'48.4683°W	4183.42	291.456	0.37	0.30	0.21	
10077.00	90.030	337.060	6495.32	3012.36	1617.68	-3930.61	1683792.84	14228406.31	39°10'56.8378°N	80°50'48.9375°W	4250.48	292.370	0.22	-0.20	0.09	
10172.00	89.940	336.380	6495.35	3107.36	1704.95	-3968.15	1683755.31	14228493.54	39°10'57.7007°N	80°50'49.4125°W	4318.92	293.251	0.72	-0.09	-0.72	
10267.00	89.680	337.050	6495.68	3202.35	1792.21	-4005.71	1683717.77	14228580.76	39°10'58.5638°N	80°50'49.8875°W	4388.36	294.104	0.76	-0.29	0.71	
10361.00	89.820	336.920	6496.11	3296.35	1878.73	-4042.46	1683681.04	14228667.25	39°10'59.4196°N	80°50'50.3524°W	4457.70	294.927	0.22	0.17	-0.14	
10456.00	91.080	337.470	6495.36	3391.34	1966.30	-4079.28	1683644.23	14228754.78	39°11'0.2857°N	80°50'50.8181°W	4528.44	295.735	1.45	1.33	0.58	

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 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
10551.00	89.480	336.480	6494.90	3486.34	2053.72	-4116.43	1683607.09	14228842.17	39°11'1.1504"N	80°50'51.2881"W	4600.30	296.515	1.98	-1.68	-1.04	
10645.00	89.910	337.310	6495.40	3580.33	2140.18	-4153.32	1683570.22	14228928.59	39°11'2.0056"N	80°50'51.7547"W	4672.30	297.262	0.99	0.46	0.00	
10740.00	89.570	336.980	6495.83	3675.33	2227.72	-4190.22	1683533.34	14229016.10	39°11'2.8715"N	80°50'52.2214"W	4745.59	297.997	0.50	-0.36	-0.35	
10835.00	89.880	337.090	6496.28	3770.33	2315.19	-4227.28	1683496.29	14229103.53	39°11'3.7366"N	80°50'52.6902"W	4819.75	298.709	0.35	0.33	0.12	
10830.00	89.420	336.580	6496.86	3865.33	2402.53	-4264.65	1683458.93	14229190.84	39°11'4.6005"N	80°50'53.1630"W	4894.83	299.395	0.72	-0.48	-0.54	
11024.00	89.600	336.890	6497.67	3959.32	2488.88	-4301.78	1683421.82	14229277.16	39°11'5.4546"N	80°50'53.6326"W	4969.89	300.052	0.38	0.19	0.33	
11119.00	89.450	336.360	6498.46	4054.31	2576.08	-4339.47	1683384.14	14229364.32	39°11'6.3171"N	80°50'54.1094"W	5046.50	300.695	0.58	-0.16	-0.56	
11214.00	89.540	337.020	6499.29	4149.30	2663.32	-4377.06	1683346.57	14229451.53	39°11'7.1800"N	80°50'54.5849"W	5123.66	301.319	0.70	0.09	0.69	
11308.00	89.170	336.780	6500.35	4243.29	2749.78	-4413.94	1683309.71	14229537.95	39°11'8.0351"N	80°50'55.0514"W	5200.40	301.922	0.47	-0.39	-0.26	
11403.00	89.170	337.160	6501.73	4338.28	2837.20	-4451.10	1683272.86	14229625.34	39°11'8.8998"N	80°50'55.5215"W	5278.44	302.514	0.40	0.00	0.40	
11498.00	89.260	337.160	6503.03	4433.27	2924.74	-4487.97	1683235.70	14229712.64	39°11'9.7657"N	80°50'55.9870"W	5356.86	303.092	0.09	0.09	0.00	
11503.00	89.290	337.050	6504.23	4528.26	3012.25	-4524.93	1683198.76	14229800.32	39°11'10.6312"N	80°50'56.4554"W	5435.86	303.652	0.12	0.03	-0.12	
11687.00	89.940	337.920	6504.86	4622.26	3099.08	-4560.92	1683162.78	14229887.12	39°11'11.4900"N	80°50'56.9107"W	5514.19	304.196	1.16	0.69	0.93	
11782.00	89.480	337.480	6505.34	4717.26	3186.98	-4596.97	1683126.75	14229974.97	39°11'12.3594"N	80°50'57.3666"W	5593.65	304.733	0.67	-0.48	-0.46	
11877.00	89.200	337.030	6506.44	4812.25	3274.58	-4633.09	1683090.04	14230062.55	39°11'13.2258"N	80°50'57.8312"W	5673.98	305.248	0.56	-0.26	-0.47	
11972.00	89.450	337.360	6507.56	4907.24	3362.15	-4670.51	1683053.23	14230150.08	39°11'14.0920"N	80°50'58.2970"W	5754.80	305.749	0.44	0.26	0.35	
12068.00	89.090	337.060	6508.76	5001.23	3448.81	-4706.92	1683016.84	14230236.70	39°11'14.9490"N	80°50'58.7575"W	5835.18	306.231	0.51	-0.39	-0.32	
12161.00	89.050	336.830	6510.31	5096.22	3536.21	-4744.12	1682979.66	14230324.06	39°11'15.8135"N	80°50'59.2281"W	5917.04	306.700	0.24	-0.03	-0.24	
12256.00	89.050	337.160	6511.89	5191.21	3623.84	-4781.24	1682942.55	14230411.46	39°11'16.6783"N	80°50'59.6977"W	5999.25	307.158	0.35	0.00	0.35	
12350.00	89.110	336.910	6513.40	5285.19	3710.18	-4817.91	1682905.89	14230497.96	39°11'17.5342"N	80°50'59.1616"W	6080.93	307.599	0.27	0.06	-0.27	
12445.00	89.540	337.110	6514.52	5380.19	3797.62	-4855.01	1682868.81	14230585.38	39°11'18.3992"N	80°50'59.6310"W	6163.86	308.033	0.50	0.45	0.21	
12540.00	89.600	337.180	6515.23	5475.18	3885.16	-4891.91	1682831.92	14230672.88	39°11'19.2650"N	80°50'59.0978"W	6247.02	308.457	0.10	0.06	0.07	
12634.00	89.350	336.510	6516.09	5569.18	3971.59	-4928.87	1682794.98	14230759.27	39°11'20.1198"N	80°50'59.5654"W	6329.87	308.861	0.76	-0.27	-0.71	
12729.00	89.570	336.810	6516.99	5664.17	4058.81	-4966.51	1682757.36	14230846.46	39°11'20.9825"N	80°50'59.0415"W	6414.06	309.257	0.39	0.23	0.32	
12824.00	89.410	336.850	6517.83	5758.16	4146.14	-5003.88	1682719.99	14230933.76	39°11'21.8463"N	80°50'59.5144"W	6498.41	309.645	0.17	-0.17	0.04	
12919.00	89.510	336.710	6518.73	5854.15	4233.44	-5041.34	1682682.56	14231021.02	39°11'22.7098"N	80°50'59.9883"W	6583.10	310.022	0.18	0.11	-0.15	
13013.00	89.570	337.200	6519.48	5948.15	4319.94	-5078.13	1682645.77	14231107.48	39°11'23.5653"N	80°50'59.4538"W	6667.03	310.388	0.53	0.06	0.52	
13107.00	89.510	336.990	6520.24	6042.15	4406.53	-5114.72	1682609.21	14231194.04	39°11'24.4217"N	80°50'59.9166"W	6751.13	310.746	0.23	-0.06	-0.22	
13202.00	89.510	337.070	6521.05	6137.14	4493.99	-5151.79	1682572.15	14231281.46	39°11'25.2868"N	80°50'59.3856"W	6836.44	311.099	0.08	0.00	0.08	
13297.00	89.570	337.280	6521.81	6232.14	4581.55	-5188.64	1682535.31	14231368.99	39°11'26.1528"N	80°50'59.8518"W	6921.89	311.444	0.23	0.06	0.22	

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 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
13391.00	88.980	336.460	6523.00	8326.13	4667.98	-5225.56	1682498.40	14231455.39	39°11'27.0077"N	80°51'5.3190"W	7006.89	311.774	1.07	-0.63	-0.87	
13486.00	89.600	337.080	6524.18	6421.12	4755.27	-5263.03	1682460.95	14231542.64	39°11'27.8711"N	80°51'5.7930"W	7093.10	312.099	0.92	0.65	0.65	
13581.00	88.710	336.420	6525.58	6516.10	4842.55	-5300.53	1682423.47	14231629.88	39°11'28.7343"N	80°51'6.2674"W	7179.54	312.415	1.17	-0.94	-0.69	
13675.00	89.320	337.100	6527.20	6610.08	4928.91	-5337.61	1682386.40	14231716.21	39°11'29.5885"N	80°51'6.7366"W	7265.27	312.720	0.97	0.65	0.72	
13770.00	89.140	337.430	6528.47	6705.07	5016.52	-5374.32	1682349.71	14231803.78	39°11'30.4550"N	80°51'7.2011"W	7351.79	313.028	0.40	-0.19	0.35	
13865.00	89.280	337.080	6529.80	6800.06	5104.12	-5411.05	1682312.98	14231891.35	39°11'31.3214"N	80°51'7.6659"W	7438.52	313.328	0.41	0.13	-0.39	
13959.00	89.350	337.260	6530.94	6894.06	5190.74	-5447.55	1682278.51	14231977.94	39°11'32.1782"N	80°51'8.1275"W	7524.60	313.617	0.23	0.10	0.21	
14054.00	89.230	337.080	6532.12	6989.05	5278.28	-5484.42	1682239.65	14232065.45	39°11'33.0440"N	80°51'8.5940"W	7611.78	313.903	0.25	-0.13	-0.21	
14148.00	89.320	337.150	6533.30	7083.04	5364.87	-5520.99	1682203.10	14232152.00	39°11'33.9004"N	80°51'9.0566"W	7698.26	314.178	0.14	0.10	0.10	
14243.00	89.380	338.370	6534.58	7178.03	5452.80	-5556.94	1682167.18	14232238.89	39°11'34.7701"N	80°51'9.5115"W	7785.41	314.458	1.29	0.06	1.20	
14338.00	88.580	338.010	6536.07	7273.00	5540.98	-5592.23	1682131.88	14232328.04	39°11'35.6422"N	80°51'9.9579"W	7872.45	314.736	0.92	-0.84	-0.30	
14433.00	88.980	338.050	6538.10	7367.97	5629.06	-5627.76	1682096.37	14232416.08	39°11'36.5134"N	80°51'10.4074"W	7959.78	315.007	0.42	0.42	0.04	
14527.00	89.080	338.200	6539.89	7461.95	5716.28	-5662.78	1682061.36	14232503.27	39°11'37.3760"N	80°51'10.8503"W	8046.30	315.269	0.19	0.11	0.16	
14622.00	89.080	338.290	6541.21	7556.92	5804.50	-5697.99	1682026.17	14232591.46	39°11'38.2486"N	80°51'11.2957"W	8133.84	315.531	0.09	0.00	0.09	
14717.00	89.140	338.050	6542.89	7651.88	5892.68	-5733.31	1681990.88	14232679.60	39°11'39.1207"N	80°51'11.7425"W	8221.59	315.785	0.26	0.06	-0.25	
14811.00	89.140	338.030	6544.10	7745.87	5979.85	-5768.46	1681955.73	14232766.73	39°11'39.9828"N	80°51'12.1871"W	8308.65	316.031	0.02	0.00	-0.02	
14906.00	89.050	337.780	6545.80	7840.86	6067.87	-5804.18	1681920.02	14232854.71	39°11'40.8533"N	80°51'12.6390"W	8396.87	316.272	0.27	-0.08	-0.25	
15001.00	89.080	337.920	6547.15	7935.84	6155.85	-5839.98	1681884.23	14232942.68	39°11'41.7235"N	80°51'13.0920"W	8485.27	316.508	0.14	0.03	0.14	
15096.00	88.740	337.810	6548.96	8030.82	6243.83	-5875.77	1681848.45	14233030.61	39°11'42.5936"N	80°51'13.5448"W	8573.80	316.739	0.38	-0.36	-0.12	
15190.00	88.920	337.690	6550.88	8124.79	6330.81	-5911.36	1681812.88	14233117.55	39°11'43.4539"N	80°51'13.9950"W	8661.60	316.962	0.23	0.19	-0.13	
15285.00	88.310	337.550	6553.17	8219.76	6418.63	-5947.52	1681776.74	14233205.34	39°11'44.3225"N	80°51'14.4525"W	8750.53	317.182	0.65	-0.64	-0.15	
15380.00	88.980	338.140	6555.42	8314.73	6506.59	-5983.33	1681740.94	14233293.28	39°11'45.1925"N	80°51'14.9056"W	8839.46	317.399	0.94	0.71	0.62	
15474.00	89.170	338.140	6556.94	8408.70	6593.82	-6018.23	1681705.96	14233380.48	39°11'46.0552"N	80°51'15.3483"W	8927.42	317.613	0.20	0.20	0.00	
15569.00	88.920	338.140	6558.52	8503.68	6681.98	-6053.70	1681670.60	14233468.58	39°11'46.9271"N	80°51'15.7957"W	9016.43	317.824	0.26	-0.26	0.00	
15664.00	89.170	338.440	6560.10	8598.65	6770.23	-6088.83	1681635.48	14233556.79	39°11'47.7999"N	80°51'16.2402"W	9105.48	318.033	0.41	0.26	0.32	
15759.00	88.770	337.970	6561.81	8693.62	6858.42	-6124.10	1681600.23	14233644.95	39°11'48.6721"N	80°51'16.6864"W	9194.70	318.237	0.65	-0.42	-0.49	
15853.00	88.800	338.010	6563.80	8787.59	6945.55	-6159.32	1681565.02	14233732.05	39°11'49.5339"N	80°51'17.1319"W	9283.20	318.433	0.05	0.03	0.04	
15948.00	88.580	338.200	6565.98	8882.56	7033.67	-6194.74	1681529.82	14233820.14	39°11'50.4054"N	80°51'17.5800"W	9372.69	318.629	0.31	-0.23	0.20	
16043.00	88.830	338.150	6568.12	8977.52	7121.84	-6230.05	1681494.32	14233908.27	39°11'51.2774"N	80°51'18.0267"W	9462.25	318.821	0.27	0.26	-0.05	
16137.00	89.510	338.300	6569.48	9071.50	7209.13	-6264.91	1681459.47	14233995.52	39°11'52.1407"N	80°51'18.4678"W	9550.95	319.008	0.74	0.72	0.16	

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect	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
16232.00	89.480	338.360	6570.32	9166.47	7297.41	-6299.99	1681424.41	14234083.76	39°11'53.0138"N	80°51'18.9116"W	9640.65	319.105	0.07	-0.03	0.06	
16327.00	89.540	338.030	6571.13	9261.46	7385.61	-6335.28	1681389.13	14234171.93	39°11'53.8861"N	80°51'19.3580"W	9730.52	319.377	0.35	0.08	-0.39	
16422.00	89.570	338.070	6571.87	9356.44	7473.72	-6370.79	1681353.64	14234260.00	39°11'54.7576"N	80°51'19.8073"W	9820.58	319.555	0.05	0.03	0.04	
16516.00	89.660	338.050	6572.50	9450.43	7560.91	-6405.91	1681318.53	14234347.16	39°11'55.6199"N	80°51'20.2516"W	9909.74	319.727	0.10	0.10	-0.02	
16611.00	89.820	338.140	6572.94	9545.42	7649.05	-6441.35	1681283.10	14234435.26	39°11'56.4916"N	80°51'20.7000"W	9999.95	319.899	0.19	0.17	0.09	
16706.00	89.780	338.030	6573.27	9640.41	7737.18	-6476.81	1681247.86	14234523.36	39°11'57.3633"N	80°51'21.1486"W	10090.24	320.067	0.12	-0.04	-0.12	
16800.00	89.630	338.210	6573.75	9734.40	7824.41	-6511.83	1681212.65	14234610.56	39°11'58.2260"N	80°51'21.5918"W	10179.66	320.231	0.25	-0.16	0.19	
16895.00	89.570	338.250	6574.41	9829.38	7912.63	-6547.07	1681177.43	14234698.74	39°11'59.0985"N	80°51'22.0375"W	10270.05	320.395	0.08	-0.06	0.04	
16990.00	88.890	338.010	6575.69	9924.36	8000.79	-6582.45	1681142.06	14234786.86	39°11'59.9704"N	80°51'22.4852"W	10360.56	320.555	0.76	-0.73	-0.25	
17084.00	89.050	337.250	6577.38	10018.34	8087.70	-6618.22	1681106.30	14234873.74	39°12'0.8300"N	80°51'22.9378"W	10450.44	320.708	0.83	0.17	-0.81	
17179.00	89.690	337.150	6578.43	10113.34	8175.27	-6655.03	1681069.51	14234961.28	39°12'1.6961"N	80°51'23.4037"W	10541.56	320.853	0.60	0.67	-0.11	
17274.00	88.800	336.000	6579.68	10208.32	8262.43	-6692.80	1681031.76	14235048.40	39°12'2.5581"N	80°51'23.8816"W	10633.03	320.992	1.53	-0.94	-1.21	
17369.00	89.780	337.170	6580.85	10303.30	8349.60	-6730.54	1680994.03	14235135.53	39°12'3.4203"N	80°51'24.3593"W	10724.55	321.128	1.61	1.03	1.23	
17463.00	89.600	336.760	6581.36	10397.30	8436.10	-6767.32	1680957.26	14235222.00	39°12'4.2759"N	80°51'24.8248"W	10815.01	321.264	0.48	-0.19	-0.44	
17558.00	89.720	337.210	6581.93	10492.30	8523.54	-6804.47	1680920.13	14235309.40	39°12'5.1406"N	80°51'25.2948"W	10906.49	321.399	0.49	0.13	0.47	
17653.00	89.750	336.770	6582.37	10587.30	8610.98	-6841.60	1680883.01	14235396.81	39°12'6.0055"N	80°51'25.7648"W	10998.02	321.532	0.48	0.03	-0.46	
17748.00	89.750	337.190	6582.78	10682.29	8698.41	-6878.75	1680845.88	14235484.21	39°12'6.8702"N	80°51'26.2349"W	11089.62	321.663	0.44	0.00	0.44	
17842.00	89.750	336.960	6583.19	10776.29	8784.99	-6915.35	1680809.29	14235570.76	39°12'7.7266"N	80°51'26.6861"W	11180.26	321.791	0.22	0.00	-0.22	
17937.00	89.630	336.970	6583.70	10871.29	8872.43	-6952.51	1680772.15	14235658.15	39°12'8.5913"N	80°51'27.1684"W	11271.97	321.917	0.13	-0.13	-0.01	
18031.00	89.720	336.740	6584.24	10965.29	8958.86	-6989.45	1680735.22	14235744.55	39°12'9.4462"N	80°51'27.6360"W	11362.82	322.040	0.26	0.10	-0.24	
18126.00	89.600	336.760	6584.80	11060.28	9046.14	-7026.95	1680697.73	14235831.80	39°12'10.3094"N	80°51'28.1105"W	11454.73	322.160	0.13	-0.13	0.02	
18221.00	89.230	336.850	6585.77	11155.27	9133.46	-7064.37	1680660.33	14235919.08	39°12'11.1730"N	80°51'28.5841"W	11546.66	322.279	0.40	-0.39	0.09	
18315.00	89.380	337.350	6586.91	11249.27	9220.04	-7100.94	1680623.77	14236005.63	39°12'12.0294"N	80°51'29.0470"W	11637.55	322.398	0.56	0.16	0.53	
18410.00	89.290	336.820	6588.01	11344.26	9307.54	-7137.93	1680586.80	14236093.09	39°12'12.8948"N	80°51'29.5151"W	11729.46	322.515	0.57	-0.09	-0.56	
18504.00	89.170	336.820	6589.28	11438.25	9393.94	-7174.93	1680549.82	14236179.46	39°12'13.7493"N	80°51'29.9834"W	11820.56	322.628	0.13	-0.13	0.00	
18599.00	89.230	337.160	6590.60	11533.24	9481.38	-7212.06	1680512.70	14236266.86	39°12'14.6141"N	80°51'30.4533"W	11912.61	322.741	0.36	0.06	0.36	
18694.00	89.140	336.900	6591.96	11628.23	9568.83	-7249.13	1680475.65	14236354.28	39°12'15.4791"N	80°51'30.9225"W	12004.68	322.853	0.29	-0.09	-0.27	
18789.00	89.420	337.460	6593.15	11723.22	9656.39	-7285.97	1680438.82	14236441.80	39°12'16.3451"N	80°51'31.3888"W	12096.75	322.965	0.66	0.29	0.59	
18883.00	89.290	337.040	6594.21	11817.21	9743.07	-7322.32	1680402.49	14236528.45	39°12'17.2024"N	80°51'31.8488"W	12187.85	323.074	0.47	-0.14	-0.45	
18978.00	89.290	337.000	6595.38	11912.20	9830.53	-7359.40	1680365.42	14236615.87	39°12'18.0673"N	80°51'32.3182"W	12280.07	323.180	0.04	0.00	-0.04	

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH DATA (227 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
19073.00	89.140	336.840	6596.69	12007.19	9917.91	-7396.64	1680328.19	14236703.22	39°12'18.9316"N	80°51'32.7895"W	12372.36	323.285	0.23	-0.16	-0.17	
19262.00	89.350	336.950	6599.18	12196.17	10091.74	-7470.80	1680254.06	14236876.98	39°12'20.6508"N	80°51'33.7281"W	12556.12	323.488	0.13	0.11	0.06	
19357.00	89.260	337.070	6600.33	12291.17	10179.19	-7507.90	1680216.97	14236964.39	39°12'21.5157"N	80°51'34.1977"W	12648.50	323.588	0.16	-0.09	0.13	
19452.00	89.260	337.240	6601.56	12386.16	10266.73	-7544.78	1680180.11	14237051.90	39°12'22.3815"N	80°51'34.6645"W	12740.86	323.689	0.18	0.00	0.18	
19546.00	89.290	336.930	6602.75	12480.15	10353.30	-7581.38	1680143.53	14237138.44	39°12'23.2378"N	80°51'35.1277"W	12832.31	323.786	0.33	0.03	-0.33	
19641.00	89.260	337.120	6603.95	12575.14	10440.76	-7618.46	1680106.46	14237225.86	39°12'24.1028"N	80°51'35.5970"W	12924.80	323.882	0.20	-0.03	0.20	
19830.00	89.200	337.120	6606.49	12764.12	10614.87	-7691.94	1680033.02	14237399.90	39°12'25.8248"N	80°51'36.5270"W	13108.83	324.072	0.03	-0.03	0.00	
19925.00	89.230	337.220	6607.79	12859.12	10702.42	-7728.79	1679996.17	14237487.42	39°12'26.6907"N	80°51'36.9935"W	13201.37	324.165	0.11	0.03	0.11	
20019.00	89.260	337.160	6609.03	12953.11	10789.06	-7765.23	1679959.75	14237574.03	39°12'27.5476"N	80°51'37.4547"W	13292.96	324.256	0.07	0.03	-0.06	
20114.00	89.260	337.040	6610.25	13048.10	10876.57	-7802.19	1679922.80	14237661.50	39°12'28.4130"N	80°51'37.9226"W	13385.59	324.347	0.13	0.00	-0.13	
20208.00	92.090	337.420	6609.15	13142.08	10963.23	-7838.57	1679886.44	14237748.12	39°12'29.2701"N	80°51'38.3830"W	13477.22	324.436	3.04	3.01	0.40	
20303.00	89.230	336.830	6608.05	13237.07	11050.74	-7875.49	1679849.53	14237835.60	39°12'30.1357"N	80°51'38.8503"W	13569.90	324.524	3.07	-3.01	-0.62	
20397.00	89.350	337.390	6609.22	13331.06	11137.33	-7912.05	1679812.99	14237922.15	39°12'30.9921"N	80°51'39.3131"W	13661.65	324.610	0.61	0.13	0.60	
20492.00	89.780	337.260	6609.94	13426.06	11224.99	-7948.67	1679776.38	14238009.77	39°12'31.8590"N	80°51'39.7766"W	13754.34	324.697	0.47	0.45	-0.14	
20586.00	90.920	337.710	6609.36	13520.05	11311.82	-7984.67	1679740.40	14238096.57	39°12'32.7178"N	80°51'40.2322"W	13846.02	324.783	1.30	1.21	0.48	
20653.00	89.630	337.360	6609.04	13587.05	11373.73	-8010.27	1679714.81	14238158.46	39°12'33.3301"N	80°51'40.5562"W	13911.37	324.844	1.99	-1.93	-0.52	
20678.00†	89.630	337.360	6609.20	13612.05	11396.81	-8019.89	1679705.19	14238181.52	39°12'33.5583"N	80°51'40.6780"W	13935.78	324.866	0.00	0.00	0.00	Projected MD at TD: 20678'

DIRECTIONAL DIFFICULTY INDEX			
Directional Difficulty Index @ TD = 7.13		Reference: IADC/SPE 59196	
Values	Wellpath characterized as:	Values	Wellpath characterized as:
< 6.0	Relatively short or simple profiles with low tortuosity	6.4-6.8	Longer with relatively tortuous well paths
< 6.0-6.4	Shorter with high tortuosity or longer with lower tortuosity	> 6.8	Long tortuous profiles, high degree of difficulty

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Actual Wellpath Report

Farley Unit 1H AWP Proj: 20678'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

HOLE & CASING SECTIONS - Ref Wellbore: Farley Unit 1H AWB Ref Wellpath: Farley Unit 1H AWP Proj: 20678'

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	-0.62	0.24
17.5in Open Hole	125.50	452.00	326.50	125.50	451.99	-0.62	0.24	-2.66	0.97
13.375in Casing Surface	25.50	432.00	406.50	25.50	431.99	0.00	0.00	-2.59	0.97
12.25in Open Hole	452.00	3129.00	2677.00	451.99	2938.23	-2.66	0.97	-446.55	-709.29
9.625in Casing Intermediate	25.50	3099.00	3073.50	25.50	2913.07	0.00	0.00	-439.12	-694.75
8.75in Open Hole	3129.00	6242.00	3113.00	2938.23	5542.71	-446.55	-709.29	-1134.93	-2266.35
8.5in Open Hole	6242.00	20678.00	14436.00	5542.71	6609.20	-1134.93	-2266.35	11396.81	-8019.89
5.5in Casing Production	25.50	20658.00	20632.50	25.50	6609.08	0.00	0.00	11378.35	-8012.19

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Farley Unit 1H POE Rev-3	6481.00	-552.89	-3014.87	1684708.21	14226236.60	39°10'35.3684"N	80°50'37.3560"W	point
Farley Unit 1H BHL Rev-3	6506.00	11344.75	-8005.65	1679719.43	14238129.49	39°12'33.0436"N	80°51'40.4981"W	point
Farley Unit 1H LP Rev-3	6506.00	-352.71	-3098.84	1684624.27	14226436.70	39°10'37.3484"N	80°50'38.4179"W	point
Farley Unit 1H 50' L/R Hard Line	6750.00	5395.93	-5510.26	1682213.82	14232183.04	39°11'34.2072"N	80°51'8.9198"W	rectangle
2D Rectangle 12902 x 100.								

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Farley Unit 1H AWP Proj: 20678'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

WELLPATH COMPOSITION - Ref Wellbore: Farley Unit 1H AWB Ref Wellpath: Farley Unit 1H AWP Proj: 20678'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	440.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-440')	Farley Unit 1H AWB	1/18/2025
440.00	3051.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (440')(568'-3051')	Farley Unit 1H AWB	1/18/2025
3051.00	6170.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (3051')(3132'-6170')	Farley Unit 1H AWB	1/18/2025
6170.00	20678.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04 BH Lucida <8-1/2"> (6170')(6289'-20653')	Farley Unit 1H AWB	1/18/2025

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Farley Unit 1H AWP Proj: 20678'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 1H
Field	Doddridge	API	47-017-06970-0000
Facility	Locke Pad	Wellbore	Farley Unit 1H AWB
Slot	Slot H		

COMMENTS	
Wellpath general comments API: 47-017-06970-0000 BH Job #: 112542262 Rig: H&P 317 Duration: 1/18/2025-1/26/2025 Gyrodata MS Gyro <17-1/2"> (100'-440') APS EM <12-1/4"> (440')(568'-3051') APS EM <8-3/4"> (3051')(3132'-6170') BH Lucida <8-1/2"> (6170')(6289'-20653') Sycamore: 6943' MD Middlesex: 7219' MD Burkett: 7467' MD Tully: 7622' MD Marcellus POE: 7725' MD Projected MD at TD: 20678'	

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