



ANTERO RESOURCES CORPORATION

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

Slot: Slot I
Well: Farley Unit 2H
Wellbore: Farley Unit 2H PWB

Easting (ft)



Plot reference wellpath is Farley Unit 2H PWB Rev-B.0	Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 317 (RKB)	North Reference: Grid North
Reference wellpath measured depths are referenced to H&P 317 (RKB)	Scale: True distance
H&P 317 (RKB) to Mean Sea Level: 1125.5 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot I): -1100 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by enterpriser on 2025-02-18, Database: VIA MPL, EASTERNUS, Data

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Locke Pad	1687522.330	14226577.530	39°10'38.6900"N	80°50'1.5909"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Slot I	222.97	209.85	1687732.100	14226800.410	39°10'40.8900"N
Comment	Farley Unit 2H				
H&P 317 (RKB) to Ground level (At Slot: Slot I)	25.5 ft				
Mean Sea Level to Ground level (At Slot: Slot I)	-1100 ft				
H&P 317 (RKB) to Mean Sea Level	1125.5 ft				

Well Data			
Slot	Well	Wellbore	Wellpath
Slot I	Farley Unit 2H	Farley Unit 2H AWP	Farley Unit 2H AWP Proj: 19671'
Slot I	Farley Unit 2H	Farley Unit 2H PWB	Farley Unit 2H PWB Rev-B.0

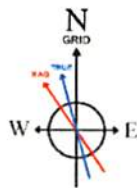
Gyrodata MS Gyro <17-1/2"> (100'-400') : 0.21" Inc, 100.00ft MD, 100.00ft TVD, 0.08ft VS

Gyrodata MS Gyro <12-1/4"> (400')(500'-535') : 0.17" Inc, 500.00ft MD, 500.00ft TVD, -0.68ft VS
APS EM <12-1/4"> (535')(568'-2962') : 0.26" Inc, 568.00ft MD, 568.00ft TVD, -0.79ft VS

Well Profile Data

Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	2962.00	20.300	263.390	2855.17	1.05	-656.10	1.75	255.33
Proj. to Bottom	3040.00	20.300	263.390	2928.32	-2.06	-682.98	0.00	262.88
Drill Out	3120.00	20.300	263.390	3003.35	-5.26	-710.56	0.00	270.62
Turn	3164.86	20.707	265.673	3045.37	-6.75	-726.19	2.00	275.30
Hold	4458.80	20.707	265.673	4255.73	-41.27	-1182.41	0.00	420.35
End of 3D Arc	4869.12	27.503	254.289	4630.25	-72.45	-1346.23	2.00	455.12
Curve KOP	6278.02	27.503	254.289	5879.92	-248.63	-1972.56	0.00	535.53
POE	7163.53	72.014	337.188	6489.00	134.25	-2386.82	8.00	1049.07
Landing Pt	7343.40	80.000	337.188	6517.00	297.34	-2455.42	10.00	1225.99
BH	19572.33	80.000	337.188	6517.00	11569.77	-7196.63	0.00	13454.93

APS EM <8-3/4"> (2962')(3036'-6174') : 20.04" Inc, 3036.00ft MD, 2924.63ft TVD, 262.03ft VS



User specified (HOGM) Dip: 65.66° Field: 51156 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"> (6174')(6225'-19646') : 25.96" Inc, 6225.00ft MD, 5835.82ft TVD, 538.89ft VS

Marcellus POE: 7136' MD : 73.11" Inc, 7136.00ft MD, 6482.85ft TVD, 1006.29ft VS

API: 47-017-06971-0000
BH Job #: 112542264
Rig: H&P 317
Duration: 1/28/2025-2/1/2025

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Marcellus POE: 7136' MD : 6482.85ft TVD, 87.88ft N, 2386.75ft W
BH Lucida <8-1/2"> (6174')(6225'-19646') : 5835.82ft TVD, 234.55ft S, 1947.73ft W
APS EM <8-3/4"> (2962')(3036'-6174') : 2924.63ft TVD, 2.31ft S, 681.39ft W
APS EM <12-1/4"> (535')(568'-2962') : 568.00ft TVD, 0.23ft S, 1.48ft E
Gyrodata MS Gyro <12-1/4"> (400')(500'-535') : 500.00ft TVD, 0.22ft S, 1.23ft E
Gyrodata MS Gyro <17-1/2"> (100'-400') : 100.00ft TVD, 0.12ft N, 0.07ft E

Projected MD at TD: 19671' : 89.32" Inc, 19671.00ft MD, 6612.47ft TVD, 13537.05ft VS

Vertical Section (ft)
Azimuth 337.19° with reference 0.00 N, 0.00 E



Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

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	2/18/2025 at 2:02:47 AM
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	222.97	209.85	1687732.10	14226800.41	39°10'40.8900"N	80°49'58.9300"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 I)	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	337.19°

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REFERENCE WELLPATH IDENTIFICATION

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Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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	30.580	0.00	0.00	0.00	0.00	1687732.10	14226800.41	39°10'40.8900"N	80°49'58.9300"W	0.00	0.000	0.00	0.00	0.00	
25.50	0.000	30.580	25.50	0.00	0.00	0.00	1687732.10	14226800.41	39°10'40.8900"N	80°49'58.9300"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.210	30.580	100.00	0.08	0.12	0.07	1687732.17	14226800.53	39°10'40.8912"N	80°49'58.9291"W	0.14	30.580	0.28	0.28	0.00	Gyrodata MS Gyro <17-1/2"> (100'-400')
200.00	0.220	116.150	200.00	0.05	0.19	0.34	1687732.43	14226800.60	39°10'40.8919"N	80°49'58.9257"W	0.39	60.351	0.29	0.01	85.57	
300.00	0.210	132.490	300.00	-0.27	-0.02	0.64	1687732.74	14226800.39	39°10'40.8898"N	80°49'58.9218"W	0.64	91.578	0.06	-0.01	16.34	
400.00	0.200	86.010	400.00	-0.49	-0.13	0.95	1687733.05	14226800.28	39°10'40.8887"N	80°49'58.9179"W	0.96	97.739	0.16	-0.01	-46.48	
500.00	0.170	133.570	500.00	-0.68	-0.22	1.23	1687733.33	14226800.19	39°10'40.8878"N	80°49'58.9143"W	1.25	100.089	0.15	-0.03	47.56	Gyrodata MS Gyro <12-1/4"> (400')(500'-535')
535.00	0.280	65.700	535.00	-0.73	-0.22	1.35	1687733.45	14226800.19	39°10'40.8878"N	80°49'58.9128"W	1.37	99.265	0.76	0.31	-193.91	
568.00	0.260	123.880	568.00	-0.79	-0.23	1.48	1687733.58	14226800.18	39°10'40.8877"N	80°49'58.9111"W	1.50	98.754	0.80	-0.06	176.30	APS EM <12-1/4"> (535')(568'-2962')
658.00	1.170	294.100	657.99	-0.29	0.03	0.82	1687732.91	14226800.44	39°10'40.8903"N	80°49'58.9196"W	0.82	87.698	1.59	1.01	189.13	
748.00	3.220	278.950	747.92	1.72	0.80	-2.52	1687729.58	14226801.21	39°10'40.8980"N	80°49'58.9619"W	2.65	287.635	2.35	2.28	-16.83	
839.00	5.410	276.140	838.66	5.14	1.66	-9.31	1687722.79	14226802.07	39°10'40.9066"N	80°49'59.0482"W	9.46	280.095	2.42	2.41	-3.09	
929.00	8.200	275.600	928.02	10.25	2.74	-19.92	1687712.19	14226803.15	39°10'40.9174"N	80°49'59.1828"W	20.11	277.827	3.10	3.10	-0.60	
1020.00	11.030	275.700	1017.73	17.49	4.24	-35.04	1687697.07	14226804.64	39°10'40.9325"N	80°49'59.3748"W	35.30	276.893	3.11	3.11	0.11	
1115.00	13.320	278.210	1110.59	27.47	6.70	-54.92	1687677.20	14226807.11	39°10'40.9572"N	80°49'59.6272"W	55.33	276.957	2.47	2.41	2.64	
1209.00	15.740	277.570	1201.57	39.50	9.93	-78.28	1687653.85	14226810.33	39°10'40.9896"N	80°49'59.9237"W	78.91	277.228	2.58	2.57	-0.68	
1304.00	17.850	276.910	1292.52	53.24	13.38	-105.51	1687626.63	14226813.78	39°10'41.0241"N	80°50'0.2694"W	106.36	277.226	2.23	2.22	-0.69	
1399.00	20.260	275.980	1382.30	68.38	16.84	-136.33	1687595.83	14226817.25	39°10'41.0590"N	80°50'0.6607"W	137.36	277.043	2.56	2.54	-0.98	
1493.00	21.280	272.170	1470.20	83.42	19.19	-169.56	1687562.61	14226819.59	39°10'41.0827"N	80°50'1.0827"W	170.64	276.455	1.80	1.09	-4.05	
1588.00	20.260	267.920	1559.03	96.52	19.24	-203.23	1687528.95	14226819.64	39°10'41.0839"N	80°50'1.5102"W	204.14	275.409	1.91	-1.07	-4.47	
1683.00	18.830	265.730	1648.55	107.22	17.50	-234.96	1687497.24	14226817.91	39°10'41.0673"N	80°50'1.9131"W	235.61	274.260	1.69	-1.51	-2.31	
1777.00	18.020	263.340	1737.73	116.09	14.69	-264.53	1687467.68	14226815.09	39°10'41.0400"N	80°50'2.2887"W	264.93	273.178	1.18	-0.86	-2.54	
1872.00	17.600	267.150	1828.18	125.08	12.27	-293.47	1687438.75	14226812.67	39°10'41.0166"N	80°50'2.6562"W	293.72	272.394	1.30	-0.44	4.01	
1967.00	17.050	269.170	1918.87	135.20	11.35	-321.74	1687410.49	14226811.76	39°10'41.0080"N	80°50'3.0152"W	321.94	272.021	0.86	-0.58	2.13	
2061.00	16.210	268.390	2008.94	145.10	10.78	-348.63	1687383.60	14226811.19	39°10'41.0029"N	80°50'3.3568"W	348.80	271.772	0.92	-0.89	-0.83	
2156.00	16.320	269.120	2100.14	154.88	10.21	-375.24	1687357.01	14226810.61	39°10'40.9977"N	80°50'3.6946"W	375.37	271.558	0.24	0.12	0.77	
2250.00	18.390	271.360	2189.86	165.88	10.36	-403.27	1687328.99	14226810.76	39°10'40.9997"N	80°50'4.0505"W	403.40	271.471	2.31	2.20	2.38	
2345.00	21.110	274.040	2279.26	179.75	11.92	-435.32	1687296.95	14226812.32	39°10'41.0157"N	80°50'4.4575"W	435.48	271.568	3.02	2.86	2.82	
2440.00	21.740	271.200	2367.70	194.63	13.49	-469.98	1687262.31	14226813.90	39°10'41.0319"N	80°50'4.8976"W	470.17	271.644	1.28	0.66	-2.99	
2534.00	21.240	268.590	2455.17	207.93	13.44	-504.40	1687227.90	14226813.84	39°10'41.0319"N	80°50'5.3347"W	504.58	271.526	1.15	-0.53	-2.78	

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Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
2629.00	20.640	264.640	2543.90	219.23	11.45	-538.28	1687194.04	14226811.85	39°10'41.0129°N	80°50'5.7649°W	538.40	271.218	1.61	-0.63	-4.16	
2723.00	20.510	263.350	2631.90	228.78	7.99	-571.13	1687161.20	14226808.40	39°10'40.9793°N	80°50'6.1822°W	571.19	270.802	0.50	-0.14	-1.37	
2818.00	21.510	266.450	2720.59	239.16	4.99	-605.05	1687127.29	14226805.40	39°10'40.9502°N	80°50'6.6129°W	605.07	270.472	1.57	1.05	3.26	
2912.00	20.580	265.760	2808.32	250.11	2.70	-638.72	1687093.63	14226803.11	39°10'40.9282°N	80°50'7.0406°W	638.73	270.242	1.02	-0.99	-0.73	
2962.00	20.300	263.390	2855.17	255.33	1.05	-656.10	1687076.26	14226801.46	39°10'40.9123°N	80°50'7.2614°W	656.10	270.092	1.75	-0.56	-4.74	
3036.00	20.040	261.450	2924.63	262.03	-2.31	-681.39	1687050.98	14226798.10	39°10'40.8795°N	80°50'7.5826°W	681.40	269.806	0.97	-0.35	-2.62	APS EM <8-3/4"> (2962')(3036'-6174')
3131.00	19.840	263.430	3013.94	270.55	-6.58	-713.51	1687018.88	14226793.84	39°10'40.8379°N	80°50'7.9904°W	713.54	269.472	0.74	-0.21	2.08	
3229.00	20.460	266.160	3105.94	280.77	-9.63	-747.12	1686985.28	14226790.79	39°10'40.8083°N	80°50'8.4173°W	747.18	269.262	1.15	0.63	2.79	
3324.00	22.140	267.720	3194.45	292.44	-11.45	-781.57	1686950.84	14226788.96	39°10'40.7909°N	80°50'8.8549°W	781.66	269.161	1.87	1.77	1.64	
3419.00	21.930	266.460	3282.51	304.58	-13.26	-817.17	1686915.26	14226787.16	39°10'40.7737°N	80°50'9.3069°W	817.28	269.071	0.54	-0.22	-1.33	
3514.00	20.660	263.610	3371.02	315.17	-16.22	-851.53	1686880.91	14226784.20	39°10'40.7451°N	80°50'9.7434°W	851.69	268.909	1.72	-1.34	-3.00	
3609.00	21.000	264.310	3459.81	324.92	-19.77	-885.12	1686847.33	14226780.65	39°10'40.7105°N	80°50'10.1700°W	885.35	268.720	0.44	0.36	0.74	
3704.00	21.250	263.410	3548.43	334.74	-23.43	-919.17	1686813.30	14226776.98	39°10'40.6749°N	80°50'10.6024°W	919.46	268.540	0.43	0.26	-0.95	
3799.00	20.920	264.190	3637.07	344.50	-27.13	-953.14	1686779.34	14226773.29	39°10'40.6390°N	80°50'11.0339°W	953.53	268.370	0.46	-0.35	0.82	
3894.00	21.640	266.550	3725.59	355.27	-29.90	-987.50	1686744.99	14226770.52	39°10'40.6123°N	80°50'11.4703°W	987.95	268.266	1.18	0.76	2.48	
3989.00	20.790	263.720	3814.16	365.87	-32.80	-1021.75	1686710.76	14226767.63	39°10'40.5842°N	80°50'11.9052°W	1022.27	268.162	1.40	-0.89	-2.98	
4084.00	20.000	263.090	3903.20	375.12	-36.60	-1054.63	1686677.89	14226763.83	39°10'40.5473°N	80°50'12.3229°W	1055.27	268.013	0.86	-0.83	-0.66	
4179.00	20.480	262.170	3992.34	383.87	-40.81	-1087.23	1686645.31	14226759.61	39°10'40.5062°N	80°50'12.7368°W	1087.99	267.850	0.61	0.51	-0.97	
4274.00	20.710	262.690	4081.26	392.65	-45.22	-1120.35	1686612.20	14226755.21	39°10'40.4632°N	80°50'13.1576°W	1121.26	267.689	0.31	0.24	0.55	
4368.00	20.840	264.490	4169.15	402.07	-48.94	-1153.48	1686579.08	14226751.49	39°10'40.4271°N	80°50'13.5784°W	1154.52	267.571	0.69	0.14	1.91	
4463.00	22.130	263.380	4257.55	412.08	-52.62	-1188.08	1686544.50	14226747.81	39°10'40.3912°N	80°50'14.0178°W	1189.24	267.464	1.42	1.36	-1.17	
4558.00	23.470	260.600	4345.13	421.46	-57.77	-1224.52	1686508.07	14226742.66	39°10'40.3410°N	80°50'14.4806°W	1225.88	267.299	1.81	1.41	-2.93	
4652.00	25.440	257.070	4430.69	429.27	-65.35	-1262.67	1686469.94	14226735.09	39°10'40.2667°N	80°50'14.9652°W	1264.36	267.037	2.61	2.10	-3.76	
4747.00	26.000	255.790	4516.28	435.88	-75.03	-1302.74	1686429.88	14226725.41	39°10'40.1718°N	80°50'15.4743°W	1304.90	266.704	0.83	0.59	-1.35	
4842.00	25.700	256.450	4601.78	442.31	-84.97	-1342.95	1686389.68	14226715.48	39°10'40.0743°N	80°50'15.9852°W	1345.64	266.380	0.44	-0.32	0.69	
4936.00	26.810	256.650	4686.08	449.07	-94.64	-1383.40	1686349.26	14226705.81	39°10'39.9794°N	80°50'16.4989°W	1386.63	266.087	1.18	1.18	0.21	
5034.00	26.490	255.780	4773.67	455.97	-105.11	-1426.09	1686306.58	14226695.34	39°10'39.8767°N	80°50'17.0413°W	1429.95	265.785	0.51	-0.33	-0.89	
5129.00	27.860	256.840	4858.18	462.86	-115.37	-1468.24	1686264.45	14226685.09	39°10'39.7760°N	80°50'17.5768°W	1472.77	265.507	1.53	1.44	1.12	
5224.00	29.210	256.200	4941.64	470.21	-125.95	-1512.37	1686220.34	14226674.51	39°10'39.6722°N	80°50'18.1374°W	1517.60	265.239	1.46	1.42	-0.67	
5319.00	29.290	256.220	5024.52	477.49	-137.02	-1557.45	1686175.27	14226663.45	39°10'39.5636°N	80°50'18.7101°W	1563.46	264.972	0.08	0.08	0.02	

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Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
5414.00	28.850	257.870	5107.56	485.38	-147.37	-1602.43	1686130.31	14226653.10	39°10'39.4621"N	80°50'19.2815"W	1609.19	264.746	0.96	-0.46	1.74	
5509.00	26.910	255.320	5191.53	492.67	-157.63	-1645.64	1686087.12	14226642.84	39°10'39.3614"N	80°50'19.8304"W	1653.17	264.528	2.40	-2.04	-2.68	
5604.00	26.350	254.310	5276.45	498.32	-168.78	-1686.73	1686046.04	14226631.70	39°10'39.2519"N	80°50'20.3525"W	1695.15	264.286	0.76	-0.59	-1.06	
5699.00	25.610	255.590	5361.85	503.94	-179.59	-1726.92	1686005.87	14226620.89	39°10'39.1458"N	80°50'20.8630"W	1736.23	264.063	0.98	-0.78	1.35	
5794.00	24.440	257.280	5447.93	510.38	-189.03	-1765.97	1685966.83	14226611.46	39°10'39.0532"N	80°50'21.3591"W	1776.06	263.890	1.44	-1.23	1.78	
5889.00	23.860	258.680	5534.62	517.65	-197.13	-1803.98	1685928.84	14226603.36	39°10'38.9738"N	80°50'21.8420"W	1814.72	263.764	0.86	-0.61	1.47	
5984.00	25.420	258.710	5620.97	525.55	-204.89	-1842.82	1685890.01	14226595.60	39°10'38.8977"N	80°50'22.3353"W	1854.18	263.656	1.64	1.64	0.03	
6079.00	27.320	255.600	5706.08	532.81	-214.31	-1883.94	1685848.91	14226586.19	39°10'38.8054"N	80°50'22.8577"W	1896.09	263.510	2.47	2.00	-3.27	
6174.00	27.770	251.270	5790.32	537.57	-226.84	-1926.02	1685806.85	14226573.66	39°10'38.6823"N	80°50'23.3923"W	1939.33	263.283	2.16	0.47	-4.56	
6225.00	25.960	249.580	5835.82	538.89	-234.55	-1947.73	1685785.15	14226565.96	39°10'38.6065"N	80°50'23.6682"W	1961.80	263.133	3.85	-3.55	-3.31	BH Lucida <8-1/2"> (6174')(6225'-19646')
6291.00	27.760	255.070	5894.70	541.60	-243.55	-1976.13	1685756.76	14226556.96	39°10'38.5180"N	80°50'24.0290"W	1991.08	262.974	4.64	2.73	8.32	
6386.00	28.760	268.770	5978.47	553.05	-249.75	-2020.40	1685712.50	14226550.76	39°10'38.4575"N	80°50'24.5913"W	2035.78	262.953	6.90	1.05	14.42	
6480.00	30.190	280.540	6060.37	574.38	-245.91	-2066.29	1685666.64	14226554.60	39°10'38.4963"N	80°50'25.1739"W	2080.87	263.213	6.34	1.52	12.52	
6546.00†	32.583	288.516	6116.73	595.25	-237.22	-2099.47	1685633.46	14226563.28	39°10'38.5827"N	80°50'25.5951"W	2112.83	263.553	7.26	3.63	12.08	Sycamore: 6546' MD
6575.00	33.780	291.680	6141.00	606.05	-231.76	-2114.37	1685618.57	14226568.74	39°10'38.6369"N	80°50'25.7842"W	2127.04	263.745	7.26	4.13	10.91	
6670.00	39.090	302.680	6217.49	649.32	-205.79	-2164.21	1685568.75	14226594.70	39°10'38.8945"N	80°50'26.4165"W	2173.97	264.568	8.84	5.59	11.58	
6765.00	42.580	311.810	6289.42	703.10	-168.14	-2213.44	1685519.55	14226632.33	39°10'39.2674"N	80°50'27.0407"W	2219.81	265.656	7.27	3.67	9.61	
6780.00†	43.908	313.153	6300.35	712.44	-161.20	-2221.01	1685511.97	14226639.27	39°10'39.3361"N	80°50'27.1368"W	2226.86	265.849	10.77	8.85	8.95	Middlesex: 6780' MD
6859.00	51.120	319.290	6353.70	766.82	-119.08	-2261.13	1685471.88	14226681.38	39°10'39.7532"N	80°50'27.6452"W	2264.26	266.985	10.77	9.13	7.77	
6954.00	59.030	324.980	6408.07	841.97	-57.57	-2308.72	1685424.30	14226742.87	39°10'40.3620"N	80°50'28.2482"W	2309.44	268.572	9.66	8.33	5.99	
6958.00†	59.301	325.286	6410.12	845.33	-54.75	-2310.68	1685422.34	14226745.68	39°10'40.3899"N	80°50'28.2730"W	2311.33	268.643	9.43	6.78	7.64	Burkett: 6958' MD
7049.00	65.640	331.820	6452.20	925.03	14.08	-2352.62	1685380.42	14226814.48	39°10'41.0709"N	80°50'28.8040"W	2352.66	270.343	9.43	6.97	7.18	
7050.00†	65.724	331.899	6452.61	925.94	14.88	-2353.05	1685379.99	14226815.28	39°10'41.0788"N	80°50'28.8094"W	2353.09	270.362	11.11	8.43	7.93	Tully: 7050' MD
7136.00†	73.109	338.378	6482.85	1006.29	87.88	-2386.75	1685346.30	14226888.25	39°10'41.8009"N	80°50'29.2358"W	2388.37	272.109	11.11	8.59	7.53	Marcellus POE: 7136' MD
7143.00	73.720	338.880	6484.85	1013.00	94.12	-2389.19	1685343.86	14226894.50	39°10'41.8627"N	80°50'29.2667"W	2391.05	272.256	11.11	8.73	7.17	
7238.00	83.370	338.840	6503.69	1105.95	180.86	-2422.73	1685310.33	14226981.20	39°10'42.7206"N	80°50'29.6906"W	2429.47	274.269	10.16	10.16	-0.04	
7333.00	90.120	337.980	6509.08	1200.72	269.00	-2457.61	1685275.47	14227069.30	39°10'43.5923"N	80°50'30.1316"W	2472.29	276.247	7.16	7.11	-0.91	
7428.00	90.580	337.920	6508.50	1295.71	357.05	-2493.28	1685239.82	14227157.32	39°10'44.4632"N	80°50'30.5826"W	2518.71	278.150	0.49	0.48	-0.06	
7522.00	90.430	338.100	6507.68	1389.70	444.21	-2528.47	1685204.64	14227244.44	39°10'45.3253"N	80°50'31.0276"W	2567.20	279.964	0.25	-0.16	0.19	
7617.00	90.550	337.970	6506.86	1484.69	532.31	-2564.01	1685169.12	14227332.51	39°10'46.1967"N	80°50'31.4768"W	2618.68	281.728	0.19	0.13	-0.14	

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Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
7712.00	90.460	338.100	6506.03	1579.67	620.41	-2599.54	1685133.60	14227420.57	39°10'47.0681"N	80°50'31.9261"W	2672.55	283.423	0.17	-0.09	0.14	
7806.00	90.520	337.770	6505.22	1673.66	707.52	-2634.85	1685098.30	14227507.65	39°10'47.9297"N	80°50'32.3726"W	2728.19	285.031	0.36	0.06	-0.35	
7901.00	90.520	337.970	6504.36	1768.65	795.52	-2670.64	1685062.53	14227595.61	39°10'48.8001"N	80°50'32.8251"W	2786.60	286.588	0.21	0.00	0.21	
7996.00	90.580	337.940	6503.45	1863.64	883.57	-2706.29	1685026.89	14227683.63	39°10'49.6710"N	80°50'33.2759"W	2846.88	288.081	0.07	0.06	-0.03	
8090.00	90.490	338.050	6502.57	1957.62	970.72	-2741.51	1684991.68	14227770.74	39°10'50.5329"N	80°50'33.7212"W	2908.29	289.498	0.15	-0.10	0.12	
8185.00	90.430	337.950	6501.81	2052.61	1058.80	-2777.10	1684956.11	14227858.79	39°10'51.4041"N	80°50'34.1712"W	2972.09	290.870	0.12	-0.06	-0.11	
8280.00	90.490	337.890	6501.04	2147.60	1146.83	-2812.81	1684920.42	14227946.78	39°10'52.2748"N	80°50'34.6227"W	3037.61	292.182	0.09	0.06	-0.06	
8375.00	89.350	337.010	6501.18	2242.60	1234.56	-2849.24	1684884.00	14228034.48	39°10'53.1426"N	80°50'35.0834"W	3105.21	293.427	1.52	-1.20	-0.93	
8469.00	90.520	338.280	6501.28	2336.59	1321.50	-2884.99	1684848.26	14228121.38	39°10'54.0024"N	80°50'35.5355"W	3173.25	294.611	1.84	1.24	1.35	
8564.00	90.580	338.100	6500.37	2431.57	1409.69	-2920.28	1684812.98	14228209.54	39°10'54.8748"N	80°50'35.9818"W	3242.73	295.768	0.20	0.06	-0.19	
8659.00	90.550	337.940	6499.44	2526.56	1497.78	-2955.84	1684777.44	14228297.59	39°10'55.7460"N	80°50'36.4314"W	3313.66	296.872	0.17	-0.03	-0.17	
8753.00	89.290	336.870	6499.57	2620.55	1584.56	-2991.95	1684741.34	14228384.34	39°10'56.6044"N	80°50'36.8881"W	3385.65	297.906	1.76	-1.34	-1.14	
8848.00	90.460	338.300	6499.77	2715.55	1672.38	-3028.17	1684705.14	14228472.12	39°10'57.4730"N	80°50'37.3462"W	3459.29	298.911	1.94	1.23	1.51	
8943.00	90.520	337.930	6498.96	2810.53	1760.53	-3063.58	1684669.74	14228560.24	39°10'58.3449"N	80°50'37.7939"W	3533.42	299.884	0.39	0.06	-0.39	
9038.00	90.490	338.000	6498.12	2905.52	1848.59	-3099.22	1684634.11	14228648.26	39°10'59.2158"N	80°50'38.2446"W	3608.67	300.815	0.08	-0.03	0.07	
9132.00	90.550	338.140	6497.27	2999.50	1935.78	-3134.33	1684599.02	14228735.42	39°11'00.0782"N	80°50'38.6885"W	3683.92	301.700	0.16	0.06	0.15	
9227.00	90.460	338.040	6496.43	3094.49	2023.92	-3169.78	1684563.59	14228823.52	39°11'00.9500"N	80°50'39.1367"W	3760.82	302.558	0.14	-0.09	-0.11	
9322.00	90.580	338.330	6495.57	3189.47	2112.11	-3205.08	1684528.30	14228911.68	39°11'01.8223"N	80°50'39.5831"W	3838.43	303.384	0.33	0.13	0.31	
9416.00	90.460	338.290	6494.72	3283.45	2199.45	-3239.82	1684493.58	14228998.99	39°11'02.6861"N	80°50'40.0224"W	3915.87	304.172	0.13	-0.13	-0.04	
9511.00	90.490	338.090	6493.93	3378.43	2287.65	-3275.11	1684458.30	14229087.15	39°11'03.5584"N	80°50'40.4687"W	3994.96	304.934	0.21	0.03	-0.21	
9606.00	90.120	338.050	6493.43	3473.42	2375.78	-3310.59	1684422.83	14229175.24	39°11'04.4301"N	80°50'40.9173"W	4074.84	305.664	0.39	-0.39	-0.04	
9700.00	89.850	338.190	6493.45	3567.40	2463.00	-3345.62	1684387.81	14229262.43	39°11'05.2928"N	80°50'41.3603"W	4154.46	306.360	0.32	-0.29	0.15	
9795.00	90.060	338.210	6493.52	3662.39	2551.21	-3380.90	1684352.55	14229350.60	39°11'06.1652"N	80°50'41.8064"W	4235.47	307.038	0.22	0.22	0.02	
9890.00	90.060	338.330	6493.42	3757.37	2639.46	-3416.07	1684317.39	14229438.81	39°11'07.0381"N	80°50'42.2512"W	4316.98	307.692	0.13	0.00	0.13	
9985.00	90.000	338.290	6493.38	3852.35	2727.73	-3451.18	1684282.29	14229527.05	39°11'07.9111"N	80°50'42.6952"W	4399.00	308.322	0.08	-0.06	-0.04	
10079.00	90.060	338.180	6493.33	3946.34	2815.03	-3486.04	1684247.45	14229614.32	39°11'08.7746"N	80°50'43.1359"W	4480.72	308.921	0.13	0.06	-0.12	
10174.00	89.940	335.960	6493.33	4041.33	2902.52	-3523.05	1684210.46	14229701.77	39°11'09.6399"N	80°50'43.6041"W	4564.70	309.484	2.34	-0.13	-2.34	
10269.00	90.090	335.760	6493.30	4136.31	2989.21	-3561.90	1684171.62	14229788.43	39°11'10.4974"N	80°50'44.0956"W	4650.00	310.004	0.26	0.16	-0.21	
10363.00	90.090	335.800	6493.15	4230.28	3074.94	-3600.46	1684133.07	14229874.12	39°11'11.3454"N	80°50'44.5835"W	4734.83	310.499	0.04	0.00	0.04	
10458.00	90.060	336.430	6493.03	4325.26	3161.80	-3638.93	1684094.62	14229960.95	39°11'12.2046"N	80°50'45.0701"W	4820.66	310.987	0.66	-0.03	0.66	

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Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

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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
10553.00	90.030	336.510	6492.95	4420.25	3248.90	-3676.86	1684056.71	14230048.01	39°11'13.0661"N	80°50'45.5499"W	4906.59	311.464	0.09	-0.03	0.08	
10647.00	90.150	336.610	6492.81	4514.25	3335.14	-3714.25	1684019.33	14230134.22	39°11'13.9192"N	80°50'46.0229"W	4991.88	311.922	0.17	0.13	0.11	
10742.00	89.910	336.220	6492.76	4609.24	3422.21	-3752.26	1683981.34	14230221.25	39°11'14.7803"N	80°50'46.5038"W	5078.48	312.366	0.48	-0.25	-0.41	
10837.00	89.910	336.100	6492.91	4704.22	3509.10	-3790.66	1683942.96	14230308.11	39°11'15.6398"N	80°50'46.9895"W	5165.55	312.791	0.13	0.00	-0.13	
10932.00	89.420	336.430	6493.46	4799.21	3596.07	-3828.89	1683904.74	14230395.04	39°11'16.5000"N	80°50'47.4733"W	5252.82	313.204	0.62	-0.52	0.35	
11026.00	89.420	335.880	6494.41	4893.19	3682.04	-3866.89	1683866.75	14230480.98	39°11'17.3504"N	80°50'47.9540"W	5339.50	313.597	0.59	0.00	-0.59	
11121.00	89.540	336.580	6495.28	4988.17	3768.97	-3905.18	1683828.48	14230567.88	39°11'18.2103"N	80°50'48.4385"W	5427.30	313.983	0.75	0.13	0.74	
11216.00	89.350	336.460	6496.20	5083.16	3856.10	-3943.03	1683790.64	14230654.97	39°11'19.0721"N	80°50'48.9173"W	5515.16	314.361	0.24	-0.20	-0.13	
11311.00	89.420	336.300	6497.22	5178.14	3943.14	-3981.09	1683752.60	14230741.98	39°11'19.9330"N	80°50'49.3988"W	5603.34	314.726	0.18	0.07	-0.17	
11405.00	89.450	337.180	6498.14	5272.14	4029.50	-4018.21	1683715.49	14230828.30	39°11'20.7871"N	80°50'49.8684"W	5690.59	315.080	0.94	0.03	0.94	
11500.00	89.380	336.100	6499.11	5367.13	4116.70	-4055.88	1683677.84	14230915.47	39°11'21.6497"N	80°50'50.3449"W	5779.05	315.426	1.14	-0.07	-1.14	
11595.00	89.350	336.300	6500.17	5462.11	4203.62	-4094.21	1683639.52	14231002.35	39°11'22.5094"N	80°50'50.8299"W	5867.96	315.755	0.21	-0.03	0.21	
11689.00	89.290	335.600	6501.28	5556.08	4289.45	-4132.52	1683601.23	14231088.15	39°11'23.3584"N	80°50'51.3145"W	5956.26	316.068	0.75	-0.06	-0.74	
11879.00	89.380	336.100	6503.49	5746.01	4462.81	-4210.24	1683523.54	14231261.44	39°11'25.0731"N	80°50'52.2980"W	6135.38	316.668	0.27	0.05	0.26	
11974.00	89.290	336.290	6504.59	5840.99	4549.72	-4248.59	1683485.21	14231348.31	39°11'25.9328"N	80°50'52.7831"W	6224.99	316.960	0.22	-0.09	0.20	
12068.00	89.380	336.140	6505.68	5934.97	4635.73	-4286.49	1683447.32	14231434.29	39°11'26.7836"N	80°50'53.2628"W	6313.80	317.242	0.19	0.10	-0.16	
12163.00	89.600	336.190	6506.53	6029.95	4722.63	-4324.88	1683408.94	14231521.15	39°11'27.6430"N	80°50'53.7485"W	6403.73	317.517	0.24	0.23	0.05	
12258.00	89.480	337.310	6507.29	6124.94	4809.91	-4362.38	1683371.46	14231608.40	39°11'28.5063"N	80°50'54.2229"W	6493.50	317.793	1.19	-0.13	1.18	
12352.00	89.230	337.630	6508.35	6218.94	4896.73	-4398.40	1683335.46	14231695.18	39°11'29.3650"N	80°50'54.6785"W	6582.08	318.069	0.43	-0.27	0.34	
12447.00	89.420	337.210	6509.47	6313.93	4984.44	-4434.87	1683299.00	14231782.86	39°11'30.2326"N	80°50'55.1399"W	6671.79	318.339	0.49	0.20	-0.44	
12636.00	89.450	337.690	6511.33	6502.92	5158.98	-4507.35	1683226.55	14231957.33	39°11'31.9589"N	80°50'56.0567"W	6850.64	318.857	0.25	0.02	0.25	
12731.00	89.260	337.020	6512.40	6597.91	5246.65	-4543.92	1683189.99	14232044.96	39°11'32.8260"N	80°50'56.5194"W	6940.79	319.105	0.73	-0.20	-0.71	
12826.00	89.200	337.270	6513.67	6692.90	5334.18	-4580.82	1683153.11	14232132.46	39°11'33.6918"N	80°50'56.9861"W	7031.17	319.345	0.27	-0.06	0.26	
12921.00	89.200	337.160	6515.00	6787.89	5421.76	-4617.60	1683116.34	14232220.01	39°11'34.5580"N	80°50'57.4515"W	7121.64	319.580	0.12	0.00	-0.12	
13015.00	89.290	337.140	6516.24	6881.88	5508.38	-4654.10	1683079.86	14232306.59	39°11'35.4147"N	80°50'57.9132"W	7211.30	319.805	0.10	0.10	-0.02	
13109.00	89.290	337.220	6517.40	6975.88	5595.01	-4690.56	1683043.42	14232393.19	39°11'36.2716"N	80°50'58.3744"W	7301.06	320.025	0.09	0.00	0.09	
13204.00	89.510	337.750	6518.40	7070.87	5682.77	-4726.93	1683007.05	14232480.91	39°11'37.1396"N	80°50'58.8346"W	7391.73	320.246	0.60	0.23	0.56	
13299.00	89.290	336.830	6519.39	7165.86	5770.40	-4763.61	1682970.40	14232568.50	39°11'38.0063"N	80°50'59.2985"W	7482.61	320.459	1.00	-0.23	-0.97	
13393.00	89.290	337.340	6520.56	7259.86	5856.97	-4800.20	1682933.81	14232655.04	39°11'38.8626"N	80°50'59.7615"W	7572.72	320.663	0.54	0.00	0.54	
13488.00	89.480	337.480	6521.58	7354.85	5944.68	-4836.70	1682897.34	14232742.71	39°11'39.7301"N	80°51'0.2232"W	7663.73	320.868	0.25	0.20	0.15	

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Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
13583.00	89.420	337.380	6522.49	7449.84	6032.40	-4873.16	1682860.89	14232830.40	39°11'40.5977"N	80°51'0.6844"W	7754.83	321.068	0.12	-0.06	-0.11	
13677.00	89.450	337.210	6523.42	7543.84	6119.11	-4909.44	1682824.62	14232917.07	39°11'41.4553"N	80°51'1.1434"W	7845.13	321.259	0.18	0.03	-0.18	
13772.00	89.320	337.240	6524.44	7638.83	6206.70	-4946.21	1682787.87	14233004.63	39°11'42.3216"N	80°51'1.6087"W	7936.50	321.448	0.14	-0.14	0.03	
13867.00	89.320	337.060	6525.56	7733.83	6294.23	-4983.10	1682750.99	14233092.13	39°11'43.1874"N	80°51'2.0754"W	8027.99	321.632	0.19	0.00	-0.19	
13961.00	89.480	337.150	6526.55	7827.82	6380.82	-5019.67	1682714.44	14233178.69	39°11'44.0439"N	80°51'2.5380"W	8118.62	321.809	0.20	0.17	0.10	
14056.00	89.480	337.210	6527.41	7922.82	6468.39	-5056.51	1682677.61	14233266.21	39°11'44.9099"N	80°51'3.0042"W	8210.26	321.984	0.06	0.00	0.06	
14245.00	89.350	337.510	6529.34	8111.81	6642.81	-5129.26	1682604.89	14233440.57	39°11'46.6351"N	80°51'3.9246"W	8392.63	322.326	0.17	-0.07	0.16	
14340.00	88.950	337.010	6530.75	8206.80	6730.42	-5165.98	1682568.19	14233528.14	39°11'47.5016"N	80°51'4.3891"W	8484.45	322.492	0.67	-0.42	-0.53	
14435.00	89.380	337.170	6532.13	8301.79	6817.91	-5202.95	1682531.22	14233615.60	39°11'48.3670"N	80°51'4.8570"W	8576.40	322.652	0.48	0.45	0.17	
14529.00	89.350	337.310	6533.18	8395.78	6904.59	-5239.32	1682494.87	14233702.24	39°11'49.2243"N	80°51'5.3170"W	8667.40	322.808	0.15	-0.03	0.15	
14624.00	89.290	337.350	6534.30	8490.77	6992.24	-5275.93	1682458.28	14233789.86	39°11'50.0912"N	80°51'5.7803"W	8759.39	322.964	0.08	-0.06	0.04	
14719.00	89.350	337.590	6535.43	8585.76	7079.99	-5312.33	1682421.89	14233877.57	39°11'50.9591"N	80°51'6.2408"W	8851.39	323.118	0.26	0.06	0.25	
14813.00	89.450	337.490	6536.42	8679.76	7166.85	-5348.24	1682386.00	14233964.40	39°11'51.8182"N	80°51'6.6951"W	8942.45	323.268	0.15	0.11	-0.11	
14908.00	89.230	337.340	6537.51	8774.75	7254.56	-5384.72	1682349.53	14234052.07	39°11'52.6857"N	80°51'7.1567"W	9034.59	323.415	0.28	-0.23	-0.16	
15098.00	90.740	337.680	6537.56	8964.74	7430.10	-5457.40	1682276.88	14234227.55	39°11'54.4219"N	80°51'8.0762"W	9218.98	323.703	0.81	0.79	0.18	
15192.00	89.050	337.110	6537.73	9058.74	7516.88	-5493.53	1682240.77	14234314.29	39°11'55.2802"N	80°51'8.5333"W	9310.33	323.840	1.90	-1.80	-0.61	
15287.00	89.020	337.340	6539.33	9153.72	7604.46	-5530.30	1682204.01	14234401.83	39°11'56.1464"N	80°51'8.9986"W	9402.77	323.974	0.24	-0.03	0.24	
15382.00	89.050	337.590	6540.93	9248.71	7692.19	-5566.70	1682167.62	14234489.53	39°11'57.0141"N	80°51'9.4591"W	9495.16	324.107	0.27	0.03	0.26	
15477.00	88.950	337.260	6542.59	9343.69	7779.90	-5603.17	1682131.17	14234577.20	39°11'57.8816"N	80°51'9.9205"W	9587.61	324.238	0.36	-0.11	-0.35	
15571.00	89.050	337.340	6544.23	9437.68	7866.61	-5639.44	1682094.92	14234663.87	39°11'58.7392"N	80°51'10.3794"W	9679.19	324.364	0.14	0.11	0.09	
15666.00	88.980	337.480	6545.86	9532.66	7954.31	-5675.92	1682058.44	14234751.54	39°11'59.6066"N	80°51'10.8411"W	9771.75	324.490	0.16	-0.07	0.15	
15761.00	89.020	337.540	6547.52	9627.65	8042.07	-5712.26	1682022.12	14234839.26	39°12'0.4746"N	80°51'11.3008"W	9864.32	324.614	0.08	0.04	0.06	
15855.00	89.080	337.410	6549.08	9721.63	8128.88	-5748.26	1681986.13	14234926.05	39°12'1.3332"N	80°51'11.7564"W	9955.97	324.734	0.15	0.06	-0.14	
15950.00	88.860	337.380	6550.79	9816.62	8216.57	-5784.77	1681949.64	14235013.70	39°12'2.2005"N	80°51'12.2183"W	10048.66	324.853	0.23	-0.23	-0.03	
16045.00	88.890	337.360	6552.65	9911.60	8304.24	-5821.32	1681913.11	14235101.33	39°12'3.0676"N	80°51'12.6808"W	10141.41	324.969	0.04	0.03	-0.02	
16139.00	88.920	337.510	6554.45	10005.58	8391.03	-5857.38	1681877.06	14235188.09	39°12'3.9260"N	80°51'13.1371"W	10233.20	325.083	0.16	0.03	0.16	
16234.00	88.950	337.510	6556.22	10100.56	8478.79	-5893.72	1681840.74	14235275.81	39°12'4.7940"N	80°51'13.5968"W	10325.97	325.196	0.03	0.03	0.00	
16329.00	88.920	337.610	6557.98	10195.55	8566.58	-5929.97	1681804.50	14235363.57	39°12'5.6623"N	80°51'14.0556"W	10418.77	325.308	0.11	-0.03	0.11	
16424.00	88.950	337.420	6559.75	10290.53	8654.34	-5966.30	1681768.18	14235451.30	39°12'6.5303"N	80°51'14.5152"W	10511.63	325.418	0.20	0.03	-0.20	
16518.00	88.950	337.530	6561.47	10384.51	8741.16	-6002.30	1681732.19	14235538.08	39°12'7.3889"N	80°51'14.9708"W	10603.56	325.524	0.12	0.00	0.12	

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Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
16613.00	88.860	337.380	6563.28	10479.49	8828.88	-6038.72	1681695.79	14235625.76	39°12'8.2565"N	80°51'15.4316"W	10696.51	325.629	0.18	-0.09	-0.16	
16708.00	88.800	337.270	6565.22	10574.47	8916.52	-6075.34	1681659.19	14235713.37	39°12'9.1233"N	80°51'15.8949"W	10789.53	325.731	0.13	-0.06	-0.12	
16897.00	88.950	337.480	6568.94	10763.43	9090.94	-6148.03	1681586.53	14235887.72	39°12'10.8484"N	80°51'16.8148"W	10974.67	325.930	0.14	0.08	0.11	
16992.00	88.920	337.520	6570.70	10858.42	9178.69	-6184.38	1681550.19	14235975.44	39°12'11.7164"N	80°51'17.2747"W	11067.74	326.029	0.05	-0.03	0.04	
17086.00	88.920	337.340	6572.47	10952.40	9265.48	-6220.45	1681514.13	14236062.19	39°12'12.5747"N	80°51'17.7312"W	11159.89	326.124	0.19	0.00	-0.19	
17181.00	88.920	337.430	6574.26	11047.38	9353.16	-6256.97	1681477.62	14236149.83	39°12'13.4419"N	80°51'18.1934"W	11253.06	326.219	0.09	0.00	0.09	
17276.00	89.020	337.300	6575.97	11142.37	9440.83	-6293.53	1681441.08	14236237.47	39°12'14.3090"N	80°51'18.6559"W	11346.27	326.311	0.17	0.11	-0.14	
17371.00	89.010	337.520	6577.60	11237.35	9528.53	-6330.02	1681404.61	14236325.13	39°12'15.1763"N	80°51'19.1177"W	11439.49	326.403	0.23	-0.01	0.23	
17465.00	88.980	337.250	6579.25	11331.34	9615.28	-6366.16	1681368.48	14236411.85	39°12'16.0344"N	80°51'19.5750"W	11531.77	326.492	0.29	-0.03	-0.29	
17560.00	88.890	337.490	6581.02	11426.32	9702.96	-6402.71	1681331.95	14236499.49	39°12'16.9015"N	80°51'20.0375"W	11625.06	326.580	0.27	-0.09	0.25	
17655.00	88.950	337.670	6582.81	11521.30	9790.76	-6438.93	1681295.74	14236587.26	39°12'17.7699"N	80°51'20.4959"W	11718.31	326.669	0.20	0.06	0.19	
17750.00	88.950	337.400	6584.55	11616.28	9878.53	-6475.23	1681259.46	14236675.00	39°12'18.6381"N	80°51'20.9552"W	11811.61	326.756	0.28	0.00	-0.28	
17844.00	88.950	337.300	6586.27	11710.27	9965.27	-6511.42	1681223.28	14236761.70	39°12'19.4959"N	80°51'21.4132"W	11904.00	326.839	0.11	0.00	-0.11	
17939.00	89.230	337.410	6587.78	11805.25	10052.94	-6547.99	1681186.72	14236849.33	39°12'20.3630"N	80°51'21.8760"W	11997.40	326.922	0.32	0.29	0.12	
18034.00	88.620	336.810	6589.56	11900.24	10140.44	-6584.94	1681149.79	14236936.80	39°12'21.2284"N	80°51'22.3436"W	12090.90	327.001	0.90	-0.64	-0.63	
18128.00	88.920	337.270	6591.58	11994.21	10226.97	-6621.60	1681113.15	14237023.30	39°12'22.0843"N	80°51'22.8076"W	12183.45	327.078	0.58	0.32	0.49	
18223.00	89.320	337.500	6593.04	12089.20	10314.66	-6658.12	1681076.64	14237110.95	39°12'22.9515"N	80°51'23.2698"W	12276.92	327.158	0.49	0.42	0.24	
18317.00	89.450	337.420	6594.05	12183.19	10401.47	-6694.15	1681040.62	14237197.73	39°12'23.8101"N	80°51'23.7258"W	12369.41	327.236	0.16	0.14	-0.09	
18412.00	89.320	337.310	6595.07	12278.19	10489.15	-6730.71	1681004.07	14237285.37	39°12'24.6773"N	80°51'24.1884"W	12462.93	327.312	0.18	-0.14	-0.12	
18506.00	89.450	337.350	6596.08	12372.18	10575.88	-6766.94	1680967.86	14237372.07	39°12'25.5351"N	80°51'24.6469"W	12555.51	327.387	0.14	0.14	0.04	
18601.00	89.350	337.650	6597.07	12467.18	10663.64	-6803.29	1680931.52	14237459.79	39°12'26.4031"N	80°51'25.1070"W	12649.04	327.463	0.33	-0.11	0.32	
18696.00	89.350	337.410	6598.15	12562.17	10751.43	-6839.60	1680895.23	14237547.54	39°12'27.2713"N	80°51'25.5664"W	12742.58	327.537	0.25	0.00	-0.25	
18791.00	88.150	336.830	6600.22	12657.14	10838.93	-6876.53	1680858.32	14237635.01	39°12'28.1368"N	80°51'26.0338"W	12836.24	327.608	1.40	-1.26	-0.61	
18885.00	88.830	337.030	6602.70	12751.11	10925.38	-6913.35	1680821.51	14237721.43	39°12'28.9918"N	80°51'26.4998"W	12928.97	327.675	0.75	0.72	0.21	
18980.00	89.450	337.610	6604.13	12846.10	11013.02	-6949.98	1680784.90	14237809.04	39°12'29.8586"N	80°51'26.9634"W	13022.63	327.745	0.89	0.65	0.61	
19075.00	89.380	337.300	6605.10	12941.09	11100.76	-6986.40	1680748.49	14237896.74	39°12'30.7264"N	80°51'27.4243"W	13116.27	327.815	0.33	-0.07	-0.33	
19170.00	89.350	337.260	6606.15	13036.09	11188.38	-7023.09	1680711.82	14237984.32	39°12'31.5930"N	80°51'27.8887"W	13209.98	327.883	0.05	-0.03	-0.04	
19264.00	89.290	337.230	6607.26	13130.08	11275.06	-7059.44	1680675.48	14238070.97	39°12'32.4502"N	80°51'28.3488"W	13302.73	327.949	0.07	-0.06	-0.03	
19359.00	89.170	337.130	6608.54	13225.07	11362.62	-7096.28	1680638.65	14238158.49	39°12'33.3162"N	80°51'28.8151"W	13396.50	328.014	0.16	-0.13	-0.11	
19454.00	89.320	337.350	6609.79	13320.06	11450.21	-7133.03	1680601.92	14238246.05	39°12'34.1826"N	80°51'29.2802"W	13490.27	328.079	0.28	0.16	0.23	

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Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

WELLPATH DATA (213 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
19548.00	89.260	337.100	6610.96	13414.05	11536.88	-7169.42	1680565.54	14238332.68	39°12'35.0397"N	80°51'29.7407"W	13583.08	328.142	0.27	-0.06	-0.27	
19646.00	89.320	337.110	6612.17	13512.05	11627.15	-7207.54	1680527.44	14238422.91	39°12'35.9325"N	80°51'30.2233"W	13679.88	328.206	0.06	0.06	0.01	
19671.00‡	89.320	337.110	6612.47	13537.05	11650.18	-7217.27	1680517.72	14238445.93	39°12'36.1603"N	80°51'30.3463"W	13704.58	328.222	0.00	0.00	0.00	Projected MD at TD: 19671'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = 7.00				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		

HOLE & CASING SECTIONS - Ref Wellbore: Farley Unit 2H AWB Ref Wellpath: Farley Unit 2H AWP Proj: 19671'

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	0.18	0.12
17.5in Open Hole	125.50	458.00	332.50	125.50	458.00	0.18	0.12	-0.15	1.13
13.375in Casing Surface	25.50	438.00	412.50	25.50	438.00	0.00	0.00	-0.14	1.07
12.25in Open Hole	458.00	3040.00	2582.00	458.00	2928.39	-0.15	1.13	-2.51	-682.75
9.625in Casing Intermediate	25.50	3010.00	2984.50	25.50	2900.21	0.00	0.00	-1.04	-672.56
8.75in Open Hole	3040.00	6249.00	3209.00	2928.39	5857.34	-2.51	-682.75	-238.07	-1957.75
8.5in Open Hole	6249.00	19671.00	13422.00	5857.34	6612.47	-238.07	-1957.75	11650.18	-7217.27
5.5in Casing Production	25.50	19651.00	19625.50	25.50	6612.23	0.00	0.00	11631.75	-7209.49

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Actual Wellpath Report

Farley Unit 2H AWP Proj: 19671'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Farley Unit 2H POE Rev-3	6489.00	134.25	-2386.82	1685346.23	14226934.61	39°10'42.2593"N	80°50'29.2357"W	point
Farley Unit 2H BHL Rev-3	6517.00	11569.77	-7196.63	1680538.34	14238365.56	39°12'35.3653"N	80°51'30.0858"W	point
Farley Unit 2H LP Rev-3	6517.00	297.34	-2455.42	1685277.66	14227097.63	39°10'43.8724"N	80°50'30.1031"W	point
Farley Unit 2H 50' L/R Hard Line	6750.00	5852.01	-4791.73	1682942.28	14232650.09	39°11'38.8134"N	80°50'59.6540"W	rectangle
2D Rectangle 12405.9 x 100.								

WELLPATH COMPOSITION - Ref Wellbore: Farley Unit 2H AWB Ref Wellpath: Farley Unit 2H AWP Proj: 19671'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.50	400.00	Gyrodata 2015 - GC+WIR+DPIPE	01 Gyrodata MS Gyro <17-1/2"> (100'-400')	Farley Unit 2H AWB	1/16/2025
400.00	535.00	Gyrodata 2015 - GC+WIR+DPIPE	02 Gyrodata MS Gyro <12-1/4"> (400')(500'-535')	Farley Unit 2H AWB	1/17/2025
535.00	2962.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <12-1/4"> (535')(568'-2962')	Farley Unit 2H AWB	1/16/2025
2962.00	6174.00	BH NaviTrak (2019) (Axial Corr+HRGM)	04 APS EM <8-3/4"> (2962')(3036'-6174')	Farley Unit 2H AWB	1/27/2025
6174.00	19671.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	05 BH Lucida <8-1/2"> (6174')(6225'-19646')	Farley Unit 2H AWB	1/27/2025

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Farley Unit 2H AWP Proj: 19671'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Farley Unit 2H
Field	Doddridge	API	47-017-06971-0000
Facility	Locke Pad	Wellbore	Farley Unit 2H AWB
Slot	Slot I		

COMMENTS	
Wellpath general comments API: 47-017-06971-0000 BH Job #: 112542264 Rig: H&P 317 Duration: 1/28/2025-2/1/2025 Gyrodata MS Gyro <17-1/2"> (100'-400') Gyrodata MS Gyro <12-1/4"> (400')(500'-535') APS EM <12-1/4"> (535')(568'-2962') APS EM <8-3/4"> (2962')(3036'-6174') BH Lucida <8-1/2"> (6174')(6225'-19646') Sycamore: 6546' MD Middlesex: 6780' MD Burkett: 6958' MD Tully: 7050' MD Marcellus POE: 7136' MD Projected MD at TD: 19671'	

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