ANTERO RESOURCES CORPORATION

Area: Tyler County, WV
Field: Tyler
Facility: Shinn Pad
Slot: Slot L

Well: Burke Unit 2H
UWI: 47-095-02947-0000
Wellbore: Burke Unit 2H PWB
Wellpath: Burke Unit 2H PWP Rev-B.0

Plot reference wellpath is Burke Unit 2H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 1066 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot L): -1036 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsaryar on 2025-12-30, Database: WA_MPL_EASTERNUS_Defn

Location Information

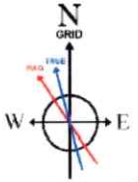
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Shinn Pad			1655203.580	14363830.010	39°33'16.1672N	80°56'51.1437W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot L	-219.96	-248.82	1654954.860	14363610.140	39°33'13.9947N	80°56'54.3219W
Comment	Burke Unit 2H					
H&P 519 (RKB) to Ground level (At Slot: Slot L)				30ft		
Mean Sea Level to Ground level (At Slot: Slot L)				-1036ft		
H&P 519 (RKB) to Mean Sea Level				1066ft		

Well Data

Slot	Well	Wellbore	Wellpath
Slot L	Burke Unit 2H	Burke Unit 2H AWB	Burke Unit 2H AWP Proj: 19412'
Slot L	Burke Unit 2H	Burke Unit 2H PWB	Burke Unit 2H PWP Rev-B.0

Gyrodata MS Gyro <17-1/2"> (100'-468') : 0.36° Inc, 100.00ft MD, 100.00ft TVD, 0.20ft VS

APS EM <12-1/4"> (468')(506'-3030') : 0.33° Inc, 506.00ft MD, 506.00ft TVD, 0.43ft VS



User specified (HDGM) Dip: 65.96° Field: 51049.1 nT
Magnetic North is 7.48 degrees West of True North (at 2025-11-25)
Grid North is 0.03 degrees East of True North
To correct azimuth from True to Grid subtract 0.03 degrees
To correct azimuth from Magnetic to Grid subtract 7.51 degrees

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API: 47-095-02947-0000
BH Job #: 112868251
Rig: H&P 519
Duration: 11/26/2025-11/29/2025

APS EM <8-3/4"> (3030')(3125'-5427') : 7.00° Inc, 3125.00ft MD, 3089.69ft TVD, -120.97ft VS

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3030.00	7.440	78.210	2995.44	8.32	395.33	0.29	-119.85
Proj. to Bottom	3112.00	7.440	78.210	3076.75	10.49	405.72	0.00	-121.16
Drill Out	3192.00	7.440	78.210	3156.08	12.61	415.86	0.00	-122.43
Build/Turn	3339.09	10.279	83.282	3301.40	16.09	438.22	2.00	-126.36
Curve KOP	5559.46	10.279	83.282	5486.13	62.44	831.71	0.00	-209.63
POE	6436.90	69.575	351.723	6157.00	539.69	853.00	8.00	235.14
Landing Pt.	6698.46	90.500	351.723	6202.00	793.21	816.12	8.00	486.98
On AZI	7227.30	90.500	341.145	6197.37	1306.55	692.25	2.00	1012.81
BHL	19413.53	90.500	341.145	6091.03	12838.44	-3245.83	0.00	13198.58

BH Lucida <8-1/2"> (5427')(5475'-19387') : 9.48° Inc, 5475.00ft MD, 5399.50ft TVD, -210.21ft VS

Marcellus POE: 6435' MD : 71.15° Inc, 6453.00ft MD, 6162.67ft TVD, 257.43ft VS

Projected MD at TD: 19412' : 89.45° Inc, 19412.00ft MD, 6115.35ft TVD, 13202.96ft VS

Actual Wellpath Report

Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Burke Unit 2H**
Field	**Tyler**	UWI	**47-095-02947-0000**
Facility	**Shinn Pad**	Wellbore	**Burke Unit 2H AWB**
Slot	**Slot L**		

REPORT SETUP INFORMATION			
Projection System	**NAD27 / UTM Zone 17 North, US feet [32067]**	Software System	**WellArchitect® 7.0**
North Reference	**Grid**	Report Generated By	**Edsaryar** on **2025-12-30** at **10:46:53 PM**
Scale	**0.999600**	Last Updated	**2025-12-30**
Convergence at slot	**0.03° East**	Database	**WA_MPL_EASTERNUS_Defn**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	-219.96	-248.82	**1654954.86**	**14363610.14**	39°33'13.9947"N	80°56'54.3219"W
Facility Reference Pt			**1655203.58**	**14363830.01**	39°33'16.1672"N	80°56'51.1437"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 519 (RKB) to Facility Vertical Datum	**1066.00ft**
Horizontal Reference Pt	**Slot**	H&P 519 (RKB) to Mean Sea Level	**1066.00ft**
Vertical Reference Pt	**H&P 519 (RKB)**	H&P 519 (RKB) to Ground Level at Slot (Slot L)	**30.00ft**
MD Reference Pt	**H&P 519 (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**341.150°**

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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	317.630	0.00	0.00	0.00	0.00	1654954.86	14363610.14	39°33'13.9947"N	80°56'54.3219"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	317.630	30.00	0.00	0.00	0.00	1654954.86	14363610.14	39°33'13.9947"N	80°56'54.3219"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.360	317.630	100.00	0.20	0.16	-0.15	1654954.71	14363610.30	39°33'13.9963"N	80°56'54.3238"W	0.22	317.630	0.51	0.51	0.00	Gyrodata MS Gyro <17-1/2"> (100'-468')
200.00	0.190	334.120	200.00	0.65	0.54	-0.43	1654954.43	14363610.68	39°33'14.0001"N	80°56'54.3274"W	0.69	321.515	0.19	-0.17	16.49	
300.00	0.190	97.330	300.00	0.75	0.67	-0.34	1654954.52	14363610.81	39°33'14.0014"N	80°56'54.3262"W	0.75	333.141	0.33	0.00	123.21	
400.00	0.240	93.050	400.00	0.59	0.64	0.03	1654954.89	14363610.78	39°33'14.0010"N	80°56'54.3215"W	0.64	2.988	0.05	0.05	-4.28	
468.00	0.360	93.590	468.00	0.46	0.62	0.39	1654955.25	14363610.76	39°33'14.0008"N	80°56'54.3169"W	0.73	32.154	0.18	0.18	0.79	
506.00	0.330	60.210	506.00	0.43	0.67	0.60	1654955.46	14363610.81	39°33'14.0013"N	80°56'54.3142"W	0.90	42.179	0.53	-0.08	-87.84	APS EM <12-1/4"> (468')(506'-3030')
595.00	1.580	86.710	594.98	0.15	0.86	2.05	1654956.91	14363611.00	39°33'14.0032"N	80°56'54.2957"W	2.22	67.170	1.45	1.40	29.78	
685.00	3.270	83.830	684.90	-0.74	1.21	5.84	1654960.70	14363611.35	39°33'14.0066"N	80°56'54.2473"W	5.97	78.294	1.88	1.88	-3.20	
775.00	4.440	91.730	774.69	-2.53	1.38	11.88	1654966.73	14363611.52	39°33'14.0083"N	80°56'54.1703"W	11.96	83.367	1.42	1.30	8.78	
865.00	6.040	89.290	864.31	-5.23	1.33	20.09	1654974.94	14363611.47	39°33'14.0078"N	80°56'54.0654"W	20.14	86.200	1.79	1.78	-2.71	
955.00	7.580	91.280	953.68	-8.75	1.26	30.76	1654985.61	14363611.40	39°33'14.0070"N	80°56'53.9291"W	30.79	87.653	1.73	1.71	2.21	
1045.00	9.020	92.160	1042.73	-13.32	0.86	43.75	1654998.59	14363611.00	39°33'14.0030"N	80°56'53.7634"W	43.76	88.871	1.61	1.60	0.98	
1140.00	10.500	91.020	1136.35	-18.93	0.43	59.85	1655014.68	14363610.57	39°33'13.9986"N	80°56'53.5579"W	59.85	89.591	1.57	1.56	-1.20	
1234.00	10.980	90.410	1228.71	-24.80	0.21	77.36	1655032.19	14363610.35	39°33'13.9964"N	80°56'53.3343"W	77.36	89.844	0.52	0.51	-0.65	
1329.00	11.280	91.270	1321.92	-30.98	-0.06	95.70	1655050.52	14363610.08	39°33'13.9936"N	80°56'53.1002"W	95.70	90.036	0.36	0.32	0.91	
1423.00	11.100	90.670	1414.13	-37.16	-0.37	113.94	1655068.75	14363609.77	39°33'13.9904"N	80°56'52.8673"W	113.94	90.186	0.23	-0.19	-0.64	
1518.00	11.330	89.620	1507.32	-43.17	-0.41	132.41	1655087.22	14363609.73	39°33'13.9899"N	80°56'52.6314"W	132.41	90.179	0.32	0.24	-1.11	
1612.00	11.060	89.550	1599.53	-48.94	-0.28	150.66	1655105.46	14363609.86	39°33'13.9911"N	80°56'52.3985"W	150.66	90.107	0.29	-0.29	-0.07	
1707.00	10.590	86.890	1692.84	-54.19	0.26	168.49	1655123.28	14363610.40	39°33'13.9963"N	80°56'52.1708"W	168.49	89.911	0.72	-0.49	-2.80	
1801.00	10.730	83.730	1785.22	-58.44	1.69	185.81	1655140.60	14363611.83	39°33'14.0103"N	80°56'51.9497"W	185.82	89.480	0.64	0.15	-3.36	
1896.00	11.070	84.520	1878.51	-62.47	3.52	203.68	1655158.46	14363613.66	39°33'14.0284"N	80°56'51.7215"W	203.71	89.009	0.39	0.36	0.83	
1990.00	11.600	83.850	1970.67	-66.64	5.40	222.06	1655176.83	14363615.54	39°33'14.0468"N	80°56'51.4869"W	222.13	88.607	0.58	0.56	-0.71	
2085.00	12.130	87.980	2063.64	-71.63	6.77	241.53	1655196.30	14363616.91	39°33'14.0603"N	80°56'51.2383"W	241.63	88.394	1.05	0.56	4.35	
2179.00	12.250	88.700	2155.52	-77.49	7.35	261.37	1655216.13	14363617.48	39°33'14.0658"N	80°56'50.9850"W	261.48	88.390	0.21	0.13	0.77	
2273.00	11.310	92.300	2247.54	-83.83	7.20	280.55	1655235.30	14363617.34	39°33'14.0643"N	80°56'50.7401"W	280.65	88.529	1.27	-1.00	3.83	
2368.00	11.570	94.620	2340.66	-90.98	6.06	299.36	1655254.10	14363616.20	39°33'14.0529"N	80°56'50.5001"W	299.42	88.840	0.56	0.27	2.44	
2463.00	9.280	97.570	2434.08	-98.19	4.29	316.45	1655271.18	14363614.42	39°33'14.0353"N	80°56'50.2819"W	316.48	89.224	2.47	-2.41	3.11	
2557.00	8.460	100.030	2526.96	-104.90	2.08	330.77	1655285.50	14363612.22	39°33'14.0134"N	80°56'50.0990"W	330.78	89.639	0.96	-0.87	2.62	

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Actual Wellpath Report

Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
2652.00	8.080	88.320	2620.98	-110.24	1.06	344.33	1655299.05	14363611.20	39°33'14.0032"N	80°56'49.9260"W	344.33	89.823	1.81	-0.40	-12.33	
2746.00	8.280	83.070	2714.02	-113.59	2.07	357.65	1655312.37	14363612.21	39°33'14.0131"N	80°56'49.7559"W	357.66	89.668	0.82	0.21	-5.59	
2841.00	7.810	80.750	2808.09	-116.08	3.94	370.81	1655325.52	14363614.07	39°33'14.0315"N	80°56'49.5878"W	370.83	89.392	0.60	-0.49	-2.44	
2936.00	7.520	80.200	2902.24	-118.14	6.03	383.31	1655338.01	14363616.17	39°33'14.0521"N	80°56'49.4283"W	383.36	89.099	0.31	-0.31	-0.58	
3030.00	7.440	78.210	2995.44	-119.85	8.32	395.33	1655350.03	14363618.46	39°33'14.0747"N	80°56'49.2748"W	395.41	88.794	0.29	-0.09	-2.12	
3125.00	7.000	74.700	3089.69	-120.97	11.11	406.93	1655361.63	14363621.24	39°33'14.1021"N	80°56'49.1267"W	407.08	88.437	0.66	-0.46	-3.69	APS EM <8-3/4"> (3030')(3125'-5427')
3220.00	7.590	70.330	3183.92	-121.24	14.74	418.42	1655373.12	14363624.88	39°33'14.1380"N	80°56'48.9799"W	418.68	87.982	0.85	0.62	-4.60	
3314.00	9.010	69.030	3276.93	-120.87	19.47	431.14	1655385.83	14363629.60	39°33'14.1846"N	80°56'48.8175"W	431.58	87.414	1.52	1.51	-1.38	
3405.00	9.990	76.370	3366.68	-121.33	23.88	445.47	1655400.15	14363634.01	39°33'14.2282"N	80°56'48.6346"W	446.11	86.932	1.71	1.08	8.07	
3503.00	13.190	83.900	3462.68	-124.57	27.07	464.85	1655419.53	14363637.20	39°33'14.2596"N	80°56'48.3871"W	465.64	86.667	3.61	3.27	7.68	
3598.00	13.070	85.000	3555.20	-129.53	29.16	486.33	1655441.00	14363639.29	39°33'14.2801"N	80°56'48.1129"W	487.20	86.569	0.29	-0.13	1.16	
3692.00	12.440	81.270	3646.88	-133.86	31.62	506.93	1655461.58	14363641.75	39°33'14.3043"N	80°56'47.8499"W	507.91	86.430	1.10	-0.67	-3.97	
3787.00	13.290	87.490	3739.50	-138.73	33.65	527.95	1655482.60	14363643.78	39°33'14.3243"N	80°56'47.5815"W	529.02	86.353	1.71	0.89	6.55	
3881.00	14.160	85.000	3830.81	-144.52	35.13	550.20	1655504.84	14363645.26	39°33'14.3387"N	80°56'47.2974"W	551.32	86.347	1.12	0.93	-2.65	
3976.00	12.770	80.830	3923.20	-149.07	37.82	572.14	1655526.77	14363647.94	39°33'14.3651"N	80°56'47.0173"W	573.39	86.219	1.78	-1.46	-4.39	
4070.00	12.290	86.950	4014.97	-153.54	40.00	592.39	1655547.01	14363650.13	39°33'14.3867"N	80°56'46.7588"W	593.74	86.137	1.50	-0.51	6.51	
4164.00	12.250	87.150	4106.82	-159.01	41.03	612.34	1655566.95	14363651.16	39°33'14.3967"N	80°56'46.5041"W	613.71	86.166	0.06	-0.04	0.21	
4259.00	9.900	89.300	4200.04	-164.33	41.63	630.57	1655585.18	14363651.76	39°33'14.4025"N	80°56'46.2713"W	631.95	86.223	2.51	-2.47	2.26	
4354.00	8.780	89.120	4293.78	-169.11	41.84	645.99	1655600.59	14363651.97	39°33'14.4045"N	80°56'46.0745"W	647.34	86.294	1.18	-1.18	-0.19	
4448.00	7.780	81.860	4386.80	-172.51	42.85	659.46	1655614.06	14363652.98	39°33'14.4144"N	80°56'45.9025"W	660.85	86.282	1.54	-1.06	-7.72	
4542.00	9.610	80.960	4479.72	-175.03	44.99	673.51	1655628.10	14363655.11	39°33'14.4354"N	80°56'45.7231"W	675.01	86.178	1.95	1.95	-0.96	
4637.00	10.550	80.030	4573.25	-177.72	47.74	689.91	1655644.49	14363657.86	39°33'14.4625"N	80°56'45.5137"W	691.56	86.042	1.00	0.99	-0.98	
4731.00	9.630	73.060	4665.80	-179.31	51.52	705.91	1655660.48	14363661.64	39°33'14.4998"N	80°56'45.3095"W	707.78	85.826	1.62	-0.98	-7.41	
4826.00	9.800	83.750	4759.45	-181.34	54.72	721.55	1655676.12	14363664.84	39°33'14.5313"N	80°56'45.1098"W	723.62	85.663	1.90	0.18	11.25	
4921.00	10.170	81.610	4853.01	-184.63	56.82	737.88	1655692.44	14363666.94	39°33'14.5520"N	80°56'44.9012"W	740.06	85.597	0.55	0.39	-2.25	
5015.00	9.630	93.580	4945.62	-189.14	57.54	753.94	1655708.50	14363667.66	39°33'14.5590"N	80°56'44.6962"W	756.13	85.636	2.26	-0.57	12.73	
5110.00	9.020	91.980	5039.36	-194.82	56.79	769.31	1655723.86	14363666.90	39°33'14.5515"N	80°56'44.5000"W	771.40	85.778	0.70	-0.64	-1.68	
5204.00	8.050	88.870	5132.32	-199.44	56.66	783.26	1655737.80	14363666.78	39°33'14.5502"N	80°56'44.3219"W	785.30	85.862	1.14	-1.03	-3.31	
5299.00	9.820	86.140	5226.16	-203.56	57.34	797.99	1655752.53	14363667.46	39°33'14.5568"N	80°56'44.1338"W	800.05	85.890	1.92	1.86	-2.87	
5394.00	10.120	86.010	5319.73	-207.80	58.47	814.40	1655768.93	14363668.58	39°33'14.5678"N	80°56'43.9243"W	816.50	85.894	0.32	0.32	-0.14	

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Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
5427.00	10.220	80.410	5352.21	-209.01	59.15	820.18	1655774.71	14363669.27	39°33'14.5746"N	80°56'43.8505"W	822.31	85.875	3.01	0.30	-16.97	
5475.00	9.480	78.600	5399.50	-210.21	60.65	828.25	1655782.78	14363670.76	39°33'14.5893"N	80°56'43.7474"W	830.47	85.812	1.67	-1.54	-3.77	BH Lucida <8-1/2"> (5427')(5475'-19387')
5521.00	8.960	70.730	5444.91	-210.67	62.58	835.35	1655789.87	14363672.69	39°33'14.6083"N	80°56'43.6568"W	837.69	85.716	2.96	-1.13	-17.11	
5615.00	9.830	24.880	5537.77	-204.81	72.29	845.65	1655800.17	14363682.40	39°33'14.7042"N	80°56'43.5253"W	848.73	85.114	7.80	0.93	-48.78	
5710.00	14.290	12.910	5630.67	-188.97	91.08	851.68	1655806.20	14363701.19	39°33'14.8899"N	80°56'43.4481"W	856.54	83.896	5.36	4.69	-12.60	
5805.00	20.600	13.320	5721.25	-164.83	118.80	858.16	1655812.68	14363728.89	39°33'15.1639"N	80°56'43.3652"W	866.34	82.118	6.64	6.64	0.43	
5900.00	26.970	9.110	5808.15	-131.62	156.38	865.43	1655819.94	14363766.45	39°33'15.5352"N	80°56'43.2721"W	879.44	79.758	6.94	6.71	-4.43	
5994.00	34.410	4.890	5888.93	-88.42	203.96	871.08	1655825.59	14363814.02	39°33'16.0054"N	80°56'43.1996"W	894.64	76.822	8.24	7.91	-4.49	
6083.00†	41.161	0.937	5959.24	-37.77	258.37	873.70	1655828.21	14363868.41	39°33'16.5432"N	80°56'43.1657"W	911.10	73.526	8.06	7.58	-4.44	Sycamore: 6083' MD
6089.00	41.620	0.710	5963.74	-34.04	262.34	873.76	1655828.27	14363872.37	39°33'16.5824"N	80°56'43.1649"W	912.29	73.288	8.06	7.66	-3.79	
6183.00	49.540	354.880	6029.51	30.25	329.31	870.95	1655825.46	14363939.31	39°33'17.2442"N	80°56'43.2003"W	931.13	69.288	9.51	8.43	-6.20	
6227.00†	52.928	354.218	6057.06	63.62	363.45	867.69	1655822.20	14363973.45	39°33'17.5817"N	80°56'43.2417"W	940.73	67.272	7.79	7.70	-1.51	Middlesex: 6227' MD
6278.00	56.860	353.520	6086.38	104.31	404.93	863.22	1655817.74	14364014.90	39°33'17.9917"N	80°56'43.2983"W	953.48	64.869	7.79	7.71	-1.37	
6372.00	64.690	353.870	6132.24	184.32	486.40	854.23	1655808.75	14364096.35	39°33'18.7970"N	80°56'43.4125"W	983.01	60.343	8.34	8.33	0.37	
6385.00†	65.727	353.950	6137.69	195.83	498.14	852.98	1655807.50	14364108.08	39°33'18.9130"N	80°56'43.4284"W	987.78	59.715	8.00	7.98	0.62	Burkett: 6385' MD
6453.00†	71.153	354.351	6162.67	257.43	561.03	846.54	1655801.06	14364170.94	39°33'19.5346"N	80°56'43.5101"W	1015.57	56.466	8.00	7.98	0.59	Marcellus POE: 6435' MD
6467.00	72.270	354.430	6167.06	270.37	574.26	845.24	1655799.76	14364184.17	39°33'19.6653"N	80°56'43.5266"W	1021.86	55.808	8.00	7.98	0.56	
6562.00	79.760	352.320	6190.01	360.40	665.75	834.59	1655789.11	14364275.62	39°33'20.5696"N	80°56'43.6619"W	1067.60	51.421	8.17	7.88	-2.22	
6656.00	85.010	352.660	6202.46	451.72	758.09	822.42	1655776.95	14364367.93	39°33'21.4823"N	80°56'43.8166"W	1118.51	47.331	5.60	5.59	0.36	
6751.00	90.310	350.200	6206.34	545.07	851.91	808.27	1655762.81	14364461.71	39°33'22.4097"N	80°56'43.9964"W	1174.33	43.494	6.15	5.58	-2.59	
6846.00	90.340	346.610	6205.80	639.30	944.95	789.18	1655743.73	14364554.71	39°33'23.3294"N	80°56'44.2394"W	1231.16	39.867	3.78	0.03	-3.78	
6940.00	90.250	344.100	6205.31	733.03	1035.89	765.42	1655719.97	14364645.62	39°33'24.2283"N	80°56'44.5421"W	1288.00	36.461	2.67	-0.10	-2.67	
7035.00	90.370	344.430	6204.80	827.89	1127.33	739.66	1655694.22	14364737.02	39°33'25.1321"N	80°56'44.8703"W	1348.32	33.269	0.37	0.13	0.35	
7130.00	90.520	344.950	6204.06	922.71	1218.96	714.57	1655669.15	14364828.61	39°33'26.0378"N	80°56'45.1899"W	1412.96	30.380	0.57	0.16	0.55	
7224.00	90.710	342.310	6203.05	1016.61	1309.13	688.08	1655642.67	14364918.75	39°33'26.9292"N	80°56'45.5273"W	1478.95	27.727	2.82	0.20	-2.81	
7319.00	91.660	343.590	6201.09	1111.54	1399.93	660.24	1655614.83	14365009.51	39°33'27.8268"N	80°56'45.8822"W	1547.81	25.249	1.68	1.00	1.35	
7413.00	90.710	342.400	6199.14	1205.46	1489.80	632.75	1655587.36	14365099.34	39°33'28.7152"N	80°56'46.2324"W	1618.61	23.012	1.62	-1.01	-1.27	
7508.00	90.740	342.770	6197.94	1300.43	1580.44	604.32	1655558.94	14365189.95	39°33'29.6111"N	80°56'46.5947"W	1692.04	20.926	0.39	0.03	0.39	
7602.00	91.020	342.050	6196.50	1394.39	1670.03	575.92	1655530.55	14365279.50	39°33'30.4968"N	80°56'46.9567"W	1766.55	19.027	0.82	0.30	-0.77	
7697.00	90.890	342.730	6194.92	1489.36	1760.57	547.18	1655501.82	14365370.00	39°33'31.3917"N	80°56'47.3229"W	1843.64	17.265	0.73	-0.14	0.72	

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Actual Wellpath Report

Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
7792.00	90.950	341.560	6193.39	1584.33	1850.98	518.06	1655472.71	14365460.38	39°33'32.2855"N	80°56'47.6940"W	1922.11	15.636	1.23	0.06	-1.23	
7886.00	90.980	340.070	6191.81	1678.31	1939.75	487.17	1655441.84	14365549.11	39°33'33.1629"N	80°56'48.0877"W	1999.99	14.098	1.59	0.03	-1.59	
7981.00	90.860	341.840	6190.28	1773.29	2029.53	456.18	1655410.86	14365638.85	39°33'34.0505"N	80°56'48.4827"W	2080.17	12.668	1.87	-0.13	1.86	
8076.00	90.860	342.570	6188.86	1868.27	2119.97	427.15	1655381.84	14365729.26	39°33'34.9445"N	80°56'48.8527"W	2162.58	11.392	0.77	0.00	0.77	
8170.00	90.890	342.350	6187.42	1962.23	2209.59	398.82	1655353.52	14365818.85	39°33'35.8304"N	80°56'49.2136"W	2245.30	10.232	0.24	0.03	-0.23	
8264.00	90.740	342.080	6186.08	2056.20	2299.09	370.11	1655324.83	14365908.31	39°33'36.7151"N	80°56'49.5795"W	2328.69	9.145	0.33	-0.16	-0.29	
8359.00	90.860	342.480	6184.76	2151.18	2389.58	341.20	1655295.93	14365998.76	39°33'37.6096"N	80°56'49.9480"W	2413.81	8.126	0.44	0.13	0.42	
8454.00	90.800	342.290	6183.38	2246.14	2480.11	312.46	1655267.19	14366089.25	39°33'38.5045"N	80°56'50.3143"W	2499.72	7.181	0.21	-0.06	-0.20	
8548.00	90.800	342.040	6182.07	2340.12	2569.59	283.67	1655238.42	14366178.69	39°33'39.3890"N	80°56'50.6812"W	2585.20	6.300	0.27	0.00	-0.27	
8643.00	90.860	342.130	6180.69	2435.10	2659.97	254.45	1655209.21	14366269.04	39°33'40.2824"N	80°56'51.0536"W	2672.11	5.464	0.11	0.06	0.09	
8737.00	90.800	342.050	6179.33	2529.08	2749.40	225.55	1655180.32	14366358.44	39°33'41.1665"N	80°56'51.4220"W	2758.64	4.690	0.11	-0.06	-0.09	
8832.00	90.830	339.540	6177.98	2624.06	2839.10	194.30	1655149.08	14366448.10	39°33'42.0532"N	80°56'51.8203"W	2845.74	3.915	2.64	0.03	-2.64	
8927.00	90.710	340.010	6176.70	2719.02	2928.24	161.46	1655116.26	14366537.20	39°33'42.9343"N	80°56'52.2389"W	2932.68	3.156	0.51	-0.13	0.49	
9021.00	90.650	340.180	6175.59	2813.00	3016.61	129.46	1655084.27	14366625.54	39°33'43.8080"N	80°56'52.6468"W	3019.39	2.457	0.19	-0.06	0.18	
9116.00	90.620	340.460	6174.53	2907.98	3106.06	97.47	1655052.29	14366714.95	39°33'44.6921"N	80°56'53.0546"W	3107.59	1.797	0.30	-0.03	0.29	
9210.00	90.650	339.980	6173.49	3001.96	3194.51	65.66	1655020.50	14366803.36	39°33'45.5665"N	80°56'53.4601"W	3195.18	1.178	0.51	0.03	-0.51	
9305.00	90.620	340.160	6172.44	3096.94	3283.81	33.28	1654988.13	14366892.63	39°33'46.4493"N	80°56'53.8729"W	3283.98	0.581	0.19	-0.03	0.19	
9400.00	90.580	339.720	6171.44	3191.91	3373.04	0.70	1654955.56	14366981.83	39°33'47.3314"N	80°56'54.2883"W	3373.04	0.012	0.47	-0.04	-0.46	
9589.00	90.650	339.910	6169.42	3380.85	3550.43	-64.51	1654890.37	14367159.14	39°33'49.0849"N	80°56'55.1196"W	3551.01	358.959	0.11	0.04	0.10	
9684.00	90.580	340.070	6168.40	3475.83	3639.69	-97.02	1654857.88	14367248.36	39°33'49.9672"N	80°56'55.5340"W	3640.98	358.473	0.18	-0.07	0.17	
9778.00	90.650	340.040	6167.39	3569.80	3728.04	-129.08	1654825.83	14367336.68	39°33'50.8406"N	80°56'55.9428"W	3730.28	358.017	0.08	0.07	-0.03	
9873.00	90.580	339.950	6166.37	3664.78	3817.31	-161.58	1654793.35	14367425.91	39°33'51.7230"N	80°56'56.3571"W	3820.72	357.576	0.12	-0.07	-0.09	
9968.00	90.580	340.490	6165.41	3759.76	3906.70	-193.73	1654761.21	14367515.27	39°33'52.6067"N	80°56'56.7669"W	3911.50	357.161	0.57	0.00	0.57	
10063.00	90.740	341.160	6164.31	3854.75	3996.42	-224.93	1654730.02	14367604.95	39°33'53.4936"N	80°56'57.1647"W	4002.74	356.779	0.73	0.17	0.71	
10157.00	90.620	341.410	6163.20	3948.75	4085.44	-255.09	1654699.88	14367693.94	39°33'54.3736"N	80°56'57.5491"W	4093.40	356.427	0.29	-0.13	0.27	
10252.00	90.580	340.420	6162.20	4043.74	4175.21	-286.15	1654668.83	14367783.68	39°33'55.2610"N	80°56'57.9451"W	4185.01	356.079	1.04	-0.04	-1.04	
10346.00	90.580	341.620	6161.25	4137.73	4264.10	-316.72	1654638.27	14367872.52	39°33'56.1397"N	80°56'58.3348"W	4275.84	355.752	1.28	0.00	1.28	
10441.00	90.580	341.630	6160.29	4232.72	4354.25	-346.66	1654608.34	14367962.64	39°33'57.0308"N	80°56'58.7165"W	4368.03	355.448	0.01	0.00	0.01	
10536.00	90.920	341.720	6159.04	4327.71	4444.42	-376.53	1654578.48	14368052.78	39°33'57.9222"N	80°56'59.0972"W	4460.34	355.157	0.37	0.36	0.09	
10630.00	91.020	341.740	6157.45	4421.69	4533.67	-405.99	1654549.03	14368141.99	39°33'58.8044"N	80°56'59.4728"W	4551.81	354.883	0.11	0.11	0.02	

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Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
10725.00	91.050	341.200	6155.74	4516.68	4623.73	-436.18	1654518.86	14368232.01	39°33'59.6947"N	80°56'59.8576"W	4644.26	354.611	0.57	0.03	-0.57	
10819.00	91.080	341.380	6153.99	4610.66	4712.75	-466.33	1654488.72	14368321.00	39°34'0.5746"N	80°57'0.2419"W	4735.76	354.349	0.19	0.03	0.19	
10914.00	90.950	341.200	6152.31	4705.64	4802.71	-496.80	1654458.26	14368410.93	39°34'1.4639"N	80°57'0.6303"W	4828.34	354.094	0.23	-0.14	-0.19	
11009.00	91.020	341.180	6150.67	4800.63	4892.63	-527.42	1654427.65	14368500.80	39°34'2.3527"N	80°57'1.0208"W	4920.97	353.847	0.08	0.07	-0.02	
11103.00	90.950	341.190	6149.06	4894.62	4981.59	-557.73	1654397.35	14368589.73	39°34'3.2321"N	80°57'1.4072"W	5012.72	353.612	0.08	-0.07	0.01	
11198.00	91.080	341.200	6147.37	4989.60	5071.51	-588.35	1654366.74	14368679.61	39°34'4.1210"N	80°57'1.7975"W	5105.52	353.383	0.14	0.14	0.01	
11292.00	90.980	340.330	6145.68	5083.58	5160.24	-619.32	1654335.79	14368768.31	39°34'4.9981"N	80°57'2.1923"W	5197.27	353.156	0.93	-0.11	-0.93	
11387.00	90.680	339.260	6144.31	5178.55	5249.39	-652.12	1654303.00	14368857.42	39°34'5.8793"N	80°57'2.6106"W	5289.74	352.919	1.17	-0.32	-1.13	
11482.00	90.770	341.120	6143.11	5273.52	5338.75	-684.31	1654270.82	14368946.75	39°34'6.7628"N	80°57'3.0210"W	5382.43	352.696	1.96	0.09	1.96	
11576.00	90.580	340.420	6142.00	5367.51	5427.50	-715.27	1654239.88	14369035.46	39°34'7.6400"N	80°57'3.4157"W	5474.43	352.492	0.77	-0.20	-0.74	
11671.00	90.860	341.380	6140.81	5462.50	5517.26	-746.35	1654208.81	14369125.19	39°34'8.5274"N	80°57'3.8120"W	5567.52	352.296	1.05	0.29	1.01	
11765.00	90.770	341.370	6139.47	5556.49	5606.33	-776.37	1654178.80	14369214.22	39°34'9.4078"N	80°57'4.1947"W	5659.83	352.116	0.10	-0.10	-0.01	
11860.00	90.520	340.760	6138.40	5651.48	5696.19	-807.20	1654147.99	14369304.04	39°34'10.2960"N	80°57'4.5877"W	5753.09	351.934	0.69	-0.26	-0.64	
11955.00	90.520	340.650	6137.54	5746.48	5785.85	-838.59	1654116.61	14369393.66	39°34'11.1823"N	80°57'4.9879"W	5846.30	351.753	0.12	0.00	-0.12	
12049.00	90.680	341.590	6136.55	5840.47	5874.78	-869.00	1654086.21	14369482.56	39°34'12.0614"N	80°57'5.3757"W	5938.71	351.586	1.01	0.17	1.00	
12144.00	90.680	341.140	6135.42	5935.46	5964.80	-899.36	1654055.86	14369572.54	39°34'12.9512"N	80°57'5.7627"W	6032.22	351.426	0.47	0.00	-0.47	
12238.00	90.550	340.850	6134.42	6029.46	6053.67	-929.97	1654025.27	14369661.37	39°34'13.8297"N	80°57'6.1529"W	6124.68	351.266	0.34	-0.14	-0.31	
12333.00	90.550	341.270	6133.50	6124.45	6143.52	-960.80	1653994.45	14369751.19	39°34'14.7179"N	80°57'6.5460"W	6218.20	351.111	0.44	0.00	0.44	
12428.00	90.620	341.420	6132.53	6219.45	6233.52	-991.19	1653964.07	14369841.16	39°34'15.6076"N	80°57'6.9334"W	6311.83	350.965	0.17	0.07	0.16	
12522.00	90.620	341.170	6131.52	6313.44	6322.55	-1021.33	1653933.94	14369930.15	39°34'16.4877"N	80°57'7.3178"W	6404.51	350.824	0.27	0.00	-0.27	
12617.00	90.680	341.310	6130.44	6408.44	6412.50	-1051.88	1653903.40	14370020.06	39°34'17.3768"N	80°57'7.7073"W	6498.20	350.684	0.16	0.06	0.15	
12711.00	90.520	341.150	6129.45	6502.43	6501.50	-1082.12	1653873.17	14370109.02	39°34'18.2565"N	80°57'8.0929"W	6590.94	350.550	0.24	-0.17	-0.17	
12806.00	90.520	341.130	6128.59	6597.43	6591.39	-1112.83	1653842.48	14370198.88	39°34'19.1452"N	80°57'8.4844"W	6684.67	350.417	0.02	0.00	-0.02	
12900.00	90.680	341.040	6127.61	6691.42	6680.31	-1143.30	1653812.02	14370287.77	39°34'20.0241"N	80°57'8.8729"W	6777.44	350.288	0.20	0.17	-0.10	
12995.00	90.550	341.270	6126.59	6786.42	6770.21	-1173.99	1653781.35	14370377.63	39°34'20.9128"N	80°57'9.2641"W	6871.25	350.162	0.28	-0.14	0.24	
13089.00	90.520	341.140	6125.71	6880.41	6859.20	-1204.27	1653751.07	14370466.58	39°34'21.7924"N	80°57'9.6503"W	6964.11	350.042	0.14	-0.03	-0.14	
13184.00	90.650	341.250	6124.74	6975.41	6949.12	-1234.89	1653720.46	14370556.47	39°34'22.6813"N	80°57'10.0407"W	7057.99	349.923	0.18	0.14	0.12	
13279.00	90.550	341.250	6123.75	7070.40	7039.07	-1265.43	1653689.94	14370646.39	39°34'23.5705"N	80°57'10.4300"W	7151.91	349.809	0.11	-0.11	0.00	
13373.00	90.680	341.070	6122.74	7164.40	7128.03	-1295.78	1653659.60	14370735.31	39°34'24.4499"N	80°57'10.8171"W	7244.85	349.697	0.24	0.14	-0.19	
13468.00	90.740	342.340	6121.56	7259.38	7218.22	-1325.60	1653629.79	14370825.46	39°34'25.3414"N	80°57'11.1973"W	7338.93	349.594	1.34	0.06	1.34	

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Actual Wellpath Report

Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
13562.00	90.710	341.110	6120.37	7353.37	7307.47	-1355.07	1653600.33	14370914.68	39°34'26.2236"N	80°57'11.5730"W	7432.05	349.495	1.31	-0.03	-1.31	
13657.00	90.710	341.610	6119.19	7448.36	7397.48	-1385.43	1653569.98	14371004.65	39°34'27.1133"N	80°57'11.9602"W	7526.10	349.392	0.53	0.00	0.53	
13752.00	90.520	341.270	6118.17	7543.35	7487.54	-1415.67	1653539.76	14371094.67	39°34'28.0035"N	80°57'12.3457"W	7620.19	349.293	0.41	-0.20	-0.36	
13846.00	90.740	341.380	6117.14	7637.35	7576.58	-1445.77	1653509.67	14371183.68	39°34'28.8837"N	80°57'12.7295"W	7713.29	349.197	0.26	0.23	0.12	
13941.00	90.490	340.790	6116.12	7732.34	7666.45	-1476.56	1653478.89	14371273.51	39°34'29.7720"N	80°57'13.1221"W	7807.34	349.098	0.67	-0.26	-0.62	
14036.00	90.180	340.900	6115.56	7827.34	7756.18	-1507.73	1653447.73	14371363.21	39°34'30.6591"N	80°57'13.5196"W	7901.37	348.999	0.35	-0.33	0.12	
14130.00	90.000	341.550	6115.42	7921.34	7845.18	-1537.99	1653417.49	14371452.17	39°34'31.5388"N	80°57'13.9054"W	7994.52	348.908	0.72	-0.19	0.69	
14225.00	90.120	341.320	6115.32	8016.34	7935.24	-1568.23	1653387.26	14371542.19	39°34'32.4290"N	80°57'14.2911"W	8088.72	348.821	0.27	0.13	-0.24	
14319.00	90.120	341.200	6115.12	8110.33	8024.25	-1598.43	1653357.07	14371631.17	39°34'33.3090"N	80°57'14.6761"W	8181.91	348.734	0.13	0.00	-0.13	
14414.00	90.180	341.300	6114.87	8205.33	8114.21	-1628.97	1653326.55	14371721.09	39°34'34.1982"N	80°57'15.0655"W	8276.11	348.648	0.12	0.06	0.11	
14508.00	90.090	341.130	6114.65	8299.33	8203.21	-1659.24	1653296.29	14371810.05	39°34'35.0779"N	80°57'15.4515"W	8369.33	348.565	0.20	-0.10	-0.18	
14602.00	90.090	340.930	6114.50	8393.33	8292.10	-1689.79	1653265.74	14371898.91	39°34'35.9566"N	80°57'15.8412"W	8462.52	348.482	0.21	0.00	-0.21	
14697.00	89.420	341.350	6114.91	8488.33	8382.00	-1720.50	1653235.05	14371988.77	39°34'36.8452"N	80°57'16.2328"W	8556.75	348.400	0.83	-0.71	0.44	
14792.00	90.310	343.080	6115.13	8583.31	8472.45	-1749.52	1653206.04	14372079.19	39°34'37.7394"N	80°57'16.6027"W	8651.20	348.333	2.05	0.94	1.82	
14887.00	91.020	342.750	6114.03	8678.26	8563.25	-1777.43	1653178.15	14372169.95	39°34'38.6369"N	80°57'16.9586"W	8745.77	348.274	0.82	0.75	-0.35	
14982.00	90.620	341.380	6112.67	8773.23	8653.63	-1806.68	1653148.91	14372260.29	39°34'39.5302"N	80°57'17.3315"W	8840.21	348.207	1.50	-0.42	-1.44	
15077.00	90.150	340.480	6112.03	8868.23	8743.41	-1837.72	1653117.88	14372350.04	39°34'40.4177"N	80°57'17.7273"W	8934.45	348.130	1.07	-0.49	-0.95	
15172.00	90.550	341.450	6111.45	8963.23	8833.21	-1868.70	1653086.91	14372439.80	39°34'41.3054"N	80°57'18.1225"W	9028.71	348.055	1.10	0.42	1.02	
15267.00	90.280	341.160	6110.76	9058.22	8923.20	-1899.15	1653056.48	14372529.75	39°34'42.1949"N	80°57'18.5108"W	9123.06	347.985	0.42	-0.28	-0.31	
15362.00	90.060	340.780	6110.48	9153.22	9013.00	-1930.12	1653025.51	14372619.52	39°34'43.0827"N	80°57'18.9058"W	9217.35	347.913	0.46	-0.23	-0.40	
15456.00	90.620	341.400	6109.92	9247.22	9101.93	-1960.59	1652995.06	14372708.41	39°34'43.9617"N	80°57'19.2943"W	9310.69	347.844	0.89	0.60	0.66	
15550.00	90.620	341.310	6108.91	9341.21	9190.99	-1990.64	1652965.02	14372797.44	39°34'44.8420"N	80°57'19.6775"W	9404.09	347.779	0.10	0.00	-0.10	
15645.00	90.710	341.700	6107.80	9436.21	9281.08	-2020.77	1652934.90	14372887.49	39°34'45.7325"N	80°57'20.0618"W	9498.52	347.717	0.42	0.09	0.41	
15740.00	90.180	339.270	6107.07	9531.19	9370.61	-2052.50	1652903.18	14372976.99	39°34'46.6176"N	80°57'20.4665"W	9592.76	347.645	2.62	-0.56	-2.56	
15834.00	90.430	340.930	6106.57	9625.17	9458.99	-2084.50	1652871.20	14373065.33	39°34'47.4912"N	80°57'20.8745"W	9685.95	347.572	1.79	0.27	1.77	
15929.00	90.310	340.810	6105.95	9720.17	9548.74	-2115.63	1652840.08	14373155.05	39°34'48.3784"N	80°57'21.2715"W	9780.31	347.507	0.18	-0.13	-0.13	
16023.00	90.430	341.360	6105.35	9814.16	9637.67	-2146.10	1652809.62	14373243.93	39°34'49.2574"N	80°57'21.6601"W	9873.72	347.446	0.60	0.13	0.59	
16118.00	90.180	340.780	6104.84	9909.16	9727.53	-2176.92	1652778.82	14373333.76	39°34'50.1456"N	80°57'22.0532"W	9968.14	347.386	0.66	-0.26	-0.61	
16212.00	90.370	340.920	6104.39	10003.16	9816.32	-2207.75	1652747.99	14373422.52	39°34'51.0234"N	80°57'22.4464"W	10061.53	347.325	0.25	0.20	0.15	
16307.00	90.030	339.580	6104.06	10098.14	9905.73	-2239.85	1652715.91	14373511.89	39°34'51.9072"N	80°57'22.8559"W	10155.81	347.259	1.46	-0.36	-1.41	

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Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
16401.00	90.680	341.250	6103.47	10192.13	9994.29	-2271.36	1652684.41	14373600.41	39°34'52.7826"N	80°57'23.2577"W	10249.14	347.196	1.91	0.69	1.78	
16496.00	90.550	341.290	6102.46	10287.12	10084.25	-2301.87	1652653.92	14373690.34	39°34'53.6719"N	80°57'23.6468"W	10343.63	347.142	0.14	-0.14	0.04	
16591.00	90.710	341.490	6101.41	10382.12	10174.28	-2332.18	1652623.62	14373780.33	39°34'54.5618"N	80°57'24.0334"W	10438.15	347.090	0.27	0.17	0.21	
16686.00	90.650	341.360	6100.28	10477.11	10264.33	-2362.44	1652593.37	14373870.34	39°34'55.4518"N	80°57'24.4193"W	10532.69	347.039	0.15	-0.06	-0.14	
16780.00	90.580	339.140	6099.27	10571.09	10352.78	-2394.20	1652561.62	14373958.77	39°34'56.3262"N	80°57'24.8244"W	10626.02	346.979	2.36	-0.07	-2.36	
16875.00	90.520	341.000	6098.36	10666.06	10442.09	-2426.58	1652529.25	14374048.03	39°34'57.2090"N	80°57'25.2374"W	10720.33	346.918	1.96	-0.06	1.96	
16969.00	90.000	341.250	6097.94	10760.06	10531.03	-2456.99	1652498.86	14374136.94	39°34'58.0882"N	80°57'25.6252"W	10813.85	346.867	0.61	-0.55	0.27	
17064.00	90.060	341.000	6097.89	10855.06	10620.92	-2487.72	1652468.14	14374226.80	39°34'58.9768"N	80°57'26.0172"W	10908.38	346.817	0.27	0.06	-0.26	
17159.00	90.090	341.300	6097.76	10950.06	10710.83	-2518.42	1652437.46	14374316.66	39°34'59.8654"N	80°57'26.4087"W	11002.92	346.768	0.32	0.03	0.32	
17254.00	90.030	341.370	6097.66	11045.06	10800.83	-2548.82	1652407.06	14374406.63	39°35'0.7551"N	80°57'26.7964"W	11097.50	346.722	0.10	-0.06	0.07	
17348.00	89.910	341.120	6097.71	11139.06	10889.84	-2579.04	1652376.85	14374495.60	39°35'1.6349"N	80°57'27.1819"W	11191.07	346.676	0.30	-0.13	-0.27	
17443.00	90.250	341.220	6097.58	11234.06	10979.76	-2609.70	1652346.20	14374585.48	39°35'2.5237"N	80°57'27.5730"W	11285.64	346.630	0.37	0.36	0.11	
17538.00	89.970	341.190	6097.40	11329.06	11069.69	-2640.31	1652315.61	14374675.38	39°35'3.4127"N	80°57'27.9634"W	11380.21	346.585	0.30	-0.29	-0.03	
17633.00	89.570	341.180	6097.78	11424.06	11159.61	-2670.95	1652284.98	14374765.27	39°35'4.3016"N	80°57'28.3542"W	11474.79	346.540	0.42	-0.42	-0.01	
17727.00	89.570	341.130	6098.48	11518.06	11248.57	-2701.31	1652254.63	14374854.19	39°35'5.1809"N	80°57'28.7414"W	11568.38	346.496	0.05	0.00	-0.05	
17821.00	89.720	340.930	6099.07	11612.05	11337.46	-2731.87	1652224.09	14374943.05	39°35'6.0596"N	80°57'29.1312"W	11661.95	346.452	0.27	0.16	-0.21	
17916.00	89.600	341.220	6099.63	11707.05	11427.33	-2762.68	1652193.29	14375032.88	39°35'6.9479"N	80°57'29.5241"W	11756.54	346.409	0.33	-0.13	0.31	
18011.00	89.630	340.870	6100.27	11802.05	11517.17	-2793.54	1652162.45	14375122.69	39°35'7.8360"N	80°57'29.9177"W	11851.12	346.366	0.37	0.03	-0.37	
18105.00	89.420	340.920	6101.05	11896.04	11605.99	-2824.30	1652131.69	14375211.47	39°35'8.7140"N	80°57'30.3102"W	11944.70	346.323	0.23	-0.22	0.05	
18200.00	89.420	341.360	6102.01	11991.04	11695.89	-2855.01	1652101.00	14375301.33	39°35'9.6026"N	80°57'30.7018"W	12039.30	346.282	0.46	0.00	0.46	
18294.00	89.380	341.340	6102.99	12085.03	11784.95	-2885.07	1652070.95	14375390.35	39°35'10.4829"N	80°57'31.0852"W	12132.95	346.244	0.05	-0.04	-0.02	
18389.00	89.290	340.380	6104.10	12180.03	11874.69	-2916.21	1652039.82	14375480.06	39°35'11.3700"N	80°57'31.4825"W	12227.53	346.202	1.01	-0.09	-1.01	
18483.00	89.420	341.310	6105.15	12274.02	11963.48	-2947.06	1652008.99	14375568.81	39°35'12.2476"N	80°57'31.8759"W	12321.12	346.161	1.00	0.14	0.99	
18578.00	89.380	341.150	6106.15	12369.01	12053.42	-2977.62	1651978.43	14375658.72	39°35'13.1367"N	80°57'32.2658"W	12415.76	346.124	0.17	-0.04	-0.17	
18673.00	89.320	341.130	6107.23	12464.01	12143.31	-3008.33	1651947.74	14375748.57	39°35'14.0253"N	80°57'32.6575"W	12510.40	346.086	0.07	-0.06	-0.02	
18767.00	89.480	341.400	6108.21	12558.00	12232.33	-3038.52	1651917.56	14375837.55	39°35'14.9051"N	80°57'33.0426"W	12604.06	346.050	0.33	0.17	0.29	
18862.00	89.600	341.170	6108.97	12653.00	12322.30	-3069.00	1651887.09	14375927.49	39°35'15.7945"N	80°57'33.4314"W	12698.74	346.014	0.27	0.13	-0.24	
18957.00	89.350	341.140	6109.84	12747.99	12412.21	-3099.69	1651856.42	14376017.36	39°35'16.6832"N	80°57'33.8228"W	12793.39	345.978	0.27	-0.26	-0.03	
19051.00	89.320	341.210	6110.93	12841.99	12501.17	-3130.01	1651826.10	14376106.29	39°35'17.5626"N	80°57'34.2097"W	12887.06	345.943	0.08	-0.03	0.07	
19145.00	89.170	341.330	6112.17	12935.98	12590.19	-3160.20	1651795.93	14376195.27	39°35'18.4425"N	80°57'34.5947"W	12980.74	345.910	0.20	-0.16	0.13	

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Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

WELLPATH DATA (214 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
19240.00	89.320	340.970	6113.42	13030.97	12680.08	-3190.89	1651765.25	14376285.13	39°35'19.3311"N	80°57'34.9862"W	13075.41	345.875	0.41	0.16	-0.38	
19335.00	89.320	340.990	6114.55	13125.96	12769.89	-3221.85	1651734.31	14376374.90	39°35'20.2188"N	80°57'35.3811"W	13170.06	345.840	0.02	0.00	0.02	
19387.00	89.450	341.140	6115.11	13177.96	12819.07	-3238.72	1651717.44	14376424.06	39°35'20.7050"N	80°57'35.5964"W	13221.87	345.821	0.38	0.25	0.29	
19412.00‡	89.450	341.140	6115.35	13202.96	12842.73	-3246.80	1651709.36	14376447.71	39°35'20.9388"N	80°57'35.6994"W	13246.79	345.812	0.00	0.00	0.00	Projected MD at TD: 19412'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = **7.02**

Reference: IADC/SPE 59196

Values	Wellpath characterized as:
< 6.0	Relatively short or simple profiles with low tortuosity
< 6.0-6.4	Shorter with high tortuosity or longer with lower tortuosity

Values	Wellpath characterized as:
6.4-6.8	Longer with relatively tortuous well paths
> 6.8	Long tortuous profiles, high degree of difficulty

HOLE & CASING SECTIONS - Ref Wellbore: Burke Unit 2H AWB Ref Wellpath: Burke Unit 2H AWP Proj: 19412'

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	30.00	130.00	100.00	30.00	130.00	0.00	0.00	0.29	-0.26
17 1/2in Open Hole	130.00	466.00	336.00	130.00	466.00	0.29	-0.26	0.62	0.38
13 3/8in Casing Surface	30.00	443.00	413.00	30.00	443.00	0.00	0.00	0.63	0.24
12 1/4in Open Hole	466.00	3112.00	2646.00	466.00	3076.78	0.62	0.38	10.69	405.40
9 5/8in Casing Intermediate	30.00	3082.00	3052.00	30.00	3047.02	0.00	0.00	9.78	401.79
8 3/4in Open Hole	3112.00	5500.00	2388.00	3076.78	5424.17	10.69	405.40	61.59	832.19
8 1/2in Open Hole	5500.00	19412.00	13912.00	5424.17	6115.35	61.59	832.19	12842.73	-3246.80
5 1/2in Casing Production	30.00	19392.00	19362.00	30.00	6115.16	0.00	0.00	12823.80	-3240.33

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Burke Unit 2H BHL Rev-4	6091.03	12838.43	-3245.83	1651710.33	14376443.42	39°35'20.8963"N	80°57'35.6871"W	point
Burke Unit 2H BHL Rev-2	6118.94	12916.84	-3272.60	1651683.57	14376521.79	39°35'21.6714"N	80°57'36.0286"W	point
Burke Unit 2H BHL Rev-3	6119.38	12838.44	-3245.83	1651710.33	14376443.42	39°35'20.8964"N	80°57'35.6871"W	point
Burke Unit 2H POE Rev-2	6143.00	539.69	853.00	1655807.52	14364149.61	39°33'19.3236"N	80°56'43.4278"W	point
Burke Unit 2H POE Rev-1	6156.50	539.69	853.00	1655807.52	14364149.61	39°33'19.3236"N	80°56'43.4278"W	point
Burke Unit 2H POE Rev-3	6157.00	539.69	853.00	1655807.52	14364149.61	39°33'19.3236"N	80°56'43.4278"W	point
Burke Unit 2H AZI Rev-2	6183.19	1304.11	693.08	1655647.67	14364913.73	39°33'26.8796"N	80°56'45.4636"W	point
Burke Unit 2H LP Rev-2	6186.00	785.37	817.73	1655772.27	14364395.20	39°33'21.7520"N	80°56'43.8761"W	point

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Actual Wellpath Report

Burke Unit 2H AWP Proj: 19412'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 2H
Field	Tyler	UWI	47-095-02947-0000
Facility	Shinn Pad	Wellbore	Burke Unit 2H AWB
Slot	Slot L		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Burke Unit 2H BHL Rev-1	6196.50	12916.84	-3272.60	**1651683.57**	**14376521.79**	39°35'21.6714"N	80°57'36.0286"W	point
Burke Unit 2H AZI Rev-3	6197.37	1306.55	692.25	**1655646.83**	**14364916.16**	39°33'26.9037"N	80°56'45.4742"W	point
Burke Unit 2H LP Rev-3	6202.00	793.21	816.12	**1655770.65**	**14364403.03**	39°33'21.8294"N	80°56'43.8967"W	point
Burke Unit 2H 50' L/R Hard line	6500.00	7071.27	-1276.37	1653679.00	14370678.57	39°34'23.8888"N	80°57'10.5696"W	rectangle
	2D Rectangle: 12188.5 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Burke Unit 2H AWB Ref Wellpath: Burke Unit 2H AWP Proj: 19412'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	468.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-468')	Burke Unit 2H AWB	2025-11-03
468.00	3030.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (468')(506'-3030')	Burke Unit 2H AWB	2025-11-03
3030.00	5427.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3030')(3125'-5427')	Burke Unit 2H AWB	2025-11-25
5427.00	19412.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH Lucida <8-1/2"> (5427')(5475'-19387')	Burke Unit 2H AWB	2025-11-25

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Burke Unit 2H**
Field	**Tyler**	UWI	**47-095-02947-0000**
Facility	**Shinn Pad**	Wellbore	**Burke Unit 2H AWB**
Slot	**Slot L**		

COMMENTS

Wellpath general comments

API: 47-095-02947-0000
BH Job #: 112868251
Rig: H&P 519
Duration: 11/26/2025-11/29/2025
Gyrodata MS Gyro <17-1/2"> (100'-468')
APS EM <12-1/4"> (468')(506'-3030')
APS EM <8-3/4"> (3030')(3125'-5427')
BH Lucida <8-1/2"> (5427')(5475'-19387')
Sycamore: 6083' MD
Middlesex: 6227' MD
Burkett: 6385' MD
Marcellus POE: 6453' MD
Projected MD at TD: 19412'

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