ANTERO RESOURCES CORPORATION

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

Well: Burke Unit 1H
UWI: 47-095-02946-0000
Wellbore: Burke Unit 1H PWB
Wellpath: Burke Unit 1H PWP Rev B.0

Plot reference wellpath is Burke Unit 1H 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 K): -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

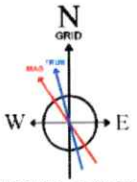
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Shinn Pad			1655203.580	14363830.010	39°33'16.1672N	80°56'51.1437W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot K	-233.31	-255.65	1654948.030	14363596.790	39°33'13.8628N	80°56'54.4092W
Comment	Burke Unit 1H					
H&P 519 (RKB) to Ground level (At Slot: Slot K)					30ft	
Mean Sea Level to Ground level (At Slot: Slot K)					-1036ft	
H&P 519 (RKB) to Mean Sea Level					1066ft	

Well Data

Slot	Well	Wellbore	Wellpath
Slot K	Burke Unit 1H	Burke Unit 1H AWB	Burke Unit 1H AWP Proj: 19161'
Slot K	Burke Unit 1H	Burke Unit 1H PWB	Burke Unit 1H PWP Rev B.0

Gyrodata MS Gyro <17-1/2"> (100'-469') : 0.10° Inc, 100.00ft MD, 100.00ft TVD, -0.06ft VS

APS EM <12-1/4"> (469')(505'-3020') : 0.17° Inc, 505.00ft MD, 505.00ft TVD, -0.50ft VS



User specified (HDGM) Dip: 65.96° Field: 51048.7 nT
Magnetic North is 7.48 degrees West of True North (at 2025-11-17)
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

API: 47-095-02946-0000
BH Job #: 112868252
Rig: H&P 519
Duration: 11/20/2025-11/24/2025

APS EM <8-3/4"> (3020')(3218'-5326') : 1.38° Inc, 3218.00ft MD, 3197.89ft TVD, -262.47ft VS

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3020.00	1.250	161.000	2999.94	-209.45	184.23	0.14	-258.10
Proj. to Bottom	3094.00	1.250	161.000	3073.92	-210.97	184.75	0.00	-259.72
Drill Out	3174.00	1.250	161.000	3153.90	-212.62	185.32	0.00	-261.46
Drop	3236.50	0.000	348.499	3216.40	-213.27	185.54	2.00	-262.15
Curve KOP	5448.00	0.000	348.499	5427.90	-213.27	185.54	0.00	-262.15
End of Build	5881.07	30.313	348.499	5841.04	-103.60	163.23	7.00	-151.20
POE	6375.10	69.803	350.748	6152.00	262.00	98.51	8.00	215.49
Landing Pt.	6635.07	90.600	350.748	6196.00	513.45	57.55	8.00	466.55
On AZI	7125.09	90.600	340.947	6190.86	988.00	-62.11	2.00	954.16
BHL	19194.15	90.600	340.947	6064.47	12395.27	-4001.70	0.00	13022.56

BH Lucida <8-1/2"> (5326')(5375'-19136') : 0.79° Inc, 5375.00ft MD, 5354.60ft TVD, -261.76ft VS

Marcellus POE: 6383' MD : 70.72° Inc, 6383.00ft MD, 6154.67ft TVD, 226.35ft VS

Projected MD at TD: 19161' : 89.38° Inc, 19161.00ft MD, 6101.53ft TVD, 12989.46ft VS

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Actual Wellpath Report

Burke Unit 1H AWP Proj: 19161'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Burke Unit 1H**
Field	**Tyler**	UWI	**47-095-02946-0000**
Facility	**Shinn Pad**	Wellbore	**Burke Unit 1H AWB**
Slot	**Slot K**		

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 **9:59:54 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	-233.31	-255.65	**1654948.03**	**14363596.79**	39°33'13.8628"N	80°56'54.4092"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 K)	**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	**340.950°**

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Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (211 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	135.420	0.00	0.00	0.00	0.00	1654948.03	14363596.79	39°33'13.8628"N	80°56'54.4092"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	135.420	30.00	0.00	0.00	0.00	1654948.03	14363596.79	39°33'13.8628"N	80°56'54.4092"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.100	135.420	100.00	-0.06	-0.04	0.04	1654948.07	14363596.75	39°33'13.8623"N	80°56'54.4087"W	0.06	135.420	0.14	0.14	0.00	Gyrodata MS Gyro <17-1/2"> (100'-469')
200.00	0.070	152.790	200.00	-0.19	-0.16	0.13	1654948.16	14363596.63	39°33'13.8612"N	80°56'54.4075"W	0.21	140.463	0.04	-0.03	17.37	
300.00	0.260	87.510	300.00	-0.32	-0.20	0.39	1654948.42	14363596.59	39°33'13.8607"N	80°56'54.4043"W	0.44	117.869	0.24	0.19	-65.28	
400.00	0.210	91.850	400.00	-0.45	-0.20	0.80	1654948.83	14363596.59	39°33'13.8608"N	80°56'54.3991"W	0.82	104.131	0.05	-0.05	4.34	
469.00	0.050	39.340	469.00	-0.48	-0.18	0.94	1654948.97	14363596.61	39°33'13.8610"N	80°56'54.3972"W	0.96	100.895	0.27	-0.23	-76.10	
505.00	0.170	104.340	505.00	-0.50	-0.18	1.00	1654949.03	14363596.61	39°33'13.8609"N	80°56'54.3964"W	1.02	100.300	0.43	0.33	180.56	APS EM <12-1/4"> (469')(505'-3020')
594.00	1.340	104.410	593.99	-1.15	-0.47	2.14	1654950.17	14363596.32	39°33'13.8581"N	80°56'54.3819"W	2.19	102.494	1.31	1.31	0.08	
684.00	3.460	111.370	683.91	-3.49	-1.73	5.69	1654953.72	14363595.06	39°33'13.8457"N	80°56'54.3366"W	5.94	106.877	2.37	2.36	7.73	
774.00	4.940	133.710	773.67	-8.69	-5.39	11.02	1654959.04	14363591.40	39°33'13.8094"N	80°56'54.2686"W	12.27	116.080	2.42	1.64	24.82	
864.00	7.890	124.340	863.10	-17.10	-11.56	18.92	1654966.95	14363585.24	39°33'13.7484"N	80°56'54.1677"W	22.17	121.415	3.47	3.28	-10.41	
954.00	8.810	133.740	952.14	-28.19	-19.81	29.00	1654977.02	14363576.99	39°33'13.6668"N	80°56'54.0391"W	35.12	124.331	1.83	1.02	10.44	
1044.00	10.160	138.640	1040.91	-41.66	-30.53	39.23	1654987.24	14363566.27	39°33'13.5608"N	80°56'53.9086"W	49.71	127.893	1.75	1.50	5.44	
1138.00	10.050	138.010	1133.46	-56.89	-42.85	50.19	1654998.20	14363553.96	39°33'13.4390"N	80°56'53.7687"W	66.00	130.487	0.17	-0.12	-0.67	
1233.00	9.040	143.760	1227.14	-71.65	-55.03	60.15	1655008.16	14363541.78	39°33'13.3185"N	80°56'53.6417"W	81.53	132.454	1.46	-1.06	6.05	
1327.00	8.820	143.840	1320.00	-85.59	-66.81	68.77	1655016.77	14363530.01	39°33'13.2021"N	80°56'53.5318"W	95.88	134.170	0.23	-0.23	0.09	
1422.00	8.420	144.670	1413.93	-99.23	-78.36	77.09	1655025.09	14363518.46	39°33'13.0879"N	80°56'53.4256"W	109.92	135.468	0.44	-0.42	0.87	
1516.00	7.950	144.070	1506.97	-112.06	-89.24	84.88	1655032.88	14363507.59	39°33'12.9803"N	80°56'53.3262"W	123.16	136.433	0.51	-0.50	-0.64	
1611.00	9.540	142.630	1600.86	-125.82	-100.82	93.52	1655041.51	14363496.01	39°33'12.8658"N	80°56'53.2161"W	137.51	137.151	1.69	1.67	-1.52	
1706.00	9.760	137.480	1694.52	-140.68	-113.01	103.74	1655051.73	14363483.83	39°33'12.7453"N	80°56'53.0857"W	153.40	137.449	0.94	0.23	-5.42	
1800.00	9.110	134.930	1787.25	-154.67	-124.14	114.39	1655062.38	14363472.70	39°33'12.6352"N	80°56'52.9497"W	168.81	137.339	0.82	-0.69	-2.71	
1895.00	8.750	134.500	1881.10	-167.90	-134.51	124.87	1655072.85	14363462.33	39°33'12.5326"N	80°56'52.8160"W	183.54	137.129	0.39	-0.38	-0.45	
1989.00	9.640	139.250	1973.89	-181.62	-145.49	135.11	1655083.08	14363451.36	39°33'12.4241"N	80°56'52.6854"W	198.55	137.118	1.24	0.95	5.05	
2083.00	9.670	144.540	2066.56	-196.50	-157.88	144.83	1655092.80	14363438.97	39°33'12.3016"N	80°56'52.5615"W	214.24	137.469	0.94	0.03	5.63	
2178.00	9.260	136.930	2160.27	-211.14	-169.96	154.67	1655102.64	14363426.90	39°33'12.1821"N	80°56'52.4358"W	229.81	137.696	1.39	-0.43	-8.01	
2272.00	7.330	134.830	2253.28	-223.43	-179.72	164.09	1655112.06	14363417.15	39°33'12.0856"N	80°56'52.3156"W	243.36	137.602	2.08	-2.05	-2.23	
2367.00	5.850	138.180	2347.65	-233.34	-187.60	171.62	1655119.58	14363409.27	39°33'12.0077"N	80°56'52.2196"W	254.26	137.547	1.61	-1.56	3.53	
2461.00	4.410	140.310	2441.27	-241.14	-193.95	177.12	1655125.08	14363402.92	39°33'11.9449"N	80°56'52.1494"W	262.66	137.596	1.54	-1.53	2.27	
2556.00	2.680	146.220	2536.09	-246.70	-198.60	180.69	1655128.65	14363398.26	39°33'11.8989"N	80°56'52.1039"W	268.50	137.704	1.86	-1.82	6.22	

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Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (211 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
2651.00	1.280	160.060	2631.03	-249.91	-201.45	182.29	1655130.24	14363395.42	39°33'11.8707"N	80°56'52.0835"W	271.68	137.859	1.55	-1.47	14.57	
2745.00	1.330	169.770	2725.01	-252.04	-203.51	182.84	1655130.79	14363393.36	39°33'11.8504"N	80°56'52.0765"W	273.58	138.063	0.24	0.05	10.33	
2840.00	1.360	169.410	2819.98	-254.25	-205.70	183.24	1655131.20	14363391.17	39°33'11.8287"N	80°56'52.0714"W	275.48	138.305	0.03	0.03	-0.38	
2934.00	1.160	164.920	2913.96	-256.30	-207.72	183.69	1655131.65	14363389.16	39°33'11.8088"N	80°56'52.0656"W	277.29	138.512	0.24	-0.21	-4.78	
3020.00	1.250	161.000	2999.94	-258.10	-209.45	184.23	1655132.18	14363387.43	39°33'11.7917"N	80°56'52.0588"W	278.94	138.666	0.14	0.10	-4.56	
3218.00	1.380	138.850	3197.89	-262.47	-213.28	186.50	1655134.45	14363383.59	39°33'11.7538"N	80°56'52.0299"W	283.32	138.833	0.26	0.07	-11.19	APS EM <8-3/4"> (3020')(3218'-5326')
3313.00	1.050	135.370	3292.87	-264.32	-214.76	187.86	1655135.82	14363382.11	39°33'11.7391"N	80°56'52.0125"W	285.33	138.823	0.36	-0.35	-3.66	
3408.00	1.060	133.840	3387.85	-265.89	-215.99	189.11	1655137.06	14363380.89	39°33'11.7270"N	80°56'51.9966"W	287.08	138.797	0.03	0.01	-1.61	
3502.00	0.800	129.750	3481.84	-267.22	-217.01	190.24	1655138.19	14363379.86	39°33'11.7169"N	80°56'51.9821"W	288.59	138.761	0.29	-0.28	-4.35	
3597.00	0.810	145.250	3576.83	-268.43	-217.99	191.13	1655139.08	14363378.89	39°33'11.7072"N	80°56'51.9707"W	289.91	138.756	0.23	0.01	16.32	
3691.00	0.770	318.700	3670.83	-268.49	-218.06	191.09	1655139.05	14363378.82	39°33'11.7065"N	80°56'51.9712"W	289.94	138.771	1.68	-0.04	184.52	
3786.00	0.860	317.430	3765.82	-267.25	-217.06	190.19	1655138.14	14363379.82	39°33'11.7165"N	80°56'51.9828"W	288.59	138.774	0.10	0.09	-1.34	
3881.00	0.790	308.700	3860.81	-266.04	-216.12	189.20	1655137.15	14363380.76	39°33'11.7257"N	80°56'51.9954"W	287.23	138.801	0.15	-0.07	-9.19	
3975.00	1.210	308.220	3954.79	-264.65	-215.10	187.91	1655135.87	14363381.77	39°33'11.7358"N	80°56'52.0118"W	285.62	138.860	0.45	0.45	-0.51	
4069.00	1.240	309.100	4048.77	-262.96	-213.85	186.34	1655134.30	14363383.03	39°33'11.7482"N	80°56'52.0319"W	283.64	138.932	0.04	0.03	0.94	
4164.00	1.100	320.700	4143.75	-261.23	-212.49	184.97	1655132.92	14363384.38	39°33'11.7616"N	80°56'52.0494"W	281.72	138.962	0.29	-0.15	12.21	
4258.00	1.210	319.120	4237.73	-259.46	-211.04	183.75	1655131.70	14363385.83	39°33'11.7759"N	80°56'52.0650"W	279.82	138.956	0.12	0.12	-1.68	
4353.00	1.110	330.690	4332.71	-257.62	-209.48	182.64	1655130.60	14363387.39	39°33'11.7913"N	80°56'52.0791"W	277.92	138.916	0.27	-0.11	12.18	
4447.00	1.020	325.370	4426.70	-255.92	-208.00	181.72	1655129.67	14363388.87	39°33'11.8060"N	80°56'52.0908"W	276.20	138.858	0.14	-0.10	-5.66	
4542.00	0.970	168.860	4521.69	-255.90	-208.09	181.39	1655129.35	14363388.78	39°33'11.8051"N	80°56'52.0950"W	276.05	138.922	2.05	-0.05	-164.75	
4636.00	1.240	127.360	4615.67	-257.54	-209.49	182.35	1655130.31	14363387.38	39°33'11.7913"N	80°56'52.0827"W	277.74	138.962	0.88	0.29	-44.15	
4731.00	0.920	140.790	4710.66	-259.11	-210.71	183.65	1655131.61	14363386.17	39°33'11.7792"N	80°56'52.0662"W	279.51	138.924	0.43	-0.34	14.14	
4825.00	0.770	121.530	4804.65	-260.31	-211.62	184.67	1655132.62	14363385.25	39°33'11.7702"N	80°56'52.0532"W	280.87	138.891	0.34	-0.16	-20.49	
4920.00	0.880	125.210	4899.64	-261.39	-212.38	185.81	1655133.76	14363384.50	39°33'11.7627"N	80°56'52.0386"W	282.19	138.817	0.13	0.12	3.87	
5015.00	0.730	100.810	4994.63	-262.29	-212.91	187.00	1655134.95	14363383.97	39°33'11.7574"N	80°56'52.0234"W	283.37	138.707	0.39	-0.16	-25.68	
5109.00	0.640	77.970	5088.62	-262.65	-212.91	188.10	1655136.06	14363383.96	39°33'11.7574"N	80°56'52.0094"W	284.10	138.541	0.30	-0.10	-24.30	
5204.00	0.830	57.280	5183.61	-262.55	-212.43	189.20	1655137.15	14363384.44	39°33'11.7622"N	80°56'51.9954"W	284.47	138.311	0.34	0.20	-21.78	
5298.00	0.680	48.890	5277.61	-262.18	-211.70	190.19	1655138.15	14363385.18	39°33'11.7694"N	80°56'51.9827"W	284.58	138.063	0.20	-0.16	-8.93	
5326.00	0.720	44.000	5305.60	-262.04	-211.46	190.44	1655138.39	14363385.41	39°33'11.7718"N	80°56'51.9795"W	284.57	137.994	0.26	0.14	-17.46	
5375.00	0.790	46.150	5354.60	-261.76	-211.00	190.90	1655138.85	14363385.87	39°33'11.7763"N	80°56'51.9737"W	284.54	137.864	0.15	0.14	4.39	BH Lucida <8-1/2"> (5326')(5375'-19136')

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Office of Oil and Gas
JUN 15 2026
WV Department of
Environmental Protection

Actual Wellpath Report

Burke Unit 1H AWP Proj: 19161'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 1H
Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (211 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
5428.00	2.200	10.420	5407.58	-260.72	-209.75	191.34	1655139.30	14363387.12	39°33'11.7886"N	80°56'51.9680"W	283.92	137.627	3.07	2.66	-67.42	
5522.00	6.380	355.530	5501.30	-254.09	-202.77	191.26	1655139.22	14363394.11	39°33'11.8577"N	80°56'51.9689"W	278.74	136.672	4.57	4.45	-15.84	
5616.00	11.530	348.720	5594.12	-239.72	-188.34	189.02	1655136.97	14363408.53	39°33'12.0003"N	80°56'51.9975"W	266.83	134.897	5.58	5.48	-7.24	
5711.00	18.330	349.190	5685.86	-215.50	-164.32	184.35	1655132.31	14363432.53	39°33'12.2376"N	80°56'52.0569"W	246.96	131.712	7.16	7.16	0.49	
5806.00	24.430	349.340	5774.28	-181.25	-130.31	177.91	1655125.87	14363466.53	39°33'12.5738"N	80°56'52.1389"W	220.53	126.221	6.42	6.42	0.16	
5901.00	31.270	348.440	5858.23	-137.31	-86.80	169.33	1655117.29	14363510.03	39°33'13.0039"N	80°56'52.2481"W	190.28	117.140	7.21	7.20	-0.95	
5995.00	39.140	349.040	5934.98	-83.67	-33.69	158.78	1655106.75	14363563.12	39°33'13.5289"N	80°56'52.3824"W	162.31	101.979	8.38	8.37	0.64	
6020.00†	41.171	349.160	5954.08	-67.71	-17.86	155.73	1655103.70	14363578.94	39°33'13.6854"N	80°56'52.4212"W	156.75	96.541	8.13	8.13	0.48	Sycamore: 6020' MD
6090.00	46.860	349.450	6004.40	-19.61	29.92	146.72	1655094.69	14363626.70	39°33'14.1576"N	80°56'52.5359"W	149.74	78.474	8.13	8.13	0.41	
6163.00†	52.930	349.710	6051.41	35.57	84.81	136.63	1655084.60	14363681.56	39°33'14.7002"N	80°56'52.6643"W	160.81	58.171	8.32	8.32	0.36	Middlesex: 6163' MD
6185.00	54.760	349.780	6064.39	53.12	102.29	133.47	1655081.44	14363699.04	39°33'14.8729"N	80°56'52.7046"W	168.15	52.534	8.32	8.32	0.32	
6279.00	62.430	350.240	6113.33	132.29	181.24	119.57	1655067.55	14363777.96	39°33'15.6534"N	80°56'52.8814"W	217.13	33.414	8.17	8.16	0.49	
6316.00†	65.367	350.313	6129.61	165.07	213.99	113.96	1655061.94	14363810.69	39°33'15.9770"N	80°56'52.9528"W	242.44	28.037	7.94	7.94	0.20	Burkett: 6316' MD
6374.00	69.970	350.420	6151.64	217.99	266.87	104.98	1655052.97	14363863.55	39°33'16.4997"N	80°56'53.0670"W	286.78	21.474	7.94	7.94	0.19	
6383.00†	70.724	350.448	6154.67	226.35	275.23	103.58	1655051.56	14363871.91	39°33'16.5823"N	80°56'53.0849"W	294.07	20.623	8.39	8.38	0.31	Marcellus POE: 6383' MD
6468.00	77.850	350.700	6177.67	306.97	355.89	90.19	1655038.18	14363952.54	39°33'17.3796"N	80°56'53.2552"W	367.14	14.220	8.39	8.38	0.30	
6563.00	85.070	350.960	6191.77	399.46	448.58	75.23	1655023.23	14364045.19	39°33'18.2957"N	80°56'53.4455"W	454.84	9.520	7.60	7.60	0.27	
6657.00	90.520	351.280	6195.39	491.88	541.35	60.73	1655008.74	14364137.92	39°33'19.2127"N	80°56'53.6299"W	544.74	6.401	5.81	5.80	0.34	
6752.00	90.000	348.100	6194.96	585.76	634.80	43.73	1654991.75	14364231.34	39°33'20.1364"N	80°56'53.8462"W	636.31	3.941	3.39	-0.55	-3.35	
6847.00	90.030	345.450	6194.93	680.26	727.27	22.00	1654970.02	14364323.77	39°33'21.0505"N	80°56'54.1230"W	727.61	1.733	2.79	0.03	-2.79	
6942.00	90.120	343.240	6194.81	775.09	818.74	-3.63	1654944.40	14364415.20	39°33'21.9546"N	80°56'54.4496"W	818.75	359.746	2.33	0.09	-2.33	
7036.00	90.550	341.360	6194.26	869.06	908.29	-32.21	1654915.83	14364504.71	39°33'22.8398"N	80°56'54.8138"W	908.86	357.969	2.05	0.46	-2.00	
7131.00	90.710	341.410	6193.21	964.05	998.31	-62.53	1654885.52	14364594.70	39°33'23.7297"N	80°56'55.2003"W	1000.27	356.416	0.18	0.17	0.05	
7225.00	90.740	341.360	6192.02	1058.04	1087.39	-92.53	1654855.53	14364683.74	39°33'24.6102"N	80°56'55.5827"W	1091.32	355.136	0.06	0.03	-0.05	
7320.00	90.550	341.160	6190.95	1153.03	1177.35	-123.05	1654825.03	14364773.66	39°33'25.4995"N	80°56'55.9717"W	1183.76	354.033	0.29	-0.20	-0.21	
7415.00	91.600	341.060	6189.17	1248.01	1267.21	-153.80	1654794.29	14364863.49	39°33'26.3878"N	80°56'56.3636"W	1276.51	353.080	1.11	1.11	-0.11	
7509.00	91.290	341.400	6186.80	1341.98	1356.18	-184.04	1654764.06	14364952.43	39°33'27.2673"N	80°56'56.7490"W	1368.61	352.272	0.49	-0.33	0.36	
7604.00	90.580	340.920	6185.25	1436.97	1446.08	-214.72	1654733.40	14365042.29	39°33'28.1560"N	80°56'57.1400"W	1461.94	351.554	0.90	-0.75	-0.51	
7699.00	90.580	340.190	6184.29	1531.96	1535.66	-246.34	1654701.79	14365131.83	39°33'29.0414"N	80°56'57.5431"W	1555.29	350.887	0.77	0.00	-0.77	
7793.00	90.890	340.720	6183.08	1625.95	1624.23	-277.78	1654670.36	14365220.37	39°33'29.9170"N	80°56'57.9439"W	1647.82	350.295	0.65	0.33	0.56	

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WELLPATH DATA (211 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
7888.00	90.620	340.010	6181.83	1720.93	1713.70	-309.70	1654638.45	14365309.80	39°33'30.8014"N	80°56'58.3508"W	1741.46	349.756	0.80	-0.28	-0.75	
7982.00	90.310	338.740	6181.07	1814.89	1801.67	-342.81	1654605.35	14365397.74	39°33'31.6711"N	80°56'58.7729"W	1834.00	349.227	1.39	-0.33	-1.35	
8077.00	90.460	339.160	6180.43	1909.83	1890.33	-376.93	1654571.25	14365486.36	39°33'32.5475"N	80°56'59.2079"W	1927.54	348.723	0.47	0.16	0.44	
8171.00	90.460	339.010	6179.67	2003.78	1978.13	-410.49	1654537.71	14365574.13	39°33'33.4155"N	80°56'59.6357"W	2020.28	348.277	0.16	0.00	-0.16	
8266.00	90.920	338.540	6178.53	2098.70	2066.68	-444.88	1654503.33	14365662.64	39°33'34.2908"N	80°57'0.0742"W	2114.02	347.852	0.69	0.48	-0.49	
8360.00	91.110	336.510	6176.87	2192.52	2153.52	-480.81	1654467.42	14365749.45	39°33'35.1493"N	80°57'0.5323"W	2206.55	347.414	2.17	0.20	-2.16	
8455.00	90.550	337.180	6175.49	2287.26	2240.86	-518.16	1654430.08	14365836.75	39°33'36.0127"N	80°57'1.0085"W	2299.99	346.980	0.92	-0.59	0.71	
8550.00	90.430	340.870	6174.68	2382.19	2329.55	-552.16	1654396.09	14365925.40	39°33'36.8894"N	80°57'1.4420"W	2394.09	346.666	3.89	-0.13	3.88	
8644.00	91.510	342.220	6173.09	2476.17	2418.70	-581.91	1654366.36	14366014.52	39°33'37.7706"N	80°57'1.8212"W	2487.71	346.472	1.84	1.15	1.44	
8739.00	90.460	341.930	6171.45	2571.13	2509.07	-611.14	1654337.13	14366104.85	39°33'38.6640"N	80°57'2.1938"W	2582.43	346.311	1.15	-1.11	-0.31	
8833.00	90.520	340.780	6170.65	2665.13	2598.13	-641.19	1654307.09	14366193.88	39°33'39.5443"N	80°57'2.5769"W	2676.08	346.137	1.23	0.06	-1.22	
8928.00	90.550	340.230	6169.76	2760.12	2687.68	-672.90	1654275.41	14366283.39	39°33'40.4295"N	80°57'2.9811"W	2770.64	345.944	0.58	0.03	-0.58	
9023.00	90.680	341.230	6168.74	2855.11	2777.35	-704.24	1654244.07	14366373.03	39°33'41.3160"N	80°57'3.3807"W	2865.25	345.772	1.06	0.14	1.05	
9117.00	91.480	342.060	6166.97	2949.09	2866.55	-733.84	1654214.48	14366462.19	39°33'42.1977"N	80°57'3.7580"W	2959.00	345.641	1.23	0.85	0.88	
9212.00	90.650	340.880	6165.20	3044.06	2956.61	-764.03	1654184.31	14366552.21	39°33'43.0879"N	80°57'4.1427"W	3053.73	345.511	1.52	-0.87	-1.24	
9306.00	91.790	342.450	6163.20	3138.03	3045.81	-793.59	1654154.76	14366641.38	39°33'43.9697"N	80°57'4.5196"W	3147.50	345.396	2.06	1.21	1.67	
9401.00	91.050	338.710	6160.85	3232.98	3135.37	-825.16	1654123.20	14366730.90	39°33'44.8549"N	80°57'4.9221"W	3242.13	345.255	4.01	-0.78	-3.94	
9496.00	90.740	341.960	6159.36	3327.95	3224.80	-857.12	1654091.25	14366820.30	39°33'45.7390"N	80°57'5.3295"W	3336.77	345.115	3.44	-0.33	3.42	
9590.00	90.490	342.270	6158.35	3421.93	3314.25	-885.99	1654062.40	14366909.71	39°33'46.6232"N	80°57'5.6975"W	3430.63	345.033	0.42	-0.27	0.33	
9685.00	90.830	342.970	6157.26	3516.88	3404.91	-914.36	1654034.04	14367000.33	39°33'47.5194"N	80°57'6.0592"W	3525.55	344.968	0.82	0.36	0.74	
9780.00	90.710	342.320	6155.98	3611.83	3495.58	-942.70	1654005.71	14367090.96	39°33'48.4156"N	80°57'6.4203"W	3620.46	344.907	0.70	-0.13	-0.68	
9874.00	90.740	342.770	6154.79	3705.78	3585.24	-970.89	1653977.53	14367180.59	39°33'49.3019"N	80°57'6.7797"W	3714.37	344.848	0.48	0.03	0.48	
9969.00	90.860	342.510	6153.47	3800.73	3675.90	-999.23	1653949.20	14367271.22	39°33'50.1981"N	80°57'7.1410"W	3809.30	344.793	0.30	0.13	-0.27	
10064.00	91.020	342.440	6151.91	3895.69	3766.48	-1027.84	1653920.61	14367361.76	39°33'51.0935"N	80°57'7.5056"W	3904.21	344.736	0.18	0.17	-0.07	
10158.00	90.950	342.640	6150.29	3989.64	3856.14	-1056.04	1653892.42	14367451.38	39°33'51.9797"N	80°57'7.8650"W	3998.13	344.685	0.23	-0.07	0.21	
10253.00	90.950	342.510	6148.72	4084.58	3946.77	-1084.48	1653863.99	14367541.97	39°33'52.8756"N	80°57'8.2276"W	4093.05	344.636	0.14	0.00	-0.14	
10347.00	91.140	342.420	6147.00	4178.54	4036.38	-1112.80	1653835.68	14367631.55	39°33'53.7614"N	80°57'8.5886"W	4186.97	344.587	0.22	0.20	-0.10	
10442.00	90.680	342.220	6145.49	4273.50	4126.88	-1141.64	1653806.84	14367722.02	39°33'54.6560"N	80°57'8.9563"W	4281.88	344.537	0.53	-0.48	-0.21	
10537.00	90.520	341.910	6144.50	4368.47	4217.26	-1170.90	1653777.60	14367812.36	39°33'55.5494"N	80°57'9.3292"W	4376.79	344.483	0.37	-0.17	-0.33	
10632.00	90.340	342.050	6143.79	4463.46	4307.60	-1200.28	1653748.23	14367902.66	39°33'56.4424"N	80°57'9.7038"W	4471.70	344.430	0.24	-0.19	0.15	

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10726.00	90.280	342.400	6143.28	4557.43	4397.11	-1228.98	1653719.54	14367992.14	39°33'57.3272"N	80°57'10.0697"W	4565.63	344.384	0.38	-0.06	0.37	
10821.00	90.620	341.220	6142.53	4652.42	4487.36	-1258.63	1653689.90	14368082.35	39°33'58.2193"N	80°57'10.4477"W	4660.53	344.332	1.29	0.36	-1.24	
10916.00	90.550	338.780	6141.56	4747.39	4576.62	-1291.12	1653657.43	14368171.57	39°33'59.1016"N	80°57'10.8619"W	4755.25	344.246	2.57	-0.07	-2.57	
11010.00	90.150	340.230	6140.99	4841.36	4664.67	-1324.03	1653624.53	14368259.58	39°33'59.9720"N	80°57'11.2816"W	4848.93	344.154	1.60	-0.43	1.54	
11105.00	90.800	342.640	6140.20	4936.34	4754.71	-1354.27	1653594.30	14368349.59	39°34'0.8621"N	80°57'11.6672"W	4943.82	344.102	2.63	0.68	2.54	
11199.00	90.830	341.610	6138.86	5030.31	4844.16	-1383.12	1653565.46	14368439.01	39°34'1.7463"N	80°57'12.0349"W	5037.75	344.065	1.10	0.03	-1.10	
11294.00	90.890	342.660	6137.44	5125.28	4934.57	-1412.26	1653536.33	14368529.38	39°34'2.6400"N	80°57'12.4064"W	5132.69	344.029	1.11	0.06	1.11	
11388.00	91.750	343.090	6135.27	5219.20	5024.38	-1439.94	1653508.67	14368619.15	39°34'3.5277"N	80°57'12.7592"W	5226.64	344.008	1.02	0.91	0.46	
11483.00	90.580	341.920	6133.34	5314.14	5114.96	-1468.49	1653480.13	14368709.70	39°34'4.4231"N	80°57'13.1232"W	5321.59	343.981	1.74	-1.23	-1.23	
11578.00	89.940	342.090	6132.91	5409.12	5205.31	-1497.84	1653450.80	14368800.01	39°34'5.3162"N	80°57'13.4973"W	5416.53	343.947	0.70	-0.67	0.18	
11672.00	90.310	342.500	6132.70	5503.10	5294.86	-1526.42	1653422.22	14368889.52	39°34'6.2014"N	80°57'13.8618"W	5510.49	343.919	0.59	0.39	0.44	
11767.00	90.770	342.780	6131.81	5598.05	5385.53	-1554.77	1653393.89	14368980.16	39°34'7.0976"N	80°57'14.2231"W	5605.46	343.897	0.57	0.48	0.29	
11861.00	90.950	340.510	6130.40	5692.03	5474.73	-1584.36	1653364.30	14369069.32	39°34'7.9794"N	80°57'14.6005"W	5699.38	343.860	2.42	0.19	-2.41	
11956.00	90.710	340.070	6129.02	5787.01	5564.16	-1616.40	1653332.28	14369158.71	39°34'8.8634"N	80°57'15.0090"W	5794.18	343.801	0.53	-0.25	-0.46	
12051.00	90.740	339.870	6127.82	5881.99	5653.40	-1648.93	1653299.76	14369247.92	39°34'9.7456"N	80°57'15.4238"W	5888.97	343.740	0.21	0.03	-0.21	
12145.00	90.890	340.340	6126.48	5975.97	5741.78	-1680.92	1653267.79	14369336.27	39°34'10.6192"N	80°57'15.8317"W	5982.77	343.682	0.52	0.16	0.50	
12240.00	90.580	339.930	6125.26	6070.95	5831.12	-1713.20	1653235.52	14369425.57	39°34'11.5023"N	80°57'16.2433"W	6077.58	343.627	0.54	-0.33	-0.43	
12334.00	90.340	340.190	6124.51	6164.94	5919.48	-1745.25	1653203.48	14369513.90	39°34'12.3758"N	80°57'16.6521"W	6171.40	343.573	0.38	-0.26	0.28	
12429.00	91.080	340.980	6123.33	6259.93	6009.07	-1776.83	1653171.91	14369603.45	39°34'13.2614"N	80°57'17.0547"W	6266.27	343.528	1.14	0.78	0.83	
12523.00	91.050	340.580	6121.58	6353.91	6097.82	-1807.77	1653140.99	14369692.16	39°34'14.1386"N	80°57'17.4492"W	6360.14	343.487	0.43	-0.03	-0.43	
12618.00	91.020	340.400	6119.87	6448.89	6187.35	-1839.49	1653109.28	14369781.65	39°34'15.0237"N	80°57'17.8537"W	6455.00	343.443	0.19	-0.03	-0.19	
12713.00	90.680	339.720	6118.46	6543.87	6276.64	-1871.89	1653076.90	14369870.91	39°34'15.9063"N	80°57'18.2668"W	6549.83	343.394	0.80	-0.36	-0.72	
12807.00	90.580	340.420	6117.43	6637.85	6365.01	-1903.93	1653044.87	14369959.24	39°34'16.7798"N	80°57'18.6754"W	6643.66	343.347	0.75	-0.11	0.74	
12902.00	90.650	339.790	6116.41	6732.84	6454.33	-1936.25	1653012.56	14370048.53	39°34'17.6628"N	80°57'19.0876"W	6738.51	343.301	0.67	0.07	-0.66	
12996.00	90.800	340.310	6115.22	6826.82	6542.68	-1968.32	1652980.50	14370136.85	39°34'18.5361"N	80°57'19.4966"W	6832.35	343.256	0.58	0.16	0.55	
13091.00	91.480	339.700	6113.33	6921.78	6631.94	-2000.80	1652948.03	14370226.07	39°34'19.4184"N	80°57'19.9108"W	6927.18	343.212	0.96	0.72	-0.64	
13185.00	90.800	338.350	6111.46	7015.71	6719.69	-2034.44	1652914.41	14370313.78	39°34'20.2859"N	80°57'20.3398"W	7020.91	343.156	1.61	-0.72	-1.44	
13280.00	90.890	340.740	6110.05	7110.66	6808.68	-2067.63	1652881.23	14370402.74	39°34'21.1656"N	80°57'20.7631"W	7115.71	343.108	2.52	0.09	2.52	
13375.00	90.770	340.280	6108.68	7205.65	6898.23	-2099.33	1652849.55	14370492.25	39°34'22.0507"N	80°57'21.1673"W	7210.60	343.074	0.50	-0.13	-0.48	
13469.00	90.860	340.480	6107.34	7299.64	6986.77	-2130.89	1652818.00	14370580.75	39°34'22.9259"N	80°57'21.5698"W	7304.49	343.039	0.23	0.10	0.21	

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Actual Wellpath Report

Burke Unit 1H AWP Proj: 19161'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 1H
Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (211 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
13564.00	90.370	340.670	6106.32	7394.63	7076.35	-2162.48	1652786.42	14370670.30	39°34'23.8115"N	80°57'21.9727"W	7399.40	343.007	0.55	-0.52	0.20	
13658.00	90.620	340.120	6105.51	7488.62	7164.90	-2194.02	1652754.89	14370758.81	39°34'24.6867"N	80°57'22.3749"W	7493.30	342.974	0.64	0.27	-0.59	
13753.00	90.710	340.380	6104.41	7583.61	7254.30	-2226.12	1652722.81	14370848.18	39°34'25.5705"N	80°57'22.7842"W	7588.18	342.940	0.29	0.09	0.27	
13848.00	90.770	340.250	6103.18	7678.59	7343.75	-2258.12	1652690.82	14370937.58	39°34'26.4546"N	80°57'23.1923"W	7683.08	342.908	0.15	0.06	-0.14	
13942.00	90.370	340.330	6102.25	7772.58	7432.23	-2289.82	1652659.13	14371026.04	39°34'27.3293"N	80°57'23.5966"W	7776.98	342.876	0.43	-0.43	0.09	
14037.00	90.460	340.490	6101.56	7867.57	7521.73	-2321.67	1652627.29	14371115.50	39°34'28.2140"N	80°57'24.0028"W	7871.89	342.847	0.19	0.09	0.17	
14131.00	90.150	340.350	6101.06	7961.57	7610.29	-2353.17	1652595.81	14371204.03	39°34'29.0894"N	80°57'24.4045"W	7965.80	342.818	0.36	-0.33	-0.15	
14226.00	90.460	340.460	6100.55	8056.56	7699.79	-2385.03	1652563.96	14371293.49	39°34'29.9741"N	80°57'24.8108"W	8060.72	342.790	0.35	0.33	0.12	
14320.00	89.940	338.640	6100.22	8150.53	7787.86	-2417.87	1652531.13	14371381.52	39°34'30.8447"N	80°57'25.2297"W	8154.56	342.752	2.01	-0.55	-1.94	
14415.00	90.280	340.690	6100.04	8245.50	7876.94	-2450.88	1652498.13	14371470.56	39°34'31.7252"N	80°57'25.6507"W	8249.42	342.717	2.19	0.36	2.16	
14509.00	90.180	340.830	6099.66	8339.50	7965.69	-2481.86	1652467.17	14371559.28	39°34'32.6025"N	80°57'26.0458"W	8343.37	342.695	0.18	-0.11	0.15	
14603.00	89.910	340.460	6099.59	8433.50	8054.37	-2513.01	1652436.03	14371647.93	39°34'33.4791"N	80°57'26.4431"W	8437.31	342.672	0.49	-0.29	-0.39	
14698.00	89.720	340.230	6099.90	8528.49	8143.84	-2544.96	1652404.09	14371737.36	39°34'34.3635"N	80°57'26.8506"W	8532.23	342.646	0.31	-0.20	-0.24	
14793.00	90.490	341.470	6099.72	8623.49	8233.58	-2576.13	1652372.94	14371827.06	39°34'35.2505"N	80°57'27.2480"W	8627.18	342.626	1.54	0.81	1.31	
14888.00	90.770	340.370	6098.68	8718.48	8323.35	-2607.18	1652341.90	14371916.80	39°34'36.1380"N	80°57'27.6440"W	8722.13	342.608	1.19	0.29	-1.16	
14983.00	89.600	338.720	6098.37	8813.45	8412.36	-2640.38	1652308.71	14372005.77	39°34'37.0178"N	80°57'28.0675"W	8816.99	342.575	2.13	-1.23	-1.74	
15078.00	90.340	340.580	6098.42	8908.42	8501.42	-2673.41	1652275.69	14372094.80	39°34'37.8982"N	80°57'28.4888"W	8911.86	342.543	2.11	0.78	1.96	
15173.00	90.430	340.400	6097.78	9003.41	8590.97	-2705.14	1652243.98	14372184.31	39°34'38.7833"N	80°57'28.8935"W	9006.80	342.522	0.21	0.09	-0.19	
15268.00	90.830	341.060	6096.74	9098.41	8680.64	-2736.49	1652212.64	14372273.94	39°34'39.6697"N	80°57'29.2933"W	9101.75	342.503	0.81	0.42	0.69	
15363.00	91.020	340.900	6095.20	9193.39	8770.44	-2767.44	1652181.70	14372363.71	39°34'40.5574"N	80°57'29.6881"W	9196.70	342.487	0.26	0.20	-0.17	
15457.00	90.430	340.300	6094.01	9287.38	8859.09	-2798.66	1652150.49	14372452.33	39°34'41.4337"N	80°57'30.0863"W	9290.64	342.468	0.90	-0.63	-0.64	
15552.00	90.250	340.520	6093.45	9382.38	8948.59	-2830.52	1652118.65	14372541.79	39°34'42.3184"N	80°57'30.4926"W	9385.58	342.447	0.30	-0.19	0.23	
15646.00	90.460	340.550	6092.87	9476.37	9037.22	-2861.84	1652087.34	14372630.38	39°34'43.1944"N	80°57'30.8921"W	9479.53	342.428	0.23	0.22	0.03	
15741.00	90.740	340.700	6091.87	9571.37	9126.83	-2893.35	1652055.84	14372719.96	39°34'44.0803"N	80°57'31.2940"W	9574.48	342.411	0.33	0.29	0.16	
15835.00	90.710	342.250	6090.68	9665.35	9215.95	-2923.22	1652025.99	14372809.04	39°34'44.9612"N	80°57'31.6749"W	9668.45	342.401	1.65	-0.03	1.65	
15930.00	90.180	341.380	6089.95	9760.34	9306.21	-2952.86	1651996.35	14372899.26	39°34'45.8533"N	80°57'32.0530"W	9763.45	342.396	1.07	-0.56	-0.92	
16025.00	90.550	341.580	6089.34	9855.33	9396.28	-2983.04	1651966.19	14372989.30	39°34'46.7437"N	80°57'32.4378"W	9858.43	342.387	0.44	0.39	0.21	
16119.00	89.690	340.880	6089.14	9949.33	9485.28	-3013.28	1651935.96	14373078.26	39°34'47.6234"N	80°57'32.8236"W	9952.41	342.376	1.18	-0.91	-0.74	
16214.00	91.420	342.440	6088.22	10044.31	9575.45	-3043.17	1651906.08	14373168.39	39°34'48.5147"N	80°57'33.2048"W	10047.39	342.369	2.45	1.82	1.64	
16308.00	89.260	338.930	6087.67	10138.29	9664.14	-3074.26	1651875.01	14373257.04	39°34'49.3913"N	80°57'33.6013"W	10141.33	342.354	4.38	-2.30	-3.73	

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Burke Unit 1H AWP Proj: 19161'

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Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

WELLPATH DATA (211 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
16403.00	90.580	341.350	6087.80	10233.27	9753.48	-3106.53	1651842.75	14373346.35	39°34'50.2745"N	80°57'34.0129"W	10236.25	342.333	2.90	1.39	2.55	
16497.00	90.000	340.650	6087.32	10327.27	9842.35	-3137.13	1651812.16	14373435.19	39°34'51.1530"N	80°57'34.4032"W	10330.22	342.321	0.97	-0.62	-0.74	
16592.00	89.630	340.910	6087.63	10422.26	9932.06	-3168.40	1651780.90	14373524.86	39°34'52.0397"N	80°57'34.8021"W	10425.19	342.307	0.48	-0.39	0.27	
16687.00	90.030	340.940	6087.91	10517.26	10021.84	-3199.45	1651749.87	14373614.60	39°34'52.9272"N	80°57'35.1981"W	10520.16	342.294	0.42	0.42	0.03	
16781.00	90.620	341.470	6087.38	10611.26	10110.83	-3229.73	1651719.59	14373703.55	39°34'53.8068"N	80°57'35.5844"W	10614.14	342.285	0.84	0.63	0.56	
16876.00	90.340	340.870	6086.58	10706.26	10200.74	-3260.40	1651688.94	14373793.43	39°34'54.6955"N	80°57'35.9755"W	10709.12	342.275	0.70	-0.29	-0.63	
16971.00	89.630	336.110	6086.61	10801.14	10289.10	-3295.22	1651654.14	14373881.75	39°34'55.5689"N	80°57'36.4197"W	10803.89	342.242	5.07	-0.75	-5.01	
17065.00	90.490	335.090	6086.51	10894.73	10374.70	-3334.05	1651615.32	14373967.32	39°34'56.4151"N	80°57'36.9152"W	10897.26	342.184	1.42	0.91	-1.09	
17160.00	90.520	338.510	6085.67	10989.46	10462.00	-3371.47	1651577.92	14374054.59	39°34'57.2781"N	80°57'37.3926"W	10991.83	342.138	3.60	0.03	3.60	
17255.00	90.860	342.970	6084.53	11084.43	10551.65	-3402.79	1651546.60	14374144.20	39°34'58.1643"N	80°57'37.7922"W	11086.77	342.126	4.71	0.36	4.69	
17350.00	90.310	343.610	6083.56	11179.35	10642.64	-3430.11	1651519.30	14374235.15	39°34'59.0636"N	80°57'38.1405"W	11181.74	342.136	0.89	-0.58	0.67	
17444.00	90.310	341.860	6083.05	11273.29	10732.40	-3458.00	1651491.42	14374324.87	39°34'59.9509"N	80°57'38.4963"W	11275.73	342.141	1.86	0.00	-1.86	
17538.00	89.910	344.150	6082.87	11367.23	10822.28	-3485.48	1651463.95	14374414.73	39°35'0.8394"N	80°57'38.8467"W	11369.71	342.148	2.47	-0.43	2.44	
17634.00	89.450	343.760	6083.40	11463.09	10914.54	-3512.01	1651437.43	14374506.95	39°35'1.7513"N	80°57'39.1851"W	11465.66	342.163	0.63	-0.48	-0.41	
17728.00	89.690	343.700	6084.11	11556.98	11004.78	-3538.34	1651411.11	14374597.14	39°35'2.6432"N	80°57'39.5209"W	11559.63	342.176	0.26	0.26	-0.06	
17823.00	89.600	343.550	6084.70	11651.88	11095.92	-3565.13	1651384.34	14374688.25	39°35'3.5441"N	80°57'39.8625"W	11654.59	342.188	0.18	-0.09	-0.16	
17917.00	89.420	343.280	6085.50	11745.78	11186.01	-3591.96	1651357.52	14374778.30	39°35'4.4346"N	80°57'40.2047"W	11748.57	342.198	0.35	-0.19	-0.29	
18012.00	89.320	343.760	6086.55	11840.68	11277.10	-3618.90	1651330.58	14374869.36	39°35'5.3350"N	80°57'40.5483"W	11843.54	342.208	0.52	-0.11	0.51	
18107.00	89.320	341.500	6087.67	11935.63	11367.75	-3647.26	1651302.23	14374959.98	39°35'6.2311"N	80°57'40.9100"W	11938.52	342.212	2.38	0.00	-2.38	
18201.00	89.350	342.150	6088.76	12029.61	11457.06	-3676.58	1651272.93	14375049.24	39°35'7.1138"N	80°57'41.2840"W	12032.51	342.209	0.69	0.03	0.69	
18296.00	89.170	340.780	6089.99	12124.60	11547.12	-3706.78	1651242.74	14375139.27	39°35'8.0040"N	80°57'41.6692"W	12127.50	342.203	1.45	-0.19	-1.44	
18390.00	89.480	341.620	6091.10	12218.59	11636.10	-3737.07	1651212.46	14375228.21	39°35'8.8835"N	80°57'42.0556"W	12221.47	342.195	0.95	0.33	0.89	
18485.00	89.540	341.880	6091.91	12313.58	11726.32	-3766.82	1651182.73	14375318.39	39°35'9.7753"N	80°57'42.4351"W	12316.47	342.192	0.28	0.06	0.27	
18579.00	89.380	341.850	6092.80	12407.56	11815.64	-3796.07	1651153.48	14375407.69	39°35'10.6583"N	80°57'42.8083"W	12410.46	342.189	0.17	-0.17	-0.03	
18674.00	89.260	341.620	6093.93	12502.54	11905.85	-3825.84	1651123.72	14375497.86	39°35'11.5499"N	80°57'43.1880"W	12505.45	342.186	0.27	-0.13	-0.24	
18769.00	88.890	341.720	6095.46	12597.52	11996.02	-3855.72	1651093.86	14375587.99	39°35'12.4412"N	80°57'43.5691"W	12600.44	342.182	0.40	-0.39	0.11	
18863.00	89.140	341.050	6097.07	12691.51	12085.09	-3885.72	1651063.87	14375677.02	39°35'13.3216"N	80°57'43.9518"W	12694.41	342.176	0.76	0.27	-0.71	
18958.00	88.980	342.150	6098.63	12786.49	12175.22	-3915.70	1651033.90	14375767.11	39°35'14.2125"N	80°57'44.3343"W	12789.39	342.172	1.17	-0.17	1.16	
19053.00	89.140	341.010	6100.19	12881.47	12265.33	-3945.71	1651003.90	14375857.20	39°35'15.1033"N	80°57'44.7172"W	12884.37	342.167	1.21	0.17	-1.20	
19136.00	89.380	341.510	6101.26	12964.46	12343.93	-3972.38	1650977.25	14375935.76	39°35'15.8802"N	80°57'45.0573"W	12967.36	342.161	0.67	0.29	0.60	

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Operator	**ANTERO RESOURCES CORPORATION**	Well	**Burke Unit 1H**
Field	**Tyler**	UWI	**47-095-02946-0000**
Facility	**Shinn Pad**	Wellbore	**Burke Unit 1H AWB**
Slot	**Slot K**		

WELLPATH DATA (211 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
19161.00‡	89.380	341.510	6101.53	12989.46	12367.64	-3980.31	1650969.32	14375959.46	39°35'16.1145"N	80°57'45.1585"W	12992.35	342.160	0.00	0.00	0.00	Projected MD at TD: 19161'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = **7.06**

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: Burke Unit 1H AWB Ref Wellpath: Burke Unit 1H AWP Proj: 19161'

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	-0.08	0.08
17 1/2in Open Hole	130.00	462.00	332.00	130.00	462.00	-0.08	0.08	-0.19	0.94
13 3/8in Casing Surface	30.00	443.00	413.00	30.00	443.00	0.00	0.00	-0.19	0.91
12 1/4in Open Hole	462.00	3094.00	2632.00	462.00	3073.92	-0.19	0.94	-210.94	184.87
9 5/8in Casing Intermediate	30.00	3064.00	3034.00	30.00	3043.93	0.00	0.00	-210.34	184.58
8 3/4in Open Hole	3094.00	5400.00	2306.00	3073.92	5379.60	-210.94	184.87	-210.60	191.13
8 1/2in Open Hole	5400.00	19161.00	13761.00	5379.60	6101.53	-210.60	191.13	12367.64	-3980.31
5 1/2in Casing Production	30.00	19141.00	19111.00	30.00	6101.32	0.00	0.00	12348.67	-3973.96

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Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 1H
Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Burke Unit 1H BHL Rev-3	6064.10	12428.70	-4013.24	1650936.40	14376020.50	39°35'16.7182"N	80°57'45.5788"W	point
Burke Unit 1H BHL Rev-4	6064.47	12395.27	-4001.70	1650947.94	14375987.08	39°35'16.3877"N	80°57'45.4315"W	point
Burke Unit 1H BHL Rev-2	6120.02	12428.70	-4013.24	1650936.40	14376020.50	39°35'16.7182"N	80°57'45.5788"W	point
Burke Unit 1H POE Rev-2	6143.00	262.00	98.51	1655046.50	14363858.68	39°33'16.4516"N	80°56'53.1497"W	point
Burke Unit 1H POE Rev-3	6152.00	262.00	98.51	1655046.50	14363858.68	39°33'16.4516"N	80°56'53.1497"W	point
Burke Unit 1H POE Rev-1	6156.50	262.00	98.51	1655046.50	14363858.68	39°33'16.4516"N	80°56'53.1497"W	point
Burke Unit 1H AZI Rev-2	6183.40	985.91	-61.39	1654886.67	14364582.30	39°33'23.6071"N	80°56'55.1857"W	point
Burke Unit 1H LP Rev-2	6186.00	507.03	58.98	1655006.98	14364103.62	39°33'18.8735"N	80°56'53.6526"W	point

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Actual Wellpath Report

Burke Unit 1H AWP Proj: 19161'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Burke Unit 1H
Field	Tyler	UWI	47-095-02946-0000
Facility	Shinn Pad	Wellbore	Burke Unit 1H AWB
Slot	Slot K		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Burke Unit 1H AZI Rev-3	6190.86	988.00	-62.11	**1654885.95**	**14364584.39**	39°33'23.6278"N	80°56'55.1949"W	point
Burke Unit 1H LP Rev-3	6196.00	513.45	57.55	**1655005.56**	**14364110.03**	39°33'18.9370"N	80°56'53.6707"W	point
Burke Unit 1H BHL Rev-1	6196.50	12428.70	-4013.24	**1650936.40**	**14376020.50**	39°35'16.7182"N	80°57'45.5788"W	point
Burke Unit 1H 50' L/R Hard Line	6500.00	6707.31	-2037.31	1652911.53	14370301.40	39°34'20.1635"N	80°57'20.3766"W	rectangle
	2D Rectangle: 12106.1 x 100.							
Burke Unit 1H 50' L/R Hard Line Rev-2	6500.00	6691.63	-2031.90	1652916.94	14370285.74	39°34'20.0086"N	80°57'20.3076"W	rectangle
	2D Rectangle: 12069.1 x 100.							

WELLPATH COMPOSITION - Ref Wellbore: Burke Unit 1H AWB Ref Wellpath: Burke Unit 1H AWP Proj: 19161'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	469.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-469')	Burke Unit 1H AWB	2025-11-05
469.00	3020.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (469')(505'-3020')	Burke Unit 1H AWB	2025-11-05
3020.00	5326.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3020')(3218'-5326')	Burke Unit 1H AWB	2025-11-17
5326.00	19161.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH Lucida <8-1/2"> (5326')(5375'-19136')	Burke Unit 1H AWB	2025-11-17

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Burke Unit 1H**
Field	**Tyler**	UWI	**47-095-02946-0000**
Facility	**Shinn Pad**	Wellbore	**Burke Unit 1H AWB**
Slot	**Slot K**		

COMMENTS

Wellpath general comments

API: 47-095-02946-0000
BH Job #: 112868252
Rig: H&P 519
Duration: 11/20/2025-11/24/2025
Gyrodata MS Gyro <17-1/2"> (100'-469')
APS EM <12-1/4"> (469')(505'-3020')
APS EM <8-3/4"> (3020')(3218'-5326')
BH Lucida <8-1/2"> (5326')(5375'-19136')
Sycamore: 6020' MD
Middlesex: 6163' MD
Burkett: 6316' MD
Marcellus POE: 6383' MD
Projected MD at TD: 19161'

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