



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
Field: Tyler
Facility: Roma Lou Pad

Slot: Slot #05
Well: Fleetwood Unit 1H
Wellbore: Fleetwood Unit 1H PWB



Field reference wellbore is Fleetwood Unit 1H PWB Rev-C-0	Grid System: NAD83 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid epoch
Reference wellbore measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level 9713 feet	Coordinates are in feet referenced to SSI
Mean Sea Level to Ground level (At Slot: Slot #05): -433 feet	Depth is in feet
Official wellbore MDC size referenced to each family default MDC datum	Created by: Industry on 2017-08-29; Database: VAA_MPL_EASTERNUS_DWH

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Roma Lou Pad	1647741.529	14339818.190	39°29'18.9000"N	80°52'25.5400"W	
Slot	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot #05	58.98	1647753.970	14339877.050	39°29'19.4819"N	80°52'25.3823"W
Comment	Fleetwood Unit 1H				
H&P 519 (RKB) to Ground level (At Slot: Slot #05)	30ft				
Mean Sea Level to Ground level (At Slot: Slot #05)	-483ft				
H&P 519 (RKB) to Mean Sea Level	913ft				

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Ac (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (7700ft)	VS (ft)
Tie On	2534.00	1.020	320.430	2531.67	5.00	58.77	0.49	14.33
Prog. to Bottom	2812.00	1.020	320.430	2809.66	6.07	57.89	0.00	13.03
KOP 1	2892.00	1.020	320.430	2889.64	7.17	56.98	0.00	11.70
End of 3D Arc	3316.41	18.402	67.888	3303.52	48.92	146.54	3.00	0.91
Curve KOP	5500.72	18.402	67.888	5376.13	308.48	784.37	0.00	-37.49
POE	6399.25	68.812	161.079	6048.00	-90.92	1094.24	6.00	440.72
Landing Pt.	6951.61	90.000	161.079	6092.00	-324.63	1174.39	8.00	697.88
BHL	19466.61	90.000	161.079	6092.00	-12447.22	5329.75	0.00	13502.88

Well Data

Slot	Well	Wellbore	Wellpath
Slot #05	Fleetwood Unit 1H	Fleetwood Unit 1H-AWB	Fleetwood Unit 1H-AWP Prog. 19429
Slot #05	Fleetwood Unit 1H	Fleetwood Unit 1H-PWB	Fleetwood Unit 1H-PWB Rev-C-0

Gyrodatta MS Gyro <17-1/2"> (100-318) : 0.51° Inc, 100.00ft MD, 100.00ft TVD, -0.28ft VS
APS EM <12-1/4"> (318)(416-2534) : 0.62° Inc, 416.00ft MD, 415.99ft TVD, -1.64ft VS

APS EM <8-3/4"> (2534)(2659-6048) : 0.64° Inc, 2659.00ft MD, 2656.65ft TVD, 12.73ft VS

API: 47-095-02730-0000
BH Job #: 110887504
Rig: H&P 519
Duration: 5/13/2021-5/30/2021



Gyrodatta MS Gyro <17-1/2"> (100-318) : 100.00ft TVD, 0.30ft N, 0.07ft E
APS EM <12-1/4"> (318)(416-2534) : 415.99ft TVD, 1.33ft N, 1.64ft W
APS EM <8-3/4"> (2534)(2659-6048) : 2656.65ft TVD, 6.25ft N, 57.49ft E
BH AT Curve <8-1/2"> (6048)(6090-19404) : 5888.76ft TVD, 122.34ft N, 993.46ft E
Marcellus POE: 6392 MD: 6051.55ft TVD, 108.23ft S, 1093.81ft E

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

REPORT SETUP INFORMATION

Projection System	NAD27 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999600	Report Generated	09/June/2021 at 18:05
Convergence at slot	0.02° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Northing[US ft]	Easting[US ft]	Latitude	Longitude
Slot Location	58.88	12.35	14338877.05	1647753.87	39°29'9.4819"N	80°58'26.3823"W
Facility Reference Pt			14338818.19	1647741.53	39°29'8.9000"N	80°58'26.5400"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	913.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	913.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot #05)	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	161.08°



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'
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OPERATOR		WELLPATH IDENTIFICATION	
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

WELLPATH DATA (211 stations) † = interpolated, ‡ = extrapolated station																
MD	Inclination	Azimuth	TVD	Ver Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
ft	°	°	ft	ft	ft	ft	US ft	US ft			ft	°	ft/100ft	ft/100ft	ft/100ft	
0.00	0.00	13.750	0.00	0.00	0.00	0.00	1647753.87	14338877.05	39°29'9.4819"N	80°58'26.3823"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.00	13.750	30.00	0.00	0.00	0.00	1647753.87	14338877.05	39°29'9.4819"N	80°58'26.3823"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.510	13.750	100.00	-0.26	0.30	0.07	1647753.94	14338877.35	39°29'9.4849"N	80°58'26.3814"W	0.31	13.750	0.73	0.73	0.00	Gyrodatta MS Gyro <17-112> (100-318)
200.00	0.320	42.140	200.00	-0.77	0.94	0.37	1647754.24	14338877.99	39°29'9.4912"N	80°58'26.3776"W	1.01	21.296	0.27	-0.19	26.39	
300.00	0.600	260.050	299.99	-0.99	1.06	0.04	1647753.91	14338878.11	39°29'9.4924"N	80°58'26.3818"W	1.06	2.101	0.87	0.28	-142.09	
318.00	0.800	259.950	317.99	-1.02	1.02	-0.18	1647753.69	14338878.07	39°29'9.4920"N	80°58'26.3846"W	1.04	350.119	1.11	1.11	-0.56	
416.00	0.620	324.110	415.99	-1.64	1.33	-1.16	1647752.71	14338878.38	39°29'9.4961"N	80°58'26.3911"W	1.77	318.863	0.79	-0.18	65.47	APS EM <12-1/4> (318)(416-2534)
507.00	1.110	66.980	506.98	-2.17	2.07	-0.64	1647753.23	14338879.12	39°29'9.5024"N	80°58'26.3905"W	2.17	342.862	1.52	0.54	113.04	
597.00	3.240	86.790	596.91	-1.54	2.56	2.70	1647756.57	14338879.61	39°29'9.5022"N	80°58'26.3478"W	3.72	46.579	2.48	2.37	22.01	
689.00	4.000	89.340	688.73	0.17	2.74	8.51	1647762.37	14338879.79	39°29'9.5090"N	80°58'26.2738"W	8.94	72.147	0.84	0.83	2.77	
779.00	4.050	92.230	778.51	2.30	2.65	14.82	1647768.69	14338879.70	39°29'9.5081"N	80°58'26.1933"W	15.06	79.854	0.23	0.09	3.21	
869.00	4.130	92.230	868.28	4.58	2.44	21.24	1647775.10	14338879.49	39°29'9.5060"N	80°58'26.1151"W	21.38	83.450	0.10	0.09	-0.70	
958.00	4.110	92.650	957.05	6.88	2.20	27.63	1647781.49	14338879.25	39°29'9.5036"N	80°58'26.0300"W	27.71	85.444	0.09	-0.02	1.18	
1049.00	4.090	91.430	1047.81	9.20	1.97	34.13	1647787.98	14338879.02	39°29'9.5013"N	80°58'25.9470"W	34.19	86.697	0.10	-0.02	-1.34	
1144.00	3.950	91.110	1142.58	11.50	1.82	40.79	1647794.64	14338878.87	39°29'9.4998"N	80°58'25.8621"W	40.83	87.443	0.15	-0.15	-0.34	
1239.00	3.670	92.470	1237.37	13.73	1.63	47.10	1647800.95	14338878.68	39°29'9.4979"N	80°58'25.7817"W	47.12	88.021	0.31	-0.29	1.43	
1333.00	3.590	91.250	1331.18	15.84	1.43	53.04	1647806.89	14338878.48	39°29'9.4960"N	80°58'25.7058"W	53.06	86.452	0.12	-0.09	-1.30	
1428.00	3.580	98.850	1426.00	18.25	0.91	58.95	1647812.79	14338877.96	39°29'9.4908"N	80°58'25.6305"W	58.96	89.113	0.50	-0.01	8.00	
1522.00	2.420	113.870	1519.87	20.97	-0.34	63.66	1647817.51	14338876.71	39°29'9.4784"N	80°58'25.5704"W	63.56	90.308	1.48	-1.23	15.98	
1617.00	2.020	135.450	1614.80	23.84	-2.35	66.67	1647820.51	14338874.70	39°29'9.4585"N	80°58'25.5320"W	66.71	92.016	0.97	-0.42	22.72	
1712.00	1.712.00	0.190	140.180	1709.78	25.50	-3.66	67.95	1647821.79	39°29'9.4456"N	80°58'25.5157"W	68.05	93.085	1.93	-1.93	4.98	
1806.00	1.160	289.230	1803.77	25.05	-3.47	67.15	1647820.99	14338873.58	39°29'9.4475"N	80°58'25.5259"W	67.24	92.956	1.41	1.03	158.56	
1901.00	1.000	312.070	1898.75	23.73	-2.60	65.63	1647819.47	14338874.46	39°29'9.4561"N	80°58'25.5453"W	65.68	92.265	0.48	-0.17	24.04	
1995.00	1.050	308.380	1992.74	22.29	-1.51	64.34	1647818.19	14338875.54	39°29'9.4668"N	80°58'25.5617"W	64.36	91.346	0.09	0.05	-3.93	
2090.00	1.070	311.900	2087.72	20.79	-0.38	63.00	1647816.84	14338876.67	39°29'9.4780"N	80°58'25.5592"W	63.00	90.344	0.07	0.02	3.71	
2185.00	0.950	315.800	2182.71	19.30	0.78	61.79	1647815.63	14338877.83	39°29'9.4895"N	80°58'25.5594"W	61.79	89.278	0.15	-0.13	4.11	
2279.00	0.900	328.350	2276.69	17.87	1.97	60.86	1647814.70	14338879.01	39°29'9.5012"N	80°58'25.6061"W	60.89	88.150	0.22	-0.05	13.35	
2374.00	0.780	318.780	2371.68	16.55	3.09	60.04	1647813.89	14338880.14	39°29'9.5123"N	80°58'25.6165"W	60.12	87.057	0.19	-0.13	-10.07	
2469.00	0.780	334.190	2466.68	15.31	4.16	59.33	1647813.18	14338881.20	39°29'9.5228"N	80°58'25.6256"W	59.48	85.994	0.22	0.00	16.22	
2534.00	1.020	320.430	2531.67	14.33	5.00	58.77	1647812.62	14338882.05	39°29'9.5312"N	80°58'25.6327"W	58.98	85.137	0.49	0.37	-21.17	



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

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
2659.00	0.640	304.410	2656.65	12.73	6.25	57.49	1647811.33	14338883.30	39°29'9.5436"N	80°58'25.6491"W	57.83	83.793	0.35	-0.30	-12.82	APS EM <8-3/4" > (26534)(26569-6048)
2753.00	6.490	83.000	2750.47	13.40	7.20	62.33	1647816.18	14338884.24	39°29'9.5529"N	80°58'25.5873"W	62.75	83.414	7.43	6.22	147.44	
2848.00	7.330	72.070	2844.78	14.62	9.72	73.43	1647827.27	14338886.76	39°29'9.5778"N	80°58'25.4458"W	74.07	82.461	1.64	0.88	-11.51	
2943.00	6.730	76.470	2939.07	15.24	12.89	84.61	1647838.44	14338889.93	39°29'9.6090"N	80°58'25.3032"W	85.58	81.340	0.85	-0.63	4.63	
3041.00	9.000	61.560	3036.15	14.52	17.88	96.93	1647850.76	14338894.92	39°29'9.6584"N	80°58'25.1460"W	98.57	79.548	3.10	2.32	-15.21	
3135.00	12.860	55.120	3128.43	10.42	27.37	111.99	1647865.81	14338904.41	39°29'9.7521"N	80°58'24.9539"W	115.28	76.267	4.30	4.11	-6.85	
3230.00	15.020	51.220	3220.63	3.33	41.13	130.26	1647884.08	14338918.16	39°29'9.8880"N	80°58'24.7208"W	136.60	72.478	2.48	2.27	-4.11	
3325.00	18.010	54.830	3311.70	-4.96	57.30	151.86	1647905.67	14338934.33	39°29'10.0478"N	80°58'24.4452"W	162.31	69.328	3.33	3.15	3.80	
3420.00	20.410	59.210	3401.41	-12.48	74.24	178.10	1647931.90	14338951.26	39°29'10.2152"N	80°58'24.1105"W	192.96	67.372	2.95	2.53	4.61	
3514.00	22.430	62.800	3488.92	-18.44	90.83	208.14	1647961.93	14338967.84	39°29'10.3791"N	80°58'23.7273"W	227.10	66.424	2.56	2.15	3.82	
3609.00	23.090	71.410	3576.54	-20.94	105.06	241.93	1647995.70	14338982.07	39°29'10.5196"N	80°58'23.2964"W	263.75	66.527	3.57	0.89	9.06	
3704.00	21.520	72.250	3664.43	-20.48	116.31	276.18	1648029.94	14338993.31	39°29'10.6307"N	80°58'22.8594"W	299.67	67.162	1.69	-1.65	0.88	
3799.00	20.490	77.860	3753.13	-18.16	125.12	309.03	1648062.78	14339002.12	39°29'10.7176"N	80°58'22.4404"W	333.40	67.958	2.38	-1.08	5.91	
3893.00	18.740	75.130	3841.67	-15.15	132.46	339.71	1648093.45	14339009.45	39°29'10.7901"N	80°58'22.0490"W	364.62	68.699	2.10	-1.86	-2.90	
3988.00	17.430	71.130	3931.98	-14.06	140.97	367.93	1648121.65	14339017.97	39°29'10.8742"N	80°58'21.6891"W	394.01	69.035	1.90	-1.38	-4.21	
4083.00	15.730	67.560	4023.03	-14.84	150.49	393.30	1648147.01	14339027.48	39°29'10.9682"N	80°58'21.3655"W	421.11	69.061	2.09	-1.79	-3.76	
4178.00	17.430	68.420	4114.07	-16.29	160.64	418.43	1648172.14	14339037.63	39°29'11.0684"N	80°58'21.0449"W	448.21	68.998	1.81	1.79	0.91	
4272.00	15.980	72.050	4203.83	-16.71	170.09	444.72	1648198.41	14339047.08	39°29'11.1617"N	80°58'20.7096"W	476.14	69.069	1.18	-0.29	3.86	
4367.00	15.980	70.600	4294.88	-16.58	178.76	470.39	1648224.07	14339055.73	39°29'11.2473"N	80°58'20.3822"W	503.21	69.192	1.32	-1.24	-1.53	
4462.00	14.750	69.350	4386.48	-17.05	187.37	494.04	1648247.71	14339064.34	39°29'11.3323"N	80°58'20.0805"W	528.37	69.231	1.34	-1.29	-1.32	
4557.00	15.470	63.470	4478.20	-19.10	197.29	516.69	1648270.95	14339074.26	39°29'11.4303"N	80°58'19.7916"W	553.08	69.101	1.78	0.76	-6.19	
4651.00	16.730	69.440	4568.52	-21.14	207.64	540.58	1648294.23	14339084.61	39°29'11.5325"N	80°58'19.4869"W	579.09	68.988	2.21	1.34	6.35	
4746.00	18.370	76.570	4659.11	-20.10	215.92	567.95	1648321.59	14339092.89	39°29'11.6143"N	80°58'19.1378"W	607.61	69.184	2.84	1.73	7.51	
4841.00	17.930	70.720	4749.39	-18.76	224.23	596.31	1648349.94	14339101.19	39°29'11.6963"N	80°58'18.7760"W	637.08	69.392	1.97	-0.46	-6.16	
4936.00	16.410	64.460	4840.16	-20.40	234.84	622.23	1648375.85	14339111.80	39°29'11.8011"N	80°58'18.4454"W	665.07	69.322	2.52	-1.60	-6.59	
5030.00	17.780	63.880	4930.00	-23.73	246.89	647.09	1648400.70	14339123.84	39°29'11.9201"N	80°58'18.1282"W	692.59	69.117	1.47	1.46	-0.62	
5125.00	19.250	69.480	5020.09	-25.99	258.76	674.79	1648428.39	14339135.71	39°29'12.0374"N	80°58'17.7749"W	722.70	69.019	2.43	1.55	5.89	
5220.00	21.260	73.510	5109.22	-25.69	269.14	705.97	1648459.56	14339146.09	39°29'12.1399"N	80°58'17.3771"W	755.54	69.131	2.57	2.12	4.24	
5315.00	20.510	69.310	5197.98	-25.48	279.91	738.06	1648491.63	14339156.85	39°29'12.2462"N	80°58'16.9678"W	789.36	69.230	1.76	-0.79	-4.42	
5410.00	18.240	71.660	5287.59	-25.84	290.47	767.75	1648521.31	14339167.41	39°29'12.3505"N	80°58'16.5892"W	820.86	69.276	2.53	-2.39	2.47	



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'

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Reference Wellpath Identification	
Operator	ANTERO RESOURCES CORPORATION
Field	Tyler
Facility	Roma Lou Pad
Slot	Slot #05
Well	Fleetwood Unit 1H
API	47-095-02730-0000
Wellbore	Fleetwood Unit 1H AWB

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North				Latitude	Longitude				Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
					East (ft)	Grid East (US ft)	Grid North (US ft)	East (ft)		Grid East (US ft)	Grid North (US ft)	Longitude	Longitude						
5505.00	15.720	84.340	5378.48	-22.74	296.42	794.68	1648348.23	14339173.36	39°29'12.4092"N	80°58'16.2456"W	848.16	69.544	4.70	-2.65	13.35				
5599.00	16.830	107.890	5468.81	-1.65	293.50	820.33	1648573.67	14339170.43	39°29'12.3802"N	80°58'15.9185"W	871.25	70.314	7.07	1.18	25.05				
5694.00	24.470	125.030	5557.72	12.56	277.94	849.60	1648603.13	14339154.88	39°29'12.2264"N	80°58'15.5452"W	893.91	71.885	10.18	8.04	18.04				
5789.00	29.560	131.930	5642.35	48.96	250.96	883.17	1648636.69	14339127.91	39°29'11.9596"N	80°58'15.1171"W	918.14	74.137	6.28	5.36	7.26				
5884.00	29.420	130.690	5725.04	89.55	220.09	918.30	1648671.80	14339097.06	39°29'11.6544"N	80°58'14.6692"W	944.31	76.522	0.66	-0.15	-1.31				
5978.00	36.440	141.100	5803.95	135.80	183.24	953.41	1648706.90	14339060.22	39°29'11.2901"N	80°58'14.2216"W	970.86	79.121	9.57	7.47	11.07				
6033.00†	40.725	146.324	5846.95	168.53	155.58	973.63	1648727.11	14339032.56	39°29'11.0166"N	80°58'13.9638"W	985.98	80.921	9.78	7.79	9.50	Syncamore: 6033' MD			
6048.00	41.930	147.590	5858.21	178.13	147.27	979.03	1648732.91	14339024.24	39°29'10.9345"N	80°58'13.8950"W	990.04	81.445	9.78	8.04	8.44				
6090.00	44.740	152.180	5888.76	206.39	122.34	993.46	1648746.93	14338999.34	39°29'10.6681"N	80°58'13.7111"W	1000.96	82.980	10.05	6.69	10.93	BH AT Curve <-8-1/2"> (6048)-(6090-19404)			
6178.00†	51.847	155.634	5945.95	270.05	64.69	1021.57	1648755.03	14338941.71	39°29'10.1181"N	80°58'13.3527"W	1023.62	86.377	8.79	8.26	4.02	Middlesex: 6176' MD			
6186.00	52.680	155.990	5952.07	277.93	57.47	1024.81	1648778.27	14338934.50	39°29'10.0468"N	80°58'13.3114"W	1026.42	86.790	8.79	8.33	3.56				
6281.00	60.120	157.350	6004.61	356.76	-15.15	1056.09	1648809.53	14338861.91	39°29'9.3290"N	80°58'12.9128"W	1056.20	90.822	7.92	7.83	3.56				
6327.00†	63.996	157.703	6026.16	397.31	-52.69	1071.62	1648825.06	14338824.38	39°29'8.9579"N	80°58'12.7149"W	1072.91	92.815	8.45	8.43	0.77	Burkett: 6327' MD			
6328.00	64.080	157.710	6026.60	398.21	-53.52	1071.96	1648825.40	14338823.55	39°29'8.9497"N	80°58'12.7106"W	1073.29	92.858	8.45	8.43	0.74				
6376.00	68.520	158.520	6045.89	442.09	-94.30	1088.33	1648841.76	14338782.79	39°29'8.5466"N	80°58'12.5019"W	1092.41	94.952	9.38	9.25	1.69				
6392.00†	70.021	158.548	6051.55	457.04	-108.23	1093.81	1648847.24	14338768.87	39°29'8.4090"N	80°58'12.4322"W	1099.15	95.651	9.38	9.38	0.17	Marcellus POE: 6392' MD			
6423.00	72.930	158.600	6061.40	486.41	-135.58	1104.54	1648857.97	14338741.52	39°29'8.1385"N	80°58'12.2953"W	1112.84	96.998	9.38	9.38	0.17				
6471.00	77.160	159.800	6073.78	532.74	-178.93	1121.00	1648874.42	14338698.19	39°29'7.7101"N	80°58'12.0856"W	1135.19	99.069	9.14	8.81	2.50				
6565.00	83.030	162.610	6089.95	625.29	-266.55	1150.80	1648904.21	14338610.61	39°29'6.8440"N	80°58'11.7059"W	1181.27	103.041	6.90	6.24	2.89				
6660.00	90.150	165.370	6095.60	719.93	-357.64	1176.93	1648930.33	14338519.56	39°29'5.9437"N	80°58'11.3731"W	1230.07	106.903	8.04	7.49	2.91				
6755.00	89.540	161.300	6095.85	814.84	-448.63	1204.17	1648957.55	14338428.60	39°29'5.0443"N	80°58'11.0261"W	1285.02	110.433	4.33	-0.64	-4.28				
6850.00	89.380	161.240	6096.75	909.83	-538.59	1234.67	1648988.05	14338338.68	39°29'4.1550"N	80°58'10.6374"W	1347.03	113.568	0.18	-0.17	-0.06				
6944.00	89.380	160.860	6097.77	1003.83	-627.49	1265.20	1649015.56	14338249.81	39°29'3.2763"N	80°58'10.2485"W	1412.28	116.380	0.40	0.00	-0.40				
7039.00	90.920	158.520	6097.52	1098.79	-716.58	1298.17	1649051.51	14338160.76	39°29'2.3957"N	80°58'8.8284"W	1482.81	118.898	2.95	1.62	-2.46				
7134.00	89.880	158.580	6096.85	1193.69	-804.99	1332.91	1649086.24	14338072.36	39°29'1.5217"N	80°58'9.3857"W	1557.13	121.129	1.10	-1.09	0.06				
7229.00	89.540	159.270	6097.34	1288.62	-893.64	1367.07	1649120.39	14337983.77	39°29'0.6455"N	80°58'8.9504"W	1633.23	123.172	0.81	-0.36	0.73				
7324.00	90.430	159.710	6097.36	1383.58	-882.61	1400.35	1649153.66	14337894.83	39°29'0.7660"N	80°58'8.5263"W	1710.70	125.057	1.05	0.94	0.46				
7418.00	90.710	160.260	6096.42	1477.56	-1070.93	1432.52	1649185.82	14337806.55	39°29'58.8930"N	80°58'8.1644"W	1788.58	126.781	0.66	0.30	0.59				
7513.00	89.230	160.950	6096.47	1572.56	-1160.54	1464.07	1649217.35	14337715.98	39°29'58.0073"N	80°58'7.7145"W	1868.25	128.403	1.72	-1.56	0.73				
7608.00	90.710	161.260	6096.52	1667.55	-1250.41	1494.83	1649248.10	14337627.14	39°29'57.1189"N	80°58'7.3225"W	1948.86	129.912	1.59	1.56	0.33				

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

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
7702.00	89.050	161.030	6096.72	1761.55	-1339.37	1525.21	1649278.47	14337538.22	39°28'56.2396"N	80°58'6.9355"W	2029.92	131.288	1.78	-1.77	-0.24	
7797.00	89.230	161.190	6098.15	1856.54	-1429.24	1555.96	1649309.21	14337448.38	39°28'55.3513"N	80°58'6.5437"W	2112.76	132.569	0.25	0.19	0.17	
7892.00	90.090	160.740	6098.71	1951.54	-1519.04	1586.95	1649340.18	14337358.62	39°28'54.4636"N	80°58'6.1489"W	2196.79	133.748	1.02	0.91	-0.47	
7987.00	90.150	157.600	6098.51	2046.47	-1607.82	1620.72	1649373.94	14337269.87	39°28'53.5861"N	80°58'5.7186"W	2282.94	134.771	3.31	0.06	-3.31	
8081.00	87.970	157.280	6100.05	2140.26	-1694.61	1656.78	1649409.98	14337183.12	39°28'52.7282"N	80°58'5.2591"W	2369.94	135.647	2.34	-2.32	-0.34	
8176.00	89.050	161.790	6102.53	2235.17	-1783.56	1689.97	1649443.16	14337094.20	39°28'51.8489"N	80°58'4.8362"W	2457.05	136.543	4.88	1.14	4.75	
8271.00	88.370	161.470	6104.66	2330.14	-1873.70	1719.90	1649473.08	14337004.10	39°28'50.9580"N	80°58'4.4549"W	2543.39	137.451	0.79	-0.72	-0.34	
8366.00	88.430	161.250	6107.32	2425.10	-1963.68	1750.26	1649503.42	14336914.16	39°28'50.0885"N	80°58'4.0882"W	2630.48	138.289	0.24	0.06	-0.23	
8461.00	88.430	161.310	6109.92	2520.07	-2053.62	1780.73	1649533.89	14336824.25	39°28'49.1795"N	80°58'3.6799"W	2718.16	139.071	0.06	0.00	0.06	
8556.00	88.180	160.950	6112.73	2615.03	-2143.48	1811.45	1649564.59	14336734.44	39°28'48.2913"N	80°58'3.2886"W	2806.39	139.799	0.46	-0.26	-0.38	
8650.00	89.690	160.640	6114.48	2709.00	-2232.23	1842.36	1649595.49	14336645.72	39°28'47.4141"N	80°58'2.8948"W	2894.33	140.466	1.64	1.81	-0.33	
8745.00	87.630	161.050	6116.70	2803.97	-2321.94	1873.52	1649626.64	14336556.05	39°28'46.5273"N	80°58'2.4978"W	2983.53	141.101	2.21	-2.17	0.43	
8840.00	89.380	160.220	6119.18	2898.93	-2411.53	1905.01	1649658.12	14336466.49	39°28'45.6417"N	80°58'2.0966"W	3073.20	141.693	2.04	1.84	-0.87	
8935.00	90.490	160.200	6119.28	2993.92	-2500.91	1937.18	1649690.27	14336377.14	39°28'44.7582"N	80°58'1.6869"W	3163.42	142.239	1.17	1.17	-0.02	
9029.00	89.780	160.460	6119.06	3087.91	-2589.43	1968.82	1649721.89	14336288.66	39°28'43.8832"N	80°58'1.2838"W	3252.90	142.753	0.80	-0.76	0.28	
9124.00	90.580	161.330	6118.76	3182.91	-2678.19	1999.91	1649752.97	14336198.93	39°28'42.9959"N	80°58'0.8877"W	3343.31	143.260	1.24	0.84	0.92	
9219.00	89.600	161.430	6118.61	3277.91	-2769.22	2030.24	1649783.29	14336108.94	39°28'42.1061"N	80°58'0.5013"W	3433.72	143.753	1.04	-1.03	0.11	
9314.00	90.620	162.050	6118.43	3372.90	-2859.43	2060.01	1649813.05	14336018.76	39°28'41.2143"N	80°58'0.1221"W	3524.20	144.230	1.26	1.07	0.65	
9408.00	88.370	159.690	6119.26	3466.88	-2948.23	2090.81	1649843.84	14335930.01	39°28'40.3366"N	80°57'59.7297"W	3614.35	144.657	3.47	-2.39	-2.51	
9503.00	89.860	160.180	6120.71	3561.85	-3037.45	2123.39	1649876.41	14335840.82	39°28'39.4547"N	80°57'59.3146"W	3706.06	145.044	1.67	1.59	0.52	
9598.00	90.490	160.960	6120.41	3656.84	-3127.04	2155.00	1649908.00	14335751.27	39°28'38.5692"N	80°57'58.9120"W	3797.68	145.427	1.04	0.64	0.82	
9693.00	88.490	160.100	6121.25	3751.83	-3216.60	2186.66	1649939.65	14335661.75	39°28'37.6839"N	80°57'58.5087"W	3889.47	145.792	2.29	-2.11	-0.91	
9787.00	89.720	160.490	6122.72	3845.81	-3305.08	2218.35	1649971.33	14335573.30	39°28'36.8093"N	80°57'58.1050"W	3980.53	146.131	1.37	1.31	0.41	
9882.00	89.970	161.800	6123.98	3940.80	-3394.98	2249.05	1650002.01	14335483.44	39°28'35.9206"N	80°57'57.7139"W	4072.36	146.477	1.40	0.26	1.38	
9977.00	88.890	162.440	6123.92	4035.78	-3485.38	2278.21	1650031.17	14335393.07	39°28'35.0270"N	80°57'57.3424"W	4163.91	146.829	1.32	-1.14	0.67	
10072.00	89.820	161.660	6124.39	4130.76	-3575.75	2307.49	1650060.43	14335302.73	39°28'34.1338"N	80°57'56.9695"W	4255.64	147.165	1.28	0.98	-0.82	
10167.00	89.910	162.260	6125.21	4225.75	-3666.08	2336.91	1650089.84	14335212.44	39°28'33.2409"N	80°57'56.5948"W	4347.56	147.485	0.64	0.09	0.63	
10261.00	89.600	161.790	6125.62	4319.73	-3755.49	2365.92	1650118.84	14335123.07	39°28'32.3571"N	80°57'56.2253"W	4438.61	147.790	0.60	-0.33	-0.50	
10356.00	89.970	162.110	6125.97	4414.72	-3845.82	2395.35	1650148.26	14335032.78	39°28'31.4643"N	80°57'55.8503"W	4530.78	148.083	0.51	0.39	0.34	
10451.00	89.940	162.370	6126.05	4509.70	-3936.29	2424.33	1650177.22	14334942.34	39°28'30.5700"N	80°57'55.4813"W	4622.96	148.371	0.28	-0.03	0.27	



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'

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OPERATOR		WELL	
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

WELLPATH DATA (211 stations)																
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	VertSect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Built Rate (°/100ft)	Turn Rate (°/100ft)	Comments
10545.00	91.200	161.620	6125.11	4603.68	-4025.68	2453.38	1650206.27	14334852.99	39°28'29.6864"N	80°57'55.1112"W	4714.36	148.640	1.56	1.34	-0.80	
10640.00	90.180	160.520	6123.97	4698.67	-4115.53	2484.20	1650237.07	14334763.17	39°28'28.7982"N	80°57'54.7187"W	4807.17	148.984	1.58	-1.07	-1.16	
10734.00	90.280	162.080	6123.59	4792.67	-4204.57	2514.34	1650267.19	14334674.17	39°28'27.9182"N	80°57'54.3348"W	4899.01	149.121	1.66	-0.11	-1.66	
10829.00	89.880	162.060	6123.46	4887.66	-4294.95	2543.58	1650296.43	14334583.82	39°28'27.0247"N	80°57'53.9623"W	4991.63	149.365	0.42	-0.42	-0.02	
10924.00	89.630	162.150	6123.86	4982.64	-4385.35	2572.77	1650325.61	14334493.46	39°28'26.1311"N	80°57'53.5905"W	5084.34	149.601	0.28	-0.26	0.09	
11018.00	91.050	161.710	6123.31	5076.62	-4474.71	2601.93	1650354.75	14334404.13	39°28'25.2478"N	80°57'53.2192"W	5176.20	149.823	1.58	1.51	-0.47	
11113.00	90.280	162.080	6122.20	5171.61	-4565.00	2631.45	1650384.26	14334313.88	39°28'24.3554"N	80°57'52.8432"W	5269.13	150.039	0.90	-0.81	0.39	
11207.00	89.750	161.920	6122.18	5265.60	-4654.40	2660.49	1650413.30	14334224.52	39°28'23.4717"N	80°57'52.4732"W	5361.13	150.247	0.59	-0.56	-0.17	
11302.00	90.220	162.240	6122.20	5360.58	-4744.79	2689.73	1650442.51	14334134.16	39°28'22.5782"N	80°57'52.1009"W	5454.14	150.452	0.60	0.49	0.34	
11397.00	89.780	161.930	6122.20	5455.57	-4835.19	2718.95	1650471.72	14334043.81	39°28'21.6847"N	80°57'51.7288"W	5547.23	150.650	0.57	-0.46	-0.33	
11492.00	89.850	161.920	6122.51	5550.55	-4925.50	2748.42	1650501.19	14333953.53	39°28'20.7920"N	80°57'51.3534"W	5640.42	150.839	0.07	0.07	-0.01	
11586.00	89.780	162.060	6122.81	5644.54	-5014.89	2777.49	1650530.24	14333864.17	39°28'19.9084"N	80°57'50.9832"W	5732.68	151.020	0.17	-0.07	0.15	
11681.00	89.690	162.620	6123.25	5739.52	-5105.41	2806.30	1650559.05	14333773.69	39°28'19.0136"N	80°57'50.6162"W	5825.66	151.204	0.60	-0.09	0.59	
11776.00	90.980	161.270	6122.70	5834.50	-5195.73	2835.75	1650588.48	14333683.41	39°28'18.1208"N	80°57'50.2412"W	5919.21	151.375	1.97	1.36	-1.42	
11870.00	89.380	161.760	6122.40	5928.49	-5284.88	2865.55	1650618.27	14333594.30	39°28'17.2396"N	80°57'49.8616"W	6011.76	151.533	1.78	-1.70	0.52	
11965.00	89.230	161.940	6123.56	6023.48	-5375.14	2895.14	1650647.85	14333504.07	39°28'16.3474"N	80°57'49.4848"W	6105.24	151.692	0.25	-0.16	0.19	
12060.00	89.140	161.940	6124.91	6118.46	-5465.45	2924.59	1650677.32	14333413.79	39°28'15.4547"N	80°57'48.7271"W	6198.74	151.849	0.09	-0.09	0.00	
12155.00	89.200	161.180	6126.28	6213.44	-5555.57	2954.63	1650707.28	14333323.72	39°28'14.5639"N	80°57'48.2211"W	6292.39	151.994	0.80	0.06	-0.80	
12249.00	90.740	163.580	6126.33	6307.41	-5645.15	2983.08	1650735.76	14333234.17	39°28'13.6785"N	80°57'48.3647"W	6384.86	152.147	3.03	1.64	2.55	
12344.00	91.600	162.550	6124.39	6402.33	-5736.01	3010.75	1650763.41	14333143.35	39°28'12.7804"N	80°57'48.0124"W	6478.15	152.306	1.41	0.91	-1.08	
12439.00	89.230	161.750	6123.70	6497.31	-5826.42	3039.87	1650792.52	14333052.97	39°28'11.8866"N	80°57'47.6416"W	6571.76	152.447	2.63	-2.49	-0.84	
12534.00	89.780	160.990	6124.53	6592.30	-5916.44	3070.21	1650822.85	14332962.99	39°28'10.9968"N	80°57'47.2551"W	6665.62	152.574	0.99	0.58	-0.80	
12628.00	88.920	158.870	6125.59	6686.27	-6004.72	3102.47	1650855.09	14332874.74	39°28'10.1242"N	80°57'46.8443"W	6758.85	152.676	2.43	-0.91	-2.26	
12723.00	89.010	157.640	6127.31	6781.14	-6092.95	3137.66	1650890.27	14332786.55	39°28'9.2521"N	80°57'46.3961"W	6853.38	152.753	1.30	0.09	-1.29	
12818.00	88.830	157.170	6129.10	6875.92	-6180.64	3174.15	1650926.74	14332698.90	39°28'8.3652"N	80°57'45.9312"W	6948.06	152.817	0.53	-0.19	-0.49	
12912.00	88.550	158.350	6133.25	6969.74	-6267.62	3203.15	1650962.30	14332611.95	39°28'7.5254"N	80°57'45.4781"W	7041.69	152.883	1.29	-0.30	1.26	
13007.00	88.920	160.430	6133.34	7064.67	-6356.51	3243.15	1650995.71	14332523.09	39°28'6.6467"N	80°57'45.0523"W	7136.05	152.969	2.22	0.39	2.19	
13101.00	89.450	160.310	6134.68	7158.65	-6445.04	3274.72	1651027.28	14332434.60	39°28'5.7716"N	80°57'44.6502"W	7229.27	153.065	0.58	0.56	-0.13	
13196.00	89.940	160.430	6135.19	7253.64	-6534.52	3306.64	1651059.18	14332345.16	39°28'4.8871"N	80°57'44.2477"W	7323.51	153.159	0.53	0.52	0.13	
13291.00	89.750	160.380	6135.44	7348.64	-6624.02	3338.50	1651091.03	14332255.70	39°28'4.0024"N	80°57'43.8380"W	7417.76	153.252	0.21	-0.20	-0.05	

REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

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
13386.00	90.090	160.130	6135.58	7443.63	-6713.43	3370.59	1651123.11	14332166.32	39°28'3.1186"N	80°57'43.4292"W	7512.06	153.340	0.44	0.36	-0.26	
13481.00	90.620	159.880	6134.99	7538.61	-6802.70	3403.08	1651155.58	14332077.08	39°28'2.2362"N	80°57'43.0155"W	7606.42	153.423	0.62	0.56	-0.26	
13575.00	90.150	160.690	6134.36	7632.59	-6891.19	3434.78	1651187.27	14331988.63	39°28'1.3615"N	80°57'42.6117"W	7699.76	153.507	1.00	-0.50	0.86	
13670.00	90.120	160.170	6134.13	7727.59	-6980.70	3466.30	1651219.08	14331899.15	39°28'0.4767"N	80°57'42.2064"W	7794.07	153.591	0.55	-0.03	-0.55	
13764.00	89.940	160.420	6134.08	7821.58	-7069.20	3498.30	1651250.76	14331810.70	39°27'59.6019"N	80°57'41.8028"W	7887.44	153.671	0.33	-0.19	0.27	
13859.00	89.970	160.490	6134.16	7916.57	-7158.72	3530.08	1651282.53	14331721.21	39°27'58.7169"N	80°57'41.3980"W	7981.78	153.751	0.08	0.03	0.07	
13953.00	89.910	157.670	6134.26	8010.51	-7246.52	3563.64	1651316.08	14331633.45	39°27'57.8491"N	80°57'40.9706"W	8075.37	153.813	3.00	-0.06	-3.00	
14048.00	89.570	159.940	6134.69	8105.42	-7335.08	3597.99	1651350.41	14331544.91	39°27'56.9736"N	80°57'40.5332"W	8170.00	153.871	2.42	-0.36	2.39	
14143.00	89.600	160.150	6135.38	8200.41	-7424.38	3630.41	1651382.82	14331455.66	39°27'56.0909"N	80°57'40.1203"W	8264.46	153.942	0.22	0.03	0.22	
14238.00	89.940	160.880	6135.76	8295.40	-7513.94	3662.10	1651414.49	14331366.13	39°27'55.2056"N	80°57'39.7167"W	8358.84	154.017	0.85	0.36	0.77	
14332.00	89.600	160.440	6136.13	8389.40	-7602.63	3693.23	1651445.61	14331277.48	39°27'54.3289"N	80°57'39.3203"W	8452.21	154.090	0.59	-0.36	-0.47	
14427.00	89.780	160.440	6137.16	8479.38	-7781.66	3756.84	1651509.20	14331098.52	39°27'52.5592"N	80°57'38.5102"W	8641.07	154.230	0.09	0.09	0.00	
14522.00	89.750	160.650	6137.55	8674.38	-7871.24	3788.48	1651540.82	14331008.98	39°27'51.6737"N	80°57'38.1073"W	8735.50	154.298	0.22	-0.03	0.22	
14617.00	89.260	160.380	6138.36	8768.37	-7959.85	3819.83	1651572.16	14330920.40	39°27'50.7978"N	80°57'37.7080"W	8828.95	154.384	0.60	-0.52	-0.29	
14711.00	89.450	160.420	6140.50	8858.34	-8138.83	3883.56	1651635.87	14330741.49	39°27'49.0286"N	80°57'36.8965"W	9017.90	154.491	0.10	0.10	0.02	
14996.00	89.540	160.540	6141.34	9053.33	-8228.37	3915.30	1651667.60	14330651.99	39°27'48.1435"N	80°57'36.4923"W	9112.39	154.553	0.16	0.09	0.13	
15090.00	88.650	160.980	6142.83	9147.32	-8317.10	3946.27	1651698.56	14330563.29	39°27'47.2664"N	80°57'36.0979"W	9205.83	154.617	1.06	-0.95	0.47	
15185.00	89.940	160.320	6143.99	9242.31	-8406.73	3977.75	1651730.02	14330473.70	39°27'46.3804"N	80°57'35.6971"W	9300.30	154.678	1.53	1.36	-0.69	
15280.00	89.540	161.480	6144.43	9337.30	-8496.50	4008.83	1651761.09	14330383.97	39°27'45.4931"N	80°57'35.3013"W	9394.74	154.741	1.29	-0.42	1.22	
15375.00	89.290	161.650	6145.40	9432.30	-8586.62	4038.87	1651791.12	14330293.89	39°27'44.6023"N	80°57'34.9188"W	9489.07	154.809	0.32	-0.26	0.18	
15564.00	91.050	162.360	6144.83	9621.26	-8766.36	4097.26	1651849.48	14330114.21	39°27'42.8255"N	80°57'34.1754"W	9676.60	154.949	1.00	0.93	0.38	
15659.00	90.340	161.580	6143.68	9716.24	-8856.69	4126.66	1651878.87	14330023.92	39°27'41.9326"N	80°57'33.8011"W	9770.99	155.017	1.11	-0.75	-0.82	
15754.00	89.510	161.300	6143.81	9811.24	-8946.75	4156.90	1651909.10	14329933.90	39°27'41.0424"N	80°57'33.4160"W	9865.30	155.079	0.92	-0.87	-0.29	
15848.00	91.110	160.310	6143.30	9905.23	-9035.52	4187.80	1651939.99	14329845.17	39°27'40.1649"N	80°57'33.0225"W	9958.83	155.133	2.00	1.70	-1.05	
15943.00	90.180	160.590	6142.23	10000.22	-9125.03	4218.59	1651971.76	14329755.69	39°27'39.2801"N	80°57'32.6178"W	10053.41	155.183	1.02	-0.98	0.29	
16037.00	90.000	161.340	6142.08	10094.22	-9213.89	4250.25	1652002.41	14329666.86	39°27'38.4017"N	80°57'32.2274"W	10146.94	155.237	0.82	-0.19	0.80	
16132.00	90.000	160.970	6142.08	10189.22	-9303.80	4280.93	1652033.08	14329576.99	39°27'37.5130"N	80°57'31.8367"W	10241.44	155.292	0.39	0.00	-0.39	
16227.00	90.220	161.510	6141.90	10284.22	-9393.75	4311.48	1652063.62	14329487.07	39°27'36.6238"N	80°57'31.4477"W	10335.93	155.346	0.61	0.23	0.57	
16322.00	89.910	161.590	6141.79	10379.21	-9483.87	4341.55	1652093.67	14329396.99	39°27'35.7330"N	80°57'31.0649"W	10430.38	155.403	0.34	-0.33	0.08	
16511.00	90.400	161.550	6141.28	10568.21	-9663.17	4401.30	1652153.40	14329217.76	39°27'33.9606"N	80°57'30.3042"W	10618.30	155.512	0.26	0.26	-0.02	



Actual Wellpath Report
Fleetwood Unit 1H AWP Proj: 19429'



REFERENCE WELL PATH IDENTIFICATION				
Operator	ANTERO RESOURCES CORPORATION		Well	Fleetwood Unit 1H
Field	Tyler		API	47-095-02730-0000
Facility	Roma Lou Pad		Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05			

WELLPATH DATA (211 stations)																
MD	Inclination	YVD	Azimuth	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate	Comments
ft	°	ft	°	ft	ft	ft	US ft	US ft			ft	°	"/100ft	"/100ft	"/100ft	
16606.00	90.250	160.810	6140.74	10663.20	-97.63.09	4431.95	1652184.04	14329127.88	39°27'33.0717"N	80°57'29.9140"W	10712.84	155.562	0.79	-0.16	-0.78	
16700.00	90.000	161.470	6140.54	10767.20	-9842.04	4462.33	1652214.41	14329038.96	39°27'32.1924"N	80°57'29.5271"W	10806.40	155.611	0.75	-0.27	0.70	
16795.00	90.650	162.280	6140.00	10862.19	-9932.33	4491.89	1652243.95	14328948.71	39°27'31.3000"N	80°57'29.1509"W	10900.83	155.665	1.09	0.68	0.85	
16890.00	90.550	161.450	6139.00	10947.17	-10022.60	4521.45	1652273.51	14328858.48	39°27'30.4076"N	80°57'28.7745"W	10995.28	155.719	0.88	-0.11	-0.87	
16985.00	90.310	163.190	6138.29	11042.15	-10113.11	4550.30	1652302.34	14328768.00	39°27'29.5130"N	80°57'28.4027"W	11089.65	155.775	1.85	-0.25	1.83	
17079.00	90.090	161.440	6137.96	11136.12	-10202.66	4578.86	1652330.89	14328678.49	39°27'28.6277"N	80°57'28.0437"W	11183.04	155.830	1.88	-0.23	-1.86	
17174.00	90.150	161.160	6137.76	11231.12	-10292.65	4609.32	1652361.33	14328588.54	39°27'27.7382"N	80°57'27.6559"W	11277.61	155.876	0.30	0.06	0.25	
17269.00	90.400	161.400	6137.31	11326.12	-10382.62	4639.80	1652391.81	14328498.60	39°27'26.8488"N	80°57'27.2677"W	11372.19	155.921	0.36	0.26	0.25	
17458.00	90.030	161.640	6136.60	11515.11	-10561.87	4699.71	1652451.69	14328408.42	39°27'25.0769"N	80°57'26.5051"W	11560.30	156.012	0.23	-0.20	0.13	
17553.00	90.150	161.530	6136.45	11610.11	-10662.01	4729.72	1652481.69	14328329.32	39°27'24.1859"N	80°57'26.1230"W	11654.85	156.058	0.17	0.13	-0.12	
17648.00	90.400	161.250	6135.99	11705.10	-10742.04	4760.04	1652512.00	14328249.33	39°27'23.2960"N	80°57'25.7371"W	11749.44	156.101	0.40	0.26	-0.29	
17742.00	90.430	160.750	6135.31	11799.10	-10830.92	4790.64	1652542.59	14328160.49	39°27'22.4174"N	80°57'25.3475"W	11843.10	156.140	0.53	0.03	-0.53	
17837.00	90.310	161.570	6134.70	11894.10	-10920.82	4821.32	1652573.25	14328070.62	39°27'21.5287"N	80°57'24.9669"W	11937.73	156.180	0.87	-0.13	0.86	
17932.00	90.280	161.550	6134.21	11989.09	-11010.95	4851.37	1652603.29	14327980.53	39°27'20.6379"N	80°57'24.5744"W	12032.32	156.222	0.04	-0.03	-0.02	
18027.00	90.890	161.670	6133.24	12084.08	-11101.09	4881.34	1652633.24	14327890.42	39°27'19.7466"N	80°57'24.1928"W	12126.90	156.264	0.65	0.64	0.13	
18122.00	90.490	160.980	6132.09	12179.08	-11191.08	4911.75	1652663.65	14327800.47	39°27'18.8572"N	80°57'23.8056"W	12221.52	156.303	0.84	-0.42	-0.73	
18216.00	90.580	161.160	6131.22	12273.07	-11279.99	4942.25	1652694.13	14327710.59	39°27'17.9783"N	80°57'23.4174"W	12315.19	156.340	0.21	0.10	0.19	
18311.00	91.630	160.790	6129.38	12368.05	-11369.78	4973.21	1652725.08	14327620.84	39°27'17.0907"N	80°57'23.0233"W	12409.87	156.375	1.17	-1.11	-0.39	
18405.00	90.800	161.270	6127.39	12462.03	-11458.66	5003.76	1652755.62	14327530.00	39°27'16.2122"N	80°57'22.6344"W	12503.54	156.410	1.02	-0.88	0.51	
18500.00	91.910	163.930	6125.14	12556.96	-11549.28	5032.16	1652784.00	14327439.42	39°27'15.3164"N	80°57'22.2428"W	12597.95	156.457	3.03	1.17	2.80	
18595.00	90.520	161.940	6123.13	12651.88	-11640.07	5060.03	1652811.86	14327349.66	39°27'14.4190"N	80°57'21.9181"W	12692.32	156.505	2.55	-1.46	-2.09	
18689.00	90.370	161.720	6122.40	12745.87	-11729.38	5089.34	1652841.16	14327259.39	39°27'13.5367"N	80°57'21.5450"W	12786.92	156.544	0.28	-0.16	-0.23	
18784.00	90.460	161.240	6121.71	12840.87	-11819.45	5119.51	1652871.33	14327169.23	39°27'12.6457"N	80°57'21.1690"W	12880.56	156.580	0.51	0.09	-0.51	
18878.00	90.460	161.670	6120.96	12934.86	-11908.57	5149.41	1652901.21	14327079.27	39°27'11.7648"N	80°57'20.7804"W	12974.22	156.616	0.46	0.00	0.46	
18973.00	90.280	161.920	6120.34	13029.85	-11998.81	5179.09	1652930.88	14326989.36	39°27'10.8728"N	80°57'20.4026"W	13068.84	156.653	0.32	-0.19	0.26	
19067.00	90.430	161.350	6119.76	13123.84	-12088.02	5208.70	1652960.48	14326903.89	39°27'9.9909"N	80°57'20.0256"W	13162.48	156.688	0.63	0.16	-0.61	
19162.00	90.550	161.690	6118.95	13218.84	-12178.12	5238.81	1652990.58	14326818.82	39°27'9.1003"N	80°57'19.6423"W	13257.14	156.723	0.38	0.13	0.36	
19257.00	90.580	161.810	6118.01	13313.83	-12268.34	5268.56	1653020.32	14326733.64	39°27'8.2088"N	80°57'19.2636"W	13351.77	156.759	0.13	0.03	0.13	
19352.00	90.620	161.430	6117.02	13408.82	-12358.49	5298.52	1653050.26	14326648.53	39°27'7.3174"N	80°57'18.8823"W	13446.43	156.793	0.40	0.04	-0.40	
19404.00	90.120	160.920	6116.66	13460.82	-12407.70	5315.30	1653067.03	14326564.33	39°27'6.8308"N	80°57'18.6687"W	13498.28	156.810	1.37	-0.96	-0.98	



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION		Well	Fleetwood Unit 1H
Field	Tyler		API	47-095-02730-0000
Facility	Roma Lou Pad		Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05			

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
19429.00	90.120	160.920	6116.53	13485.81	-12431.33	5323.47	1653075.20	14326450.72	39°27'6.5973"N	80°57'18.5647"W	13523.21	156.818	0.00	0.00	0.00	Projected MD at TD: 19429'

HOLE & CASING SECTIONS - Ref Wellbore: Fleetwood Unit 1H AWB Ref Wellpath: Fleetwood Unit 1H AWP Proj: 19429'

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	End N/S [ft]	Start E/W [ft]	End E/W [ft]
20in Conductor	30.00	130.00	100.00	30.00	130.00	0.00	0.00	0.00	0.14
17.5in Open Hole	130.00	410.00	280.00	130.00	409.99	0.54	0.54	0.14	-1.12
13.375in Casing Surface	30.00	390.00	360.00	30.00	389.99	0.00	0.00	0.00	-0.97
12.25in Open Hole	410.00	2612.00	2202.00	409.99	2609.66	1.28	1.28	-1.12	57.94
9.625in Casing Intermediate	30.00	2592.00	2562.00	30.00	2589.66	0.00	0.00	0.00	58.14
8.75in Open Hole	2612.00	6115.00	3503.00	2609.66	5906.20	5.89	5.89	57.94	1001.66
8.5in Open Hole	6115.00	19429.00	13314.00	5906.20	6116.63	106.42	106.42	1001.66	5323.47
5.5in Casing Production	30.00	19429.00	19399.00	30.00	6116.63	0.00	0.00	0.00	5323.47



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

TARGETS	Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
	Fleetwood Unit 1H POE Rev-3	6048.00	-90.82	1094.24	1648847.67	14338786.27	39°29'8.5810"N	80°58'12.4266"W	point
	Fleetwood Unit 1H BHL Rev-2	6092.00	-12490.98	5344.75	1653096.47	14326391.09	39°27'6.0076"N	80°57'18.2938"W	point
	Fleetwood Unit 1H BHL Rev-3	6092.00	-12447.22	5329.75	1653081.48	14326434.84	39°27'6.4402"N	80°57'18.4848"W	point
	Fleetwood Unit 1H LP Rev-3	6092.00	-324.63	1174.39	1648927.78	14338552.55	39°29'6.2699"N	80°58'11.4054"W	point
	Fleetwood Unit 1H 50' L/R Hard Line Rev-3	6500.00	-6269.02	3211.99	1650984.57	14332610.55	39°28'7.5116"N	80°57'45.4491"W	rectangle
									ZD Rectangle 13082.2 x 100.

WELLPATH COMPOSITION - Ref Wellbore: Fleetwood Unit 1H AWB				Ref Wellpath: Fleetwood Unit 1H AWP Proj: 19429'			
Start MD (ft)	End MD (ft)	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date		
30.00	318.00	Gyrodatta 2015 - GC+WMR+DPIPE	01 Gyrodatta MS Gyro <17-1/2> (100'-318')	Fleetwood Unit 1H AWB	12/May/2021		
318.00	2534.00	BH NavITrak (2019) (Axial Corr+HRGM)	02 ABS EM <12-1/4> (318)(416'-2534')	Fleetwood Unit 1H AWB	12/May/2021		
2534.00	6048.00	BH NavITrak (2019) (Axial Corr+HRGM)	03 ABS EM <8-3/4> (2534)(2659'-6048')	Fleetwood Unit 1H AWB	23/May/2021		
6048.00	19429.00	BH AutoTrak Curve/Xpress (2019) (HRGM, Short spacing)	04 BH AT Curve <8-1/2> (6048)(6090'-19404')	Fleetwood Unit 1H AWB	23/May/2021		



Actual Wellpath Report

Fleetwood Unit 1H AWP Proj: 19429'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Fleetwood Unit 1H
Field	Tyler	API	47-095-02730-0000
Facility	Roma Lou Pad	Wellbore	Fleetwood Unit 1H AWB
Slot	Slot #05		

COMMENTS

Wellpath general comments
 API: 47-095-02730-0000
 BH Job #: 110887504
 Rig: H&P 519
 Duration: 5/13/2021-5/30/2021
 Gyrodatta MS Gyro <17'-1/2"> (100'-318')
 APS EM <12'-1/4"> (318')(416'-2534')
 APS EM <8'-3/4"> (2534')(2659'-6048')
 BH AT Curve <8'-1/2"> (6048')(6090'-19404')
 Sycamore: 6033' MD
 Middlesex: 6176' MD
 Burkett: 6327' MD
 Marcellus POE: 6392' MD
 Projected MD at TD: 19429'