ANTERO RESOURCES CORPORATION

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

Well: Ocean Unit 1H
UWI: 47-095-02949-0000
Wellbore: Ocean Unit 1H PWB
Wellpath: Ocean Unit 1H PWP Rev-C.0

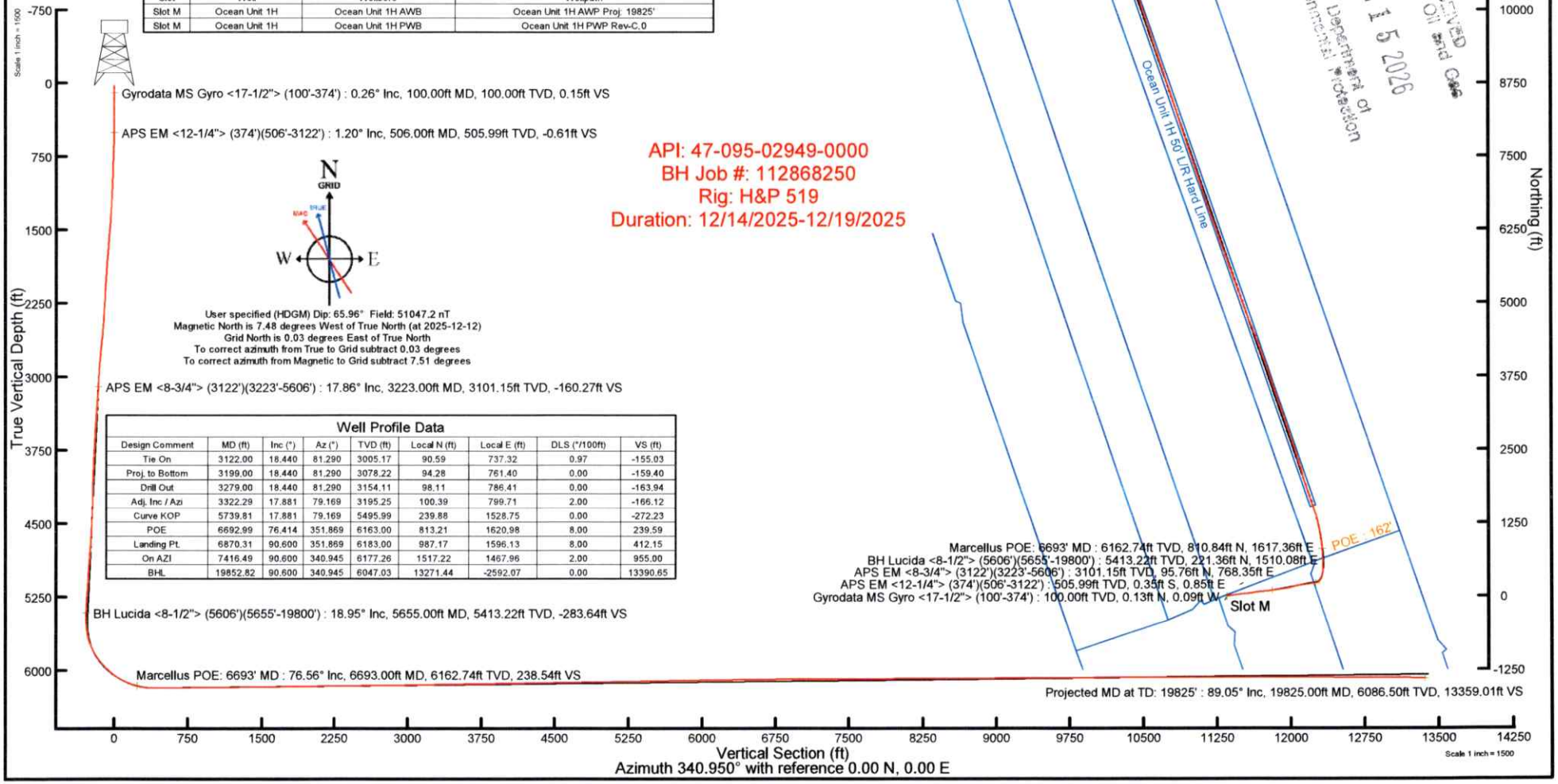
Plot reference wellpath is Ocean Unit 1H PWP Rev-C.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 1066 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot M): -1036 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsanyar on 2025-12-31; Database: WA_MPI_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 M	-206.61	-241.99	1654961.690	14363623.480	39°33'14.1266N	80°56'54.2346W
Comment	Ocean Unit 1H					
H&P 519 (RKB) to Ground level (At Slot: Slot M)					30ft	
Mean Sea Level to Ground level (At Slot: Slot M)					-1036ft	
H&P 519 (RKB) to Mean Sea Level					1066ft	

Well Data

Slot	Well	Wellbore	Wellpath
Slot M	Ocean Unit 1H	Ocean Unit 1H AWB	Ocean Unit 1H AWP Proj: 19825'
Slot M	Ocean Unit 1H	Ocean Unit 1H PWB	Ocean Unit 1H PWP Rev-C.0



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3122.00	18.440	81.290	3005.17	90.59	737.32	0.97	-155.03
Proj. to Bottom	3199.00	18.440	81.290	3078.22	94.28	761.40	0.00	-159.40
Drill Out	3279.00	18.440	81.290	3154.11	98.11	786.41	0.00	-163.94
Adj. Inc / Azi	3322.29	17.881	79.169	3195.25	100.39	799.71	2.00	-166.12
Curve KOP	5739.81	17.881	79.169	5495.99	239.88	1528.75	0.00	-272.23
POE	6692.99	76.414	351.869	6163.00	813.21	1620.98	8.00	239.59
Landing Pt.	6870.31	90.600	351.869	6183.00	987.17	1596.13	8.00	412.15
On AZI	7416.49	90.600	340.945	6177.26	1517.22	1467.96	2.00	955.00
BHL	19852.82	90.600	340.945	6047.03	13271.44	-2592.07	0.00	13390.65

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

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 2025-12-31 at 1:13:27 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	-206.61	-241.99	1654961.69	14363623.48	39°33'14.1266"N	80°56'54.2346"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 M)	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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WELLPATH DATA (217 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	324.710	0.00	0.00	0.00	0.00	1654961.69	14363623.48	39°33'14.1266"N	80°56'54.2346"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	324.710	30.00	0.00	0.00	0.00	1654961.69	14363623.48	39°33'14.1266"N	80°56'54.2346"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.260	324.710	100.00	0.15	0.13	-0.09	1654961.60	14363623.61	39°33'14.1279"N	80°56'54.2357"W	0.16	324.710	0.37	0.37	0.00	Gyrodata MS Gyro <17-1/2"> (100'-374')
200.00	0.030	332.720	200.00	0.40	0.34	-0.23	1654961.46	14363623.82	39°33'14.1299"N	80°56'54.2376"W	0.41	325.218	0.23	-0.23	8.01	
300.00	0.020	35.590	300.00	0.43	0.38	-0.24	1654961.45	14363623.86	39°33'14.1303"N	80°56'54.2376"W	0.44	327.782	0.03	-0.01	62.87	
374.00	0.190	220.410	374.00	0.38	0.29	-0.31	1654961.38	14363623.77	39°33'14.1295"N	80°56'54.2385"W	0.43	313.471	0.28	0.23	-236.73	
506.00	1.200	110.240	505.99	-0.61	-0.35	0.85	1654962.54	14363623.13	39°33'14.1231"N	80°56'54.2238"W	0.92	112.595	0.97	0.77	-83.46	APS EM <12-1/4"> (374')(506'-3122')
595.00	3.540	93.320	594.91	-2.25	-0.83	4.46	1654966.15	14363622.65	39°33'14.1183"N	80°56'54.1776"W	4.54	100.579	2.72	2.63	-19.01	
685.00	5.880	92.070	684.60	-4.96	-1.16	11.85	1654973.53	14363622.32	39°33'14.1150"N	80°56'54.0833"W	11.90	95.599	2.60	2.60	-1.39	
775.00	8.500	82.940	773.89	-8.01	-0.51	23.06	1654984.74	14363622.97	39°33'14.1214"N	80°56'53.9402"W	23.06	91.268	3.17	2.91	-10.14	
865.00	10.930	77.570	862.59	-10.37	2.14	37.99	1654999.67	14363625.62	39°33'14.1475"N	80°56'53.7495"W	38.05	86.770	2.88	2.70	-5.97	
955.00	12.260	80.850	950.75	-13.00	5.50	55.76	1655017.43	14363628.98	39°33'14.1806"N	80°56'53.5227"W	56.03	84.366	1.65	1.48	3.64	
1045.00	14.720	80.770	1038.26	-16.59	8.85	76.48	1655038.14	14363632.33	39°33'14.2136"N	80°56'53.2581"W	76.99	83.396	2.73	2.73	-0.09	
1140.00	16.900	79.640	1129.66	-20.74	13.27	101.98	1655063.63	14363636.75	39°33'14.2572"N	80°56'52.9325"W	102.84	82.584	2.32	2.29	-1.19	
1234.00	18.280	80.840	1219.27	-25.34	18.08	129.98	1655091.62	14363641.55	39°33'14.3045"N	80°56'52.5750"W	131.23	82.082	1.52	1.47	1.28	
1329.00	18.250	80.030	1309.48	-30.24	23.03	159.34	1655120.96	14363646.50	39°33'14.3532"N	80°56'52.2002"W	160.99	81.777	0.27	-0.03	-0.85	
1423.00	18.850	84.470	1398.60	-36.12	27.04	188.95	1655150.57	14363650.51	39°33'14.3927"N	80°56'51.8221"W	190.88	81.857	1.63	0.64	4.72	
1518.00	19.530	84.690	1488.32	-43.48	29.99	220.04	1655181.64	14363653.45	39°33'14.4217"N	80°56'51.4252"W	222.07	82.240	0.72	0.72	0.23	
1612.00	18.870	81.610	1577.09	-50.02	33.66	250.72	1655212.31	14363657.12	39°33'14.4578"N	80°56'51.0334"W	252.97	82.354	1.29	-0.70	-3.28	
1707.00	18.500	84.330	1667.09	-56.35	37.39	280.92	1655242.50	14363660.85	39°33'14.4945"N	80°56'50.6479"W	283.40	82.419	1.00	-0.39	2.86	
1801.00	18.950	85.180	1756.11	-63.55	40.14	310.97	1655272.53	14363663.61	39°33'14.5216"N	80°56'50.2642"W	313.55	82.644	0.56	0.48	0.90	
1896.00	18.250	83.830	1846.15	-70.66	43.04	341.13	1655302.68	14363666.50	39°33'14.5500"N	80°56'49.8792"W	343.83	82.809	0.87	-0.74	-1.42	
1990.00	18.000	82.200	1935.49	-76.77	46.59	370.15	1655331.69	14363670.05	39°33'14.5849"N	80°56'49.5086"W	373.07	82.826	0.60	-0.27	-1.73	
2085.00	18.150	82.220	2025.80	-82.53	50.59	399.36	1655360.88	14363674.05	39°33'14.6243"N	80°56'49.1358"W	402.55	82.781	0.16	0.16	0.02	
2179.00	18.000	81.330	2115.16	-88.01	54.76	428.22	1655389.74	14363678.22	39°33'14.6653"N	80°56'48.7672"W	431.71	82.713	0.33	-0.16	-0.95	
2272.00	17.810	78.770	2203.66	-92.53	59.70	456.37	1655417.88	14363683.15	39°33'14.7139"N	80°56'48.4077"W	460.26	82.548	0.87	-0.20	-2.75	
2368.00	18.850	81.250	2294.79	-97.30	64.91	486.10	1655447.60	14363688.37	39°33'14.7653"N	80°56'48.0282"W	490.42	82.394	1.35	1.08	2.58	
2463.00	19.860	84.030	2384.42	-103.70	68.93	517.32	1655478.81	14363692.38	39°33'14.8048"N	80°56'47.6296"W	521.90	82.411	1.44	1.06	2.93	
2557.00	19.340	81.500	2472.97	-110.16	72.89	548.60	1655510.07	14363696.34	39°33'14.8438"N	80°56'47.2303"W	553.42	82.432	1.06	-0.55	-2.69	
2652.00	20.410	84.330	2562.32	-116.88	76.85	580.64	1655542.10	14363700.30	39°33'14.8827"N	80°56'46.8211"W	585.71	82.460	1.51	1.13	2.98	

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Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
2746.00	20.090	87.860	2650.51	-125.37	79.07	613.09	1655574.53	14363702.52	39°33'14.9045"N	80°56'46.4069"W	618.17	82.651	1.34	-0.34	3.76	
2841.00	19.860	85.590	2739.80	-134.19	80.92	645.48	1655606.91	14363704.37	39°33'14.9226"N	80°56'45.9933"W	650.53	82.854	0.85	-0.24	-2.39	
2936.00	19.510	84.710	2829.24	-142.04	83.63	677.37	1655638.78	14363707.07	39°33'14.9491"N	80°56'45.5862"W	682.51	82.962	0.48	-0.37	-0.93	
3030.00	18.900	83.690	2918.01	-149.13	86.75	708.13	1655669.53	14363710.19	39°33'14.9798"N	80°56'45.1935"W	713.42	83.016	0.74	-0.65	-1.09	
3122.00	18.440	81.290	3005.17	-155.03	90.59	737.32	1655698.72	14363714.03	39°33'15.0176"N	80°56'44.8208"W	742.87	82.996	0.97	-0.50	-2.61	
3223.00	17.860	79.750	3101.15	-160.27	95.76	768.35	1655729.73	14363719.20	39°33'15.0685"N	80°56'44.4246"W	774.30	82.896	0.75	-0.57	-1.52	APS EM <8-3/4"> (3122')(3223'-5606')
3317.00	18.000	83.830	3190.59	-165.71	99.89	796.98	1655758.35	14363723.33	39°33'15.1092"N	80°56'44.0591"W	803.21	82.856	1.34	0.15	4.34	
3412.00	18.020	83.190	3280.93	-172.10	103.21	826.16	1655787.52	14363726.65	39°33'15.1418"N	80°56'43.6865"W	832.58	82.879	0.21	0.02	-0.67	
3506.00	17.390	80.250	3370.48	-177.45	107.31	854.44	1655815.79	14363730.75	39°33'15.1822"N	80°56'43.3254"W	861.16	82.842	1.16	-0.67	-3.13	
3601.00	18.870	83.240	3460.76	-183.01	111.52	883.69	1655845.03	14363734.96	39°33'15.2236"N	80°56'42.9519"W	890.70	82.807	1.84	1.56	3.15	
3696.00	19.300	81.500	3550.54	-189.16	115.65	914.48	1655875.80	14363739.09	39°33'15.2643"N	80°56'42.5589"W	921.76	82.792	0.75	0.45	-1.83	
3790.00	18.510	76.830	3639.48	-193.53	121.35	944.37	1655905.68	14363744.78	39°33'15.3204"N	80°56'42.1772"W	952.14	82.678	1.82	-0.84	-4.97	
3885.00	18.610	80.540	3729.54	-197.60	127.28	974.01	1655935.31	14363750.71	39°33'15.3788"N	80°56'41.7988"W	982.29	82.555	1.25	0.11	3.91	
3979.00	18.410	81.390	3818.67	-202.79	131.96	1003.48	1655964.76	14363755.39	39°33'15.4249"N	80°56'41.4225"W	1012.12	82.508	0.36	-0.21	0.90	
4074.00	17.530	75.850	3909.05	-206.73	137.71	1032.19	1655993.46	14363761.13	39°33'15.4815"N	80°56'41.0560"W	1041.33	82.401	2.02	-0.93	-5.83	
4168.00	17.690	78.720	3998.64	-209.87	143.96	1059.92	1656021.18	14363767.39	39°33'15.5432"N	80°56'40.7018"W	1069.65	82.265	0.94	0.17	3.05	
4263.00	17.500	77.680	4089.20	-213.50	149.83	1088.03	1656049.28	14363773.25	39°33'15.6010"N	80°56'40.3429"W	1098.30	82.159	0.39	-0.20	-1.09	
4358.00	15.610	72.020	4180.26	-215.41	156.83	1114.15	1656075.39	14363780.25	39°33'15.6700"N	80°56'40.0095"W	1125.13	81.988	2.61	-1.99	-5.96	
4452.00	15.860	71.810	4270.74	-215.84	164.74	1138.38	1656099.61	14363788.16	39°33'15.7481"N	80°56'39.7000"W	1150.24	81.766	0.27	0.27	-0.22	
4547.00	18.210	80.360	4361.58	-218.46	171.28	1165.35	1656126.57	14363794.69	39°33'15.8125"N	80°56'39.3556"W	1177.87	81.639	3.61	2.47	9.00	
4642.00	18.150	79.620	4451.84	-223.12	176.43	1194.54	1656155.75	14363799.84	39°33'15.8633"N	80°56'38.9829"W	1207.50	81.598	0.25	-0.06	-0.78	
4736.00	17.990	80.920	4541.20	-227.84	181.36	1223.28	1656184.47	14363804.77	39°33'15.9118"N	80°56'38.6160"W	1236.65	81.567	0.46	-0.17	1.38	
4831.00	17.120	81.450	4631.78	-232.93	185.76	1251.59	1656212.78	14363809.16	39°33'15.9551"N	80°56'38.2545"W	1265.30	81.558	0.93	-0.92	0.56	
4925.00	17.250	80.830	4721.58	-237.84	190.03	1279.03	1656240.21	14363813.44	39°33'15.9972"N	80°56'37.9041"W	1293.07	81.549	0.24	0.14	-0.66	
5020.00	20.270	84.680	4811.53	-244.16	193.81	1309.33	1656270.49	14363817.21	39°33'16.0343"N	80°56'37.5173"W	1323.60	81.580	3.43	3.18	4.05	
5114.00	19.740	84.720	4899.85	-251.81	196.78	1341.35	1656302.50	14363820.18	39°33'16.0634"N	80°56'37.1085"W	1355.71	81.654	0.56	-0.56	0.04	
5209.00	17.900	79.510	4989.78	-257.80	200.91	1371.69	1656332.83	14363824.31	39°33'16.1041"N	80°56'36.7212"W	1386.32	81.667	2.62	-1.94	-5.48	
5304.00	17.180	79.350	5080.36	-262.02	206.16	1399.83	1656360.96	14363829.56	39°33'16.1558"N	80°56'36.3618"W	1414.93	81.622	0.76	-0.76	-0.17	
5398.00	18.070	83.750	5169.95	-267.28	210.32	1427.97	1656389.08	14363833.71	39°33'16.1967"N	80°56'36.0026"W	1443.37	81.622	1.70	0.95	4.68	
5492.00	18.790	82.850	5259.13	-273.63	213.79	1457.48	1656418.59	14363837.18	39°33'16.2308"N	80°56'35.6257"W	1473.08	81.655	0.82	0.77	-0.96	

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Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

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5587.00	18.880	82.250	5349.04	-279.80	217.76	1487.89	1656448.98	14363841.16	39°33'16.2699"N	80°56'35.2375"W	1503.74	81.673	0.22	0.09	-0.63	
5606.00	19.690	82.050	5366.98	-281.02	218.62	1494.11	1656455.20	14363842.01	39°33'16.2784"N	80°56'35.1581"W	1510.02	81.675	4.28	4.26	-1.05	
5655.00	18.950	78.430	5413.22	-283.64	221.36	1510.08	1656471.16	14363844.75	39°33'16.3053"N	80°56'34.9542"W	1526.22	81.661	2.87	-1.51	-7.39	BH Lucida <8-1/2"> (5606')(5655'-19800')
5710.00	18.650	73.220	5465.29	-285.15	225.69	1527.25	1656488.32	14363849.08	39°33'16.3480"N	80°56'34.7349"W	1543.83	81.594	3.10	-0.55	-9.47	
5805.00	18.790	54.610	5555.34	-281.45	238.95	1554.29	1656515.35	14363862.33	39°33'16.4789"N	80°56'34.3896"W	1572.55	81.260	6.26	0.15	-19.59	
5899.00	22.740	39.920	5643.28	-267.81	261.67	1578.31	1656539.37	14363885.05	39°33'16.7033"N	80°56'34.0827"W	1599.86	80.586	6.92	4.20	-15.63	
5994.00	26.270	22.990	5729.82	-242.69	295.16	1598.34	1656559.39	14363918.52	39°33'17.0342"N	80°56'33.8268"W	1625.36	79.537	8.24	3.72	-17.82	
6089.00	32.110	12.630	5812.77	-205.54	339.22	1612.09	1656573.13	14363962.56	39°33'17.4695"N	80°56'33.6508"W	1647.40	78.117	8.11	6.15	-10.91	
6183.00	39.600	12.670	5888.90	-158.72	392.90	1624.14	1656585.18	14364016.22	39°33'18.0000"N	80°56'33.4966"W	1670.99	76.401	7.97	7.97	0.04	
6278.00	45.090	4.740	5959.14	-102.10	456.06	1633.58	1656594.61	14364079.36	39°33'18.6242"N	80°56'33.3756"W	1696.05	74.401	8.05	5.78	-8.35	
6284.00†	45.463	4.303	5963.36	-98.20	460.31	1633.91	1656594.95	14364083.61	39°33'18.6662"N	80°56'33.3713"W	1697.52	74.266	8.09	6.22	-7.28	Sycamore: 6284' MD
6372.00	51.110	358.480	6021.92	-36.67	525.91	1635.36	1656596.39	14364149.18	39°33'19.3145"N	80°56'33.3523"W	1717.84	72.173	8.09	6.42	-6.62	
6436.00†	56.050	356.789	6059.91	12.65	577.34	1633.21	1656594.25	14364200.59	39°33'19.8228"N	80°56'33.3793"W	1732.25	70.531	8.01	7.72	-2.64	Middlesex: 6436' MD
6467.00	58.450	356.040	6076.68	37.78	603.36	1631.58	1656592.61	14364226.60	39°33'20.0800"N	80°56'33.3999"W	1739.57	69.706	8.01	7.74	-2.42	
6561.00	66.070	356.200	6120.40	118.02	686.31	1625.96	1656586.99	14364309.51	39°33'20.8998"N	80°56'33.4710"W	1764.87	67.116	8.11	8.11	0.17	
6609.00†	69.834	356.216	6138.41	160.93	730.69	1623.02	1656584.05	14364353.88	39°33'21.3385"N	80°56'33.5082"W	1779.91	65.762	7.84	7.84	0.03	Burkett: 6609' MD
6656.00	73.520	356.230	6153.19	203.97	775.20	1620.08	1656581.12	14364398.37	39°33'21.7784"N	80°56'33.5454"W	1795.99	64.429	7.84	7.84	0.03	
6693.00†	76.559	355.071	6162.74	238.54	810.84	1617.36	1656578.40	14364433.99	39°33'22.1306"N	80°56'33.5797"W	1809.23	63.374	8.75	8.21	-3.13	Marcellus POE: 6693' MD
6750.00	81.250	353.340	6173.71	292.97	866.47	1611.71	1656572.75	14364489.60	39°33'22.6805"N	80°56'33.6514"W	1829.86	61.737	8.75	8.23	-3.04	
6845.00	88.400	350.470	6182.27	385.79	960.07	1598.39	1656559.43	14364583.16	39°33'23.6056"N	80°56'33.8208"W	1864.56	59.009	8.10	7.53	-3.02	
6940.00	90.620	351.170	6183.08	479.37	1053.84	1583.23	1656544.29	14364676.90	39°33'24.5325"N	80°56'34.0135"W	1901.89	56.351	2.45	2.34	0.74	
7034.00	90.650	349.220	6182.04	572.14	1146.46	1567.23	1656528.29	14364769.48	39°33'25.4480"N	80°56'34.2171"W	1941.79	53.814	2.07	0.03	-2.07	
7129.00	90.620	347.740	6180.99	666.31	1239.54	1548.25	1656509.32	14364862.52	39°33'26.3680"N	80°56'34.4586"W	1983.32	51.319	1.56	-0.03	-1.56	
7224.00	90.580	344.600	6179.99	760.90	1331.77	1525.55	1656486.63	14364954.71	39°33'27.2797"N	80°56'34.7477"W	2025.07	48.880	3.31	-0.04	-3.31	
7318.00	90.550	342.430	6179.07	854.80	1421.89	1498.88	1656459.97	14365044.80	39°33'28.1706"N	80°56'35.0875"W	2066.01	46.510	2.31	-0.03	-2.31	
7413.00	90.490	339.870	6178.20	949.78	1511.79	1468.19	1656429.29	14365134.66	39°33'29.0592"N	80°56'35.4786"W	2107.39	44.162	2.70	-0.06	-2.69	
7508.00	90.580	339.880	6177.32	1044.76	1600.98	1435.50	1656396.62	14365223.82	39°33'29.9410"N	80°56'35.8952"W	2150.31	41.881	0.10	0.09	0.01	
7602.00	90.520	340.820	6176.41	1138.75	1689.50	1403.90	1656365.02	14365312.30	39°33'30.8160"N	80°56'36.2980"W	2196.67	39.725	1.00	-0.06	1.00	
7697.00	90.680	341.280	6175.42	1233.75	1779.35	1373.05	1656334.19	14365402.11	39°33'31.7042"N	80°56'36.6911"W	2247.52	37.656	0.51	0.17	0.48	
7791.00	90.710	341.190	6174.28	1327.74	1868.35	1342.81	1656303.96	14365491.07	39°33'32.5840"N	80°56'37.0765"W	2300.84	35.705	0.10	0.03	-0.10	

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
7886.00	90.680	343.620	6173.13	1422.69	1958.89	1314.10	1656275.26	14365581.58	39°33'33.4790"N	80°56'37.4423"W	2358.83	33.855	2.56	-0.03	2.56	
7981.00	90.680	345.740	6172.00	1517.48	2050.50	1289.00	1656250.17	14365673.16	39°33'34.3846"N	80°56'37.7620"W	2422.00	32.155	2.23	0.00	2.23	
8075.00	90.680	343.950	6170.88	1611.25	2141.22	1264.43	1656225.61	14365763.84	39°33'35.2813"N	80°56'38.0750"W	2486.69	30.563	1.90	0.00	-1.90	
8170.00	90.770	342.220	6169.68	1706.18	2232.10	1236.79	1656197.98	14365854.68	39°33'36.1797"N	80°56'38.4272"W	2551.85	28.991	1.82	0.09	-1.82	
8265.00	90.800	342.340	6168.38	1801.14	2322.58	1207.88	1656169.08	14365945.13	39°33'37.0741"N	80°56'38.7956"W	2617.89	27.477	0.13	0.03	0.13	
8359.00	90.830	342.160	6167.04	1895.11	2412.10	1179.23	1656140.44	14366034.61	39°33'37.9590"N	80°56'39.1607"W	2684.92	26.053	0.19	0.03	-0.19	
8454.00	90.770	343.120	6165.72	1990.06	2502.76	1150.88	1656112.11	14366125.24	39°33'38.8552"N	80°56'39.5219"W	2754.70	24.695	1.01	-0.06	1.01	
8548.00	90.460	339.180	6164.71	2084.03	2591.70	1120.52	1656081.76	14366214.14	39°33'39.7344"N	80°56'39.9089"W	2823.56	23.381	4.20	-0.33	-4.19	
8643.00	90.800	342.410	6163.66	2179.01	2681.39	1089.28	1656050.53	14366303.80	39°33'40.6211"N	80°56'40.3071"W	2894.20	22.109	3.42	0.36	3.40	
8738.00	90.490	340.570	6162.59	2274.00	2771.47	1059.12	1656020.38	14366393.84	39°33'41.5115"N	80°56'40.6914"W	2966.95	20.914	1.96	-0.33	-1.94	
8832.00	90.770	341.490	6161.56	2367.99	2860.36	1028.56	1655989.84	14366482.69	39°33'42.3902"N	80°56'41.0808"W	3039.67	19.778	1.02	0.30	0.98	
8927.00	90.520	341.300	6160.49	2462.98	2950.39	998.26	1655959.55	14366572.68	39°33'43.2802"N	80°56'41.4671"W	3114.69	18.693	0.33	-0.26	-0.20	
9021.00	90.460	340.910	6159.69	2556.98	3039.32	967.82	1655929.12	14366661.58	39°33'44.1593"N	80°56'41.8551"W	3189.69	17.663	0.42	-0.06	-0.41	
9116.00	90.550	341.220	6158.85	2651.98	3129.18	936.99	1655898.31	14366751.40	39°33'45.0475"N	80°56'42.2479"W	3266.45	16.670	0.34	0.09	0.33	
9211.00	90.580	341.170	6157.91	2746.97	3219.10	906.37	1655867.70	14366841.29	39°33'45.9365"N	80°56'42.6382"W	3344.27	15.725	0.06	0.03	-0.05	
9305.00	90.620	341.280	6156.93	2840.96	3308.09	876.12	1655837.46	14366930.24	39°33'46.8162"N	80°56'43.0238"W	3422.14	14.834	0.12	0.04	0.12	
9400.00	90.990	341.240	6155.59	2935.95	3398.05	845.60	1655806.95	14367020.16	39°33'47.7054"N	80°56'43.4128"W	3501.68	13.974	0.39	0.39	-0.04	
9494.00	90.980	341.340	6153.98	3029.94	3487.07	815.45	1655776.81	14367109.15	39°33'48.5854"N	80°56'43.7970"W	3581.14	13.162	0.11	-0.01	0.11	
9589.00	90.980	341.000	6152.35	3124.92	3576.97	784.79	1655746.17	14367199.01	39°33'49.4741"N	80°56'44.1878"W	3662.05	12.375	0.36	0.00	-0.36	
9683.00	90.950	341.380	6150.77	3218.91	3665.94	754.49	1655715.88	14367287.94	39°33'50.3536"N	80°56'44.5740"W	3742.77	11.630	0.41	-0.03	0.40	
9778.00	91.020	341.180	6149.14	3313.89	3755.90	724.00	1655685.40	14367377.87	39°33'51.2429"N	80°56'44.9626"W	3825.04	10.911	0.22	0.07	-0.21	
9872.00	90.920	339.860	6147.54	3407.87	3844.50	692.66	1655654.07	14367466.44	39°33'52.1187"N	80°56'45.3621"W	3906.40	10.213	1.41	-0.11	-1.40	
9967.00	90.860	339.720	6146.07	3502.84	3933.64	659.85	1655621.27	14367555.54	39°33'52.9999"N	80°56'45.7804"W	3988.60	9.522	0.16	-0.06	-0.15	
10062.00	90.890	340.280	6144.62	3597.82	4022.90	627.36	1655588.80	14367644.77	39°33'53.8823"N	80°56'46.1946"W	4071.53	8.864	0.59	0.03	0.59	
10156.00	90.890	339.520	6143.16	3691.79	4111.17	595.06	1655556.51	14367732.99	39°33'54.7548"N	80°56'46.6063"W	4154.01	8.236	0.81	0.00	-0.81	
10346.00	91.050	340.430	6139.94	3881.73	4289.65	530.01	1655491.49	14367911.41	39°33'56.5192"N	80°56'47.4356"W	4322.27	7.043	0.49	0.08	0.48	
10440.00	90.950	340.210	6138.30	3975.71	4378.15	498.36	1655459.85	14367999.87	39°33'57.3940"N	80°56'47.8391"W	4406.42	6.494	0.26	-0.11	-0.23	
10535.00	90.830	339.420	6136.82	4070.68	4467.30	465.58	1655427.08	14368088.99	39°33'58.2754"N	80°56'48.2569"W	4491.50	5.950	0.84	-0.13	-0.83	
10629.00	90.890	336.970	6135.41	4164.56	4554.56	430.67	1655392.19	14368176.21	39°33'59.1380"N	80°56'48.7020"W	4574.88	5.402	2.61	0.06	-2.61	
10724.00	91.020	336.230	6133.83	4259.27	4641.73	392.95	1655354.48	14368263.35	39°34'0.0000"N	80°56'49.1830"W	4658.34	4.839	0.79	0.14	-0.78	

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

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Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
10819.00	91.140	342.060	6132.04	4354.16	4730.46	359.15	1655320.69	14368352.03	39°34'0.8768"N	80°56'49.6139"W	4744.07	4.342	6.14	0.13	6.14	
10913.00	90.830	340.000	6130.42	4448.14	4819.33	328.60	1655290.16	14368440.88	39°34'1.7554"N	80°56'50.0034"W	4830.52	3.901	2.22	-0.33	-2.19	
11008.00	90.990	339.990	6128.91	4543.12	4908.59	296.10	1655257.67	14368530.10	39°34'2.6377"N	80°56'50.4177"W	4917.51	3.452	0.17	0.17	-0.01	
11103.00	91.140	340.690	6127.15	4638.10	4998.03	264.15	1655225.73	14368619.51	39°34'3.5219"N	80°56'50.8250"W	5005.01	3.025	0.75	0.16	0.74	
11198.00	90.920	340.370	6125.44	4733.08	5087.59	232.49	1655194.08	14368709.02	39°34'4.4072"N	80°56'51.2286"W	5092.90	2.616	0.41	-0.23	-0.34	
11292.00	90.950	340.170	6123.91	4827.06	5176.06	200.76	1655162.37	14368797.46	39°34'5.2817"N	80°56'51.6331"W	5179.95	2.221	0.22	0.03	-0.21	
11387.00	90.920	340.220	6122.36	4922.04	5265.43	168.57	1655130.20	14368886.79	39°34'6.1652"N	80°56'52.0434"W	5268.12	1.834	0.06	-0.03	0.05	
11481.00	90.990	340.370	6120.79	5016.02	5353.91	136.88	1655098.52	14368975.24	39°34'7.0398"N	80°56'52.4474"W	5355.66	1.465	0.18	0.07	0.16	
11576.00	90.830	340.070	6119.28	5111.00	5443.29	104.74	1655066.39	14369064.59	39°34'7.9234"N	80°56'52.8572"W	5444.30	1.102	0.36	-0.17	-0.32	
11671.00	91.020	340.150	6117.75	5205.98	5532.61	72.42	1655034.08	14369153.87	39°34'8.8064"N	80°56'53.2692"W	5533.09	0.750	0.22	0.20	0.08	
11765.00	90.890	340.220	6116.18	5299.96	5621.04	40.56	1655002.24	14369242.26	39°34'9.6805"N	80°56'53.6754"W	5621.18	0.413	0.16	-0.14	0.07	
11860.00	91.140	340.300	6114.50	5394.93	5710.44	8.48	1654970.17	14369331.63	39°34'10.5642"N	80°56'54.0844"W	5710.45	0.085	0.28	0.26	0.08	
11954.00	90.950	340.120	6112.78	5488.91	5798.87	-23.34	1654938.36	14369420.02	39°34'11.4384"N	80°56'54.4901"W	5798.92	359.769	0.28	-0.20	-0.19	
12049.00	90.950	340.180	6111.21	5583.89	5888.22	-55.59	1654906.12	14369509.33	39°34'12.3216"N	80°56'54.9013"W	5888.48	359.459	0.06	0.00	0.06	
12144.00	90.800	340.300	6109.76	5678.87	5977.61	-87.71	1654874.02	14369598.69	39°34'13.2053"N	80°56'55.3108"W	5978.26	359.159	0.20	-0.16	0.13	
12238.00	91.080	340.700	6108.21	5772.85	6066.21	-119.08	1654842.66	14369687.25	39°34'14.0811"N	80°56'55.7107"W	6067.38	358.875	0.52	0.30	0.43	
12333.00	90.920	340.120	6106.56	5867.83	6155.70	-150.93	1654810.82	14369776.70	39°34'14.9657"N	80°56'56.1168"W	6157.55	358.595	0.63	-0.17	-0.61	
12428.00	90.860	340.530	6105.08	5962.82	6245.14	-182.91	1654778.85	14369866.11	39°34'15.8499"N	80°56'56.5245"W	6247.82	358.322	0.44	-0.06	0.43	
12522.00	90.860	340.810	6103.67	6056.81	6333.83	-214.02	1654747.76	14369954.76	39°34'16.7266"N	80°56'56.9212"W	6337.44	358.065	0.30	0.00	0.30	
12617.00	90.890	340.420	6102.22	6151.79	6423.43	-245.55	1654716.24	14370044.33	39°34'17.6123"N	80°56'57.3231"W	6428.12	357.811	0.41	0.03	-0.41	
12711.00	90.860	339.930	6100.78	6245.77	6511.85	-277.42	1654684.38	14370132.71	39°34'18.4864"N	80°56'57.7295"W	6517.76	357.561	0.52	-0.03	-0.52	
12806.00	90.830	340.200	6099.38	6340.75	6601.15	-309.81	1654652.00	14370221.98	39°34'19.3691"N	80°56'58.1425"W	6608.41	357.313	0.29	-0.03	0.28	
12901.00	90.800	341.010	6098.03	6435.74	6690.75	-341.36	1654620.47	14370311.54	39°34'20.2548"N	80°56'58.5447"W	6699.45	357.079	0.85	-0.03	0.85	
12995.00	90.650	341.330	6096.84	6529.73	6779.71	-371.69	1654590.15	14370400.47	39°34'21.1342"N	80°56'58.9314"W	6789.89	356.862	0.38	-0.16	0.34	
13090.00	90.430	341.130	6095.95	6624.73	6869.65	-402.26	1654559.59	14370490.37	39°34'22.0233"N	80°56'59.3211"W	6881.42	356.649	0.31	-0.23	-0.21	
13185.00	90.590	344.190	6095.10	6719.67	6960.32	-430.57	1654531.29	14370581.01	39°34'22.9196"N	80°56'59.6820"W	6973.63	356.460	3.23	0.17	3.22	
13279.00	90.120	341.280	6094.52	6813.61	7050.07	-458.46	1654503.41	14370670.72	39°34'23.8068"N	80°57'0.0376"W	7064.97	356.279	3.14	-0.50	-3.10	
13374.00	90.370	341.710	6094.11	6908.60	7140.16	-488.62	1654473.27	14370760.77	39°34'24.6973"N	80°57'0.4220"W	7156.86	356.085	0.52	0.26	0.45	
13468.00	90.280	341.420	6093.58	7002.60	7229.34	-518.34	1654443.56	14370849.91	39°34'25.5788"N	80°57'0.8009"W	7247.89	355.899	0.32	-0.10	-0.31	
13563.00	90.340	341.770	6093.07	7097.59	7319.48	-548.33	1654413.58	14370940.01	39°34'26.4698"N	80°57'1.1833"W	7339.99	355.716	0.37	0.06	0.37	

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
13657.00	90.180	341.430	6092.64	7191.58	7408.67	-578.00	1654383.92	14371029.17	39°34'27.3515"N	80°57'1.5616"W	7431.18	355.539	0.40	-0.17	-0.36	
13752.00	90.220	341.180	6092.31	7286.58	7498.66	-608.45	1654353.48	14371119.12	39°34'28.2410"N	80°57'1.9498"W	7523.30	355.361	0.27	0.04	-0.26	
13847.00	90.280	341.350	6091.89	7381.58	7588.62	-638.97	1654322.98	14371209.05	39°34'29.1303"N	80°57'2.3389"W	7615.47	355.187	0.19	0.06	0.18	
13941.00	90.310	341.560	6091.41	7475.57	7677.74	-668.86	1654293.09	14371298.13	39°34'30.0113"N	80°57'2.7200"W	7706.82	355.021	0.23	0.03	0.22	
14036.00	90.280	341.360	6090.92	7570.57	7767.81	-699.07	1654262.90	14371388.17	39°34'30.9016"N	80°57'3.1052"W	7799.20	354.857	0.21	-0.03	-0.21	
14130.00	90.060	341.600	6090.64	7664.56	7856.94	-728.93	1654233.05	14371477.26	39°34'31.7827"N	80°57'3.4858"W	7890.68	354.700	0.35	-0.23	0.26	
14225.00	89.970	341.580	6090.62	7759.56	7947.08	-758.93	1654203.06	14371567.36	39°34'32.6737"N	80°57'3.8684"W	7983.23	354.545	0.10	-0.09	-0.02	
14319.00	90.280	341.560	6090.41	7853.55	8036.25	-788.65	1654173.36	14371656.51	39°34'33.5552"N	80°57'4.2472"W	8074.86	354.395	0.33	0.33	-0.02	
14414.00	90.340	341.770	6089.90	7948.54	8126.43	-818.53	1654143.49	14371746.65	39°34'34.4466"N	80°57'4.6283"W	8167.55	354.248	0.23	0.06	0.22	
14509.00	90.280	341.450	6089.38	8043.53	8216.58	-848.50	1654113.53	14371836.76	39°34'35.3377"N	80°57'5.0104"W	8260.27	354.104	0.34	-0.06	-0.34	
14603.00	90.250	341.550	6088.95	8137.53	8305.72	-878.33	1654083.71	14371925.86	39°34'36.2189"N	80°57'5.3907"W	8352.03	353.963	0.11	-0.03	0.11	
14698.00	90.310	341.930	6088.48	8232.52	8395.93	-908.09	1654053.96	14372016.04	39°34'37.1106"N	80°57'5.7702"W	8444.90	353.827	0.40	0.06	0.40	
14792.00	90.280	341.920	6088.00	8326.50	8485.29	-937.26	1654024.81	14372105.37	39°34'37.9940"N	80°57'6.1420"W	8536.90	353.697	0.03	-0.03	-0.01	
14887.00	90.250	341.440	6087.56	8421.50	8575.48	-967.12	1653994.96	14372195.51	39°34'38.8854"N	80°57'6.5228"W	8629.84	353.566	0.51	-0.03	-0.51	
14981.00	90.250	341.800	6087.15	8515.49	8664.68	-996.76	1653965.33	14372284.68	39°34'39.7672"N	80°57'6.9007"W	8721.83	353.438	0.38	0.00	0.38	
15076.00	90.280	341.450	6086.71	8610.48	8754.84	-1026.71	1653935.40	14372374.80	39°34'40.6584"N	80°57'7.2825"W	8814.83	353.311	0.37	0.03	-0.37	
15171.00	90.340	341.760	6086.20	8705.47	8844.98	-1056.68	1653905.43	14372464.91	39°34'41.5495"N	80°57'7.6647"W	8907.88	353.187	0.33	0.06	0.33	
15265.00	90.310	341.450	6085.66	8799.46	8934.18	-1086.35	1653875.78	14372554.07	39°34'42.4312"N	80°57'8.0430"W	8999.98	353.067	0.33	-0.03	-0.33	
15360.00	90.250	341.580	6085.20	8894.46	9024.27	-1116.47	1653845.67	14372644.13	39°34'43.3218"N	80°57'8.4270"W	9093.08	352.947	0.15	-0.06	0.14	
15454.00	90.220	341.740	6084.81	8988.45	9113.50	-1146.04	1653816.11	14372733.32	39°34'44.2038"N	80°57'8.8042"W	9185.28	352.833	0.17	-0.03	0.17	
15549.00	90.340	341.510	6084.35	9083.44	9203.65	-1175.99	1653786.17	14372823.44	39°34'45.0949"N	80°57'9.1860"W	9278.48	352.719	0.27	0.13	-0.24	
15643.00	90.310	341.650	6083.82	9177.44	9292.84	-1205.69	1653756.48	14372912.58	39°34'45.9765"N	80°57'9.5647"W	9370.73	352.607	0.15	-0.03	0.15	
15738.00	90.310	341.540	6083.30	9272.43	9382.98	-1235.69	1653726.50	14373002.69	39°34'46.8675"N	80°57'9.9472"W	9463.99	352.498	0.12	0.00	-0.12	
15832.00	90.220	341.920	6082.87	9366.42	9472.24	-1265.15	1653697.04	14373091.91	39°34'47.7499"N	80°57'10.3229"W	9556.35	352.392	0.42	-0.10	0.40	
15927.00	90.220	341.840	6082.50	9461.41	9562.52	-1294.70	1653667.51	14373182.16	39°34'48.6423"N	80°57'10.6997"W	9649.77	352.289	0.08	0.00	-0.08	
16021.00	90.430	341.640	6081.97	9555.39	9651.79	-1324.15	1653638.07	14373271.39	39°34'49.5247"N	80°57'11.0752"W	9742.20	352.188	0.31	0.22	-0.21	
16117.00	90.180	341.930	6081.46	9651.38	9742.98	-1354.16	1653608.07	14373362.54	39°34'50.4261"N	80°57'11.4579"W	9836.63	352.087	0.40	-0.26	0.30	
16211.00	90.280	341.650	6081.08	9745.37	9832.27	-1383.54	1653578.71	14373451.80	39°34'51.3087"N	80°57'11.8324"W	9929.13	351.990	0.32	0.11	-0.30	
16306.00	90.280	341.710	6080.62	9840.36	9922.45	-1413.40	1653548.86	14373541.95	39°34'52.2002"N	80°57'12.2132"W	10022.61	351.893	0.06	0.00	0.06	
16402.00	90.280	341.750	6080.15	9936.35	10013.61	-1443.49	1653518.78	14373633.07	39°34'53.1013"N	80°57'12.5970"W	10117.12	351.797	0.04	0.00	0.04	

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Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
16497.00	90.280	341.980	6079.68	10031.34	10103.89	-1473.06	1653489.22	14373723.31	39°34'53.9937"N	80°57'12.9740"W	10210.71	351.705	0.24	0.00	0.24	
16592.00	90.280	341.650	6079.22	10126.33	10194.15	-1502.71	1653459.59	14373813.53	39°34'54.8859"N	80°57'13.3521"W	10304.31	351.614	0.35	0.00	-0.35	
16686.00	90.150	341.550	6078.87	10220.32	10283.34	-1532.38	1653429.93	14373902.69	39°34'55.7675"N	80°57'13.7304"W	10396.89	351.524	0.17	-0.14	-0.11	
16780.00	90.280	340.430	6078.51	10314.32	10372.21	-1563.00	1653399.32	14373991.52	39°34'56.6460"N	80°57'14.1209"W	10489.31	351.431	1.20	0.14	-1.19	
16875.00	90.280	340.480	6078.05	10409.31	10461.74	-1594.78	1653367.55	14374081.01	39°34'57.5310"N	80°57'14.5262"W	10582.59	351.333	0.05	0.00	0.05	
16970.00	90.310	340.400	6077.56	10504.31	10551.25	-1626.58	1653335.76	14374170.49	39°34'58.4159"N	80°57'14.9319"W	10675.89	351.236	0.09	0.03	-0.08	
17064.00	90.340	340.370	6077.03	10598.30	10639.80	-1658.14	1653304.22	14374259.00	39°34'59.2911"N	80°57'15.3343"W	10768.23	351.142	0.05	0.03	-0.03	
17159.00	90.250	340.500	6076.54	10693.30	10729.31	-1689.95	1653272.42	14374348.48	39°35'0.1760"N	80°57'15.7400"W	10861.58	351.049	0.17	-0.09	0.14	
17253.00	90.220	340.710	6076.15	10787.30	10817.97	-1721.17	1653241.22	14374437.11	39°35'1.0524"N	80°57'16.1381"W	10954.04	350.960	0.23	-0.03	0.22	
17347.00	90.370	340.350	6075.67	10881.29	10906.60	-1752.50	1653209.90	14374525.70	39°35'1.9284"N	80°57'16.5377"W	11046.50	350.872	0.41	0.16	-0.38	
17442.00	90.250	340.370	6075.15	10976.28	10996.07	-1784.43	1653177.98	14374615.13	39°35'2.8129"N	80°57'16.9450"W	11139.92	350.782	0.13	-0.13	0.02	
17537.00	89.820	340.280	6075.10	11071.28	11085.52	-1816.41	1653146.01	14374704.55	39°35'3.6971"N	80°57'17.3529"W	11233.35	350.695	0.46	-0.45	-0.09	
17631.00	89.720	340.400	6075.47	11165.27	11174.04	-1848.04	1653114.40	14374793.03	39°35'4.5721"N	80°57'17.7563"W	11325.83	350.609	0.17	-0.11	0.13	
17726.00	89.940	340.010	6075.76	11260.26	11263.43	-1880.21	1653082.24	14374882.38	39°35'5.4557"N	80°57'18.1666"W	11419.28	350.523	0.47	0.23	-0.41	
17821.00	90.000	340.170	6075.81	11355.25	11352.75	-1912.56	1653049.90	14374971.67	39°35'6.3387"N	80°57'18.5792"W	11512.72	350.437	0.18	0.06	0.17	
17915.00	90.090	340.530	6075.73	11449.25	11441.28	-1944.17	1653018.30	14375060.16	39°35'7.2137"N	80°57'18.9824"W	11605.28	350.356	0.39	0.10	0.38	
18010.00	89.880	340.280	6075.76	11544.24	11530.77	-1976.03	1652986.45	14375149.62	39°35'8.0984"N	80°57'19.3888"W	11698.87	350.276	0.34	-0.22	-0.26	
18105.00	89.820	340.550	6076.01	11639.24	11620.28	-2007.87	1652954.62	14375239.09	39°35'8.9832"N	80°57'19.7949"W	11792.47	350.197	0.29	-0.06	0.28	
18199.00	90.120	340.320	6076.05	11733.24	11708.85	-2039.35	1652923.16	14375327.63	39°35'9.8587"N	80°57'20.1964"W	11885.12	350.120	0.40	0.32	-0.24	
18294.00	89.880	340.350	6076.05	11828.23	11798.31	-2071.32	1652891.20	14375417.05	39°35'10.7430"N	80°57'20.6042"W	11978.75	350.043	0.25	-0.25	0.03	
18389.00	89.540	340.570	6076.54	11923.22	11887.84	-2103.10	1652859.44	14375506.54	39°35'11.6280"N	80°57'21.0095"W	12072.43	349.968	0.43	-0.36	0.23	
18483.00	89.540	340.680	6077.29	12017.22	11976.51	-2134.28	1652828.27	14375595.18	39°35'12.5045"N	80°57'21.4072"W	12165.19	349.896	0.12	0.00	0.12	
18578.00	90.000	340.510	6077.67	12112.22	12066.11	-2165.84	1652796.72	14375684.75	39°35'13.3902"N	80°57'21.8098"W	12258.95	349.824	0.52	0.48	-0.18	
18673.00	89.630	340.770	6077.98	12207.22	12155.74	-2197.33	1652765.24	14375774.34	39°35'14.2762"N	80°57'22.2115"W	12352.74	349.754	0.48	-0.39	0.27	
18768.00	89.540	342.020	6078.67	12302.21	12245.77	-2227.64	1652734.94	14375864.33	39°35'15.1661"N	80°57'22.5980"W	12446.74	349.690	1.32	-0.09	1.32	
18862.00	89.510	341.820	6079.45	12396.19	12335.13	-2256.81	1652705.78	14375953.65	39°35'16.0494"N	80°57'22.9701"W	12539.88	349.632	0.22	-0.03	-0.21	
18957.00	89.540	339.720	6080.23	12491.18	12424.82	-2288.10	1652674.51	14376043.31	39°35'16.9360"N	80°57'23.3691"W	12633.74	349.566	2.21	0.03	-2.21	
19051.00	89.450	339.640	6081.06	12585.16	12512.96	-2320.74	1652641.88	14376131.42	39°35'17.8073"N	80°57'23.7855"W	12726.36	349.493	0.13	-0.10	-0.09	
19146.00	90.120	339.060	6081.42	12680.12	12601.86	-2354.24	1652608.39	14376220.28	39°35'18.6860"N	80°57'24.2129"W	12819.88	349.418	0.93	0.71	-0.61	
19241.00	89.720	339.350	6081.55	12775.07	12690.67	-2387.97	1652574.68	14376309.05	39°35'19.5639"N	80°57'24.6431"W	12913.39	349.343	0.52	-0.42	0.31	

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Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

WELLPATH DATA (217 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
19335.00	89.630	340.470	6082.08	12869.05	12778.95	-2420.26	1652542.40	14376397.29	39°35'20.4365"N	80°57'25.0550"W	13006.12	349.276	1.20	-0.10	1.19	
19430.00	89.380	340.350	6082.90	12964.05	12868.45	-2452.11	1652510.57	14376486.76	39°35'21.3212"N	80°57'25.4613"W	13099.99	349.212	0.29	-0.26	-0.13	
19524.00	89.750	339.900	6083.62	13058.03	12956.84	-2484.07	1652478.62	14376575.12	39°35'22.1950"N	80°57'25.8689"W	13192.82	349.147	0.62	0.39	-0.48	
19619.00	89.480	340.530	6084.26	13153.02	13046.23	-2516.22	1652446.48	14376664.47	39°35'23.0786"N	80°57'26.2791"W	13286.67	349.083	0.72	-0.28	0.66	
19713.00	89.570	340.510	6085.04	13247.02	13134.85	-2547.57	1652415.15	14376753.05	39°35'23.9546"N	80°57'26.6790"W	13379.63	349.023	0.10	0.10	-0.02	
19800.00	89.050	341.050	6086.08	13334.01	13216.99	-2576.21	1652386.52	14376835.16	39°35'24.7666"N	80°57'27.0443"W	13465.73	348.970	0.86	-0.60	0.62	
19825.00‡	89.050	341.050	6086.50	13359.01	13240.64	-2584.32	1652378.41	14376858.80	39°35'25.0002"N	80°57'27.1478"W	13490.48	348.956	0.00	0.00	0.00	Projected MD at TD: 19825'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = **7.10**

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: Ocean Unit 1H AWB Ref Wellpath: Ocean Unit 1H AWP Proj: 19825'

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	0.23	-0.16
17 1/2in Open Hole	130.00	462.00	332.00	130.00	462.00	0.23	-0.16	-0.07	0.14
13 3/8in Casing Surface	30.00	442.00	412.00	30.00	442.00	0.00	0.00	0.04	-0.07
12 1/4in Open Hole	462.00	3199.00	2737.00	462.00	3078.31	-0.07	0.14	94.47	761.08
9 5/8in Casing Intermediate	30.00	3169.00	3139.00	30.00	3049.79	0.00	0.00	92.91	751.90
8 3/4in Open Hole	3199.00	5680.00	2481.00	3078.31	5436.87	94.47	761.08	223.14	1517.96
8 1/2in Open Hole	5680.00	19825.00	14145.00	5436.87	6086.50	223.14	1517.96	13240.64	-2584.32
5 1/2in Casing Production	30.00	19805.00	19775.00	30.00	6086.17	0.00	0.00	13221.72	-2577.83

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 1H
Field	Tyler	UWI	47-095-02949-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 1H AWB
Slot	Slot M		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Ocean Unit 1H BHL Rev-5	6047.03	13271.44	-2592.07	1652370.66	14376889.59	39°35'25.3047"N	80°57'27.2466"W	point
Ocean Unit 1H BHL Rev-4	6087.83	13271.44	-2592.07	1652370.66	14376889.59	39°35'25.3047"N	80°57'27.2466"W	point
Ocean Unit 1H BHL Rev-2	6117.59	13418.44	-2642.84	1652319.91	14377036.53	39°35'26.7578"N	80°57'27.8942"W	point
Ocean Unit 1H BHL Rev-3	6118.40	13271.44	-2592.07	1652370.66	14376889.59	39°35'25.3047"N	80°57'27.2466"W	point
Ocean Unit 1H POE Rev-2	6143.00	813.21	1620.98	1656582.02	14364436.36	39°33'22.1540"N	80°56'33.5335"W	point
Ocean Unit 1H AZI Rev-3	6152.98	1509.68	1470.56	1656431.66	14365132.56	39°33'29.0384"N	80°56'35.4483"W	point
Ocean Unit 1H LP Rev-3	6156.00	951.63	1602.59	1656563.64	14364574.73	39°33'23.5222"N	80°56'33.7671"W	point
Ocean Unit 1H POE Rev-1	6156.50	813.21	1620.98	1656582.02	14364436.36	39°33'22.1540"N	80°56'33.5335"W	point

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Actual Wellpath Report

Ocean Unit 1H AWP Proj: 19825'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Ocean Unit 1H**
Field	**Tyler**	UWI	**47-095-02949-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 1H AWB**
Slot	**Slot M**		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Ocean Unit 1H POE Rev-3	6163.00	813.21	1620.98	**1656582.02**	**14364436.36**	39°33'22.1540"N	80°56'33.5335"W	point
Ocean Unit 1H AZI Rev-4	6177.26	1517.22	1467.96	**1656429.06**	**14365140.09**	39°33'29.1129"N	80°56'35.4815"W	point
Ocean Unit 1H LP Rev-4	6183.00	987.17	1596.13	**1656557.17**	**14364610.26**	39°33'23.8735"N	80°56'33.8494"W	point
Ocean Unit 1H AZI Rev-2	6183.40	1537.25	1461.04	**1656422.15**	**14365160.11**	39°33'29.3109"N	80°56'35.5696"W	point
Ocean Unit 1H LP Rev-2	6186.00	1058.24	1581.45	**1656542.50**	**14364681.30**	39°33'24.5760"N	80°56'34.0362"W	point
Ocean Unit 1H BHL Rev-1	6196.50	13418.44	-2642.84	**1652319.91**	**14377036.53**	39°35'26.7578"N	80°57'27.8942"W	point
Ocean Unit 1H 50' L/R Hard Line	6500.00	7404.34	-565.51	1654396.40	14371024.85	39°34'27.3087"N	80°57'1.4021"W	rectangle
	2D Rectangle: 12414.6 x 100.							

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REFERENCE WELLPATH IDENTIFICATION			
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Field	**Tyler**	UWI	**47-095-02949-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 1H AWB**
Slot	**Slot M**		

WELLPATH COMPOSITION - Ref Wellbore: Ocean Unit 1H AWB Ref Wellpath: Ocean Unit 1H AWP Proj: 19825'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	374.00	Gyrodata 2015 - GC+WIR+DPIPE	01_Gyrodata MS Gyro <17-1/2"> (100'-374')	Ocean Unit 1H AWB	2025-11-02
374.00	3122.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (374')(506'-3122')	Ocean Unit 1H AWB	2025-11-02
3122.00	5606.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3122')(3223'-5606')	Ocean Unit 1H AWB	2025-12-12
5606.00	19825.00	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)	04_BH Lucida <8-1/2"> (5606')(5655'-19800')	Ocean Unit 1H AWB	2025-12-12

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Ocean Unit 1H**
Field	**Tyler**	UWI	**47-095-02949-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 1H AWB**
Slot	**Slot M**		

COMMENTS

Wellpath general comments

API: 47-095-02949-0000
BH Job #: 112868250
Rig: H&P 519
Duration: 12/14/2025-12/19/2025
Gyrodata MS Gyro <17-1/2"> (100'-374')
APS EM <12-1/4"> (374')(506'-3122')
APS EM <8-3/4"> (3122')(3223'-5606')
BH Lucida <8-1/2"> (5606')(5655'-19800')
Sycamore: 6284' MD
Middlesex: 6436' MD
Burkett: 6609' MD
Marcellus POE: 6693' MD
Projected MD at TD: 19825'

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