ANTERO RESOURCES CORPORATION

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

Well: Ocean Unit 2H
UWI: 47-095-02950-0000
Wellbore: Ocean Unit 2H PWB
Wellpath: Ocean Unit 2H PWP Rev-B.0

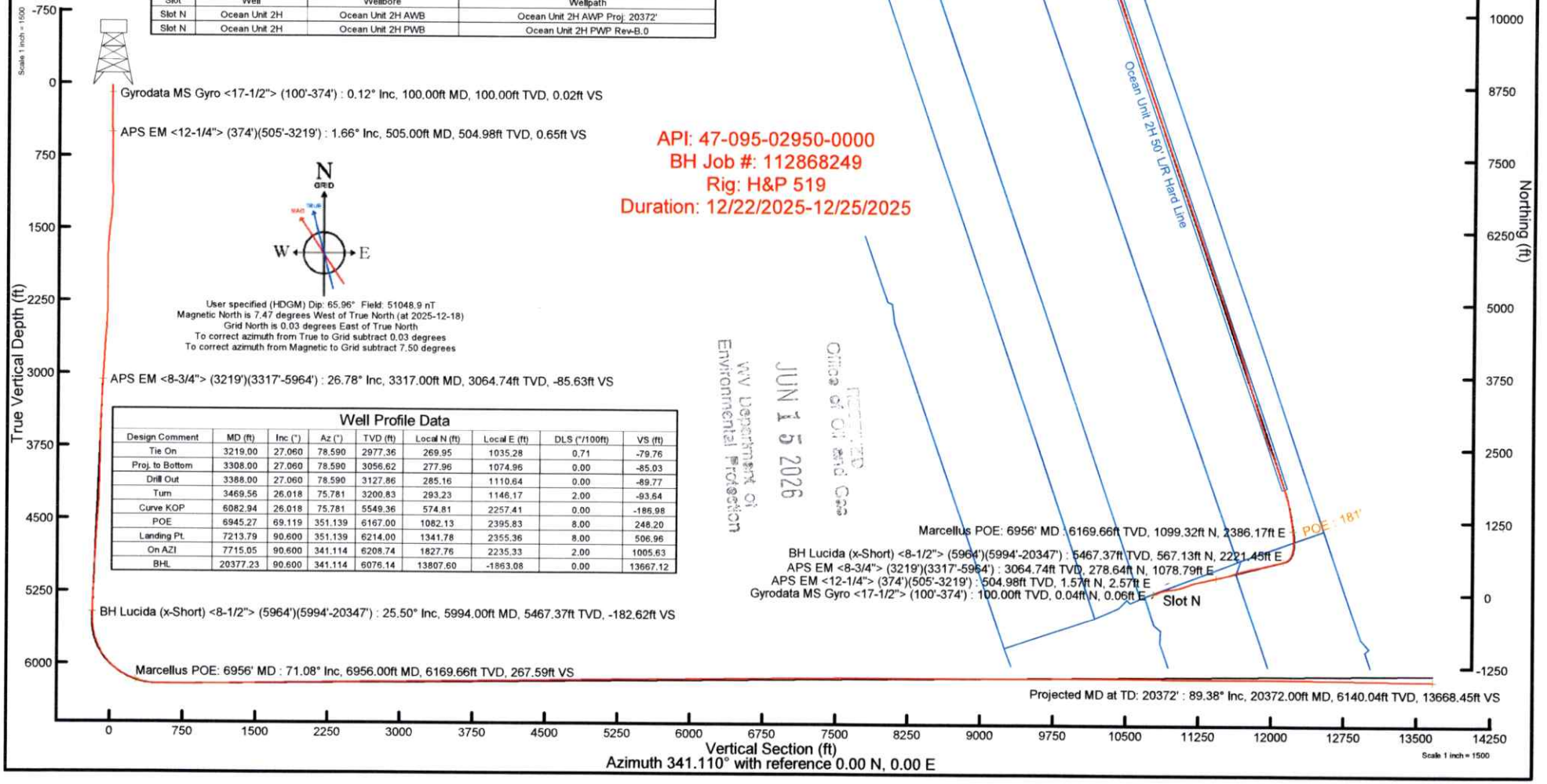
Plot reference wellpath is Ocean Unit 2H PWP Rev-B.0	Grid System: NAD27 / UTM Zone 17 North, US feet
True vertical depths are referenced to H&P 519 (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to H&P 519 (RKB)	Scale: True distance
H&P 519 (RKB) to Mean Sea Level: 1066 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot N): -1036 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: edsaryar on 2025-12-31; 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 N	-193.25	-235.15	1654968.520	14363636.840	39°33'14.2586N	80°56'54.1472W
Comment	Ocean Unit 2H					
H&P 519 (RKB) to Ground level (At Slot: Slot N)				30ft		
Mean Sea Level to Ground level (At Slot: Slot N)				-1036ft		
H&P 519 (RKB) to Mean Sea Level				1066ft		

Well Data

Slot	Well	Wellbore	Wellpath
Slot N	Ocean Unit 2H	Ocean Unit 2H AWB	Ocean Unit 2H AWP Proj: 20372'
Slot N	Ocean Unit 2H	Ocean Unit 2H PWB	Ocean Unit 2H PWP Rev-B.0



API: 47-095-02950-0000
BH Job #: 112868249
Rig: H&P 519
Duration: 12/22/2025-12/25/2025

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	3219.00	27.060	78.590	2977.36	269.95	1035.28	0.71	-79.76
Proj. to Bottom	3308.00	27.060	78.590	3056.62	277.96	1074.96	0.00	-85.03
Drill Out	3388.00	27.060	78.590	3127.86	285.16	1110.64	0.00	-89.77
Turn	3469.56	26.018	75.781	3200.83	293.23	1146.17	2.00	-93.64
Curve KOP	6082.94	26.018	75.781	5549.36	574.81	2257.41	0.00	-186.98
POE	6945.27	69.119	351.139	6167.00	1082.13	2395.83	8.00	248.20
Landing Pt.	7213.79	90.600	351.139	6214.00	1341.78	2355.36	8.00	506.96
On AZI	7715.05	90.600	341.114	6208.74	1827.76	2235.33	2.00	1005.63
BHL	20377.23	90.600	341.114	6076.14	13807.60	-1863.08	0.00	13667.12

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Actual Wellpath Report

Ocean Unit 2H AWP Proj: 20372'

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Ocean Unit 2H**
Field	**Tyler**	UWI	**47-095-02950-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 2H AWB**
Slot	**Slot N**		

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 **1:50:08 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	-193.25	-235.15	**1654968.52**	**14363636.84**	39°33'14.2586"N	80°56'54.1472"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 N)	**30.00ft**
MD Reference Pt	**H&P 519 (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**341.110°**

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Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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	53.030	0.00	0.00	0.00	0.00	1654968.52	14363636.84	39°33'14.2586"N	80°56'54.1472"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	53.030	30.00	0.00	0.00	0.00	1654968.52	14363636.84	39°33'14.2586"N	80°56'54.1472"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.120	53.030	100.00	0.02	0.04	0.06	1654968.58	14363636.88	39°33'14.2591"N	80°56'54.1465"W	0.07	53.030	0.17	0.17	0.00	Gyrodata MS Gyro <17-1/2"> (100'-374')
200.00	0.160	36.880	200.00	0.13	0.22	0.23	1654968.75	14363637.06	39°33'14.2608"N	80°56'54.1443"W	0.31	45.938	0.06	0.04	-16.15	
300.00	0.180	94.990	300.00	0.15	0.32	0.47	1654968.99	14363637.16	39°33'14.2618"N	80°56'54.1413"W	0.56	55.811	0.17	0.02	58.11	
374.00	0.320	90.460	374.00	0.03	0.31	0.79	1654969.31	14363637.14	39°33'14.2616"N	80°56'54.1372"W	0.85	68.859	0.19	0.19	-6.12	
505.00	1.660	48.190	504.98	0.65	1.57	2.57	1654971.09	14363638.41	39°33'14.2741"N	80°56'54.1144"W	3.01	58.616	1.10	1.02	-32.27	APS EM <12-1/4"> (374')(505'-3219')
595.00	5.050	57.970	594.81	2.06	4.54	6.90	1654975.42	14363641.38	39°33'14.3034"N	80°56'54.0591"W	8.26	56.669	3.81	3.77	10.87	
685.00	8.170	67.630	684.20	3.35	9.07	16.17	1654984.69	14363645.91	39°33'14.3482"N	80°56'53.9407"W	18.55	60.708	3.67	3.47	10.73	
775.00	11.240	71.130	772.91	3.73	14.35	30.39	1654998.90	14363651.18	39°33'14.4002"N	80°56'53.7591"W	33.61	64.731	3.47	3.41	3.89	
865.00	13.520	71.750	860.81	3.61	20.48	48.69	1655017.19	14363657.31	39°33'14.4607"N	80°56'53.5255"W	52.82	67.187	2.54	2.53	0.69	
955.00	15.760	68.860	947.88	3.98	28.18	70.08	1655038.57	14363665.01	39°33'14.5368"N	80°56'53.2524"W	75.53	68.093	2.62	2.49	-3.21	
1045.00	18.750	68.060	1033.82	5.23	38.00	94.90	1655063.38	14363674.82	39°33'14.6336"N	80°56'52.9354"W	102.23	68.180	3.33	3.32	-0.89	
1140.00	21.260	71.320	1123.08	5.97	49.22	125.39	1655093.86	14363686.04	39°33'14.7444"N	80°56'52.5461"W	134.70	68.568	2.89	2.64	3.43	
1234.00	23.610	74.960	1209.97	4.65	59.56	159.72	1655128.17	14363696.38	39°33'14.8464"N	80°56'52.1078"W	170.46	69.547	2.90	2.50	3.87	
1328.00	25.660	78.560	1295.41	0.74	68.49	197.85	1655166.29	14363705.30	39°33'14.9344"N	80°56'51.6209"W	209.37	70.906	2.70	2.18	3.83	
1423.00	28.010	83.570	1380.19	-6.74	75.07	240.19	1655208.61	14363711.88	39°33'14.9992"N	80°56'51.0803"W	251.65	72.644	3.43	2.47	5.27	
1518.00	28.550	83.640	1463.85	-16.48	80.08	284.92	1655253.32	14363716.89	39°33'15.0484"N	80°56'50.5092"W	295.96	74.301	0.57	0.57	0.07	
1612.00	28.090	82.170	1546.60	-25.59	85.58	329.17	1655297.55	14363722.39	39°33'15.1026"N	80°56'49.9442"W	340.11	75.426	0.89	-0.49	-1.56	
1707.00	26.490	79.650	1631.02	-33.03	92.44	372.17	1655340.54	14363729.24	39°33'15.1701"N	80°56'49.3952"W	383.48	76.051	2.08	-1.68	-2.65	
1801.00	25.500	76.290	1715.52	-37.97	101.00	412.45	1655380.81	14363737.80	39°33'15.2545"N	80°56'48.8808"W	424.64	76.240	1.89	-1.05	-3.57	
1896.00	24.980	73.250	1801.45	-40.57	111.63	451.53	1655419.87	14363748.42	39°33'15.3593"N	80°56'48.3819"W	465.12	76.114	1.47	-0.55	-3.20	
1991.00	24.680	72.470	1887.67	-41.79	123.38	489.65	1655457.97	14363760.17	39°33'15.4752"N	80°56'47.8951"W	504.96	75.857	0.47	-0.32	-0.82	
2085.00	26.340	70.920	1972.50	-42.18	136.11	528.08	1655496.38	14363772.90	39°33'15.6008"N	80°56'47.4045"W	545.34	75.547	1.90	1.77	-1.65	
2179.00	28.240	71.230	2056.04	-42.16	150.09	568.84	1655537.14	14363786.87	39°33'15.7387"N	80°56'46.8839"W	588.31	75.220	2.03	2.02	0.33	
2273.00	27.890	70.980	2138.98	-42.16	164.41	610.69	1655578.96	14363801.18	39°33'15.8800"N	80°56'46.3496"W	632.43	74.932	0.39	-0.37	-0.27	
2368.00	27.650	71.030	2223.04	-42.08	178.81	652.54	1655620.80	14363815.58	39°33'16.0221"N	80°56'45.8152"W	676.59	74.675	0.25	-0.25	0.05	
2463.00	28.570	71.600	2306.84	-42.24	193.15	694.94	1655663.18	14363829.91	39°33'16.1635"N	80°56'45.2737"W	721.28	74.467	1.01	0.97	0.60	
2557.00	28.710	76.530	2389.35	-44.57	205.51	738.23	1655706.45	14363842.26	39°33'16.2854"N	80°56'44.7209"W	766.30	74.444	2.52	0.15	5.24	
2652.00	28.580	76.800	2472.72	-48.97	216.01	782.54	1655750.75	14363852.76	39°33'16.3890"N	80°56'44.1551"W	811.81	74.569	0.19	-0.14	0.28	

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Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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	27.420	79.080	2555.72	-54.20	225.25	825.69	1655793.88	14363861.99	39°33'16.4800"N	80°56'43.6042"W	855.86	74.741	1.68	-1.23	2.43	
2841.00	27.080	79.940	2640.17	-60.56	233.17	868.46	1655836.63	14363869.91	39°33'16.5580"N	80°56'43.0581"W	899.21	74.971	0.55	-0.36	0.91	
2936.00	27.070	77.530	2724.77	-66.29	241.61	910.86	1655879.01	14363878.35	39°33'16.6412"N	80°56'42.5168"W	942.36	75.144	1.15	-0.01	-2.54	
3030.00	26.520	76.220	2808.67	-70.55	251.23	952.12	1655920.26	14363887.97	39°33'16.7360"N	80°56'41.9899"W	984.71	75.219	0.86	-0.59	-1.39	
3125.00	26.830	77.210	2893.56	-74.72	261.03	993.63	1655961.75	14363897.76	39°33'16.8326"N	80°56'41.4599"W	1027.34	75.281	0.57	0.33	1.04	
3219.00	27.060	78.590	2977.36	-79.76	269.95	1035.28	1656003.38	14363906.68	39°33'16.9206"N	80°56'40.9281"W	1069.89	75.385	0.71	0.24	1.47	
3317.00	26.780	78.830	3064.74	-85.63	278.64	1078.79	1656046.87	14363915.37	39°33'17.0062"N	80°56'40.3726"W	1114.19	75.518	0.31	-0.29	0.24	APS EM <8-3/4"> (3219')(3317'-5964')
3412.00	26.080	75.460	3149.81	-90.09	288.03	1120.00	1656088.07	14363924.75	39°33'17.0987"N	80°56'39.8464"W	1156.44	75.578	1.74	-0.74	-3.55	
3506.00	26.410	78.190	3234.13	-94.23	297.50	1160.46	1656128.52	14363934.22	39°33'17.1920"N	80°56'39.3297"W	1197.99	75.621	1.33	0.35	2.90	
3601.00	26.470	76.440	3319.19	-98.80	306.78	1201.73	1656169.76	14363943.50	39°33'17.2836"N	80°56'38.8028"W	1240.27	75.679	0.82	0.06	-1.84	
3696.00	27.240	77.260	3403.95	-103.10	316.54	1243.52	1656211.54	14363953.26	39°33'17.3797"N	80°56'38.2692"W	1283.17	75.718	0.90	0.81	0.86	
3790.00	27.420	76.060	3487.45	-107.27	326.50	1285.51	1656253.51	14363963.21	39°33'17.4779"N	80°56'37.7331"W	1326.32	75.749	0.62	0.19	-1.28	
3885.00	26.150	71.470	3572.27	-109.29	338.43	1326.59	1656294.58	14363975.13	39°33'17.5955"N	80°56'37.2084"W	1369.08	75.689	2.55	-1.34	-4.83	
3979.00	25.200	71.510	3656.99	-109.56	351.36	1365.21	1656333.18	14363988.05	39°33'17.7231"N	80°56'36.7153"W	1409.70	75.567	1.01	-1.01	0.04	
4074.00	25.240	72.310	3742.93	-110.12	363.92	1403.69	1656371.64	14364000.62	39°33'17.8470"N	80°56'36.2240"W	1450.10	75.465	0.36	0.04	0.84	
4168.00	25.590	72.420	3827.83	-111.01	376.15	1442.13	1656410.07	14364012.83	39°33'17.9676"N	80°56'35.7330"W	1490.38	75.381	0.38	0.37	0.12	
4263.00	27.310	75.800	3912.89	-113.26	387.69	1482.83	1656450.75	14364024.37	39°33'18.0814"N	80°56'35.2134"W	1532.67	75.348	2.41	1.81	3.56	
4358.00	27.040	72.960	3997.41	-115.74	399.36	1524.60	1656492.51	14364036.04	39°33'18.1965"N	80°56'34.6800"W	1576.04	75.321	1.39	-0.28	-2.99	
4452.00	26.080	74.650	4081.49	-117.70	411.10	1564.96	1656532.85	14364047.77	39°33'18.3122"N	80°56'34.1647"W	1618.05	75.282	1.30	-1.02	1.80	
4547.00	24.150	74.190	4167.50	-120.04	421.92	1603.80	1656571.67	14364058.59	39°33'18.4190"N	80°56'33.6688"W	1658.37	75.261	2.04	-2.03	-0.48	
4642.00	23.400	73.190	4254.44	-121.77	432.67	1640.55	1656608.41	14364069.34	39°33'18.5250"N	80°56'33.1994"W	1696.65	75.226	0.90	-0.79	-1.05	
4736.00	25.280	79.430	4340.10	-125.35	441.75	1678.16	1656646.01	14364078.41	39°33'18.6145"N	80°56'32.7192"W	1735.33	75.252	3.39	2.00	6.64	
4831.00	25.090	80.070	4426.06	-131.42	448.95	1717.94	1656685.77	14364085.61	39°33'18.6854"N	80°56'32.2112"W	1775.63	75.355	0.35	-0.20	0.67	
4925.00	25.430	79.120	4511.08	-137.34	456.19	1757.39	1656725.21	14364092.85	39°33'18.7567"N	80°56'31.7075"W	1815.64	75.448	0.56	0.36	-1.01	
5020.00	25.640	78.090	4596.80	-142.68	464.28	1797.54	1656765.33	14364100.94	39°33'18.8364"N	80°56'31.1950"W	1856.53	75.518	0.52	0.22	-1.08	
5114.00	26.300	76.860	4681.31	-147.24	473.22	1837.71	1656805.50	14364109.87	39°33'18.9245"N	80°56'30.6819"W	1897.66	75.560	0.91	0.70	-1.31	
5209.00	27.050	76.400	4766.19	-151.34	483.08	1879.21	1656846.97	14364119.73	39°33'19.0217"N	80°56'30.1521"W	1940.30	75.583	0.82	0.79	-0.48	
5304.00	27.610	76.220	4850.59	-155.29	493.40	1921.58	1656889.33	14364130.04	39°33'19.1234"N	80°56'29.6110"W	1983.92	75.599	0.60	0.59	-0.19	
5398.00	28.200	77.590	4933.66	-159.73	503.36	1964.43	1656932.16	14364140.00	39°33'19.2216"N	80°56'29.0639"W	2027.90	75.628	0.93	0.63	1.46	
5492.00	26.440	72.680	5017.18	-162.82	514.37	2006.11	1656973.82	14364151.00	39°33'19.3301"N	80°56'28.5317"W	2071.00	75.619	3.04	-1.87	-5.22	

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Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

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5587.00	25.760	74.380	5102.50	-164.57	526.22	2046.18	1657013.88	14364162.85	39°33'19.4470"N	80°56'28.0200"W	2112.76	75.578	1.06	-0.72	1.79	
5681.00	27.680	80.220	5186.47	-169.20	535.44	2087.38	1657055.06	14364172.06	39°33'19.5378"N	80°56'27.4940"W	2154.96	75.613	3.46	2.04	6.21	
5776.00	27.570	79.220	5270.64	-175.79	543.30	2130.72	1657098.38	14364179.92	39°33'19.6152"N	80°56'26.9406"W	2198.90	75.695	0.50	-0.12	-1.05	
5870.00	25.290	74.260	5354.82	-179.96	552.81	2171.43	1657139.07	14364189.43	39°33'19.7090"N	80°56'26.4208"W	2240.69	75.717	3.37	-2.43	-5.28	
5964.00	24.280	73.900	5440.16	-182.01	563.62	2209.32	1657176.95	14364200.23	39°33'19.8156"N	80°56'25.9369"W	2280.08	75.689	1.09	-1.07	-0.38	
5994.00	25.500	73.840	5467.37	-182.62	567.13	2221.45	1657189.08	14364203.74	39°33'19.8501"N	80°56'25.7820"W	2292.70	75.679	4.07	4.07	-0.20	BH Lucida (x-Short) <8-1/2"> (5964')(5994'-20347')
6088.00	27.010	66.870	5551.69	-182.00	581.15	2260.52	1657228.14	14364217.76	39°33'19.9885"N	80°56'25.2830"W	2334.03	75.582	3.65	1.61	-7.41	
6183.00	26.070	55.670	5636.74	-174.84	601.41	2297.63	1657265.22	14364238.01	39°33'20.1884"N	80°56'24.8092"W	2375.03	75.332	5.35	-0.99	-11.79	
6277.00	27.040	40.480	5720.92	-158.44	629.34	2328.59	1657296.17	14364265.93	39°33'20.4643"N	80°56'24.4137"W	2412.14	74.876	7.28	1.03	-16.16	
6372.00	31.170	27.620	5803.98	-130.48	667.61	2354.04	1657321.62	14364304.18	39°33'20.8423"N	80°56'24.0884"W	2446.88	74.167	7.87	4.35	-13.54	
6466.00	36.150	18.200	5882.25	-91.57	715.56	2374.01	1657341.57	14364352.11	39°33'21.3161"N	80°56'23.8331"W	2479.50	73.226	7.66	5.30	-10.02	
6561.00	42.690	11.070	5955.64	-41.23	773.88	2388.97	1657356.53	14364410.41	39°33'21.8924"N	80°56'23.6416"W	2511.18	72.051	8.36	6.88	-7.51	
6573.00†	43.492	10.307	5964.40	-34.10	781.94	2390.49	1657358.05	14364418.46	39°33'21.9720"N	80°56'23.6221"W	2515.12	71.887	7.97	6.68	-6.36	Sycamore: 6573' MD
6656.00	49.160	5.580	6021.71	19.47	841.35	2398.66	1657366.21	14364477.85	39°33'22.5592"N	80°56'23.5173"W	2541.93	70.671	7.97	6.83	-5.69	
6723.00†	54.114	1.316	6063.30	68.05	893.76	2401.75	1657369.30	14364530.24	39°33'23.0771"N	80°56'23.4774"W	2562.65	69.588	8.92	7.39	-6.36	Middlesex: 6723' MD
6750.00	56.150	359.750	6078.73	88.94	915.91	2401.95	1657369.51	14364552.38	39°33'23.2960"N	80°56'23.4746"W	2570.65	69.127	8.92	7.54	-5.80	
6845.00	63.210	353.640	6126.69	167.87	997.66	2397.07	1657364.63	14364634.09	39°33'24.1040"N	80°56'23.5362"W	2596.40	67.403	9.27	7.43	-6.43	
6885.00†	66.099	353.846	6143.81	203.14	1033.59	2393.13	1657360.69	14364670.01	39°33'24.4591"N	80°56'23.5862"W	2606.80	66.641	7.24	7.22	0.51	Burkett: 6885' MD
6939.00	70.000	354.110	6164.00	251.95	1083.39	2387.88	1657355.44	14364719.79	39°33'24.9514"N	80°56'23.6528"W	2622.16	65.596	7.24	7.22	0.49	
6956.00†	71.075	353.661	6169.66	267.59	1099.32	2386.17	1657353.74	14364735.72	39°33'25.1089"N	80°56'23.6745"W	2627.23	65.264	6.80	6.32	-2.64	Marcellus POE: 6956' MD
7034.00	76.020	351.670	6191.75	340.85	1173.49	2376.61	1657344.18	14364809.86	39°33'25.8419"N	80°56'23.7959"W	2650.54	63.721	6.80	6.34	-2.55	
7129.00	82.590	351.680	6209.37	432.57	1265.80	2363.10	1657330.67	14364902.13	39°33'26.7544"N	80°56'23.9676"W	2680.77	61.824	6.92	6.92	0.01	
7224.00	90.740	350.720	6214.89	525.86	1359.45	2348.60	1657316.18	14364995.74	39°33'27.6800"N	80°56'24.1519"W	2713.67	59.936	8.64	8.58	-1.01	
7318.00	90.580	349.490	6213.81	618.70	1452.04	2332.45	1657300.03	14365088.30	39°33'28.5952"N	80°56'24.3574"W	2747.50	58.096	1.32	-0.17	-1.31	
7413.00	90.680	347.210	6212.76	712.93	1545.07	2313.27	1657280.86	14365181.29	39°33'29.5148"N	80°56'24.6015"W	2781.81	56.260	2.40	0.11	-2.40	
7507.00	90.520	345.400	6211.78	806.53	1636.39	2291.02	1657258.62	14365272.57	39°33'30.4175"N	80°56'24.8848"W	2815.41	54.463	1.93	-0.17	-1.93	
7602.00	90.710	342.250	6210.76	901.41	1727.61	2264.56	1657232.17	14365363.76	39°33'31.3192"N	80°56'25.2218"W	2848.31	52.660	3.32	0.20	-3.32	
7697.00	90.830	341.520	6209.48	996.39	1817.89	2235.02	1657202.65	14365454.00	39°33'32.2117"N	80°56'25.5982"W	2880.98	50.876	0.78	0.13	-0.77	
7791.00	90.920	340.990	6208.04	1090.38	1906.90	2204.82	1657172.45	14365542.97	39°33'33.0915"N	80°56'25.9831"W	2915.04	49.144	0.57	0.10	-0.56	
7885.00	91.320	342.000	6206.21	1184.36	1996.02	2174.99	1657142.64	14365632.06	39°33'33.9725"N	80°56'26.3631"W	2952.06	47.457	1.16	0.43	1.07	

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Actual Wellpath Report

Ocean Unit 2H AWP Proj: 20372'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 2H
Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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
7980.00	91.170	341.710	6204.14	1279.33	2086.27	2145.41	1657113.07	14365722.28	39°33'34.8647"N	80°56'26.7400"W	2992.55	45.801	0.34	-0.16	-0.31	
8075.00	91.050	339.570	6202.30	1374.30	2175.88	2113.93	1657081.60	14365811.85	39°33'35.7505"N	80°56'27.1413"W	3033.67	44.173	2.26	-0.13	-2.25	
8170.00	91.020	340.720	6200.59	1469.27	2265.22	2081.67	1657049.35	14365901.15	39°33'36.6337"N	80°56'27.5524"W	3076.45	42.582	1.21	-0.03	1.21	
8264.00	90.800	339.670	6199.09	1563.25	2353.64	2049.82	1657017.52	14365989.54	39°33'37.5079"N	80°56'27.9582"W	3121.12	41.053	1.14	-0.23	-1.12	
8359.00	90.920	334.940	6197.67	1658.00	2441.25	2013.18	1656980.90	14366077.11	39°33'38.3740"N	80°56'28.4253"W	3164.27	39.511	4.98	0.13	-4.98	
8453.00	91.110	337.350	6196.00	1751.62	2527.20	1975.18	1656942.90	14366163.03	39°33'39.2237"N	80°56'28.9099"W	3207.50	38.010	2.57	0.20	2.56	
8548.00	90.980	339.480	6194.27	1846.50	2615.52	1940.24	1656907.98	14366251.31	39°33'40.0968"N	80°56'29.3553"W	3256.60	36.569	2.25	-0.14	2.24	
8643.00	90.520	341.830	6193.02	1941.48	2705.14	1908.77	1656876.53	14366340.90	39°33'40.9827"N	80°56'29.7562"W	3310.77	35.207	2.52	-0.48	2.47	
8738.00	90.710	342.680	6192.01	2036.45	2795.62	1879.82	1656847.58	14366431.33	39°33'41.8771"N	80°56'30.1252"W	3368.86	33.918	0.92	0.20	0.89	
8832.00	90.710	342.540	6190.84	2130.42	2885.31	1851.73	1656819.50	14366520.99	39°33'42.7638"N	80°56'30.4831"W	3428.40	32.691	0.15	0.00	-0.15	
8927.00	90.650	342.910	6189.71	2225.37	2976.02	1823.52	1656791.31	14366611.67	39°33'43.6604"N	80°56'30.8425"W	3490.26	31.497	0.39	-0.06	0.39	
9021.00	90.680	342.840	6188.62	2319.32	3065.85	1795.84	1656763.64	14366701.46	39°33'44.5484"N	80°56'31.1952"W	3553.09	30.360	0.08	0.03	-0.07	
9116.00	90.800	342.970	6187.39	2414.27	3156.64	1767.92	1656735.73	14366792.22	39°33'45.4459"N	80°56'31.5510"W	3618.00	29.252	0.19	0.13	0.14	
9211.00	90.740	342.880	6186.12	2509.21	3247.45	1740.03	1656707.85	14366882.98	39°33'46.3435"N	80°56'31.9063"W	3684.24	28.183	0.11	-0.06	-0.09	
9305.00	90.680	343.050	6184.95	2603.15	3337.32	1712.49	1656680.32	14366972.82	39°33'47.2319"N	80°56'32.2572"W	3751.04	27.164	0.19	-0.06	0.18	
9399.00	90.710	343.840	6183.81	2697.07	3427.41	1685.71	1656653.55	14367062.88	39°33'48.1225"N	80°56'32.5984"W	3819.53	26.189	0.84	0.03	0.84	
9494.00	90.710	343.000	6182.64	2791.98	3518.46	1658.60	1656626.46	14367153.88	39°33'49.0225"N	80°56'32.9438"W	3889.79	25.239	0.88	0.00	-0.88	
9588.00	90.180	342.350	6181.91	2885.94	3608.19	1630.61	1656598.48	14367243.58	39°33'49.9095"N	80°56'33.3004"W	3959.53	24.319	0.89	-0.56	-0.69	
9683.00	90.680	344.930	6181.19	2980.84	3699.33	1603.86	1656571.73	14367334.68	39°33'50.8105"N	80°56'33.6413"W	4032.05	23.439	2.77	0.53	2.72	
9778.00	90.680	343.390	6180.07	3075.69	3790.71	1577.93	1656545.81	14367426.03	39°33'51.7138"N	80°56'33.9716"W	4106.02	22.600	1.62	0.00	-1.62	
9872.00	90.830	342.930	6178.83	3169.63	3880.67	1550.70	1656518.60	14367515.96	39°33'52.6031"N	80°56'34.3186"W	4179.03	21.781	0.51	0.16	-0.49	
9967.00	90.620	342.300	6177.62	3264.59	3971.33	1522.32	1656490.22	14367606.57	39°33'53.4992"N	80°56'34.6803"W	4253.10	20.973	0.70	-0.22	-0.66	
10061.00	90.980	341.510	6176.31	3358.57	4060.67	1493.12	1656461.04	14367695.88	39°33'54.3823"N	80°56'35.0523"W	4326.48	20.189	0.92	0.38	-0.84	
10156.00	91.020	341.850	6174.65	3453.55	4150.84	1463.27	1656431.20	14367786.01	39°33'55.2737"N	80°56'35.4328"W	4401.21	19.419	0.36	0.04	0.36	
10251.00	90.920	341.940	6173.05	3548.52	4241.12	1433.75	1656401.69	14367876.26	39°33'56.1662"N	80°56'35.8090"W	4476.91	18.678	0.14	-0.11	0.09	
10345.00	90.460	341.680	6171.91	3642.51	4330.42	1404.41	1656372.36	14367965.52	39°33'57.0489"N	80°56'36.1829"W	4552.46	17.969	0.56	-0.49	-0.28	
10440.00	90.650	341.870	6170.99	3737.50	4420.65	1374.70	1656342.67	14368055.71	39°33'57.9409"N	80°56'36.5615"W	4629.46	17.274	0.28	0.20	0.20	
10534.00	90.650	342.000	6169.93	3831.48	4510.01	1345.55	1656313.53	14368145.04	39°33'58.8242"N	80°56'36.9330"W	4706.45	16.612	0.14	0.00	0.14	
10629.00	90.400	341.800	6169.06	3926.47	4600.30	1316.04	1656284.03	14368235.30	39°33'59.7168"N	80°56'37.3091"W	4784.85	15.965	0.34	-0.26	-0.21	
10724.00	90.340	340.050	6168.44	4021.46	4690.08	1284.99	1656253.00	14368325.04	39°34'0.6043"N	80°56'37.7048"W	4862.93	15.322	1.84	-0.06	-1.84	

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Ocean Unit 2H AWP Proj: 20372'

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Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 2H
Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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	341.050	6167.22	4116.45	4779.65	1253.36	1656221.38	14368414.57	39°34'1.4897"N	80°56'38.1080"W	4941.25	14.694	1.35	0.84	1.05	
10913.00	90.950	340.430	6165.50	4210.43	4868.38	1222.36	1656190.39	14368503.26	39°34'2.3668"N	80°56'38.5031"W	5019.49	14.095	0.69	-0.20	-0.66	
11008.00	91.020	339.660	6163.87	4305.40	4957.66	1189.94	1656157.99	14368592.51	39°34'3.2494"N	80°56'38.9164"W	5098.46	13.497	0.81	0.07	-0.81	
11103.00	90.710	340.160	6162.43	4400.37	5046.87	1157.32	1656125.37	14368681.68	39°34'4.1313"N	80°56'39.3323"W	5177.86	12.915	0.62	-0.33	0.53	
11197.00	90.920	340.480	6161.10	4494.35	5135.37	1125.66	1656093.73	14368770.14	39°34'5.0061"N	80°56'39.7358"W	5257.29	12.364	0.41	0.22	0.34	
11292.00	90.920	340.630	6159.57	4589.33	5224.94	1094.04	1656062.12	14368859.68	39°34'5.8916"N	80°56'40.1388"W	5338.25	11.826	0.16	0.00	0.16	
11387.00	90.920	340.400	6158.05	4684.32	5314.48	1062.36	1656030.45	14368949.19	39°34'6.7768"N	80°56'40.5427"W	5419.63	11.304	0.24	0.00	-0.24	
11481.00	90.860	340.990	6156.59	4778.30	5403.19	1031.29	1655999.39	14369037.86	39°34'7.6536"N	80°56'40.9388"W	5500.73	10.806	0.63	-0.06	0.63	
11576.00	91.020	340.700	6155.03	4873.29	5492.92	1000.12	1655968.24	14369127.55	39°34'8.5406"N	80°56'41.3361"W	5583.22	10.319	0.35	0.17	-0.31	
11670.00	90.980	340.780	6153.39	4967.27	5581.64	969.12	1655937.25	14369216.24	39°34'9.4177"N	80°56'41.7313"W	5665.15	9.850	0.10	-0.04	0.09	
11765.00	90.950	340.990	6151.79	5062.26	5671.39	938.01	1655906.15	14369305.95	39°34'10.3049"N	80°56'42.1278"W	5748.44	9.391	0.22	-0.03	0.22	
11860.00	90.710	340.650	6150.41	5157.25	5761.11	906.80	1655874.96	14369395.63	39°34'11.1918"N	80°56'42.5256"W	5832.04	8.945	0.44	-0.25	-0.36	
11954.00	90.710	340.530	6149.25	5251.23	5849.76	875.57	1655843.74	14369484.25	39°34'12.0681"N	80°56'42.9237"W	5914.92	8.513	0.13	0.00	-0.13	
12049.00	90.800	340.600	6148.00	5346.22	5939.34	843.96	1655812.14	14369573.79	39°34'12.9537"N	80°56'43.3267"W	5999.00	8.087	0.12	0.09	0.07	
12144.00	90.650	340.720	6146.79	5441.21	6028.97	812.50	1655780.70	14369663.39	39°34'13.8397"N	80°56'43.7277"W	6083.47	7.675	0.20	-0.16	0.13	
12238.00	90.740	340.580	6145.65	5535.20	6117.65	781.36	1655749.56	14369752.04	39°34'14.7164"N	80°56'44.1247"W	6167.35	7.279	0.18	0.10	-0.15	
12333.00	90.890	340.840	6144.30	5630.19	6207.31	749.98	1655718.20	14369841.66	39°34'15.6027"N	80°56'44.5247"W	6252.45	6.889	0.32	0.16	0.27	
12427.00	90.740	340.760	6142.96	5724.18	6296.07	719.07	1655687.30	14369930.38	39°34'16.4801"N	80°56'44.9187"W	6337.00	6.515	0.18	-0.16	-0.09	
12522.00	90.710	340.870	6141.76	5819.17	6385.79	687.85	1655656.10	14370020.06	39°34'17.3670"N	80°56'45.3167"W	6422.73	6.148	0.12	-0.03	0.12	
12617.00	90.740	340.700	6140.56	5914.16	6475.49	656.59	1655624.84	14370109.73	39°34'18.2537"N	80°56'45.7152"W	6508.69	5.790	0.18	0.03	-0.18	
12711.00	90.680	340.930	6139.40	6008.15	6564.26	625.70	1655593.97	14370198.47	39°34'19.1312"N	80°56'46.1090"W	6594.02	5.445	0.25	-0.06	0.24	
12806.00	90.740	341.180	6138.22	6103.14	6654.11	594.86	1655563.14	14370288.28	39°34'20.0194"N	80°56'46.5021"W	6680.65	5.109	0.27	0.06	0.26	
12900.00	90.710	340.770	6137.03	6197.14	6742.97	564.22	1655532.51	14370377.10	39°34'20.8978"N	80°56'46.8927"W	6766.53	4.783	0.44	-0.03	-0.44	
12995.00	90.800	340.990	6135.78	6292.13	6832.72	533.11	1655501.41	14370466.81	39°34'21.7850"N	80°56'47.2894"W	6853.48	4.461	0.25	0.09	0.23	
13184.00	90.680	340.930	6133.34	6481.11	7011.36	471.45	1655439.78	14370645.39	39°34'23.5510"N	80°56'48.0753"W	7027.20	3.847	0.07	-0.06	-0.03	
13279.00	90.430	340.570	6132.42	6576.10	7101.05	440.14	1655408.48	14370735.04	39°34'24.4375"N	80°56'48.4746"W	7114.68	3.547	0.46	-0.26	-0.38	
13373.00	90.460	341.110	6131.69	6670.10	7189.84	409.28	1655377.64	14370823.79	39°34'25.3152"N	80°56'48.8679"W	7201.48	3.258	0.58	0.03	0.57	
13468.00	90.550	340.930	6130.85	6765.10	7279.67	378.39	1655346.76	14370913.58	39°34'26.2032"N	80°56'49.2618"W	7289.50	2.975	0.21	0.09	-0.19	
13562.00	90.620	340.870	6129.89	6859.09	7368.49	347.63	1655316.01	14371002.37	39°34'27.0812"N	80°56'49.6539"W	7376.69	2.701	0.10	0.07	-0.06	
13657.00	90.460	340.670	6128.99	6954.08	7458.19	316.34	1655284.74	14371092.03	39°34'27.9679"N	80°56'50.0527"W	7464.89	2.429	0.27	-0.17	-0.21	

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Actual Wellpath Report

Ocean Unit 2H AWP Proj: 20372'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 2H
Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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
13751.00	90.620	340.880	6128.11	7048.08	7546.94	285.39	1655253.80	14371180.75	39°34'28.8453"N	80°56'50.4473"W	7552.33	2.166	0.28	0.17	0.22	
13846.00	90.550	340.790	6127.14	7143.07	7636.67	254.21	1655222.62	14371270.44	39°34'29.7323"N	80°56'50.8449"W	7640.90	1.907	0.12	-0.07	-0.09	
13941.00	90.180	340.500	6126.53	7238.07	7726.30	222.72	1655191.15	14371360.03	39°34'30.6183"N	80°56'51.2463"W	7729.51	1.651	0.49	-0.39	-0.31	
14035.00	90.430	340.940	6126.03	7332.06	7815.02	191.69	1655160.13	14371448.73	39°34'31.4954"N	80°56'51.6420"W	7817.38	1.405	0.54	0.27	0.47	
14130.00	90.370	340.720	6125.37	7427.06	7904.75	160.49	1655128.95	14371538.42	39°34'32.3824"N	80°56'52.0397"W	7906.38	1.163	0.24	-0.06	-0.23	
14225.00	90.220	340.820	6124.88	7522.06	7994.45	129.20	1655097.67	14371628.08	39°34'33.2690"N	80°56'52.4386"W	7995.50	0.926	0.19	-0.16	0.11	
14319.00	90.180	341.130	6124.55	7616.06	8083.32	98.56	1655067.04	14371716.91	39°34'34.1475"N	80°56'52.8293"W	8083.92	0.699	0.33	-0.04	0.33	
14413.00	90.220	341.030	6124.22	7710.06	8172.24	68.08	1655036.57	14371805.80	39°34'35.0265"N	80°56'53.2179"W	8172.52	0.477	0.11	0.04	-0.11	
14508.00	90.030	340.850	6124.02	7805.05	8262.03	37.06	1655005.56	14371895.55	39°34'35.9141"N	80°56'53.6134"W	8262.11	0.257	0.28	-0.20	-0.19	
14603.00	90.250	340.910	6123.78	7900.05	8351.79	5.94	1654974.46	14371985.27	39°34'36.8014"N	80°56'54.0101"W	8351.79	0.041	0.24	0.23	0.06	
14698.00	90.090	340.730	6123.50	7995.05	8441.52	-25.27	1654943.26	14372074.96	39°34'37.6883"N	80°56'54.4081"W	8441.55	359.828	0.25	-0.17	-0.19	
14792.00	90.090	340.810	6123.35	8089.05	8530.27	-56.23	1654912.31	14372163.68	39°34'38.5657"N	80°56'54.8028"W	8530.46	359.622	0.09	0.00	0.09	
14886.00	90.060	340.720	6123.23	8183.05	8619.02	-87.20	1654881.36	14372252.40	39°34'39.4430"N	80°56'55.1976"W	8619.46	359.420	0.10	-0.03	-0.10	
14981.00	90.060	340.800	6123.13	8278.05	8708.72	-118.50	1654850.07	14372342.06	39°34'40.3297"N	80°56'55.5968"W	8709.52	359.220	0.08	0.00	0.08	
15076.00	90.150	340.940	6122.96	8373.05	8798.47	-149.63	1654818.95	14372431.78	39°34'41.2169"N	80°56'55.9937"W	8799.74	359.026	0.18	0.09	0.15	
15170.00	90.090	340.620	6122.76	8467.04	8887.23	-180.58	1654788.01	14372520.50	39°34'42.0943"N	80°56'56.3883"W	8889.06	358.836	0.35	-0.06	-0.34	
15265.00	90.250	341.010	6122.48	8562.04	8976.95	-211.80	1654756.81	14372610.19	39°34'42.9812"N	80°56'56.7863"W	8979.45	358.648	0.44	0.17	0.41	
15360.00	90.150	340.870	6122.15	8657.04	9066.74	-242.82	1654725.80	14372699.94	39°34'43.8688"N	80°56'57.1819"W	9070.00	358.466	0.18	-0.11	-0.15	
15454.00	90.030	340.810	6122.00	8751.04	9155.54	-273.67	1654694.96	14372788.70	39°34'44.7466"N	80°56'57.5753"W	9159.63	358.288	0.14	-0.13	-0.06	
15548.00	90.120	340.810	6121.88	8845.04	9244.31	-304.57	1654664.07	14372877.44	39°34'45.6242"N	80°56'57.9692"W	9249.33	358.113	0.10	0.10	0.00	
15643.00	90.150	341.100	6121.65	8940.04	9334.11	-335.57	1654633.09	14372967.20	39°34'46.5118"N	80°56'58.3645"W	9340.14	357.941	0.31	0.03	0.31	
15737.00	90.250	340.930	6121.33	9034.04	9423.00	-366.15	1654602.52	14373056.05	39°34'47.3905"N	80°56'58.7544"W	9430.11	357.775	0.21	0.11	-0.18	
15832.00	90.120	340.740	6121.02	9129.04	9512.73	-397.34	1654571.34	14373145.75	39°34'48.2775"N	80°56'59.1521"W	9521.03	357.608	0.24	-0.14	-0.20	
15926.00	90.250	340.840	6120.71	9223.03	9601.50	-428.27	1654540.43	14373234.48	39°34'49.1550"N	80°56'59.5464"W	9611.05	357.446	0.17	0.14	0.11	
16021.00	90.150	340.910	6120.38	9318.03	9691.26	-459.39	1654509.31	14373324.20	39°34'50.0422"N	80°56'59.9433"W	9702.14	357.286	0.13	-0.11	0.07	
16116.00	90.180	341.170	6120.11	9413.03	9781.10	-490.26	1654478.46	14373414.01	39°34'50.9304"N	80°57'0.3369"W	9793.38	357.131	0.28	0.03	0.27	
16211.00	89.720	340.630	6120.19	9508.03	9870.87	-521.34	1654447.39	14373503.75	39°34'51.8177"N	80°57'0.7332"W	9884.63	356.977	0.75	-0.48	-0.57	
16306.00	89.540	339.170	6120.81	9603.00	9960.08	-553.99	1654414.76	14373592.92	39°34'52.6996"N	80°57'1.1496"W	9975.48	356.816	1.55	-0.19	-1.54	
16402.00	90.830	342.410	6120.50	9698.99	10050.72	-585.57	1654383.19	14373683.52	39°34'53.5956"N	80°57'1.5523"W	10067.76	356.666	3.63	1.34	3.38	
16496.00	90.120	340.530	6119.72	9792.98	10139.84	-615.44	1654353.33	14373772.61	39°34'54.4765"N	80°57'1.9331"W	10158.50	356.527	2.14	-0.76	-2.00	

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Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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
16591.00	89.940	341.170	6119.67	9887.98	10229.58	-646.60	1654322.18	14373862.31	39°34'55.3636"N	80°57'2.3305"W	10250.00	356.383	0.70	-0.19	0.67	
16685.00	90.090	340.900	6119.64	9981.98	10318.48	-677.15	1654291.64	14373951.17	39°34'56.2424"N	80°57'2.7201"W	10340.67	356.245	0.33	0.16	-0.29	
16780.00	90.090	340.640	6119.49	10076.97	10408.18	-708.44	1654260.36	14374040.84	39°34'57.1291"N	80°57'3.1191"W	10432.26	356.106	0.27	0.00	-0.27	
16875.00	90.220	340.630	6119.24	10171.97	10497.80	-739.94	1654228.87	14374130.43	39°34'58.0150"N	80°57'3.5208"W	10523.85	355.968	0.14	0.14	-0.01	
16969.00	90.120	340.880	6118.96	10265.97	10586.55	-770.93	1654197.90	14374219.14	39°34'58.8923"N	80°57'3.9159"W	10614.58	355.835	0.29	-0.11	0.27	
17064.00	90.120	340.790	6118.76	10360.97	10676.29	-802.11	1654166.73	14374308.84	39°34'59.7793"N	80°57'4.3136"W	10706.37	355.703	0.09	0.00	-0.09	
17158.00	90.120	340.670	6118.56	10454.96	10765.02	-833.14	1654135.72	14374397.53	39°35'0.6565"N	80°57'4.7092"W	10797.21	355.575	0.13	0.00	-0.13	
17253.00	90.060	340.980	6118.41	10549.96	10854.75	-864.34	1654104.53	14374487.23	39°35'1.5435"N	80°57'5.1071"W	10889.11	355.447	0.33	-0.06	0.33	
17347.00	89.970	340.520	6118.39	10643.96	10943.49	-895.33	1654073.55	14374575.94	39°35'2.4207"N	80°57'5.5023"W	10980.06	355.323	0.50	-0.10	-0.49	
17442.00	90.030	340.200	6118.39	10738.95	11032.96	-927.26	1654041.63	14374665.37	39°35'3.3052"N	80°57'5.9095"W	11071.86	355.196	0.34	0.06	-0.34	
17536.00	88.920	339.210	6119.25	10832.92	11121.12	-959.86	1654009.04	14374753.50	39°35'4.1766"N	80°57'6.3253"W	11162.47	355.067	1.58	-1.18	-1.05	
17631.00	89.480	340.500	6120.58	10927.88	11210.30	-992.58	1653976.34	14374842.64	39°35'5.0582"N	80°57'6.7425"W	11254.16	354.940	1.48	0.59	1.36	
17726.00	90.090	341.100	6120.93	11022.88	11300.01	-1023.82	1653945.11	14374932.31	39°35'5.9450"N	80°57'7.1409"W	11346.30	354.823	0.90	0.64	0.63	
17820.00	90.090	340.730	6120.78	11116.88	11388.85	-1054.55	1653914.39	14375021.11	39°35'6.8231"N	80°57'7.5329"W	11437.57	354.710	0.39	0.00	-0.39	
17915.00	89.880	340.620	6120.81	11211.88	11478.49	-1085.99	1653882.97	14375110.72	39°35'7.7093"N	80°57'7.9338"W	11529.75	354.595	0.25	-0.22	-0.12	
18010.00	89.450	340.460	6121.36	11306.87	11568.07	-1117.64	1653851.33	14375200.26	39°35'8.5947"N	80°57'8.3374"W	11621.93	354.482	0.48	-0.45	-0.17	
18104.00	90.150	340.690	6121.69	11400.86	11656.71	-1148.90	1653820.08	14375288.87	39°35'9.4710"N	80°57'8.7361"W	11713.20	354.371	0.78	0.74	0.24	
18199.00	89.820	340.230	6121.72	11495.86	11746.24	-1180.67	1653788.32	14375378.36	39°35'10.3560"N	80°57'9.1413"W	11805.43	354.260	0.60	-0.35	-0.48	
18294.00	89.970	340.390	6121.89	11590.85	11835.69	-1212.68	1653756.32	14375467.77	39°35'11.2401"N	80°57'9.5496"W	11897.65	354.150	0.23	0.16	0.17	
18388.00	90.150	338.070	6121.79	11684.79	11923.57	-1246.01	1653723.01	14375555.62	39°35'12.1089"N	80°57'9.9747"W	11988.50	354.034	2.48	0.19	-2.47	
18483.00	89.970	341.760	6121.69	11779.75	12012.78	-1278.63	1653690.40	14375644.79	39°35'12.9907"N	80°57'10.3907"W	12080.64	353.924	3.89	-0.19	3.88	
18578.00	90.250	341.960	6121.51	11874.75	12103.06	-1308.21	1653660.84	14375735.04	39°35'13.8831"N	80°57'10.7679"W	12173.55	353.831	0.36	0.29	0.21	
18673.00	90.220	341.910	6121.12	11969.74	12193.37	-1337.67	1653631.39	14375825.32	39°35'14.7759"N	80°57'11.1436"W	12266.53	353.739	0.06	-0.03	-0.05	
18767.00	89.820	341.870	6121.09	12063.73	12282.72	-1366.89	1653602.18	14375914.62	39°35'15.6590"N	80°57'11.5162"W	12358.54	353.650	0.43	-0.43	-0.04	
18862.00	89.380	341.520	6121.75	12158.72	12372.91	-1396.72	1653572.36	14376004.78	39°35'16.5506"N	80°57'11.8967"W	12451.49	353.559	0.59	-0.46	-0.37	
18956.00	89.260	341.810	6122.87	12252.71	12462.13	-1426.29	1653542.80	14376093.96	39°35'17.4325"N	80°57'12.2738"W	12543.48	353.471	0.33	-0.13	0.31	
19051.00	89.320	341.910	6124.04	12347.69	12552.40	-1455.87	1653513.24	14376184.20	39°35'18.3248"N	80°57'12.6509"W	12636.55	353.384	0.12	0.06	0.11	
19146.00	89.350	341.850	6125.15	12442.68	12642.68	-1485.41	1653483.71	14376274.44	39°35'19.2173"N	80°57'13.0277"W	12729.65	353.299	0.07	0.03	-0.06	
19240.00	89.350	342.040	6126.21	12536.66	12732.05	-1514.54	1653454.59	14376363.77	39°35'20.1006"N	80°57'13.3992"W	12821.81	353.216	0.20	0.00	0.20	
19335.00	89.290	342.000	6127.34	12631.64	12822.40	-1543.87	1653425.28	14376454.09	39°35'20.9938"N	80°57'13.7731"W	12915.01	353.134	0.08	-0.06	-0.04	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 2H
Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

WELLPATH DATA (222 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	89.320	341.980	6128.48	12725.62	12911.79	-1572.93	1653396.23	14376543.44	39°35'21.8773"N	80°57'14.1438"W	13007.25	353.054	0.04	0.03	-0.02	
19524.00	89.290	342.080	6129.63	12820.61	13002.15	-1602.23	1653366.93	14376633.77	39°35'22.7705"N	80°57'14.5175"W	13100.50	352.975	0.11	-0.03	0.11	
19619.00	89.290	341.950	6130.81	12915.59	13092.50	-1631.56	1653337.61	14376724.08	39°35'23.6636"N	80°57'14.8916"W	13193.77	352.897	0.14	0.00	-0.14	
19713.00	89.140	341.850	6132.10	13009.57	13181.84	-1660.76	1653308.42	14376813.39	39°35'24.5467"N	80°57'15.2640"W	13286.05	352.819	0.19	-0.16	-0.11	
19808.00	89.260	342.130	6133.43	13104.55	13272.18	-1690.13	1653279.06	14376903.69	39°35'25.4397"N	80°57'15.6385"W	13379.36	352.743	0.32	0.13	0.29	
19902.00	89.200	341.840	6134.69	13198.53	13361.56	-1719.20	1653250.01	14376993.03	39°35'26.3232"N	80°57'16.0093"W	13471.71	352.668	0.32	-0.06	-0.31	
19997.00	89.260	341.930	6135.96	13293.51	13451.84	-1748.74	1653220.48	14377083.28	39°35'27.2157"N	80°57'16.3859"W	13565.04	352.593	0.11	0.06	0.09	
20092.00	89.320	342.000	6137.14	13388.49	13542.17	-1778.15	1653191.09	14377173.57	39°35'28.1085"N	80°57'16.7610"W	13658.41	352.520	0.10	0.06	0.07	
20186.00	89.540	342.030	6138.08	13482.48	13631.57	-1807.17	1653162.08	14377262.94	39°35'28.9923"N	80°57'17.1312"W	13750.84	352.448	0.24	0.23	0.03	
20280.00	89.320	341.940	6139.01	13576.46	13720.96	-1836.24	1653133.02	14377352.29	39°35'29.8758"N	80°57'17.5019"W	13843.28	352.378	0.25	-0.23	-0.10	
20347.00	89.380	341.810	6139.77	13643.45	13784.63	-1857.08	1653112.18	14377415.93	39°35'30.5052"N	80°57'17.7677"W	13909.16	352.327	0.21	0.09	-0.19	
20372.00‡	89.380	341.810	6140.04	13668.45	13808.38	-1864.89	1653104.38	14377439.67	39°35'30.7400"N	80°57'17.8672"W	13933.74	352.308	0.00	0.00	0.00	Projected MD at TD: 20372'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = **7.16**

Reference: IADC/SPE 59196

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

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

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Actual Wellpath Report

Ocean Unit 2H AWP Proj: 20372'

REFERENCE WELLPATH IDENTIFICATION			
Operator	ANTERO RESOURCES CORPORATION	Well	Ocean Unit 2H
Field	Tyler	UWI	47-095-02950-0000
Facility	Shinn Pad	Wellbore	Ocean Unit 2H AWB
Slot	Slot N		

HOLE & CASING SECTIONS - Ref Wellbore: Ocean Unit 2H AWB Ref Wellpath: Ocean Unit 2H AWP Proj: 20372'

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	0.09	0.11
17 1/2in Open Hole	130.00	453.00	323.00	130.00	452.99	0.09	0.11	0.76	1.61
13 3/8in Casing Surface	30.00	434.00	404.00	30.00	434.00	0.00	0.00	0.57	1.34
12 1/4in Open Hole	453.00	3308.00	2855.00	452.99	3056.71	0.76	1.61	277.85	1074.81
9 5/8in Casing Intermediate	30.00	3278.00	3248.00	30.00	3029.94	0.00	0.00	275.21	1061.52
8 3/4in Open Hole	3308.00	6038.00	2730.00	3056.71	5506.98	277.85	1074.81	573.01	2239.69
8 1/2in Open Hole	6038.00	20372.00	14334.00	5506.98	6140.04	573.01	2239.69	13808.38	-1864.89
5 1/2in Casing Production	30.00	20352.00	20322.00	30.00	6139.83	0.00	0.00	13789.38	-1858.64

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Ocean Unit 2H BHL Rev-4	6076.14	13807.60	-1863.08	**1653106.19**	**14377438.89**	39°35'30.7322"N	80°57'17.8442"W	point
Ocean Unit 2H BHL Rev-2	6116.10	13970.03	-1918.65	**1653050.64**	**14377601.26**	39°35'32.3379"N	80°57'18.5530"W	point
Ocean Unit 2H BHL Rev-3	6117.00	13807.60	-1863.08	**1653106.19**	**14377438.89**	39°35'30.7322"N	80°57'17.8442"W	point
Ocean Unit 2H POE Rev-2	6143.00	1082.13	2395.83	**1657363.39**	**14364718.54**	39°33'24.9389"N	80°56'23.5513"W	point
Ocean Unit 2H POE Rev-1	6156.50	1082.13	2395.83	**1657363.39**	**14364718.54**	39°33'24.9389"N	80°56'23.5513"W	point
Ocean Unit 2H POE Rev-3	6167.00	1082.13	2395.83	**1657363.39**	**14364718.54**	39°33'24.9389"N	80°56'23.5513"W	point
Ocean Unit 2H AZI Rev-2	6183.32	1823.12	2236.91	**1657204.53**	**14365459.23**	39°33'32.2633"N	80°56'25.5740"W	point
Ocean Unit 2H LP Rev-2	6186.00	1327.50	2358.43	**1657326.00**	**14364963.81**	39°33'27.3642"N	80°56'24.0267"W	point

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TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Ocean Unit 2H BHL Rev-1	6196.50	13970.03	-1918.65	**1653050.64**	**14377601.26**	39°35'32.3379"N	80°57'18.5530"W	point
Ocean Unit 2H AZI Rev-3	6208.74	1827.76	2235.33	**1657202.95**	**14365463.86**	39°33'32.3092"N	80°56'25.5942"W	point
Ocean Unit 2H LP Rev-3	6214.00	1341.78	2355.36	**1657322.93**	**14364978.08**	39°33'27.5053"N	80°56'24.0659"W	point
Ocean Unit 2H 50' L/R Hard Line	6500.00	7815.36	186.92	1655155.36	14371449.06	39°34'31.4987"N	80°56'51.7029"W	rectangle
	2D Rectangle: 12666.6 x 100.							

REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Ocean Unit 2H**
Field	**Tyler**	UWI	**47-095-02950-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 2H AWB**
Slot	**Slot N**		

WELLPATH COMPOSITION - Ref Wellbore: Ocean Unit 2H AWB Ref Wellpath: Ocean Unit 2H AWP Proj: 20372'

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 2H AWB	2025-10-29
374.00	3219.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02_APS EM <12-1/4"> (374')(505'-3219')	Ocean Unit 2H AWB	2025-10-29
3219.00	5964.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03_APS EM <8-3/4"> (3219')(3317'-5964')	Ocean Unit 2H AWB	2025-12-18
5964.00	20372.00	BH AutoTrak Curve/eXpress (2019) (HRGM, X Short spacing)	04_BH Lucida (x-Short) <8-1/2"> (5964')(5994'-20347')	Ocean Unit 2H AWB	2025-12-18

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**ANTERO RESOURCES CORPORATION**	Well	**Ocean Unit 2H**
Field	**Tyler**	UWI	**47-095-02950-0000**
Facility	**Shinn Pad**	Wellbore	**Ocean Unit 2H AWB**
Slot	**Slot N**		

COMMENTS

Wellpath general comments
API: 47-095-02950-0000
BH Job #: 112868249
Rig: H&P 519
Duration: 12/22/2025-12/25/2025
Gyrodata MS Gyro <17-1/2"> (100'-374')
APS EM <12-1/4"> (374')(505'-3219')
APS EM <8-3/4"> (3219')(3317'-5964')
BH Lucida (x-Short) <8-1/2"> (5964')(5994'-20347')
Sycamore: 6573' MD
Middlesex: 6723' MD
Burkett: 6885' MD
Marcellus POE: 6956' MD
Projected MD at TD: 20372'

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