



ANTERO RESOURCES CORPORATION

Location: Tyler County, WV
Field: Tyler
Facility: Mary Patterson Pad

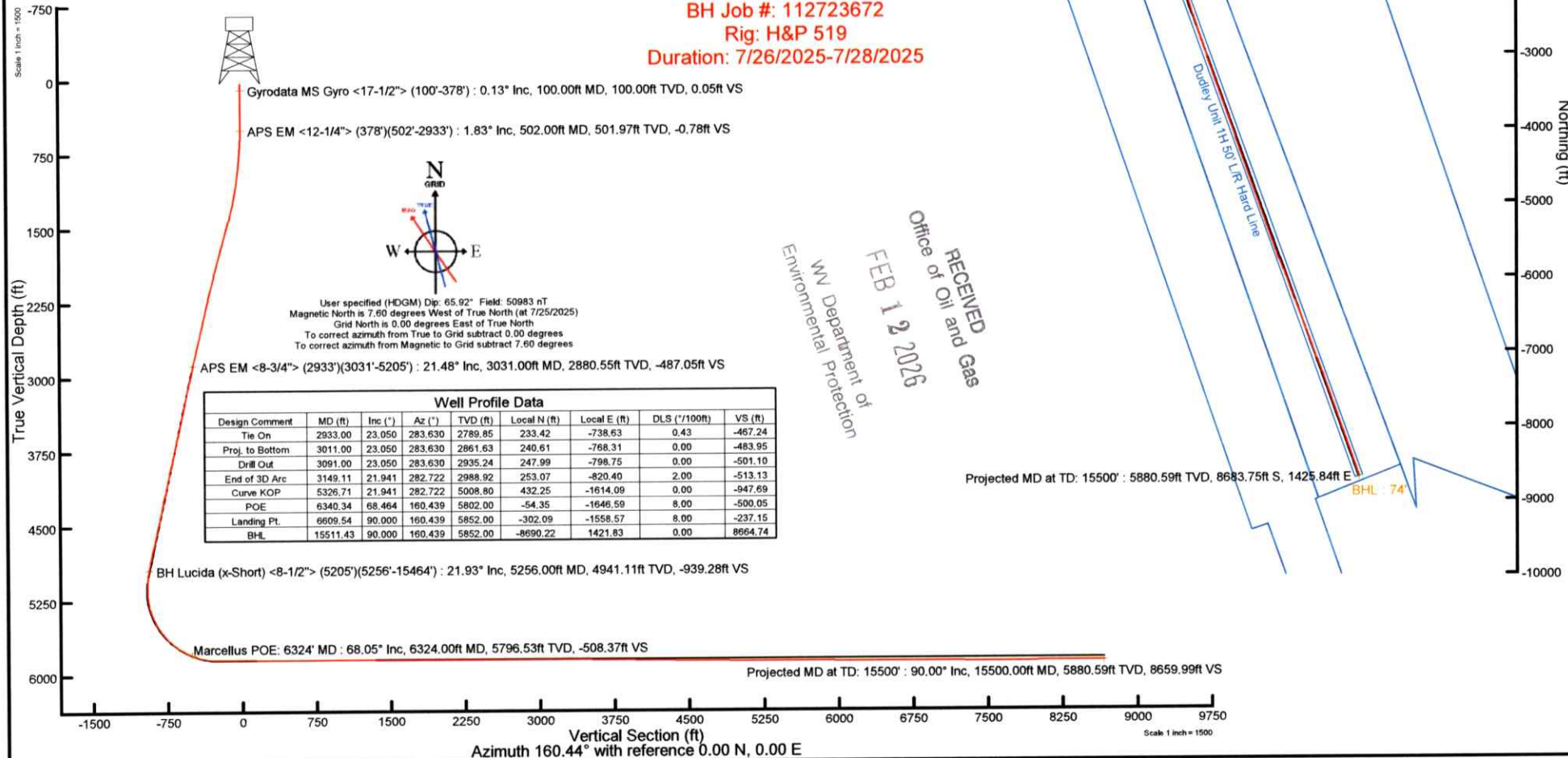
Slot: Slot B
Well: Dudley Unit 1H
Wellbore: Dudley Unit 1H PWB



Plot reference wellpath is Dudley Unit 1H PWB 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: 725 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot B): -695 feet	Depths are in feet
Other wellpath MDs are referenced to each path's default MD datum	Created by: schuyler on 2025-06-07, Database: WVA_MPL_EASTERNUS_Oils

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Mary Patterson Pad	1642231.080	14338160.810	39°29'2.4100"N	80°59'36.8500"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot B	7.08	13.33	1642244.400	14338167.890
Comment	Dudley Unit 1H			
H&P 519 (RKB) to Ground level (At Slot: Slot B)	30ft			
Mean Sea Level to Ground level (At Slot: Slot B)	-695ft			
H&P 519 (RKB) to Mean Sea Level	725ft			

Well Data			
Slot	Well	Wellbore	Wellpath
Slot B	Dudley Unit 1H	Dudley Unit 1H AWP	Dudley Unit 1H AWP Proj: 15500'
Slot B	Dudley Unit 1H	Dudley Unit 1H PWB	Dudley Unit 1H PWB Rev-B.0





Actual Wellpath Report

Dudley Unit 1H AWP Proj: 15500'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dudley Unit 1H
Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWB
Slot	Slot B		

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	8/7/2025 at 2:02:48 AM
Convergence at slot	0.00°	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	7.08	13.33	1642244.40	14338167.89	39°29'2.4800"N	80°59'36.6800"W
Facility Reference Pt			1642231.08	14338160.81	39°29'2.4100"N	80°59'36.8500"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	725.00ft
Horizontal Reference Pt	Slot	H&P 519 (RKB) to Mean Sea Level	725.00ft
Vertical Reference Pt	H&P 519 (RKB)	H&P 519 (RKB) to Ground Level at Slot (Slot B)	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	160.44°

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Dudley Unit 1H AWP Proj: 15500'
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Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (171 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	207.870	0.00	0.00	0.00	0.00	1642244.40	14338167.89	39°29'2.4800"N	80°59'36.6800"W	0.00	0.000	0.00	0.00	0.00	
30.00	0.000	207.870	30.00	0.00	0.00	0.00	1642244.40	14338167.89	39°29'2.4800"N	80°59'36.6800"W	0.00	0.000	0.00	0.00	0.00	
100.00	0.130	207.870	100.00	0.05	-0.07	-0.04	1642244.36	14338167.82	39°29'2.4793"N	80°59'36.6805"W	0.08	207.870	0.19	0.19	0.00	Gyrodata MS Gyro <17-1/2"> (100'-378')
200.00	0.200	238.560	200.00	0.17	-0.26	-0.24	1642244.16	14338167.63	39°29'2.4775"N	80°59'36.6831"W	0.35	222.431	0.11	0.07	30.69	
300.00	0.120	241.820	300.00	0.22	-0.40	-0.48	1642243.92	14338167.49	39°29'2.4761"N	80°59'36.6862"W	0.63	230.069	0.08	-0.08	3.26	
378.00	0.290	258.170	378.00	0.20	-0.48	-0.75	1642243.65	14338167.41	39°29'2.4753"N	80°59'36.6895"W	0.89	237.166	0.23	0.22	20.96	
502.00	1.830	278.930	501.97	-0.78	-0.24	-3.01	1642241.39	14338167.65	39°29'2.4777"N	80°59'36.7184"W	3.02	265.476	1.26	1.24	16.74	APS EM <12-1/4"> (378')(502'-2933')
591.00	4.550	283.040	590.83	-3.36	0.78	-7.85	1642236.55	14338168.67	39°29'2.4877"N	80°59'36.7802"W	7.89	275.667	3.07	3.06	4.62	
681.00	6.460	284.210	680.41	-8.10	2.83	-16.24	1642228.17	14338170.72	39°29'2.5080"N	80°59'36.8871"W	16.48	279.878	2.13	2.12	1.30	
771.00	7.820	285.830	769.71	-14.46	5.74	-27.04	1642217.37	14338173.63	39°29'2.5368"N	80°59'37.0249"W	27.64	281.987	1.53	1.51	1.80	
861.00	8.670	288.660	858.78	-22.20	9.58	-39.36	1642205.06	14338177.47	39°29'2.5748"N	80°59'37.1820"W	40.51	283.683	1.05	0.94	3.14	
951.00	10.140	291.960	947.57	-31.65	14.71	-53.13	1642191.29	14338182.60	39°29'2.6255"N	80°59'37.3576"W	55.13	285.480	1.74	1.63	3.67	
1041.00	12.140	292.790	1035.87	-43.28	21.34	-69.21	1642175.22	14338189.23	39°29'2.6910"N	80°59'37.5626"W	72.42	287.141	2.23	2.22	0.92	
1136.00	14.780	290.890	1128.25	-57.88	29.54	-89.74	1642154.70	14338197.41	39°29'2.7720"N	80°59'37.8245"W	94.48	288.218	2.82	2.78	-2.00	
1230.00	17.000	290.170	1218.65	-74.44	38.55	-113.84	1642130.60	14338206.42	39°29'2.8611"N	80°59'38.1319"W	120.19	288.707	2.37	2.36	-0.77	
1325.00	19.610	290.860	1308.84	-93.66	49.02	-141.78	1642102.68	14338216.89	39°29'2.9646"N	80°59'38.4882"W	150.02	289.072	2.76	2.75	0.73	
1420.00	22.340	291.840	1397.53	-115.94	61.41	-173.44	1642071.03	14338229.28	39°29'3.0871"N	80°59'38.8920"W	183.99	289.498	2.90	2.87	1.03	
1514.00	22.920	291.740	1484.30	-139.83	74.84	-207.03	1642037.46	14338242.70	39°29'3.2198"N	80°59'39.3204"W	220.14	289.875	0.62	0.62	-0.11	
1609.00	22.900	291.420	1571.80	-164.16	88.44	-241.42	1642003.08	14338256.30	39°29'3.3543"N	80°59'39.7590"W	257.11	290.120	0.13	-0.02	-0.34	
1704.00	22.790	291.440	1659.35	-188.35	101.92	-275.75	1641968.76	14338269.77	39°29'3.4875"N	80°59'40.1968"W	293.98	290.284	0.12	-0.12	0.02	
1798.00	22.660	290.540	1746.05	-211.96	114.92	-309.65	1641934.87	14338282.77	39°29'3.6161"N	80°59'40.6292"W	330.29	290.362	0.39	-0.14	-0.96	
1893.00	22.380	289.780	1833.81	-235.21	127.47	-343.81	1641900.73	14338295.30	39°29'3.7400"N	80°59'41.0648"W	366.68	290.342	0.43	-0.29	-0.80	
1987.00	22.630	289.760	1920.65	-258.02	139.64	-377.67	1641866.89	14338307.47	39°29'3.8603"N	80°59'41.4966"W	402.65	290.291	0.27	0.27	-0.02	
2082.00	22.200	287.930	2008.47	-280.52	151.34	-411.94	1641832.62	14338319.17	39°29'3.9760"N	80°59'41.9338"W	438.86	290.172	0.86	-0.45	-1.93	
2176.00	22.540	288.220	2095.40	-302.37	162.44	-445.95	1641798.63	14338330.26	39°29'4.0858"N	80°59'42.3675"W	474.62	290.014	0.38	0.36	0.31	
2271.00	23.500	285.410	2182.84	-324.38	173.17	-481.51	1641763.08	14338340.99	39°29'4.1918"N	80°59'42.8210"W	511.70	289.780	1.54	1.01	-2.96	
2366.00	23.670	282.540	2269.90	-345.37	182.34	-518.39	1641726.22	14338350.16	39°29'4.2825"N	80°59'43.2913"W	549.52	289.379	1.22	0.18	-3.02	
2460.00	23.580	281.830	2356.03	-365.19	190.29	-555.21	1641689.42	14338358.11	39°29'4.3611"N	80°59'43.7609"W	586.91	288.919	0.32	-0.10	-0.76	
2555.00	23.100	281.340	2443.25	-384.66	197.85	-592.08	1641652.56	14338365.66	39°29'4.4358"N	80°59'44.2312"W	624.26	288.478	0.55	-0.51	-0.52	
2649.00	23.820	283.620	2529.48	-404.52	205.95	-628.61	1641616.05	14338373.75	39°29'4.5159"N	80°59'44.6970"W	661.48	288.140	1.23	0.77	2.43	

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Dudley Unit 1H AWP Proj: 15500'
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Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (171 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
2744.00	23.730	284.480	2616.42	-425.71	215.24	-665.76	1641578.91	14338383.05	39°29'4.6078"N	80°59'45.1709"W	699.69	287.916	0.38	-0.09	0.91	
2839.00	23.440	283.940	2703.49	-446.84	224.58	-702.60	1641542.08	14338392.38	39°29'4.7000"N	80°59'45.6408"W	737.62	287.726	0.38	-0.31	-0.57	
2933.00	23.050	283.630	2789.85	-467.24	233.42	-738.63	1641506.06	14338401.21	39°29'4.7874"N	80°59'46.1003"W	774.64	287.537	0.43	-0.41	-0.33	
3031.00	21.480	281.700	2880.55	-487.05	241.58	-774.85	1641469.86	14338409.37	39°29'4.8681"N	80°59'46.5622"W	811.64	287.316	1.77	-1.60	-1.97	APS EM <8-3/4"> (2933')(3031'-5205')
3125.00	21.900	283.850	2967.89	-505.64	249.26	-808.73	1641436.00	14338417.05	39°29'4.9441"N	80°59'46.9943"W	846.27	287.130	0.96	0.45	2.29	
3220.00	22.190	286.110	3055.95	-525.85	258.48	-843.16	1641401.58	14338426.27	39°29'5.0352"N	80°59'47.4335"W	881.89	287.044	0.94	0.31	2.38	
3314.00	21.480	283.050	3143.21	-545.48	267.29	-876.98	1641367.77	14338435.08	39°29'5.1223"N	80°59'47.8648"W	916.81	286.951	1.43	-0.76	-3.26	
3409.00	22.340	281.360	3231.35	-564.13	274.78	-911.63	1641333.14	14338442.56	39°29'5.1963"N	80°59'48.3067"W	952.14	286.774	1.12	0.91	-1.78	
3503.00	23.230	279.880	3318.01	-582.42	281.48	-947.41	1641297.37	14338449.26	39°29'5.2625"N	80°59'48.7630"W	988.34	286.547	1.13	0.95	-1.57	
3598.00	22.650	281.070	3405.50	-600.95	288.21	-983.82	1641260.98	14338455.98	39°29'5.3290"N	80°59'49.2274"W	1025.17	286.328	0.78	-0.61	1.25	
3692.00	22.360	282.880	3492.34	-619.76	295.67	-1019.01	1641225.80	14338463.44	39°29'5.4027"N	80°59'49.6762"W	1061.04	286.180	0.80	-0.31	1.93	
3787.00	22.910	283.570	3580.02	-639.56	304.03	-1054.60	1641190.22	14338471.80	39°29'5.4854"N	80°59'50.1301"W	1097.55	286.082	0.64	0.58	0.73	
3881.00	23.400	284.170	3666.45	-659.93	312.90	-1090.49	1641154.35	14338480.66	39°29'5.5731"N	80°59'50.5878"W	1134.49	286.010	0.58	0.52	0.64	
3976.00	22.890	279.500	3753.81	-679.38	320.56	-1127.00	1641117.85	14338488.33	39°29'5.6488"N	80°59'51.0535"W	1171.71	285.878	2.00	-0.54	-4.92	
4070.00	22.590	281.530	3840.50	-697.58	327.19	-1162.73	1641082.14	14338494.95	39°29'5.7143"N	80°59'51.5091"W	1207.88	285.717	0.89	-0.32	2.16	
4165.00	22.110	286.610	3928.38	-717.56	335.95	-1197.74	1641047.14	14338503.70	39°29'5.8009"N	80°59'51.9557"W	1243.96	285.668	2.09	-0.51	5.35	
4259.00	21.330	282.610	4015.71	-737.10	344.74	-1231.38	1641013.52	14338512.49	39°29'5.8878"N	80°59'52.3847"W	1278.72	285.640	1.78	-0.83	-4.26	
4354.00	21.760	280.560	4104.07	-755.14	351.74	-1265.55	1640979.36	14338519.49	39°29'5.9570"N	80°59'52.8205"W	1313.52	285.532	0.91	0.45	-2.16	
4448.00	22.530	286.300	4191.15	-774.43	359.99	-1299.97	1640944.95	14338527.73	39°29'6.0385"N	80°59'53.2595"W	1348.89	285.478	2.44	0.82	6.11	
4543.00	21.640	281.710	4279.18	-794.19	368.65	-1334.59	1640910.34	14338536.39	39°29'6.1242"N	80°59'53.7011"W	1384.57	285.442	2.04	-0.94	-4.83	
4637.00	21.940	281.950	4366.46	-812.36	375.80	-1368.74	1640876.21	14338543.54	39°29'6.1949"N	80°59'54.1367"W	1419.40	285.353	0.33	0.32	0.26	
4733.00	22.460	286.600	4455.35	-832.56	384.76	-1403.87	1640841.10	14338552.49	39°29'6.2834"N	80°59'54.5846"W	1455.64	285.327	1.91	0.54	4.84	
4827.00	21.280	282.570	4542.59	-852.23	393.60	-1437.73	1640807.25	14338561.33	39°29'6.3708"N	80°59'55.0165"W	1490.63	285.311	2.03	-1.26	-4.29	
4921.00	22.180	283.010	4629.91	-870.85	401.31	-1471.66	1640773.33	14338569.04	39°29'6.4469"N	80°59'55.4493"W	1525.40	285.253	0.97	0.96	0.47	
5016.00	22.470	286.840	4717.80	-891.28	410.60	-1506.51	1640738.49	14338578.33	39°29'6.5388"N	80°59'55.8938"W	1561.47	285.246	1.56	0.31	4.03	
5111.00	20.870	284.140	4806.08	-911.44	420.00	-1540.30	1640704.72	14338587.72	39°29'6.6317"N	80°59'56.3247"W	1596.54	285.252	1.98	-1.68	-2.84	
5205.00	21.510	281.790	4893.73	-929.70	427.61	-1573.41	1640671.62	14338595.33	39°29'6.7069"N	80°59'56.7469"W	1630.48	285.204	1.13	0.68	-2.50	
5256.00	21.930	280.100	4941.11	-939.28	431.19	-1591.94	1640653.10	14338598.91	39°29'6.7423"N	80°59'56.9833"W	1649.30	285.155	1.48	0.82	-3.31	BH Lucida (x-Short) <8-1/2"> (5205')(5256'-15464')
5327.00	18.590	271.240	5007.72	-949.86	433.76	-1616.32	1640628.73	14338601.48	39°29'6.7677"N	80°59'57.2942"W	1673.51	285.022	6.38	-4.70	-12.48	
5422.00	18.350	256.590	5097.88	-956.85	430.62	-1646.02	1640599.04	14338598.34	39°29'6.7367"N	80°59'57.6730"W	1701.41	284.661	4.88	-0.25	-15.42	

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Slot	Slot B		

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5516.00	18.470	235.660	5187.16	-954.63	418.78	-1672.74	1640572.34	14338586.50	39°29'6.6196"N	80°59'58.0138"W	1724.36	284.055	7.00	0.13	-22.27	
5611.00	18.400	213.390	5277.40	-941.74	397.74	-1693.44	1640551.64	14338565.47	39°29'6.4117"N	80°59'58.2778"W	1739.52	283.218	7.37	-0.07	-23.44	
5705.00	22.820	193.810	5365.47	-917.54	367.60	-1705.98	1640539.11	14338535.35	39°29'6.1138"N	80°59'58.4377"W	1745.13	282.160	8.65	4.70	-20.83	
5800.00	28.710	185.160	5451.01	-881.38	326.94	-1712.43	1640532.66	14338494.70	39°29'5.7119"N	80°59'58.5201"W	1743.36	280.809	7.34	6.20	-9.11	
5894.00	35.070	177.430	5530.82	-834.98	277.40	-1713.25	1640531.84	14338445.18	39°29'5.2224"N	80°59'58.5306"W	1735.57	279.197	8.03	6.77	-8.22	
5988.00†	42.233	173.922	5604.19	-778.35	218.93	-1708.69	1640536.40	14338386.73	39°29'4.6444"N	80°59'58.4724"W	1722.66	277.301	7.97	7.62	-3.73	Sycamore: 5988' MD
5989.00	42.310	173.890	5604.93	-777.70	218.26	-1708.62	1640536.47	14338386.06	39°29'4.6378"N	80°59'58.4715"W	1722.50	277.280	7.97	7.67	-3.19	
6083.00	49.190	169.390	5670.50	-711.69	151.74	-1698.69	1640546.40	14338319.57	39°29'3.9804"N	80°59'58.3448"W	1705.45	275.104	8.08	7.32	-4.79	
6133.00†	52.787	167.435	5701.97	-673.22	113.69	-1690.87	1640554.21	14338281.54	39°29'3.6043"N	80°59'58.2451"W	1694.69	273.847	7.81	7.19	-3.91	Middlesex: 6133' MD
6178.00	56.050	165.830	5728.15	-636.84	78.09	-1682.40	1640562.68	14338245.95	39°29'3.2525"N	80°59'58.1371"W	1684.21	272.658	7.81	7.25	-3.57	
6270.00†	63.554	163.064	5774.40	-557.59	1.58	-1661.03	1640584.04	14338169.47	39°29'2.4963"N	80°59'57.8645"W	1661.03	270.054	8.56	8.16	-3.01	Burkett: 6270' MD
6273.00	63.800	162.980	5775.73	-554.90	-1.00	-1660.24	1640584.83	14338166.90	39°29'2.4708"N	80°59'57.8545"W	1660.24	269.966	8.56	8.19	-2.79	
6324.00†	68.054	161.768	5796.53	-508.37	-45.36	-1646.14	1640598.92	14338122.55	39°29'2.0324"N	80°59'57.6746"W	1646.76	268.422	8.62	8.34	-2.38	Marcellus POE: 6324' MD
6368.00	71.730	160.780	5811.65	-467.07	-84.48	-1632.87	1640612.18	14338083.44	39°29'1.6457"N	80°59'57.5054"W	1635.06	267.038	8.62	8.36	-2.25	
6462.00	80.070	160.380	5834.53	-375.98	-170.38	-1602.58	1640642.46	14337997.57	39°29'0.7967"N	80°59'57.1191"W	1611.61	263.931	8.88	8.87	-0.43	
6557.00	87.910	160.020	5844.47	-281.58	-259.21	-1570.60	1640674.43	14337908.79	39°28'59.9188"N	80°59'56.7112"W	1591.85	260.629	8.26	8.25	-0.38	
6652.00	90.090	160.400	5846.13	-186.60	-348.58	-1538.44	1640706.58	14337819.45	39°28'59.0355"N	80°59'56.3011"W	1577.44	257.234	2.33	2.29	0.40	
6746.00	89.940	160.130	5846.11	-92.60	-437.06	-1506.70	1640738.30	14337731.01	39°28'58.1611"N	80°59'55.8963"W	1568.81	253.824	0.33	-0.16	-0.29	
6841.00	89.600	160.020	5846.49	2.40	-526.37	-1474.33	1640770.67	14337641.73	39°28'57.2784"N	80°59'55.4834"W	1565.47	250.352	0.38	-0.36	-0.12	
6936.00	89.600	160.150	5847.15	97.39	-615.69	-1441.97	1640803.01	14337552.45	39°28'56.3956"N	80°59'55.0708"W	1567.91	246.879	0.14	0.00	0.14	
7031.00	89.880	159.960	5847.58	192.39	-704.99	-1409.56	1640835.40	14337463.19	39°28'55.5130"N	80°59'54.6575"W	1576.03	243.428	0.36	0.29	-0.20	
7126.00	89.690	159.300	5847.94	287.38	-794.04	-1376.50	1640868.46	14337374.17	39°28'54.6328"N	80°59'54.2358"W	1589.10	240.021	0.72	-0.20	-0.69	
7221.00	89.940	159.450	5848.25	382.36	-882.95	-1343.03	1640901.91	14337285.29	39°28'53.7541"N	80°59'53.8090"W	1607.28	236.678	0.31	0.26	0.16	
7315.00	89.720	158.790	5848.52	476.34	-970.78	-1309.53	1640935.40	14337197.50	39°28'52.8860"N	80°59'53.3818"W	1630.12	233.450	0.74	-0.23	-0.70	
7410.00	89.820	160.090	5848.91	571.32	-1059.73	-1276.17	1640968.75	14337108.59	39°28'52.0069"N	80°59'52.9563"W	1658.80	230.294	1.37	0.11	1.37	
7505.00	89.720	159.840	5849.29	666.31	-1148.98	-1243.62	1641001.28	14337019.37	39°28'51.1248"N	80°59'52.5413"W	1693.15	227.265	0.28	-0.11	-0.26	
7600.00	89.720	159.660	5849.75	761.31	-1238.10	-1210.74	1641034.15	14336930.28	39°28'50.2439"N	80°59'52.1220"W	1731.70	224.360	0.19	0.00	-0.19	
7695.00	89.600	159.380	5850.32	856.29	-1327.10	-1177.50	1641067.37	14336841.33	39°28'49.3644"N	80°59'51.6981"W	1774.18	221.582	0.32	-0.13	-0.29	
7790.00	89.570	157.440	5851.00	951.23	-1415.43	-1142.55	1641102.31	14336753.03	39°28'48.4914"N	80°59'51.2524"W	1819.02	218.911	2.04	-0.03	-2.04	
7885.00	89.660	157.500	5851.64	1046.10	-1503.17	-1106.15	1641138.70	14336665.32	39°28'47.6241"N	80°59'50.7882"W	1866.31	216.348	0.11	0.09	0.06	

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Actual Wellpath Report

Dudley Unit 1H AWP Proj: 15500'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dudley Unit 1H
Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWB
Slot	Slot B		

WELLPATH DATA (171 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
7979.00	89.910	159.900	5851.99	1140.04	-1590.75	-1072.01	1641172.82	14336577.78	39°28'46.7586"N	80°59'50.3528"W	1918.25	213.976	2.57	0.27	2.55	
8074.00	90.000	160.440	5852.07	1235.04	-1680.11	-1039.78	1641205.04	14336488.45	39°28'45.8754"N	80°59'49.9419"W	1975.83	211.752	0.58	0.09	0.57	
8168.00	89.600	161.690	5852.40	1329.04	-1769.02	-1009.28	1641235.53	14336399.58	39°28'44.9966"N	80°59'49.5529"W	2036.68	209.706	1.40	-0.43	1.33	
8263.00	89.630	161.680	5853.04	1424.01	-1859.21	-979.43	1641265.37	14336309.43	39°28'44.1053"N	80°59'49.1722"W	2101.41	207.780	0.03	0.03	-0.01	
8357.00	89.540	161.870	5853.72	1517.98	-1948.49	-950.03	1641294.75	14336220.18	39°28'43.2228"N	80°59'48.7974"W	2167.76	205.993	0.22	-0.10	0.20	
8452.00	90.060	162.580	5854.05	1612.94	-2038.95	-921.03	1641323.74	14336129.76	39°28'42.3287"N	80°59'48.4276"W	2237.33	204.309	0.93	0.55	0.75	
8546.00	90.060	161.760	5853.95	1706.89	-2128.44	-892.24	1641352.51	14336040.31	39°28'41.4443"N	80°59'48.0606"W	2307.89	202.744	0.87	0.00	-0.87	
8641.00	90.030	161.430	5853.87	1801.87	-2218.58	-862.25	1641382.50	14335950.20	39°28'40.5534"N	80°59'47.6781"W	2380.25	201.239	0.35	-0.03	-0.35	
8735.00	89.910	161.550	5853.92	1895.86	-2307.72	-832.41	1641412.33	14335861.10	39°28'39.6724"N	80°59'47.2976"W	2453.25	199.835	0.18	-0.13	0.13	
8830.00	90.310	162.070	5853.74	1990.83	-2397.97	-802.75	1641441.97	14335770.89	39°28'38.7804"N	80°59'46.9194"W	2528.77	198.509	0.69	0.42	0.55	
8924.00	90.090	161.970	5853.41	2084.79	-2487.38	-773.74	1641470.98	14335681.51	39°28'37.8967"N	80°59'46.5494"W	2604.94	197.279	0.26	-0.23	-0.11	
9019.00	89.780	162.010	5853.52	2179.76	-2577.72	-744.36	1641500.34	14335591.20	39°28'37.0038"N	80°59'46.1749"W	2683.04	196.107	0.33	-0.33	0.04	
9113.00	89.820	161.080	5853.85	2273.74	-2666.89	-714.61	1641530.08	14335502.08	39°28'36.1226"N	80°59'45.7955"W	2760.97	195.000	0.99	0.04	-0.99	
9208.00	89.750	161.700	5854.21	2368.72	-2756.92	-684.29	1641560.38	14335412.08	39°28'35.2327"N	80°59'45.4089"W	2840.57	193.940	0.66	-0.07	0.65	
9302.00	89.660	161.140	5854.69	2462.71	-2846.02	-654.34	1641590.32	14335323.02	39°28'34.3521"N	80°59'45.0270"W	2920.27	192.948	0.60	-0.10	-0.60	
9397.00	89.910	161.740	5855.05	2557.69	-2936.07	-624.10	1641620.55	14335233.00	39°28'33.4620"N	80°59'44.6415"W	3001.67	192.000	0.68	0.26	0.63	
9492.00	89.780	161.830	5855.30	2652.67	-3026.31	-594.41	1641650.23	14335142.79	39°28'32.5701"N	80°59'44.2629"W	3084.14	191.112	0.17	-0.14	0.09	
9587.00	89.910	160.770	5855.56	2747.65	-3116.30	-563.95	1641680.68	14335052.85	39°28'31.6808"N	80°59'43.8745"W	3166.91	190.258	1.12	0.14	-1.12	
9682.00	89.880	160.840	5855.73	2842.65	-3206.02	-532.72	1641711.90	14334963.16	39°28'30.7940"N	80°59'43.4763"W	3249.97	189.434	0.08	-0.03	0.07	
9776.00	89.850	160.780	5855.96	2936.65	-3294.79	-501.82	1641742.78	14334874.42	39°28'29.9166"N	80°59'43.0823"W	3332.79	188.660	0.07	-0.03	-0.06	
9871.00	90.000	161.120	5856.08	3031.65	-3384.59	-470.81	1641773.78	14334784.66	39°28'29.0291"N	80°59'42.6870"W	3417.18	187.919	0.39	0.16	0.36	
9966.00	89.940	160.640	5856.13	3126.64	-3474.35	-439.69	1641804.88	14334694.94	39°28'28.1419"N	80°59'42.2902"W	3502.06	187.213	0.51	-0.06	-0.51	
10062.00	89.880	160.810	5856.28	3222.64	-3564.97	-408.00	1641836.56	14334604.36	39°28'27.2463"N	80°59'41.8862"W	3588.24	186.529	0.19	-0.06	0.18	
10157.00	89.820	160.640	5856.53	3317.64	-3654.64	-376.64	1641867.91	14334514.72	39°28'26.3600"N	80°59'41.4863"W	3674.00	185.884	0.19	-0.06	-0.18	
10252.00	89.880	160.960	5856.78	3412.64	-3744.36	-345.40	1641899.14	14334425.04	39°28'25.4733"N	80°59'41.0880"W	3760.25	185.270	0.34	0.06	0.34	
10347.00	89.450	161.070	5857.33	3507.63	-3834.19	-314.50	1641930.03	14334335.24	39°28'24.5854"N	80°59'40.6940"W	3847.06	184.689	0.47	-0.45	0.12	
10442.00	89.510	161.020	5858.20	3602.62	-3924.03	-283.64	1641960.87	14334245.44	39°28'23.6975"N	80°59'40.3006"W	3934.27	184.134	0.08	0.06	-0.05	
10537.00	89.480	161.070	5859.03	3697.61	-4013.88	-252.78	1641991.72	14334155.63	39°28'22.8095"N	80°59'39.9071"W	4021.83	183.604	0.06	-0.03	0.05	
10632.00	89.260	160.920	5860.08	3792.60	-4103.69	-221.85	1642022.64	14334065.85	39°28'21.9217"N	80°59'39.5127"W	4109.69	183.094	0.28	-0.23	-0.16	
10727.00	89.200	160.940	5861.35	3887.59	-4193.47	-190.81	1642053.67	14333976.10	39°28'21.0344"N	80°59'39.1170"W	4197.81	182.605	0.07	-0.06	0.02	

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Actual Wellpath Report

Dudley Unit 1H AWP Proj: 15500'
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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dudley Unit 1H
Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWP
Slot	Slot B		

WELLPATH DATA (171 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
10821.00	89.290	161.020	5862.59	3981.58	-4282.33	-160.18	1642084.28	14333887.28	39°28'20.1562"N	80°59'38.7265"W	4285.33	182.142	0.13	0.10	0.09	
10916.00	89.140	160.700	5863.89	4076.57	-4372.07	-129.03	1642115.42	14333797.58	39°28'19.2692"N	80°59'38.3294"W	4373.98	181.690	0.37	-0.16	-0.34	
11011.00	89.290	160.830	5865.20	4171.56	-4461.76	-97.74	1642146.70	14333707.92	39°28'18.3828"N	80°59'37.9305"W	4462.83	181.255	0.21	0.16	0.14	
11106.00	89.350	160.780	5866.32	4266.55	-4551.47	-66.51	1642177.92	14333618.25	39°28'17.4961"N	80°59'37.5323"W	4551.96	180.837	0.08	0.06	-0.05	
11201.00	89.140	160.380	5867.58	4361.54	-4641.06	-34.92	1642209.49	14333528.70	39°28'16.6106"N	80°59'37.1296"W	4641.19	180.431	0.48	-0.22	-0.42	
11296.00	89.260	160.730	5868.90	4456.53	-4730.63	-3.30	1642241.10	14333439.16	39°28'15.7253"N	80°59'36.7265"W	4730.63	180.040	0.39	0.13	0.37	
11391.00	89.660	160.830	5869.80	4551.52	-4820.33	27.97	1642272.36	14333349.50	39°28'14.8387"N	80°59'36.3278"W	4820.41	179.668	0.43	0.42	0.11	
11486.00	89.450	160.160	5870.54	4646.52	-4909.88	59.69	1642304.07	14333259.99	39°28'13.9537"N	80°59'35.9234"W	4910.24	179.303	0.74	-0.22	-0.71	
11581.00	89.630	160.820	5871.30	4741.52	-4999.42	91.42	1642335.78	14333170.48	39°28'13.0687"N	80°59'35.5189"W	5000.25	178.952	0.72	0.19	0.69	
11676.00	89.570	160.540	5871.96	4836.51	-5089.07	122.84	1642367.20	14333080.87	39°28'12.1827"N	80°59'35.1183"W	5090.55	178.617	0.30	-0.06	-0.29	
11770.00	89.690	160.650	5872.57	4930.51	-5177.73	154.07	1642398.41	14332992.25	39°28'11.3064"N	80°59'34.7201"W	5180.02	178.296	0.17	0.13	0.12	
11865.00	89.480	160.860	5873.26	5025.51	-5267.41	185.39	1642429.71	14332902.59	39°28'10.4199"N	80°59'34.3210"W	5270.68	177.984	0.31	-0.22	0.22	
11960.00	89.660	160.940	5873.97	5120.50	-5357.18	216.47	1642460.78	14332812.86	39°28'9.5327"N	80°59'33.9247"W	5361.55	177.686	0.21	0.19	0.08	
12054.00	89.690	160.790	5874.50	5214.50	-5445.99	247.28	1642491.58	14332724.09	39°28'8.6550"N	80°59'33.5319"W	5451.60	177.400	0.16	0.03	-0.16	
12149.00	89.970	160.660	5874.78	5309.49	-5535.66	278.64	1642522.93	14332634.45	39°28'7.7687"N	80°59'33.1321"W	5542.67	177.118	0.32	0.29	-0.14	
12244.00	89.940	160.600	5874.86	5404.49	-5625.28	310.15	1642554.43	14332544.87	39°28'6.8829"N	80°59'32.7304"W	5633.83	176.844	0.07	-0.03	-0.06	
12338.00	89.720	158.240	5875.14	5498.47	-5713.28	343.19	1642587.45	14332456.91	39°28'6.0131"N	80°59'32.3092"W	5723.58	176.562	2.52	-0.23	-2.51	
12433.00	89.910	156.120	5875.44	5593.31	-5800.84	380.03	1642624.28	14332369.39	39°28'5.1477"N	80°59'31.8396"W	5813.27	176.252	2.24	0.20	-2.23	
12528.00	89.750	159.650	5875.73	5688.20	-5888.83	415.79	1642660.03	14332281.42	39°28'4.2780"N	80°59'31.3837"W	5903.49	175.961	3.72	-0.17	3.72	
12622.00	89.600	159.880	5876.26	5782.19	-5977.03	448.30	1642692.52	14332193.26	39°28'3.4063"N	80°59'30.9693"W	5993.82	175.711	0.29	-0.16	0.24	
12717.00	89.690	159.740	5876.85	5877.19	-6066.19	481.09	1642725.30	14332104.14	39°28'2.5250"N	80°59'30.5513"W	6085.24	175.466	0.18	0.09	-0.15	
12811.00	89.570	159.630	5877.46	5971.18	-6154.34	513.73	1642757.92	14332016.02	39°28'1.6538"N	80°59'30.1353"W	6175.75	175.228	0.17	-0.13	-0.12	
12906.00	89.480	159.130	5878.24	6066.16	-6243.25	547.18	1642791.36	14331927.15	39°28'0.7750"N	80°59'29.7088"W	6267.19	174.991	0.53	-0.09	-0.53	
13001.00	89.540	159.650	5879.06	6161.14	-6332.17	580.62	1642824.79	14331838.27	39°27'59.8962"N	80°59'29.2826"W	6358.73	174.761	0.55	0.06	0.55	
13095.00	89.820	159.570	5879.58	6255.12	-6420.28	613.37	1642857.52	14331750.19	39°27'59.0253"N	80°59'28.8651"W	6449.51	174.543	0.31	0.30	-0.09	
13190.00	89.780	159.750	5879.91	6350.12	-6509.35	646.39	1642890.53	14331661.15	39°27'58.1449"N	80°59'28.4442"W	6541.37	174.329	0.19	-0.04	0.19	
13285.00	89.910	159.520	5880.17	6445.11	-6598.42	679.45	1642923.58	14331572.13	39°27'57.2647"N	80°59'28.0227"W	6633.30	174.121	0.28	0.14	-0.24	
13379.00	89.850	159.570	5880.37	6539.09	-6686.49	712.30	1642956.41	14331484.09	39°27'56.3942"N	80°59'27.6040"W	6724.32	173.919	0.08	-0.06	0.05	
13474.00	90.000	159.550	5880.49	6634.08	-6775.51	745.48	1642989.58	14331395.11	39°27'55.5143"N	80°59'27.1811"W	6816.39	173.721	0.16	0.16	-0.02	
13569.00	89.820	159.390	5880.64	6729.07	-6864.47	778.79	1643022.88	14331306.18	39°27'54.6350"N	80°59'26.7564"W	6908.51	173.527	0.25	-0.19	-0.17	

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Actual Wellpath Report

Dudley Unit 1H AWP Proj: 15500'

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANTERO RESOURCES CORPORATION	Well	Dudley Unit 1H
Field	Tyler	API	47-095-02929-0000
Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWP
Slot	Slot B		

WELLPATH DATA (171 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
13663.00	89.750	159.820	5880.99	6823.06	-6952.58	811.55	1643055.62	14331218.11	39°27'53.7642"N	80°59'26.3389"W	6999.78	173.342	0.46	-0.07	0.46	
13758.00	89.820	159.510	5881.35	6918.05	-7041.66	844.56	1643088.62	14331129.06	39°27'52.8837"N	80°59'25.9180"W	7092.12	173.161	0.33	0.07	-0.33	
13853.00	89.780	159.690	5881.68	7013.04	-7130.70	877.68	1643121.72	14331040.06	39°27'52.0037"N	80°59'25.4960"W	7184.51	172.983	0.19	-0.04	0.19	
13947.00	89.690	159.310	5882.11	7107.02	-7218.75	910.60	1643154.63	14330952.05	39°27'51.1334"N	80°59'25.0763"W	7275.95	172.810	0.42	-0.10	-0.40	
14042.00	90.000	160.780	5882.37	7202.02	-7308.04	943.02	1643187.04	14330862.79	39°27'50.2509"N	80°59'24.6631"W	7368.63	172.647	1.58	0.33	1.55	
14137.00	89.820	160.540	5882.52	7297.02	-7397.68	974.48	1643218.49	14330773.19	39°27'49.3649"N	80°59'24.2621"W	7461.58	172.496	0.32	-0.19	-0.25	
14231.00	89.780	160.450	5882.85	7391.02	-7486.28	1005.86	1643249.86	14330684.62	39°27'48.4892"N	80°59'23.8620"W	7553.55	172.348	0.10	-0.04	-0.10	
14326.00	89.780	160.610	5883.21	7486.02	-7575.85	1037.53	1643281.51	14330595.09	39°27'47.6039"N	80°59'23.4584"W	7646.57	172.202	0.17	0.00	0.17	
14421.00	89.880	160.790	5883.50	7581.01	-7665.51	1068.93	1643312.90	14330505.46	39°27'46.7177"N	80°59'23.0582"W	7739.68	172.062	0.22	0.11	0.19	
14516.00	89.750	160.810	5883.80	7676.01	-7755.23	1100.17	1643344.13	14330415.78	39°27'45.8310"N	80°59'22.6600"W	7832.87	171.926	0.14	-0.14	0.02	
14611.00	89.820	160.540	5884.16	7771.01	-7844.87	1131.61	1643375.55	14330326.17	39°27'44.9449"N	80°59'22.2593"W	7926.07	171.792	0.29	0.07	-0.28	
14706.00	90.490	160.840	5883.90	7866.01	-7934.53	1163.02	1643406.95	14330236.55	39°27'44.0588"N	80°59'21.8589"W	8019.31	171.661	0.77	0.71	0.32	
14801.00	90.800	160.770	5882.83	7961.00	-8024.24	1194.25	1643438.17	14330146.88	39°27'43.1721"N	80°59'21.4609"W	8112.62	171.535	0.33	0.33	-0.07	
14895.00	90.280	160.570	5881.95	8055.00	-8112.94	1225.37	1643469.27	14330058.22	39°27'42.2954"N	80°59'21.0643"W	8204.95	171.411	0.59	-0.55	-0.21	
14990.00	90.430	160.640	5881.36	8149.99	-8202.54	1256.91	1643500.81	14329968.64	39°27'41.4098"N	80°59'20.6622"W	8298.29	171.288	0.17	0.16	0.07	
15085.00	90.370	160.580	5880.69	8244.99	-8292.15	1288.45	1643532.33	14329879.07	39°27'40.5241"N	80°59'20.2603"W	8391.66	171.168	0.09	-0.06	-0.06	
15180.00	89.940	160.780	5880.44	8339.99	-8381.80	1319.88	1643563.75	14329789.46	39°27'39.6380"N	80°59'19.8597"W	8485.09	171.051	0.50	-0.45	0.21	
15275.00	89.940	160.770	5880.54	8434.99	-8471.50	1351.16	1643595.02	14329699.79	39°27'38.7514"N	80°59'19.4610"W	8578.58	170.938	0.01	0.00	-0.01	
15369.00	90.000	160.570	5880.59	8528.99	-8560.21	1382.28	1643626.12	14329611.13	39°27'37.8747"N	80°59'19.0645"W	8671.09	170.827	0.22	0.06	-0.21	
15464.00	90.000	160.580	5880.59	8623.99	-8649.80	1413.87	1643657.71	14329521.57	39°27'36.9892"N	80°59'18.6618"W	8764.59	170.717	0.01	0.00	0.01	
15500.00†	90.000	160.580	5880.59	8659.99	-8683.75	1425.84	1643669.67	14329487.63	39°27'36.6536"N	80°59'18.5092"W	8800.03	170.675	0.00	0.00	0.00	Projected MD at TD: 15500'

DIRECTIONAL DIFFICULTY INDEX

Directional Difficulty Index @ TD = 6.80		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

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Facility	Mary Patterson Pad	Wellbore	Dudley Unit 1H AWB
Slot	Slot B		

HOLE & CASING SECTIONS - Ref Wellbore: Dudley Unit 1H AWB Ref Wellpath: Dudley Unit 1H AWP Proj: 15500'

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	-0.13	-0.08
17.5in Open Hole	130.00	420.00	290.00	130.00	420.00	-0.13	-0.08	-0.48	-1.14
13.375in Casing Surface	30.00	400.00	370.00	30.00	400.00	0.00	0.00	-0.49	-0.91
12.25in Open Hole	420.00	3011.00	2591.00	420.00	2861.96	-0.48	-1.14	240.05	-767.64
9.625in Casing Intermediate	30.00	2981.00	2951.00	30.00	2834.15	0.00	0.00	237.63	-756.64
8.75in Open Hole	3011.00	5285.00	2274.00	2861.96	4968.14	240.05	-767.64	432.74	-1602.31
8.5in Open Hole	5285.00	15500.00	10215.00	4968.14	5880.59	432.74	-1602.31	-8683.75	1425.84
5.5in Casing Production	30.00	15480.00	15450.00	30.00	5880.59	0.00	0.00	-8664.89	1419.19

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Dudley Unit 1H POE Rev-3	5802.00	-54.35	-1646.59	1640598.47	14338113.56	39°29'1.9435"N	80°59'57.6804"W	point
Dudley Unit 1H BHL Rev-3	5852.00	-8690.22	1421.83	1643665.66	14329481.16	39°27'36.5896"N	80°59'18.5604"W	point
Dudley Unit 1H LP Rev-3	5852.00	-302.09	-1558.57	1640686.46	14337865.93	39°28'59.4950"N	80°59'56.5578"W	point
Dudley Unit 1H 50' L/R Hard Line	6000.00	-4372.29	-112.38	1642132.07	14333797.36	39°28'19.2670"N	80°59'38.1171"W	rectangle
2D Rectangle 9164.79 x 100.								

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Slot	Slot B		

WELLPATH COMPOSITION - Ref Wellbore: Dudley Unit 1H AWB Ref Wellpath: Dudley Unit 1H AWP Proj: 15500'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
30.00	378.00	Gyrodatta 2015 - GC+WIR+DPIPE	01 Gyrodatta MS Gyro <17-1/2"> (100'-378')	Dudley Unit 1H AWB	6/25/2025
378.00	2933.00	BH NaviTrak (2019) (Axial Corr+HRGM)	02 APS EM <12-1/4"> (378')(502'-2933')	Dudley Unit 1H AWB	6/25/2025
2933.00	5205.00	BH NaviTrak (2019) (Axial Corr+HRGM)	03 APS EM <8-3/4"> (2933')(3031'-5205')	Dudley Unit 1H AWB	7/25/2025
5205.00	15500.00	BH AutoTrak Curve/eXpress (2019) (HRGM, X Short spacing)	04 BH Lucida (x-Short) <8-1/2"> (5205')(5256'-15464')	Dudley Unit 1H AWB	7/25/2025

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Slot	Slot B		

COMMENTS

Wellpath general comments

API: 47-095-02929-0000

BH Job #: 112723672

Rig: H&P 519

Duration: 7/26/2025-7/28/2025

Gyrodata MS Gyro <17-1/2"> (100'-378')

APS EM <12-1/4"> (378')(502'-2933')

APS EM <8-3/4"> (2933')(3031'-5205')

BH Lucida (x-Short) <8-1/2"> (5205')(5256'-15464')

Sycamore: 5988' MD

Middlesex: 6133' MD

Burkett: 6270' MD

Marcellus POE: 6324' MD

Projected MD at TD: 15500'