



CNX GAS CO, LLC

Area: Monongalia County, WV
Field: Monongalia
Facility: WDTN-18 Pad
Slot: Slot G

Well: WDTN-18G-HSM
UWI: 47-061-02000-0000
Wellbore: WDTN-18G-HSM PWB
Wellpath: WDTN-18G-HSM PWP Rev-B.0



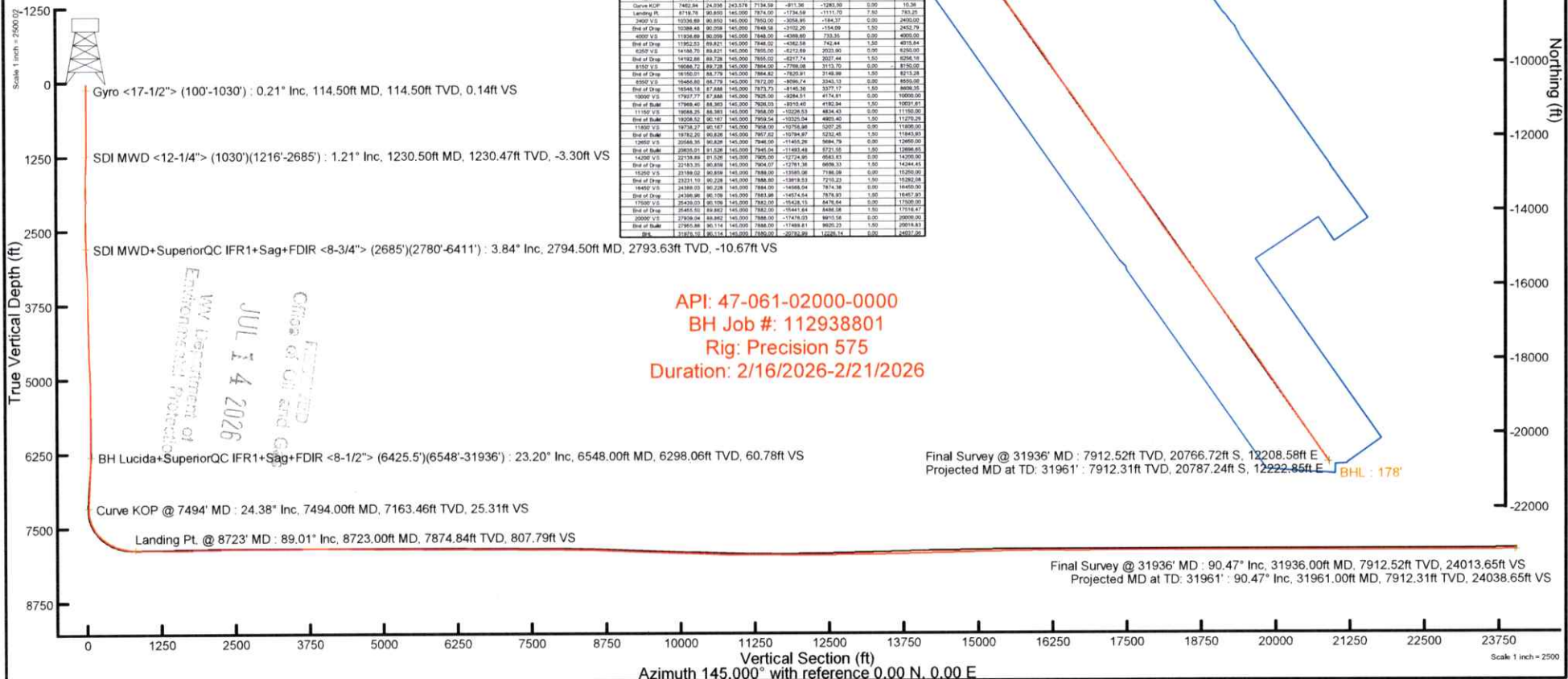
Plot reference wellpath is WDTN-18G-HSM PWP Rev-B.0	Grid System: NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet
True vertical depths are referenced to Precision 575 (RKB)	North Reference: Grid north
Reference wellbore measured depths are referenced to Precision 575 (RKB)	Scale: True distance
Precision 575 (RKB) to Mean Sea Level: 1227 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Mud line (At Slot: Slot G): -1199 feet	Depths are in feet
Offset wellbore MDs are referenced to each profile's default MD datum	Created by: editor on 2026-02-25, Database: WVA_MPL_EASTERNUS_Data

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
WDTN-18 Pad	1758359.150	434429.260	39°41'22.5131N	80°21'31.2000W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot G	334.15	24.21	1758383.360	434763.390
Precision 575 (RKB) to Mud line (At Slot: Slot G)	28 ft			
Mean Sea Level to Mud line (At Slot: Slot G)	-1199 ft			
Precision 575 (RKB) to Mean Sea Level	1227 ft			

Well Data

Slot	Well	Wellbore	Wellpath
Slot G	WDTN-18G-HSM	WDTN-18G-HSM AWB	WDTN-18G-HSM AWP Proj: 31961'
Slot G	WDTN-18G-HSM	WDTN-18G-HSM PWB	WDTN-18G-HSM PWP Rev-B.0





Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet [32050]	Software System	WellArchitect® 7.0.1
North Reference	Grid	Report Generated By	Edsaryar on 2026-02-25 at 12:28:46 PM
Scale	0.999941	Last Updated	2026-02-25
Convergence at slot	0.55° West	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	334.15	24.21	1758383.36	434763.39	39°41'25.8176"N	80°21'30.9312"W
Facility Reference Pt			1758359.15	434429.26	39°41'22.5131"N	80°21'31.2000"W
Field Reference Pt			609601.22	0.00	38°23'48.7532"N	84°21'9.7646"W

WELLPATH DATUM

Calculation method	Minimum curvature	Precision 575 (RKB) to Facility Vertical Datum	1227.00ft
Horizontal Reference Pt	Slot	Precision 575 (RKB) to Mean Sea Level	1227.00ft
Vertical Reference Pt	Precision 575 (RKB)	Precision 575 (RKB) to Mud Line at Slot (Slot G)	28.00ft
MD Reference Pt	Precision 575 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	145.000°

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WDTN-18G-HSM AWP Proj: 31961'

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Field	Monongalia	UVI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
0.00†	0.000	117.780	0.00	0.00	0.00	0.00	1758383.36	434763.39	39°41'25.8176"N	80°21'30.9312"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	117.780	28.00	0.00	0.00	0.00	1758383.36	434763.39	39°41'25.8176"N	80°21'30.9312"W	0.00	0.000	0.00	0.00	0.00
114.50	0.210	117.780	114.50	0.14	-0.07	0.14	1758383.50	434763.32	39°41'25.8169"N	80°21'30.9294"W	0.16	117.780	0.24	0.24	0.00
214.50	0.180	163.270	214.50	0.45	-0.31	0.35	1758383.71	434763.08	39°41'25.8146"N	80°21'30.9267"W	0.47	131.702	0.15	-0.03	45.49
314.50	0.050	202.940	314.50	0.63	-0.50	0.38	1758383.74	434762.89	39°41'25.8127"N	80°21'30.9263"W	0.63	143.089	0.15	-0.13	39.67
414.50	0.190	82.690	414.50	0.73	-0.52	0.52	1758383.88	434762.87	39°41'25.8125"N	80°21'30.9244"W	0.74	134.789	0.22	0.14	-120.25
514.50	0.150	96.040	514.50	0.89	-0.51	0.82	1758384.18	434762.88	39°41'25.8126"N	80°21'30.9206"W	0.96	122.051	0.06	-0.04	13.35
614.50	0.140	159.080	614.50	1.09	-0.64	0.99	1758384.35	434762.75	39°41'25.8114"N	80°21'30.9184"W	1.18	122.836	0.15	-0.01	63.04
714.50	0.340	349.670	714.50	0.94	-0.46	0.98	1758384.34	434762.93	39°41'25.8131"N	80°21'30.9185"W	1.09	115.203	0.48	0.20	-169.41
814.50	0.130	17.600	814.50	0.60	-0.06	0.96	1758384.32	434763.33	39°41'25.8171"N	80°21'30.9188"W	0.97	93.694	0.23	-0.21	27.93
914.50	0.270	9.380	914.50	0.37	0.28	1.04	1758384.40	434763.67	39°41'25.8205"N	80°21'30.9179"W	1.07	74.956	0.14	0.14	-8.22
1014.50	0.490	326.390	1014.49	-0.23	0.87	0.84	1758384.20	434764.26	39°41'25.8263"N	80°21'30.9206"W	1.21	44.013	0.35	0.22	-42.99
1044.50	0.520	324.520	1044.49	-0.49	1.08	0.69	1758384.05	434764.47	39°41'25.8284"N	80°21'30.9225"W	1.28	32.371	0.11	0.10	-6.23
1230.50	1.210	328.410	1230.47	-3.30	3.44	-0.83	1758382.53	434766.83	39°41'25.8516"N	80°21'30.9422"W	3.54	346.437	0.37	0.37	2.09
1274.50	1.310	334.970	1274.46	-4.26	4.30	-1.29	1758382.07	434767.69	39°41'25.8599"N	80°21'30.9482"W	4.49	343.321	0.40	0.23	14.91
1316.50	1.380	328.570	1316.45	-5.24	5.16	-1.75	1758381.61	434768.55	39°41'25.8685"N	80°21'30.9542"W	5.45	341.235	0.39	0.17	-15.24
1358.50	1.580	330.270	1358.43	-6.32	6.10	-2.30	1758381.06	434769.49	39°41'25.8776"N	80°21'30.9614"W	6.52	339.292	0.49	0.48	4.05
1399.50	1.760	340.230	1399.42	-7.49	7.18	-2.80	1758380.56	434770.57	39°41'25.8883"N	80°21'30.9678"W	7.71	338.710	0.83	0.44	24.29
1443.50	2.120	334.650	1443.39	-8.94	8.55	-3.38	1758379.98	434771.94	39°41'25.9018"N	80°21'30.9754"W	9.19	338.462	0.92	0.82	-12.68
1487.50	2.270	337.150	1487.36	-10.60	10.09	-4.06	1758379.30	434773.48	39°41'25.9169"N	80°21'30.9844"W	10.88	338.072	0.40	0.34	5.68
1531.50	2.000	310.180	1531.33	-12.19	11.39	-4.99	1758378.37	434774.78	39°41'25.9297"N	80°21'30.9963"W	12.43	336.352	2.34	-0.61	-61.30
1575.50	1.750	283.670	1575.31	-13.44	12.04	-6.23	1758377.13	434775.43	39°41'25.9360"N	80°21'31.0123"W	13.56	332.660	2.03	-0.57	-60.25
1618.50	2.110	270.340	1618.28	-14.39	12.20	-7.66	1758375.70	434775.59	39°41'25.9375"N	80°21'31.0306"W	14.41	327.896	1.33	0.84	-31.00
1661.50	2.510	261.690	1661.25	-15.27	12.07	-9.38	1758373.98	434775.46	39°41'25.9360"N	80°21'31.0526"W	15.29	322.153	1.23	0.93	-20.12
1747.50	1.510	218.260	1747.20	-15.79	10.91	-11.94	1758371.42	434774.30	39°41'25.9243"N	80°21'31.0853"W	16.18	312.407	2.04	-1.16	-50.50
1833.50	1.940	196.750	1833.16	-14.56	8.63	-13.07	1758370.30	434772.02	39°41'25.9016"N	80°21'31.0993"W	15.66	303.432	0.90	0.50	-25.01
1920.50	1.510	197.320	1920.12	-12.95	6.12	-13.83	1758369.53	434769.51	39°41'25.8768"N	80°21'31.1088"W	15.13	293.873	0.49	-0.49	0.66
2007.50	0.430	37.540	2007.11	-12.34	5.29	-13.97	1758369.39	434768.68	39°41'25.8685"N	80°21'31.1106"W	14.94	290.720	2.21	-1.24	-183.66
2094.50	0.900	18.570	2094.11	-12.85	6.19	-13.56	1758369.80	434769.58	39°41'25.8775"N	80°21'31.1053"W	14.90	294.549	0.59	0.54	-21.80
2181.50	1.450	28.210	2181.09	-13.75	7.81	-12.82	1758370.54	434771.20	39°41'25.8936"N	80°21'31.0961"W	15.01	301.352	0.67	0.63	11.08



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Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UVI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
2269.50	1.940	24.010	2269.05	-15.02	10.15	-11.69	1758371.67	434773.54	39°41'25.9168"N	80°21'31.0819"W	15.48	310.979	0.57	0.56	-4.77
2356.50	1.770	35.530	2356.00	-16.23	12.59	-10.31	1758373.05	434775.98	39°41'25.9411"N	80°21'31.0645"W	16.27	320.696	0.47	-0.20	13.24
2442.50	1.290	88.120	2441.98	-16.14	13.70	-8.57	1758374.79	434777.09	39°41'25.9522"N	80°21'31.0424"W	16.16	327.986	1.65	-0.56	61.15
2527.50	1.660	93.150	2526.95	-14.86	13.67	-6.38	1758376.98	434777.06	39°41'25.9521"N	80°21'31.0145"W	15.08	334.970	0.46	0.44	5.92
2612.50	2.390	81.930	2611.90	-13.29	13.85	-3.40	1758379.96	434777.24	39°41'25.9541"N	80°21'30.9763"W	14.26	346.214	0.97	0.86	-13.20
2699.50	2.970	71.520	2698.80	-11.83	14.82	0.54	1758383.90	434778.21	39°41'25.9641"N	80°21'30.9261"W	14.83	2.072	0.87	0.67	-11.97
2794.50	3.840	63.380	2793.63	-10.67	17.02	5.71	1758389.07	434780.41	39°41'25.9864"N	80°21'30.8602"W	17.96	18.556	1.05	0.92	-8.57
2881.50	3.940	69.150	2880.43	-9.51	19.39	11.11	1758394.47	434782.78	39°41'26.0103"N	80°21'30.7914"W	22.35	29.813	0.46	0.11	6.63
2966.50	3.710	92.690	2965.25	-7.12	20.30	16.59	1758399.95	434783.69	39°41'26.0198"N	80°21'30.7215"W	26.22	39.251	1.85	-0.27	27.69
3055.50	4.600	130.190	3054.03	-1.90	17.86	22.19	1758405.55	434781.25	39°41'25.9962"N	80°21'30.6495"W	28.49	51.167	3.14	1.00	42.13
3140.50	4.870	167.860	3138.76	4.72	12.14	25.56	1758408.91	434775.52	39°41'25.9399"N	80°21'30.6058"W	28.29	64.599	3.61	0.32	44.32
3228.50	5.600	204.140	3226.41	10.36	4.56	24.58	1758407.94	434767.95	39°41'25.8650"N	80°21'30.6173"W	25.00	79.485	3.78	0.83	41.23
3313.50	8.050	219.290	3310.81	14.10	-3.83	19.12	1758402.48	434759.56	39°41'25.7816"N	80°21'30.6862"W	19.50	101.327	3.55	2.88	17.82
3399.50	10.700	228.050	3395.66	16.70	-13.83	9.37	1758392.72	434749.56	39°41'25.6818"N	80°21'30.8097"W	16.70	145.894	3.49	3.08	10.19
3486.50	13.280	234.160	3480.76	17.82	-25.08	-4.74	1758378.62	434738.31	39°41'25.5693"N	80°21'30.9888"W	25.53	190.712	3.30	2.97	7.02
3572.50	15.130	231.310	3564.13	18.69	-37.88	-21.51	1758361.85	434725.51	39°41'25.4412"N	80°21'31.2017"W	43.56	209.593	2.30	2.15	-3.31
3660.50	17.690	234.200	3648.54	19.62	-52.88	-41.33	1758342.04	434710.51	39°41'25.2911"N	80°21'31.4533"W	67.12	218.005	3.05	2.91	3.28
3746.50	19.210	233.550	3730.11	20.16	-68.93	-63.31	1758320.06	434694.46	39°41'25.1304"N	80°21'31.7325"W	93.59	222.562	1.78	1.77	-0.76
3833.50	21.020	232.770	3811.80	21.13	-86.88	-87.24	1758296.12	434676.52	39°41'24.9508"N	80°21'32.0365"W	123.12	225.120	2.10	2.08	-0.90
4007.50	24.690	231.480	3972.12	24.57	-128.41	-140.54	1758242.83	434634.99	39°41'24.5353"N	80°21'32.7131"W	190.37	227.583	2.13	2.11	-0.74
4095.50	25.270	233.220	4051.89	26.29	-151.10	-169.97	1758213.40	434612.30	39°41'24.3083"N	80°21'33.0867"W	227.42	228.363	1.06	0.66	1.98
4182.50	25.270	232.360	4130.56	27.72	-173.56	-199.54	1758183.83	434589.84	39°41'24.0835"N	80°21'33.4623"W	264.46	228.984	0.42	0.00	-0.99
4268.50	25.460	233.530	4208.27	29.04	-195.76	-228.94	1758154.43	434567.65	39°41'23.8614"N	80°21'33.8357"W	301.22	229.468	0.62	0.22	1.36
4353.50	25.070	233.830	4285.14	29.87	-217.24	-258.17	1758125.20	434546.16	39°41'23.6463"N	80°21'34.2069"W	337.42	229.921	0.48	-0.46	0.35
4429.50	25.120	236.190	4353.97	29.87	-235.72	-284.58	1758098.80	434527.68	39°41'23.4611"N	80°21'34.5424"W	369.53	230.364	1.32	0.07	3.11
4515.50	24.610	234.430	4432.00	29.67	-256.30	-314.31	1758069.07	434507.11	39°41'23.2550"N	80°21'34.9202"W	405.56	230.805	1.05	-0.59	-2.05
4603.50	23.270	230.870	4512.43	31.10	-277.93	-342.70	1758040.68	434485.48	39°41'23.0386"N	80°21'35.2807"W	441.24	230.958	2.24	-1.52	-4.05
4690.50	22.520	229.230	4592.57	34.01	-299.65	-368.65	1758014.73	434463.75	39°41'22.8214"N	80°21'35.6099"W	475.08	230.894	1.13	-0.86	-1.89
4777.50	22.250	229.230	4673.02	37.34	-321.29	-393.74	1757989.64	434442.12	39°41'22.6052"N	80°21'35.9282"W	508.19	230.786	0.31	-0.31	0.00
4863.50	21.000	227.270	4752.96	41.05	-342.38	-417.39	1757965.99	434421.03	39°41'22.3945"N	80°21'36.2282"W	539.85	230.639	1.68	-1.45	-2.28

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Slot	Slot G		

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4950.50	21.870	226.730	4833.95	45.48	-364.07	-440.64	1757942.74	434399.35	39°41'22.1780"N	80°21'36.5229"W	571.59	230.436	1.03	1.00	-0.62
5036.50	23.980	230.500	4913.15	49.16	-386.16	-465.80	1757917.59	434377.25	39°41'21.9573"N	80°21'36.8419"W	605.05	230.340	2.99	2.45	4.38
5125.50	22.690	228.550	4994.87	52.51	-409.03	-492.62	1757890.77	434354.38	39°41'21.7287"N	80°21'37.1822"W	640.30	230.296	1.69	-1.45	-2.19
5210.50	23.560	233.710	5073.05	54.73	-429.94	-518.60	1757864.79	434333.47	39°41'21.5196"N	80°21'37.5120"W	673.65	230.340	2.59	1.02	6.07
5297.50	22.670	232.380	5153.07	55.89	-450.47	-545.90	1757837.49	434312.95	39°41'21.3142"N	80°21'37.8586"W	707.76	230.471	1.19	-1.02	-1.53
5385.50	22.370	233.070	5234.36	57.23	-470.88	-572.72	1757810.68	434292.54	39°41'21.1099"N	80°21'38.1992"W	741.44	230.573	0.45	-0.34	0.78
5473.50	22.130	233.350	5315.80	58.27	-490.84	-599.40	1757783.99	434272.58	39°41'20.9102"N	80°21'38.5380"W	774.73	230.687	0.30	-0.27	0.32
5559.50	22.480	233.520	5395.37	59.16	-510.28	-625.62	1757757.78	434253.14	39°41'20.7155"N	80°21'38.8710"W	807.33	230.798	0.41	0.41	0.20
5645.50	23.300	232.330	5474.60	60.38	-530.45	-652.30	1757731.10	434232.97	39°41'20.5137"N	80°21'39.2098"W	840.76	230.882	1.09	0.95	-1.38
5730.50	24.270	234.840	5552.38	61.21	-550.79	-679.89	1757703.51	434212.64	39°41'20.3101"N	80°21'39.5602"W	875.00	230.989	1.65	1.14	2.95
5818.50	25.400	235.960	5632.24	60.94	-571.77	-710.32	1757673.09	434191.66	39°41'20.0999"N	80°21'39.9468"W	911.85	231.168	1.39	1.28	1.27
5906.50	26.110	235.400	5711.50	60.49	-593.33	-741.90	1757641.51	434170.10	39°41'19.8838"N	80°21'40.3481"W	949.97	231.349	0.85	0.81	-0.64
5993.50	25.130	235.030	5789.94	60.35	-614.79	-772.79	1757610.61	434148.64	39°41'19.6688"N	80°21'40.7407"W	987.51	231.496	1.14	-1.13	-0.43
6081.50	24.350	235.410	5869.86	60.21	-635.80	-803.04	1757580.37	434127.63	39°41'19.4583"N	80°21'41.1250"W	1024.26	231.630	0.90	-0.89	0.43
6166.50	24.220	234.510	5947.34	60.23	-655.87	-831.66	1757551.75	434107.56	39°41'19.2573"N	80°21'41.4886"W	1059.16	231.740	0.46	-0.15	-1.06
6253.50	23.860	233.870	6026.80	60.73	-676.60	-860.40	1757523.01	434086.83	39°41'19.0496"N	80°21'41.8537"W	1094.57	231.819	0.51	-0.41	-0.74
6341.50	23.180	234.090	6107.49	61.36	-697.25	-888.81	1757494.61	434066.18	39°41'18.8428"N	80°21'42.2145"W	1129.66	231.886	0.78	-0.77	0.25
6425.50	22.130	233.220	6185.00	62.11	-716.42	-914.87	1757468.54	434047.01	39°41'18.6509"N	80°21'42.5455"W	1162.00	231.936	1.31	-1.25	-1.04
6548.00	23.200	239.880	6298.06	60.78	-742.35	-954.23	1757429.19	434021.08	39°41'18.3910"N	80°21'43.0458"W	1208.98	232.119	2.27	0.87	5.44
6643.00	23.890	240.440	6385.15	57.36	-761.23	-987.15	1757396.27	434002.20	39°41'18.2012"N	80°21'43.4645"W	1246.57	232.363	0.76	0.73	0.59
6738.00	23.910	240.460	6472.00	53.70	-780.21	-1020.63	1757362.79	433983.22	39°41'18.0105"N	80°21'43.8904"W	1284.69	232.604	0.02	0.02	0.02
6832.00	23.900	240.580	6557.94	50.04	-798.96	-1053.79	1757329.63	433964.48	39°41'17.8221"N	80°21'44.3123"W	1322.43	232.831	0.05	-0.01	0.13
6927.00	23.820	240.540	6644.82	46.32	-817.85	-1087.26	1757296.17	433945.59	39°41'17.6322"N	80°21'44.7380"W	1360.51	233.049	0.09	-0.08	-0.04
7021.00	23.960	240.430	6730.77	42.68	-836.60	-1120.38	1757263.04	433926.84	39°41'17.4438"N	80°21'45.1594"W	1398.27	233.251	0.16	0.15	-0.12
7116.00	23.910	240.540	6817.60	38.99	-855.59	-1153.92	1757229.51	433907.85	39°41'17.2529"N	80°21'45.5861"W	1436.51	233.445	0.07	-0.05	0.12
7211.00	23.710	240.540	6904.51	35.29	-874.45	-1187.32	1757196.12	433888.99	39°41'17.0634"N	80°21'46.0109"W	1474.58	233.629	0.21	-0.21	0.00
7305.00	23.630	240.410	6990.61	31.69	-893.05	-1220.15	1757163.28	433870.40	39°41'16.8764"N	80°21'46.4286"W	1512.05	233.799	0.10	-0.09	-0.14
7399.00	23.700	240.650	7076.70	28.05	-911.61	-1253.00	1757130.43	433851.83	39°41'16.6899"N	80°21'46.8465"W	1549.53	233.963	0.13	0.07	0.26
7494.00	24.380	237.520	7163.46	25.31	-931.50	-1286.19	1757097.25	433831.95	39°41'16.4902"N	80°21'47.2685"W	1588.07	234.087	1.52	0.72	-3.29
7588.00	24.890	221.580	7249.00	29.06	-956.74	-1315.71	1757067.73	433806.71	39°41'16.2379"N	80°21'47.6431"W	1626.79	233.977	7.07	0.54	-16.96



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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UVI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
7683.00	27.390	206.230	7334.38	44.23	-991.34	-1338.67	1757044.77	433772.11	39°41'15.8938"N	80°21'47.9324"W	1665.77	233.478	7.57	2.63	-16.16
7777.00	30.960	194.760	7416.51	70.29	-1034.17	-1354.40	1757029.04	433729.28	39°41'15.4691"N	80°21'48.1284"W	1704.09	232.636	7.04	3.80	-12.20
7872.00	35.700	185.380	7495.91	107.23	-1085.46	-1363.24	1757020.20	433678.00	39°41'14.9614"N	80°21'48.2351"W	1742.60	231.472	7.36	4.99	-9.87
7966.00	40.930	172.960	7569.75	155.43	-1143.45	-1362.03	1757021.41	433620.01	39°41'14.3884"N	80°21'48.2126"W	1778.37	229.986	9.88	5.56	-13.21
8061.00	47.610	165.700	7637.78	215.84	-1208.44	-1349.53	1757033.91	433555.02	39°41'13.7472"N	80°21'48.0447"W	1811.51	228.157	8.82	7.03	-7.64
8156.00	54.830	160.880	7697.26	286.12	-1279.25	-1328.11	1757055.33	433484.22	39°41'13.0496"N	80°21'47.7620"W	1844.00	226.074	8.56	7.60	-5.07
8250.00	59.890	158.660	7747.95	362.64	-1353.47	-1300.71	1757082.73	433410.00	39°41'12.3186"N	80°21'47.4024"W	1877.16	223.861	5.74	5.38	-2.36
8345.00	65.030	158.030	7791.86	444.58	-1431.73	-1269.63	1757113.81	433331.75	39°41'11.5482"N	80°21'46.9952"W	1913.59	221.566	5.44	5.41	-0.66
8439.00	71.160	154.640	7826.92	530.04	-1511.54	-1234.60	1757148.84	433251.95	39°41'10.7628"N	80°21'46.5373"W	1951.66	219.241	7.33	6.52	-3.61
8534.00	77.680	150.720	7852.43	620.67	-1592.75	-1192.58	1757190.85	433170.73	39°41'9.9642"N	80°21'45.9900"W	1989.75	216.824	7.93	6.86	-4.13
8628.00	82.990	146.870	7868.21	713.08	-1671.95	-1144.58	1757238.85	433091.54	39°41'9.1860"N	80°21'45.3663"W	2026.20	214.395	6.94	5.65	-4.10
8723.00	89.010	143.770	7874.84	807.79	-1749.84	-1090.68	1757292.75	433013.66	39°41'8.4215"N	80°21'44.6673"W	2061.92	211.935	7.12	6.34	-3.26
8817.00	88.700	143.780	7876.72	901.75	-1825.65	-1035.14	1757348.28	432937.85	39°41'7.6775"N	80°21'43.9477"W	2098.69	209.553	0.33	-0.33	0.01
8912.00	88.920	144.360	7878.69	996.72	-1902.56	-979.41	1757404.01	432860.95	39°41'6.9227"N	80°21'43.2254"W	2139.85	207.239	0.65	0.23	0.61
9007.00	90.580	143.690	7879.11	1091.70	-1979.44	-923.60	1757459.81	432784.07	39°41'6.1683"N	80°21'42.5022"W	2184.31	205.014	1.88	1.75	-0.71
9101.00	90.550	143.730	7878.18	1185.67	-2055.20	-867.97	1757515.44	432708.32	39°41'5.4248"N	80°21'41.7814"W	2230.97	202.896	0.05	-0.03	0.04
9196.00	90.300	142.400	7877.47	1280.61	-2131.13	-810.89	1757572.52	432632.39	39°41'4.6798"N	80°21'41.0420"W	2280.19	200.832	1.42	-0.26	-1.40
9291.00	90.460	141.400	7876.84	1375.47	-2205.89	-752.27	1757631.13	432557.64	39°41'3.9466"N	80°21'40.2831"W	2330.63	198.831	1.07	0.17	-1.05
9385.00	90.520	143.830	7876.04	1469.38	-2280.57	-695.20	1757688.20	432482.96	39°41'3.2139"N	80°21'39.5440"W	2384.18	196.953	2.59	0.06	2.59
9480.00	90.550	142.640	7875.15	1564.33	-2356.67	-638.35	1757745.05	432406.87	39°41'2.4673"N	80°21'38.8075"W	2441.59	195.156	1.25	0.03	-1.25
9574.00	90.640	143.230	7874.18	1658.26	-2431.67	-581.69	1757801.70	432331.87	39°41'1.7314"N	80°21'38.0737"W	2500.28	193.453	0.63	0.10	0.63
9668.00	90.890	144.680	7872.92	1752.24	-2507.67	-526.39	1757857.00	432255.88	39°41'0.9856"N	80°21'37.3571"W	2562.32	191.855	1.57	0.27	1.54
9763.00	91.170	145.590	7871.21	1847.22	-2585.60	-472.09	1757911.30	432177.95	39°41'0.2206"N	80°21'36.6531"W	2628.35	190.347	1.00	0.29	0.96
9858.00	90.920	144.750	7869.48	1942.20	-2663.57	-417.84	1757965.54	432099.98	39°40'59.4552"N	80°21'35.9497"W	2696.14	188.916	0.92	-0.26	-0.88
9952.00	90.890	145.170	7868.00	2036.19	-2740.52	-363.88	1758019.50	432023.04	39°40'58.6998"N	80°21'35.2501"W	2764.57	187.563	0.45	-0.03	0.45
10047.00	91.140	144.200	7866.31	2131.17	-2818.03	-308.97	1758074.41	431945.54	39°40'57.9390"N	80°21'34.5384"W	2834.91	186.257	1.05	0.26	-1.02
10141.00	91.200	145.560	7864.39	2225.15	-2894.89	-254.91	1758128.47	431868.67	39°40'57.1845"N	80°21'33.8375"W	2906.10	185.032	1.45	0.06	1.45
10236.00	90.800	145.000	7862.74	2320.13	-2972.97	-200.81	1758182.56	431790.60	39°40'56.4180"N	80°21'33.1360"W	2979.74	183.864	0.72	-0.42	-0.59
10330.00	90.950	146.380	7861.30	2414.11	-3050.60	-147.83	1758235.54	431712.97	39°40'55.6558"N	80°21'32.4490"W	3054.18	182.774	1.48	0.16	1.47
10425.00	90.520	146.220	7860.08	2509.08	-3129.63	-95.12	1758288.24	431633.95	39°40'54.8798"N	80°21'31.7652"W	3131.07	181.741	0.48	-0.45	-0.17

WV Department of
Environmental Protection

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Office of Oil and Gas



Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UVI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
10519.00	90.310	146.550	7859.40	2603.05	-3207.91	-43.09	1758340.28	431555.68	39°40'54.1111"N	80°21'31.0901"W	3208.20	180.770	0.42	-0.22	0.35
10614.00	90.000	145.810	7859.14	2698.03	-3286.83	9.79	1758393.15	431476.76	39°40'53.3361"N	80°21'30.4042"W	3286.85	179.829	0.84	-0.33	-0.78
10708.00	90.100	145.930	7859.06	2792.02	-3364.64	62.53	1758445.89	431398.95	39°40'52.5721"N	80°21'29.7202"W	3365.22	178.935	0.17	0.11	0.13
10803.00	90.250	146.860	7858.77	2886.99	-3443.76	115.11	1758498.46	431319.83	39°40'51.7952"N	80°21'29.0381"W	3445.69	178.086	0.99	0.16	0.98
10897.00	90.310	146.550	7858.31	2980.95	-3522.33	166.71	1758550.06	431241.27	39°40'51.0236"N	80°21'28.3685"W	3526.28	177.290	0.34	0.06	-0.33
10992.00	90.310	146.620	7857.80	3075.91	-3601.63	219.02	1758602.37	431161.98	39°40'50.2449"N	80°21'27.6898"W	3608.28	176.520	0.07	0.00	0.07
11086.00	90.340	146.730	7857.27	3169.87	-3680.17	270.67	1758654.01	431083.44	39°40'49.4735"N	80°21'27.0197"W	3690.11	175.794	0.12	0.03	0.12
11181.00	90.220	146.880	7856.80	3264.82	-3759.67	322.68	1758706.02	431003.95	39°40'48.6928"N	80°21'26.3448"W	3773.49	175.095	0.20	-0.13	0.16
11276.00	90.130	146.840	7856.51	3359.77	-3839.21	374.61	1758757.95	430924.41	39°40'47.9116"N	80°21'25.6709"W	3857.45	174.427	0.10	-0.09	-0.04
11370.00	90.220	147.190	7856.22	3453.71	-3918.06	425.79	1758809.12	430845.57	39°40'47.1372"N	80°21'25.0068"W	3941.13	173.798	0.38	0.10	0.37
11464.00	90.130	146.000	7855.94	3547.67	-3996.53	477.54	1758860.87	430767.10	39°40'46.3666"N	80°21'24.3354"W	4024.96	173.186	1.27	-0.10	-1.27
11559.00	90.250	145.590	7855.62	3642.66	-4075.10	530.94	1758914.27	430688.54	39°40'45.5952"N	80°21'23.6428"W	4109.54	172.577	0.45	0.13	-0.43
11653.00	90.190	145.280	7855.26	3736.66	-4152.51	584.27	1758967.60	430611.14	39°40'44.8352"N	80°21'22.9513"W	4193.41	171.991	0.34	-0.06	-0.33
11748.00	90.470	147.170	7854.71	3831.63	-4231.47	637.08	1759020.40	430532.18	39°40'44.0598"N	80°21'22.2663"W	4279.16	171.438	2.01	0.29	1.99
11842.00	89.110	142.700	7855.06	3925.60	-4308.38	691.07	1759074.39	430455.27	39°40'43.3048"N	80°21'21.5665"W	4363.46	170.887	4.97	-1.45	-4.76
11936.00	90.250	146.430	7855.58	4019.58	-4384.96	745.56	1759128.87	430378.70	39°40'42.5532"N	80°21'20.8603"W	4447.89	170.351	4.15	1.21	3.97
12031.00	88.990	142.380	7856.21	4114.55	-4462.19	800.84	1759184.15	430301.47	39°40'41.7951"N	80°21'20.1439"W	4533.48	169.825	4.46	-1.33	-4.26
12126.00	89.450	146.400	7857.51	4209.52	-4539.40	856.14	1759239.44	430224.27	39°40'41.0373"N	80°21'19.4273"W	4619.43	169.319	4.26	0.48	4.23
12220.00	89.480	146.420	7858.39	4303.49	-4617.70	908.14	1759291.44	430145.97	39°40'40.2684"N	80°21'18.7527"W	4706.15	168.874	0.04	0.03	0.02
12315.00	89.450	146.630	7859.27	4398.45	-4696.94	960.54	1759343.84	430066.74	39°40'39.4902"N	80°21'18.0730"W	4794.15	168.442	0.22	-0.03	0.22
12409.00	89.580	146.880	7860.07	4492.40	-4775.55	1012.07	1759395.37	429988.13	39°40'38.7182"N	80°21'17.4044"W	4881.61	168.035	0.30	0.14	0.27
12504.00	89.480	146.690	7860.85	4587.35	-4855.03	1064.10	1759447.40	429908.66	39°40'37.9376"N	80°21'16.7292"W	4970.27	167.638	0.23	-0.11	-0.20
12599.00	89.390	146.620	7861.78	4682.31	-4934.38	1116.32	1759499.61	429829.31	39°40'37.1583"N	80°21'16.0518"W	5059.08	167.252	0.12	-0.09	-0.07
12693.00	89.120	146.810	7863.01	4776.26	-5012.96	1167.90	1759551.19	429750.74	39°40'36.3866"N	80°21'15.3826"W	5147.21	166.885	0.35	-0.29	0.20
12788.00	89.330	147.120	7864.29	4871.19	-5092.59	1219.69	1759602.98	429671.11	39°40'35.6045"N	80°21'14.7106"W	5236.61	166.531	0.39	0.22	0.33
12883.00	89.150	146.420	7865.55	4966.14	-5172.05	1271.74	1759655.03	429591.65	39°40'34.8241"N	80°21'14.0352"W	5326.11	166.186	0.76	-0.19	-0.74
12977.00	89.790	147.830	7866.42	5060.07	-5250.99	1322.76	1759706.04	429512.72	39°40'34.0488"N	80°21'13.3732"W	5415.03	165.861	1.65	0.68	1.50
13072.00	89.150	148.050	7867.30	5154.94	-5331.50	1373.19	1759756.47	429432.22	39°40'33.2579"N	80°21'12.7185"W	5505.50	165.557	0.71	-0.67	0.23
13167.00	89.240	146.120	7868.63	5249.86	-5411.24	1424.80	1759808.08	429352.48	39°40'32.4747"N	80°21'12.0488"W	5595.67	165.249	2.03	0.09	-2.03
13356.00	90.780	145.430	7868.60	5438.83	-5567.50	1531.10	1759914.37	429196.23	39°40'30.9404"N	80°21'10.6704"W	5774.20	164.623	0.89	0.81	-0.37



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

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Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
13451.00	89.050	143.270	7868.74	5533.82	-5644.69	1586.47	1759969.73	429119.04	39°40'30.1827"N	80°21'9.9530"W	5863.40	164.302	2.91	-1.82	-2.27
13546.00	89.640	143.230	7869.83	5628.77	-5720.80	1643.30	1760026.56	429042.93	39°40'29.4359"N	80°21'9.2170"W	5952.15	163.973	0.62	0.62	-0.04
13640.00	89.790	144.490	7870.30	5722.75	-5796.71	1698.74	1760081.99	428967.03	39°40'28.6909"N	80°21'8.4988"W	6040.50	163.667	1.35	0.16	1.34
13735.00	89.610	143.760	7870.79	5817.73	-5873.69	1754.41	1760137.66	428890.05	39°40'27.9354"N	80°21'7.7776"W	6130.11	163.370	0.79	-0.19	-0.77
13829.00	89.760	144.200	7871.31	5911.72	-5949.72	1809.69	1760192.94	428814.03	39°40'27.1892"N	80°21'7.0614"W	6218.85	163.082	0.49	0.16	0.47
13924.00	89.920	144.570	7871.58	6006.71	-6026.95	1865.01	1760248.25	428736.81	39°40'26.4311"N	80°21'6.3446"W	6308.91	162.806	0.42	0.17	0.39
14019.00	89.640	143.190	7871.94	6101.69	-6103.68	1921.01	1760304.25	428660.08	39°40'25.6780"N	80°21'5.6192"W	6398.85	162.530	1.48	-0.29	-1.45
14113.00	89.980	145.520	7872.25	6195.68	-6180.07	1975.78	1760359.02	428583.70	39°40'24.9283"N	80°21'4.9095"W	6488.22	162.271	2.50	0.36	2.48
14208.00	90.530	145.130	7871.83	6290.67	-6258.19	2029.83	1760413.07	428505.58	39°40'24.1613"N	80°21'4.2088"W	6579.15	162.030	0.71	0.58	-0.41
14302.00	90.500	145.830	7870.98	6384.67	-6335.64	2083.09	1760466.33	428428.13	39°40'23.4009"N	80°21'3.5183"W	6669.30	161.800	0.75	-0.03	0.74
14397.00	88.250	143.280	7872.02	6479.64	-6413.02	2138.18	1760521.41	428350.76	39°40'22.6413"N	80°21'2.8045"W	6760.07	161.561	3.58	-2.37	-2.68
14492.00	90.190	143.770	7873.31	6574.60	-6489.40	2194.64	1760577.87	428274.39	39°40'21.8918"N	80°21'2.0732"W	6850.46	161.315	2.11	2.04	0.52
14586.00	89.450	142.070	7873.61	6668.53	-6564.39	2251.31	1760634.54	428199.40	39°40'21.1560"N	80°21'1.3394"W	6939.71	161.070	1.97	-0.79	-1.81
14681.00	89.730	141.860	7874.29	6763.40	-6639.21	2309.85	1760693.07	428124.58	39°40'20.4220"N	80°21'0.5818"W	7029.54	160.817	0.37	0.29	-0.22
14776.00	90.190	143.490	7874.36	6858.31	-6714.75	2367.45	1760750.66	428049.04	39°40'19.6809"N	80°20'59.8361"W	7119.88	160.579	1.78	0.48	1.72
14870.00	90.260	143.730	7873.99	6952.29	-6790.42	2423.21	1760806.43	427973.38	39°40'18.9383"N	80°20'59.1138"W	7209.84	160.361	0.27	0.07	0.26
14965.00	90.040	142.990	7873.74	7047.25	-6866.65	2479.91	1760863.12	427897.16	39°40'18.1902"N	80°20'58.3796"W	7300.74	160.143	0.81	-0.23	-0.78
15060.00	90.010	143.180	7873.70	7142.19	-6942.60	2536.97	1760920.17	427821.21	39°40'17.4449"N	80°20'57.6408"W	7391.61	159.927	0.20	-0.03	0.20
15154.00	90.100	142.380	7873.61	7236.12	-7017.46	2593.83	1760977.03	427746.36	39°40'16.7105"N	80°20'56.9047"W	7481.49	159.714	0.86	0.10	-0.85
15249.00	90.290	145.330	7873.28	7331.09	-7094.16	2649.85	1761033.05	427669.66	39°40'15.9577"N	80°20'56.1789"W	7572.90	159.518	3.11	0.20	3.11
15343.00	90.160	144.750	7872.91	7425.09	-7171.20	2703.72	1761086.91	427592.62	39°40'15.2014"N	80°20'55.4809"W	7663.95	159.342	0.63	-0.14	-0.62
15438.00	89.520	143.880	7873.18	7520.08	-7248.36	2759.13	1761142.32	427515.47	39°40'14.4440"N	80°20'54.7629"W	7755.74	159.160	1.14	-0.67	-0.92
15533.00	88.750	143.620	7874.61	7615.05	-7324.96	2815.30	1761198.49	427438.87	39°40'13.6922"N	80°20'54.0354"W	7847.36	158.976	0.86	-0.81	-0.27
15627.00	88.010	143.820	7877.27	7708.99	-7400.71	2870.90	1761254.08	427363.13	39°40'12.9488"N	80°20'53.3153"W	7938.04	158.798	0.82	-0.79	0.21
15722.00	90.930	144.380	7878.15	7803.96	-7477.65	2926.59	1761309.78	427286.19	39°40'12.1936"N	80°20'52.5938"W	8029.96	158.626	3.13	3.07	0.59
15817.00	89.860	144.280	7877.49	7898.95	-7554.83	2981.99	1761365.17	427209.02	39°40'11.4361"N	80°20'51.8761"W	8122.05	158.460	1.13	-1.13	-0.11
15912.00	88.130	143.150	7879.16	7993.91	-7631.39	3038.20	1761421.37	427132.46	39°40'10.6847"N	80°20'51.1481"W	8213.93	158.292	2.17	-1.82	-1.19
16007.00	88.870	144.390	7881.65	8088.85	-7707.99	3094.32	1761477.50	427055.87	39°40'9.9329"N	80°20'50.4212"W	8305.90	158.127	1.52	0.78	1.31
16101.00	88.680	144.260	7883.66	8182.82	-7784.33	3149.13	1761532.30	426979.53	39°40'9.1836"N	80°20'49.7111"W	8397.19	157.974	0.24	-0.20	-0.14
16196.00	89.180	143.780	7885.43	8277.79	-7861.20	3204.93	1761588.10	426902.67	39°40'8.4292"N	80°20'48.9883"W	8489.41	157.820	0.73	0.53	-0.51

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
16290.00	91.490	145.330	7884.88	8371.78	-7937.77	3259.44	1761642.60	426826.10	39°40'7.6775"N	80°20'48.2821"W	8580.91	157.676	2.96	2.46	1.65
16385.00	88.720	144.240	7884.71	8466.76	-8015.37	3314.22	1761697.38	426748.50	39°40'6.9157"N	80°20'47.5723"W	8673.54	157.536	3.13	-2.92	-1.15
16480.00	86.310	145.300	7888.83	8561.67	-8092.89	3368.96	1761752.12	426670.99	39°40'6.1547"N	80°20'46.8629"W	8766.12	157.399	2.77	-2.54	-1.12
16574.00	88.070	145.640	7893.43	8655.55	-8170.24	3422.18	1761805.33	426593.65	39°40'5.3953"N	80°20'46.1731"W	8857.99	157.273	1.91	1.87	0.36
16669.00	87.760	146.780	7896.89	8750.46	-8249.13	3474.98	1761858.13	426514.76	39°40'4.6204"N	80°20'45.4885"W	8951.18	157.157	1.24	-0.33	1.20
16764.00	87.480	147.080	7900.84	8845.32	-8328.68	3526.77	1761909.92	426435.22	39°40'3.8392"N	80°20'44.8166"W	9044.61	157.050	0.43	-0.29	0.32
16858.00	87.510	148.650	7904.94	8939.11	-8408.20	3576.72	1761959.86	426355.70	39°40'3.0580"N	80°20'44.1684"W	9137.32	156.956	1.67	0.03	1.67
16953.00	87.640	147.580	7908.96	9033.89	-8488.79	3626.86	1762010.00	426275.12	39°40'2.2662"N	80°20'43.5176"W	9231.12	156.865	1.13	0.14	-1.13
17048.00	87.110	144.260	7913.32	9128.76	-8567.38	3680.02	1762063.16	426196.53	39°40'1.4944"N	80°20'42.8283"W	9324.30	156.755	3.54	-0.56	-3.49
17142.00	87.940	144.440	7917.38	9222.67	-8643.69	3734.76	1762117.89	426120.22	39°40'0.7454"N	80°20'42.1192"W	9416.04	156.632	0.90	0.88	0.19
17237.00	87.790	141.950	7920.92	9317.55	-8719.70	3791.63	1762174.76	426044.22	39°39'59.9995"N	80°20'41.3829"W	9508.39	156.499	2.62	-0.16	-2.62
17332.00	87.700	144.120	7924.65	9412.41	-8795.54	3848.71	1762231.83	425968.38	39°39'59.2553"N	80°20'40.6439"W	9600.73	156.367	2.28	-0.09	2.28
17426.00	88.010	145.570	7928.17	9506.34	-8872.34	3902.79	1762285.92	425891.59	39°39'58.5013"N	80°20'39.9431"W	9692.79	156.256	1.58	0.33	1.54
17521.00	87.850	145.370	7931.60	9601.28	-8950.55	3956.61	1762339.73	425813.38	39°39'57.7334"N	80°20'39.2456"W	9786.07	156.152	0.27	-0.17	-0.21
17616.00	87.700	145.170	7935.29	9696.20	-9028.57	4010.69	1762393.81	425735.37	39°39'56.9674"N	80°20'38.5447"W	9879.30	156.048	0.26	-0.16	-0.21
17711.00	88.100	145.190	7938.77	9791.14	-9106.50	4064.90	1762448.01	425657.44	39°39'56.2022"N	80°20'37.8422"W	9972.55	155.945	0.42	0.42	0.02
17805.00	88.340	145.190	7941.69	9885.09	-9183.64	4118.53	1762501.64	425580.30	39°39'55.4448"N	80°20'37.1471"W	10064.87	155.845	0.26	0.26	0.00
17900.00	88.410	145.110	7944.39	9980.06	-9261.58	4172.80	1762555.90	425502.38	39°39'54.6797"N	80°20'36.4439"W	10158.20	155.746	0.11	0.07	-0.08
17995.00	88.160	144.170	7947.23	10075.01	-9339.02	4227.75	1762610.85	425424.94	39°39'53.9195"N	80°20'35.7320"W	10251.39	155.644	1.02	-0.26	-0.99
18089.00	87.970	143.610	7950.40	10168.94	-9414.91	4283.11	1762666.21	425349.05	39°39'53.1746"N	80°20'35.0149"W	10343.39	155.538	0.63	-0.20	-0.60
18184.00	88.010	143.560	7953.74	10263.85	-9491.32	4339.47	1762722.57	425272.65	39°39'52.4247"N	80°20'34.2851"W	10436.29	155.430	0.07	0.04	-0.05
18279.00	87.700	144.540	7957.29	10358.77	-9568.17	4395.21	1762778.30	425195.80	39°39'51.6704"N	80°20'33.5633"W	10529.37	155.328	1.08	-0.33	1.03
18373.00	87.760	144.550	7961.01	10452.69	-9644.68	4449.69	1762832.78	425119.30	39°39'50.9193"N	80°20'32.8575"W	10621.65	155.233	0.06	0.06	0.01
18468.00	87.970	144.680	7964.55	10547.63	-9722.07	4504.66	1762887.75	425041.91	39°39'50.1595"N	80°20'32.1453"W	10714.98	155.140	0.26	0.22	0.14
18563.00	87.850	144.880	7968.02	10642.56	-9799.63	4559.41	1762942.50	424964.35	39°39'49.3981"N	80°20'31.4359"W	10808.38	155.049	0.25	-0.13	0.21
18657.00	87.850	146.680	7971.55	10736.48	-9877.30	4612.24	1762995.32	424886.69	39°39'48.6354"N	80°20'30.7512"W	10901.09	154.970	1.91	0.00	1.91
18751.00	88.900	147.280	7974.21	10830.39	-9956.09	4663.44	1763046.52	424807.91	39°39'47.8616"N	80°20'30.0871"W	10994.15	154.902	1.29	1.12	0.64
18941.00	89.110	146.570	7977.51	11020.25	-10115.27	4767.11	1763150.18	424648.73	39°39'46.2980"N	80°20'28.7424"W	11182.31	154.766	0.39	0.11	-0.37
19035.00	89.970	146.270	7978.27	11114.22	-10193.58	4819.10	1763202.17	424570.43	39°39'45.5289"N	80°20'28.0683"W	11275.32	154.697	0.97	0.91	-0.32
19130.00	89.140	146.160	7979.00	11209.19	-10272.54	4871.93	1763254.99	424491.48	39°39'44.7535"N	80°20'27.3835"W	11369.29	154.627	0.88	-0.87	-0.12



Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
19224.00	89.670	146.470	7979.98	11303.16	-10350.75	4924.06	1763307.12	424413.27	39°39'43.9854"N	80°20'26.7075"W	11462.30	154.559	0.65	0.56	0.33
19319.00	89.970	145.300	7980.28	11398.15	-10429.40	4977.34	1763360.40	424334.62	39°39'43.2130"N	80°20'26.0169"W	11556.22	154.488	1.27	0.32	-1.23
19413.00	90.870	145.410	7979.59	11492.14	-10506.73	5030.78	1763413.83	424257.30	39°39'42.4538"N	80°20'25.3244"W	11649.04	154.414	0.96	0.96	0.12
19508.00	90.470	145.680	7978.48	11587.13	-10585.06	5084.52	1763467.57	424178.97	39°39'41.6846"N	80°20'24.6279"W	11742.90	154.343	0.51	-0.42	0.28
19603.00	90.040	141.830	7978.05	11682.09	-10661.66	5140.68	1763523.72	424102.38	39°39'40.9328"N	80°20'23.9007"W	11836.28	154.258	4.08	-0.45	-4.05
19697.00	90.590	142.620	7977.54	11775.98	-10735.96	5198.26	1763581.30	424028.08	39°39'40.2039"N	80°20'23.1556"W	11928.23	154.164	1.02	0.59	0.84
19792.00	89.850	142.490	7977.17	11870.89	-10811.38	5256.01	1763639.06	423952.67	39°39'39.4638"N	80°20'22.4081"W	12021.30	154.073	0.79	-0.78	-0.14
19887.00	90.620	145.210	7976.78	11965.86	-10888.08	5312.05	1763695.09	423875.97	39°39'38.7110"N	80°20'21.6825"W	12114.79	153.993	2.98	0.81	2.86
19981.00	90.160	145.670	7976.14	12059.85	-10965.49	5365.37	1763748.41	423798.56	39°39'37.9509"N	80°20'20.9915"W	12207.75	153.928	0.69	-0.49	0.49
20076.00	89.970	145.310	7976.04	12154.85	-11043.77	5419.19	1763802.22	423720.29	39°39'37.1822"N	80°20'20.2940"W	12301.73	153.863	0.43	-0.20	-0.38
20170.00	90.560	145.760	7975.60	12248.84	-11121.27	5472.39	1763855.42	423642.79	39°39'36.4212"N	80°20'19.6047"W	12394.75	153.800	0.79	0.63	0.48
20265.00	90.280	145.550	7974.90	12343.84	-11199.71	5525.98	1763909.01	423564.36	39°39'35.6510"N	80°20'18.9101"W	12488.79	153.738	0.37	-0.29	-0.22
20360.00	90.130	145.260	7974.56	12438.83	-11277.91	5579.92	1763962.94	423486.16	39°39'34.8831"N	80°20'18.2111"W	12582.80	153.675	0.34	-0.16	-0.31
20454.00	90.900	145.790	7973.72	12532.82	-11355.40	5633.13	1764016.14	423408.68	39°39'34.1223"N	80°20'17.5216"W	12675.85	153.615	0.99	0.82	0.56
20549.00	90.870	145.310	7972.25	12627.81	-11433.73	5686.86	1764069.87	423330.36	39°39'33.3531"N	80°20'16.8252"W	12769.90	153.555	0.51	-0.03	-0.51
20643.00	90.870	145.370	7970.83	12721.80	-11511.04	5740.31	1764123.32	423253.05	39°39'32.5940"N	80°20'16.1326"W	12862.94	153.496	0.06	0.00	0.06
20737.00	90.400	145.430	7969.78	12815.79	-11588.41	5793.69	1764176.69	423175.69	39°39'31.8343"N	80°20'15.4410"W	12956.00	153.437	0.50	-0.50	0.06
20832.00	89.700	143.300	7969.70	12910.78	-11665.61	5849.03	1764232.04	423098.49	39°39'31.0764"N	80°20'14.7242"W	13049.81	153.371	2.36	-0.74	-2.24
20926.00	90.500	144.910	7969.54	13004.76	-11741.76	5904.14	1764287.14	423022.34	39°39'30.3290"N	80°20'14.0105"W	13142.59	153.305	1.91	0.85	1.71
21020.00	90.870	145.600	7968.41	13098.75	-11818.99	5957.71	1764340.71	422945.12	39°39'29.5706"N	80°20'13.3164"W	13235.66	153.248	0.83	0.39	0.73
21115.00	90.740	145.630	7967.08	13193.74	-11897.38	6011.36	1764394.35	422866.73	39°39'28.8009"N	80°20'12.6212"W	13329.82	153.194	0.14	-0.14	0.03
21210.00	90.740	145.470	7965.85	13288.72	-11975.71	6065.09	1764448.08	422788.40	39°39'28.0317"N	80°20'11.9248"W	13423.97	153.140	0.17	0.00	-0.17
21304.00	90.740	145.380	7964.64	13382.71	-12053.11	6118.43	1764501.42	422711.01	39°39'27.2717"N	80°20'11.2337"W	13517.12	153.087	0.10	0.00	-0.10
21399.00	90.710	145.810	7963.43	13477.70	-12131.48	6172.10	1764555.09	422632.64	39°39'26.5021"N	80°20'10.5381"W	13611.31	153.034	0.45	-0.03	0.45
21493.00	91.390	145.550	7961.71	13571.68	-12209.10	6225.09	1764608.08	422555.03	39°39'25.7399"N	80°20'9.8514"W	13704.52	152.984	0.77	0.72	-0.28
21588.00	91.390	145.670	7959.41	13666.64	-12287.47	6278.74	1764661.72	422476.66	39°39'24.9703"N	80°20'9.1563"W	13798.72	152.934	0.13	0.00	0.13
21682.00	91.300	145.220	7957.20	13760.62	-12364.87	6332.04	1764715.01	422399.27	39°39'24.2103"N	80°20'8.4656"W	13891.89	152.883	0.49	-0.10	-0.48
21776.00	91.240	145.230	7955.12	13854.59	-12442.06	6385.64	1764768.61	422322.08	39°39'23.4524"N	80°20'7.7712"W	13985.04	152.832	0.06	-0.06	0.01
21871.00	91.170	145.180	7953.12	13949.57	-12520.06	6439.84	1764822.81	422244.09	39°39'22.6866"N	80°20'7.0690"W	14079.18	152.780	0.09	-0.07	-0.05
21965.00	91.210	145.010	7951.17	14043.55	-12597.13	6493.61	1764876.58	422167.02	39°39'21.9298"N	80°20'6.3723"W	14172.32	152.730	0.19	0.04	-0.18

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
22059.00	91.300	145.190	7949.11	14137.53	-12674.21	6547.38	1764930.35	422089.95	39°39'21.1731"N	80°20'5.6757"W	14265.47	152.680	0.21	0.10	0.19
22154.00	91.240	145.520	7947.00	14232.50	-12752.34	6601.38	1764984.34	422011.82	39°39'20.4058"N	80°20'4.9761"W	14359.68	152.631	0.35	-0.06	0.35
22249.00	91.300	145.340	7944.90	14327.48	-12830.55	6655.27	1765038.22	421933.62	39°39'19.6379"N	80°20'4.2778"W	14453.91	152.584	0.20	0.06	-0.19
22343.00	91.330	145.570	7942.74	14421.45	-12907.96	6708.56	1765091.51	421856.22	39°39'18.8778"N	80°20'3.5874"W	14547.17	152.538	0.25	0.03	0.24
22438.00	91.580	145.300	7940.33	14516.41	-12986.16	6762.44	1765145.39	421778.02	39°39'18.1099"N	80°20'2.8892"W	14641.41	152.492	0.39	0.26	-0.28
22533.00	90.810	145.600	7938.35	14611.39	-13064.39	6816.30	1765199.25	421699.79	39°39'17.3417"N	80°20'2.1913"W	14735.68	152.447	0.87	-0.81	0.32
22628.00	91.210	145.820	7936.67	14706.37	-13142.86	6869.81	1765252.76	421621.32	39°39'16.5711"N	80°20'1.4979"W	14830.01	152.404	0.48	0.42	0.23
22722.00	91.480	145.580	7934.47	14800.33	-13220.50	6922.77	1765305.71	421543.69	39°39'15.8087"N	80°20'0.8116"W	14923.35	152.362	0.38	0.29	-0.26
22817.00	91.670	145.880	7931.86	14895.29	-13298.97	6976.24	1765359.18	421465.22	39°39'15.0380"N	80°20'0.1187"W	15017.68	152.320	0.37	0.20	0.32
22912.00	91.730	145.690	7929.04	14990.24	-13377.50	7029.64	1765412.57	421386.70	39°39'14.2669"N	80°19'59.4267"W	15112.02	152.279	0.21	0.06	-0.20
23006.00	90.740	145.140	7927.01	15084.21	-13454.87	7082.98	1765465.91	421309.34	39°39'13.5072"N	80°19'58.7356"W	15205.33	152.237	1.20	-1.05	-0.59
23101.00	90.840	145.470	7925.70	15179.20	-13532.97	7137.05	1765519.98	421231.24	39°39'12.7403"N	80°19'58.0351"W	15299.63	152.194	0.36	0.11	0.35
23196.00	90.930	145.740	7924.23	15274.19	-13611.35	7190.71	1765573.63	421152.87	39°39'11.9706"N	80°19'57.3398"W	15394.00	152.153	0.30	0.09	0.28
23290.00	90.930	145.660	7922.71	15368.17	-13688.99	7243.67	1765626.60	421075.23	39°39'11.2081"N	80°19'56.6535"W	15487.39	152.114	0.09	0.00	-0.09
23384.00	90.870	145.820	7921.23	15462.15	-13766.67	7296.59	1765679.50	420997.55	39°39'10.4453"N	80°19'55.9679"W	15580.80	152.076	0.18	-0.06	0.17
23479.00	90.930	145.850	7919.74	15557.13	-13845.27	7349.93	1765732.84	420918.96	39°39'9.6734"N	80°19'55.2766"W	15675.23	152.038	0.07	0.06	0.03
23573.00	90.930	145.490	7918.21	15651.11	-13922.88	7402.93	1765785.85	420841.35	39°39'8.9112"N	80°19'54.5898"W	15768.64	152.000	0.38	0.00	-0.38
23668.00	90.960	145.430	7916.65	15746.09	-14001.13	7456.79	1765839.70	420763.11	39°39'8.1429"N	80°19'53.8920"W	15863.02	151.961	0.07	0.03	-0.06
23762.00	91.110	145.720	7914.95	15840.07	-14078.65	7509.92	1765892.83	420685.59	39°39'7.3816"N	80°19'53.2036"W	15956.42	151.923	0.35	0.16	0.31
23857.00	90.340	145.580	7913.75	15935.06	-14157.08	7563.52	1765946.42	420607.17	39°39'6.6114"N	80°19'52.5091"W	16050.85	151.886	0.82	-0.81	-0.15
23951.00	89.080	145.190	7914.22	16029.05	-14234.44	7616.92	1765999.81	420529.82	39°39'5.8518"N	80°19'51.8174"W	16144.24	151.849	1.40	-1.34	-0.41
24046.00	89.640	145.090	7915.28	16124.04	-14312.38	7671.21	1766054.11	420451.87	39°39'5.0865"N	80°19'51.1140"W	16238.59	151.809	0.60	0.59	-0.11
24141.00	90.130	144.650	7915.47	16219.04	-14390.08	7725.88	1766108.77	420374.18	39°39'4.3236"N	80°19'50.4060"W	16332.90	151.769	0.69	0.52	-0.46
24236.00	89.910	144.390	7915.44	16314.04	-14467.44	7781.02	1766163.91	420296.83	39°39'3.5641"N	80°19'49.6919"W	16427.14	151.727	0.36	-0.23	-0.27
24330.00	90.130	144.020	7915.41	16408.03	-14543.68	7836.00	1766218.88	420220.59	39°39'2.8156"N	80°19'48.9801"W	16520.34	151.685	0.46	0.23	-0.39
24425.00	90.130	144.450	7915.19	16503.02	-14620.77	7891.52	1766274.40	420143.51	39°39'2.0589"N	80°19'48.2612"W	16614.54	151.642	0.45	0.00	0.45
24520.00	90.160	144.480	7914.95	16598.02	-14698.07	7946.73	1766329.61	420066.21	39°39'1.3000"N	80°19'47.5462"W	16708.80	151.601	0.04	0.03	0.03
24615.00	90.250	144.390	7914.61	16693.01	-14775.35	8001.99	1766384.86	419988.93	39°39'0.5413"N	80°19'46.8307"W	16803.06	151.561	0.13	0.09	-0.09
24710.00	90.160	144.660	7914.27	16788.01	-14852.72	8057.12	1766439.99	419911.57	39°38'59.7818"N	80°19'46.1168"W	16897.35	151.522	0.30	-0.09	0.28
24804.00	90.160	144.300	7914.01	16882.00	-14929.22	8111.73	1766494.60	419835.07	39°38'59.0306"N	80°19'45.4096"W	16990.64	151.483	0.38	0.00	-0.38



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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
24899.00	90.160	144.380	7913.75	16977.00	-15006.41	8167.12	1766549.98	419757.89	39°38'58.2729"N	80°19'44.6925"W	17084.91	151.443	0.08	0.00	0.08
24994.00	90.160	144.570	7913.48	17071.99	-15083.73	8222.32	1766605.18	419680.58	39°38'57.5138"N	80°19'43.9777"W	17179.21	151.405	0.20	0.00	0.20
25088.00	90.130	144.490	7913.24	17165.99	-15160.28	8276.86	1766659.72	419604.03	39°38'56.7622"N	80°19'43.2714"W	17272.54	151.367	0.09	-0.03	-0.09
25183.00	90.130	144.440	7913.03	17260.98	-15237.59	8332.08	1766714.93	419526.72	39°38'56.0033"N	80°19'42.5565"W	17366.85	151.330	0.05	0.00	-0.05
25277.00	90.250	144.550	7912.71	17354.98	-15314.11	8386.67	1766769.52	419450.21	39°38'55.2520"N	80°19'41.8496"W	17460.19	151.293	0.17	0.13	0.12
25372.00	90.250	144.530	7912.30	17449.98	-15391.49	8441.78	1766824.63	419372.83	39°38'54.4923"N	80°19'41.1359"W	17554.53	151.257	0.02	0.00	-0.02
25467.00	90.160	144.410	7911.96	17544.97	-15468.80	8496.99	1766879.83	419295.53	39°38'53.7333"N	80°19'40.4211"W	17648.87	151.220	0.16	-0.09	-0.13
25560.00	90.130	144.330	7911.72	17637.97	-15544.39	8551.16	1766934.01	419219.94	39°38'52.9912"N	80°19'39.7196"W	17741.21	151.184	0.09	-0.03	-0.09
25654.00	89.850	144.950	7911.74	17731.96	-15621.05	8605.56	1766988.40	419143.29	39°38'52.2385"N	80°19'39.0152"W	17834.60	151.150	0.72	-0.30	0.66
25748.00	89.510	144.170	7912.27	17825.96	-15697.63	8660.07	1767042.90	419066.71	39°38'51.4867"N	80°19'38.3094"W	17927.98	151.115	0.91	-0.36	-0.83
25842.00	89.820	144.500	7912.82	17919.95	-15774.00	8714.87	1767097.70	418990.35	39°38'50.7369"N	80°19'37.5998"W	18021.32	151.080	0.48	0.33	0.35
25937.00	89.850	144.540	7913.09	18014.95	-15851.36	8770.01	1767152.84	418912.99	39°38'49.9774"N	80°19'36.8859"W	18115.70	151.046	0.05	0.03	0.04
26031.00	89.940	144.610	7913.26	18108.94	-15927.96	8824.50	1767207.32	418836.40	39°38'49.2254"N	80°19'36.1804"W	18209.11	151.012	0.12	0.10	0.07
26126.00	89.730	144.510	7913.54	18203.94	-16005.36	8879.58	1767262.40	418759.00	39°38'48.4655"N	80°19'35.4671"W	18303.51	150.979	0.24	-0.22	-0.11
26221.00	89.790	144.420	7913.93	18298.94	-16082.66	8934.80	1767317.62	418681.70	39°38'47.7065"N	80°19'34.7522"W	18397.90	150.945	0.11	0.06	-0.09
26315.00	89.760	144.330	7914.30	18392.93	-16159.07	8989.55	1767372.36	418605.30	39°38'46.9564"N	80°19'34.0433"W	18491.28	150.912	0.10	-0.03	-0.10
26409.00	89.790	144.680	7914.67	18486.93	-16235.60	9044.13	1767426.94	418528.77	39°38'46.2050"N	80°19'33.3366"W	18584.70	150.880	0.37	0.03	0.37
26504.00	89.790	144.410	7915.02	18581.92	-16312.99	9099.23	1767482.04	418451.39	39°38'45.4453"N	80°19'32.6231"W	18679.12	150.848	0.28	0.00	-0.28
26599.00	89.880	144.640	7915.29	18676.92	-16390.35	9154.37	1767537.17	418374.03	39°38'44.6857"N	80°19'31.9093"W	18773.55	150.816	0.26	0.09	0.24
26694.00	89.850	144.570	7915.52	18771.92	-16467.79	9209.39	1767592.19	418296.60	39°38'43.9253"N	80°19'31.1968"W	18867.99	150.784	0.08	-0.03	-0.07
26788.00	89.760	144.350	7915.84	18865.91	-16544.28	9264.03	1767646.83	418220.11	39°38'43.1744"N	80°19'30.4894"W	18961.42	150.753	0.25	-0.10	-0.23
26883.00	89.910	145.340	7916.11	18960.91	-16621.95	9318.73	1767701.52	418142.45	39°38'42.4118"N	80°19'29.7810"W	19055.92	150.724	1.05	0.16	1.04
26978.00	89.760	144.540	7916.38	19055.91	-16699.71	9373.30	1767756.09	418064.69	39°38'41.6482"N	80°19'29.0743"W	19150.43	150.695	0.86	-0.16	-0.84
27073.00	89.820	144.440	7916.73	19150.90	-16777.04	9428.48	1767811.27	417987.36	39°38'40.8890"N	80°19'28.3599"W	19244.88	150.665	0.12	0.06	-0.11
27167.00	89.790	144.200	7917.05	19244.90	-16853.40	9483.31	1767866.09	417911.01	39°38'40.1394"N	80°19'27.6501"W	19338.31	150.634	0.26	-0.03	-0.26
27262.00	89.640	144.220	7917.52	19339.89	-16930.46	9538.86	1767921.64	417833.96	39°38'39.3829"N	80°19'26.9309"W	19432.71	150.602	0.16	-0.16	0.02
27357.00	89.700	144.340	7918.07	19434.88	-17007.58	9594.33	1767977.10	417756.84	39°38'38.6257"N	80°19'26.2129"W	19527.13	150.572	0.14	0.06	0.13
27452.00	89.670	144.440	7918.59	19529.87	-17084.82	9649.64	1768032.41	417679.61	39°38'37.8674"N	80°19'25.4968"W	19621.58	150.542	0.11	-0.03	0.11
27546.00	89.670	144.420	7919.14	19623.86	-17161.28	9704.32	1768087.09	417603.15	39°38'37.1167"N	80°19'24.7889"W	19715.05	150.513	0.02	0.00	-0.02
27641.00	89.640	144.370	7919.71	19718.86	-17238.52	9759.63	1768142.39	417525.92	39°38'36.3584"N	80°19'24.0729"W	19809.51	150.484	0.06	-0.03	-0.05

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WDTN-18G-HSM AWP Proj: 31961'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UVI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
27736.00	89.670	144.360	7920.28	19813.85	-17315.72	9814.97	1768197.74	417448.72	39°38'35.6004"N	80°19'23.3564"W	19903.97	150.454	0.03	0.03	-0.01
27830.00	89.730	144.490	7920.77	19907.84	-17392.18	9869.66	1768252.42	417372.27	39°38'34.8498"N	80°19'22.6484"W	19997.45	150.426	0.15	0.06	0.14
28020.00	90.010	144.600	7921.20	20097.84	-17546.95	9979.87	1768362.63	417217.51	39°38'33.3302"N	80°19'21.2215"W	20186.46	150.371	0.16	0.15	0.06
28115.00	90.310	144.370	7920.94	20192.83	-17624.27	10035.06	1768417.81	417140.19	39°38'32.5710"N	80°19'20.5070"W	20280.96	150.343	0.40	0.32	-0.24
28209.00	90.350	144.500	7920.40	20286.83	-17700.04	10089.73	1768472.48	417063.73	39°38'31.8203"N	80°19'19.7993"W	20374.46	150.316	0.14	0.04	0.14
28303.00	90.310	144.430	7919.85	20380.82	-17777.23	10144.36	1768527.11	416987.24	39°38'31.0693"N	80°19'19.0920"W	20467.97	150.289	0.09	-0.04	-0.07
28398.00	90.250	144.230	7919.39	20475.81	-17854.40	10199.76	1768582.50	416910.07	39°38'30.3116"N	80°19'18.3749"W	20562.46	150.262	0.22	-0.06	-0.21
28492.00	90.350	144.330	7918.90	20569.80	-17930.72	10254.63	1768637.37	416833.76	39°38'29.5623"N	80°19'17.6645"W	20655.95	150.235	0.15	0.11	0.11
28587.00	90.250	145.530	7918.40	20664.80	-18008.47	10309.22	1768691.95	416756.01	39°38'28.7989"N	80°19'16.9577"W	20750.54	150.210	1.27	-0.11	1.26
28681.00	90.350	145.600	7917.91	20758.79	-18086.00	10362.37	1768745.10	416678.49	39°38'28.0375"N	80°19'16.2692"W	20844.23	150.189	0.13	0.11	0.07
28776.00	90.410	145.600	7917.28	20853.79	-18164.38	10416.04	1768798.77	416600.11	39°38'27.2677"N	80°19'15.5741"W	20938.93	150.169	0.06	0.06	0.00
28871.00	90.130	145.580	7916.83	20948.78	-18242.76	10469.73	1768852.45	416521.74	39°38'26.4980"N	80°19'14.8787"W	21033.62	150.148	0.30	-0.29	-0.02
28965.00	90.250	145.730	7916.52	21042.77	-18320.37	10522.76	1768905.48	416444.13	39°38'25.7358"N	80°19'14.1918"W	21127.34	150.128	0.20	0.13	0.16
29060.00	89.730	145.690	7916.54	21137.77	-18398.86	10576.28	1768959.00	416365.65	39°38'24.9649"N	80°19'13.4985"W	21222.06	150.108	0.55	-0.55	-0.04
29155.00	89.610	145.450	7917.08	21232.76	-18477.21	10629.99	1769012.71	416287.30	39°38'24.1954"N	80°19'12.8028"W	21316.76	150.088	0.28	-0.13	-0.25
29249.00	89.910	145.570	7917.48	21326.76	-18554.69	10683.22	1769065.93	416209.83	39°38'23.4345"N	80°19'12.1134"W	21410.46	150.068	0.34	0.32	0.13
29344.00	89.850	145.600	7917.68	21421.75	-18633.06	10736.91	1769119.62	416131.46	39°38'22.6649"N	80°19'11.4180"W	21505.17	150.048	0.07	-0.06	0.03
29439.00	89.850	145.480	7917.92	21516.75	-18711.39	10790.67	1769173.37	416053.13	39°38'21.8956"N	80°19'10.7218"W	21599.88	150.028	0.13	0.00	-0.13
29533.00	89.760	145.480	7918.24	21610.74	-18788.84	10843.94	1769226.64	415975.69	39°38'21.1350"N	80°19'10.0319"W	21693.58	150.009	0.10	-0.10	0.00
29628.00	89.760	145.370	7918.64	21705.74	-18867.06	10897.85	1769280.55	415897.47	39°38'20.3668"N	80°19'9.3337"W	21788.28	149.989	0.12	0.00	-0.12
29723.00	90.190	145.540	7918.68	21800.73	-18945.31	10951.72	1769334.41	415819.23	39°38'19.5984"N	80°19'8.6360"W	21882.98	149.969	0.49	0.45	0.18
29817.00	90.160	145.380	7918.40	21894.73	-19022.74	11005.01	1769387.70	415741.80	39°38'18.8379"N	80°19'7.9458"W	21976.69	149.950	0.17	-0.03	-0.17
29910.00	90.130	145.160	7918.16	21987.73	-19099.17	11057.99	1769440.68	415665.38	39°38'18.0874"N	80°19'7.2597"W	22069.38	149.930	0.24	-0.03	-0.24
30004.00	90.190	145.220	7917.90	22081.73	-19176.35	11111.65	1769494.34	415588.20	39°38'17.3295"N	80°19'6.5648"W	22163.06	149.910	0.09	0.06	0.06
30099.00	90.250	145.620	7917.53	22176.73	-19254.57	11165.57	1769548.26	415509.99	39°38'16.5613"N	80°19'5.8666"W	22257.77	149.891	0.43	0.06	0.42
30193.00	90.160	145.290	7917.20	22270.72	-19331.99	11218.87	1769601.55	415432.57	39°38'15.8010"N	80°19'5.1763"W	22351.49	149.872	0.36	-0.10	-0.35
30287.00	90.130	145.390	7916.96	22364.72	-19409.31	11272.33	1769655.01	415355.26	39°38'15.0416"N	80°19'4.4840"W	22445.20	149.853	0.11	-0.03	0.11
30382.00	90.190	145.470	7916.69	22459.72	-19487.54	11326.24	1769708.91	415277.04	39°38'14.2734"N	80°19'3.7859"W	22539.91	149.835	0.11	0.06	0.08
30477.00	90.070	145.330	7916.48	22554.71	-19565.73	11380.18	1769762.85	415198.84	39°38'13.5055"N	80°19'3.0874"W	22634.63	149.816	0.19	-0.13	-0.15
30571.00	89.820	145.390	7916.57	22648.71	-19643.07	11433.61	1769816.28	415121.51	39°38'12.7460"N	80°19'2.3954"W	22728.35	149.798	0.27	-0.27	0.06



Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

WELLPATH DATA (343 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]
30666.00	89.730	145.350	7916.94	22743.71	-19721.24	11487.60	1769870.26	415043.35	39°38'11.9783"N	80°19'1.6963"W	22823.06	149.779	0.10	-0.09	-0.04
30855.00	89.920	145.580	7917.52	22932.70	-19876.93	11594.74	1769977.40	414887.66	39°38'10.4492"N	80°19'0.3088"W	23011.53	149.744	0.16	0.10	0.12
30949.00	89.790	145.360	7917.76	23026.70	-19954.37	11648.03	1770030.68	414810.23	39°38'9.6887"N	80°18'59.6188"W	23105.27	149.726	0.27	-0.14	-0.23
31139.00	90.070	145.400	7917.99	23216.69	-20110.73	11755.97	1770138.62	414653.88	39°38'8.1532"N	80°18'58.2210"W	23294.73	149.691	0.15	0.15	0.02
31234.00	90.100	145.440	7917.85	23311.69	-20188.95	11809.89	1770192.53	414575.67	39°38'7.3850"N	80°18'57.5228"W	23389.47	149.674	0.05	0.03	0.04
31328.00	90.470	145.510	7917.38	23405.69	-20266.39	11863.16	1770245.81	414498.23	39°38'6.6244"N	80°18'56.8329"W	23483.21	149.657	0.40	0.39	0.07
31423.00	90.440	145.380	7916.63	23500.68	-20344.63	11917.05	1770299.68	414419.99	39°38'5.8561"N	80°18'56.1351"W	23577.95	149.640	0.14	-0.03	-0.14
31518.00	90.470	145.530	7915.87	23595.68	-20422.88	11970.91	1770353.55	414341.75	39°38'5.0876"N	80°18'55.4375"W	23672.70	149.623	0.16	0.03	0.16
31612.00	90.470	145.390	7915.10	23689.67	-20500.30	12024.21	1770406.84	414264.33	39°38'4.3272"N	80°18'54.7474"W	23766.45	149.607	0.15	0.00	-0.15
31707.00	90.440	145.230	7914.35	23784.66	-20578.41	12078.28	1770460.90	414186.22	39°38'3.5601"N	80°18'54.0473"W	23861.18	149.590	0.17	-0.03	-0.17
31897.00	90.470	145.410	7912.84	23974.66	-20734.65	12186.38	1770569.00	414029.99	39°38'2.0257"N	80°18'52.6475"W	24050.65	149.556	0.10	0.02	0.09
31936.00	90.470	145.190	7912.52	24013.65	-20766.72	12208.58	1770591.20	413997.93	39°38'1.7108"N	80°18'52.3601"W	24089.54	149.549	0.56	0.00	-0.56
31961.00‡	90.470	145.190	7912.31	24038.65	-20787.24	12222.85	1770605.47	413977.41	39°38'1.5093"N	80°18'52.1753"W	24114.47	149.545	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: WDTN-18G-HSM AWB Ref Wellpath: WDTN-18G-HSM AWP Proj: 31961'

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]
24in Open Hole	28.00	68.00	40.00	28.00	68.00	0.00	0.00	-0.02	0.03
20in Conductor	28.00	68.00	40.00	28.00	68.00	0.00	0.00	-0.02	0.03
17 1/2in Open Hole	68.00	1123.00	1055.00	68.00	1122.99	-0.02	0.03	1.84	0.18
13 3/8in Casing Intermediate	28.00	1123.00	1095.00	28.00	1122.99	0.00	0.00	1.84	0.18
12 1/4in Open Hole	1123.00	2772.00	1649.00	1122.99	2771.18	1.84	0.18	16.38	4.40
9 5/8in Casing Intermediate	28.00	2772.00	2744.00	28.00	2771.18	0.00	0.00	16.38	4.40
8 3/4in Open Hole	2772.00	6506.50	3734.50	2771.18	6259.86	16.38	4.40	-733.95	-940.36
8 1/2in Open Hole	6506.50	31961.00	25454.50	6259.86	7912.31	-733.95	-940.36	-20787.24	12222.85
5 1/2in Casing Production	28.00	31961.00	31933.00	28.00	7912.31	0.00	0.00	-20787.24	12222.85

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

TARGETS

[illegible]



Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WDTN-18 South Lease Rev-2	8500.00	-12812.34	12255.83	1770638.44	421951.83	39°39'20.3259"N	80°18'52.6782"W	polygon
	2D Polygon:: dimensions not calculated							
WDTN-18G-HSU BHL Rev-1	13332.00	-7241.32	4850.57	1763233.64	427522.51	39°40'14.7079"N	80°20'28.0194"W	point
WDTN-18G-HSU LP Rev-1	13332.00	-1754.96	-635.78	1757747.61	433008.54	39°41'8.4139"N	80°21'38.8485"W	point
WDTN-18 Utica North Lease Rev-1	13810.00	-393.96	-28.99	1758354.37	434369.45	39°41'21.9215"N	80°21'31.2538"W	polygon
	2D Polygon:: dimensions not calculated							
WDTN-18 Utica South Lease Rev-1	13810.00	-393.96	-28.99	1758354.37	434369.45	39°41'21.9215"N	80°21'31.2538"W	polygon
	2D Polygon:: dimensions not calculated							

WELLPATH COMPOSITION - Ref Wellbore: WDTN-18G-HSM AWB Ref Wellpath: WDTN-18G-HSM AWP Proj: 31961'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1044.50	BH Generic gyro - continuous (Standard)	01 Gyro <17-1/2"> (100'-1030')	WDTN-18G-HSM AWB	2026-01-02
1044.50	2699.50	OWSG MWD rev2 + HRGM	02 SDI MWD <12-1/4"> (1030')(1216'-2685')	WDTN-18G-HSM AWB	2026-01-02
2699.50	6425.50	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2685')(2780'-6411')	WDTN-18G-HSM AWB	2026-01-02
6425.50	31961.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	04 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6425.5')(6548'-31936')	WDTN-18G-HSM AWB	2026-01-27

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Actual Wellpath Report

WDTN-18G-HSM AWP Proj: 31961'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18G-HSM
Field	Monongalia	UWI	47-061-02000-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18G-HSM AWB
Slot	Slot G		

COMMENTS

Wellpath general comments

API: 47-061-02000-0000

BH Job #: 112938801

Rig: Precision 575

Duration: 2/16/2026-2/21/2026

Gyro <17-1/2"> (100'-1030')

SDI MWD <12-1/4"> (1030')(1216'-2685')

SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2685')(2780'-6411')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6425.5')(6548'-31936')

Projected MD at TD: 31961'