



CNX GAS CO, LLC

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

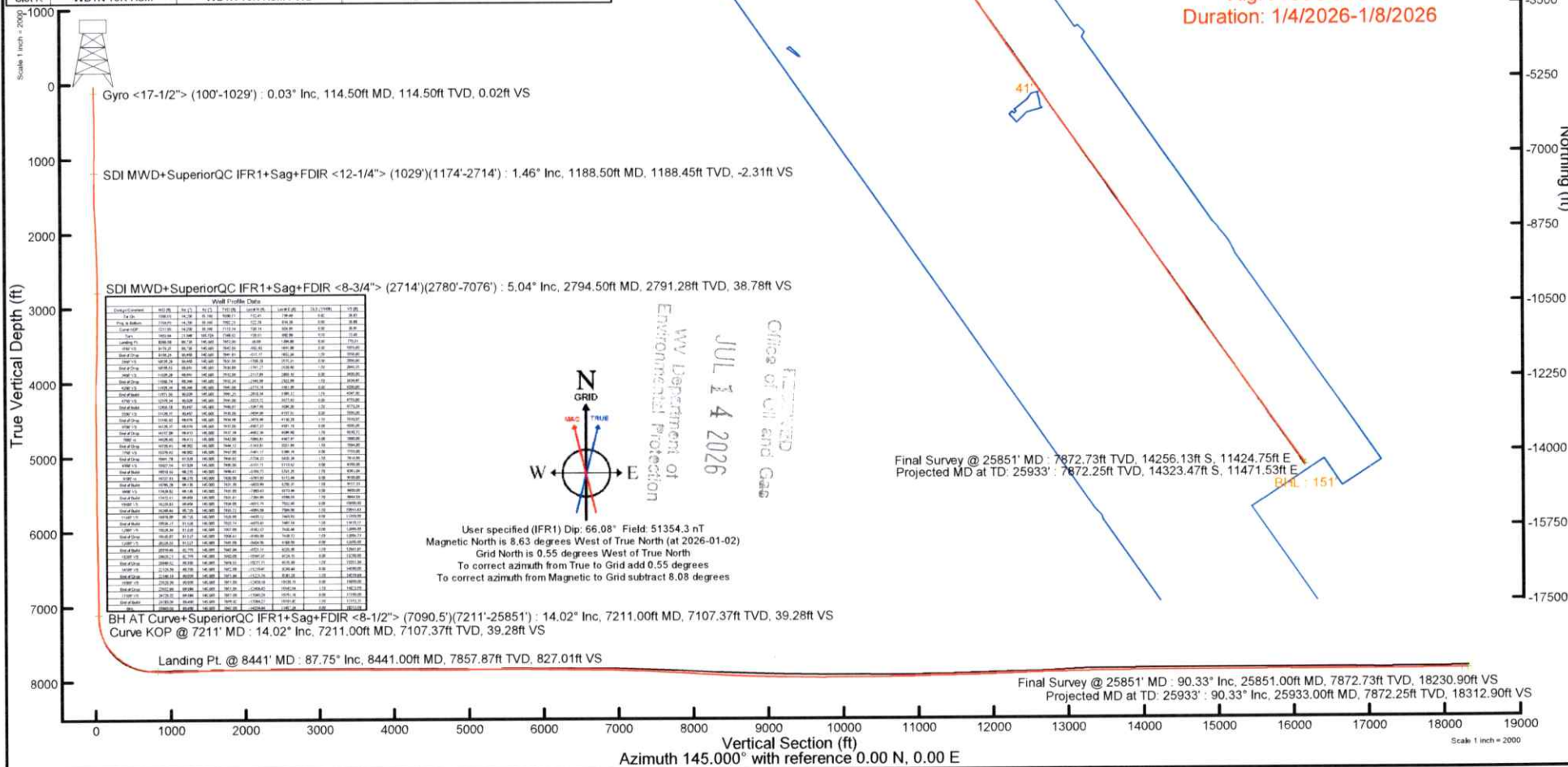
Well: WDTN-18K-HSM
UWI: 47-061-02003-0000
Wellbore: WDTN-18K-HSM PWB
Wellpath: WDTN-18K-HSM PWP Rev-A.0



Plot reference wellbore is WDTN-18K-HSM PWP Rev-A.0	Grid System: NAD83 / Lambert West Virginia SP, Northern Zone (KT01), 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 K): -1199 feet	Depths are in feet
Offset wellbore MDs are referenced to each path's default MD datum	Created by: edwardson on 2026-01-11, Database: WIL_MPH_EASTERNUS_Coh

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude
WDTN-18 Pad	1758359.150	434429.260	39°41'22.5131N
Slot	Local N (ft)	Local E (ft)	Longitude
Slot K	332.56	44.15	80°21'31.2000W
Slot K	332.56	44.15	1758403.300
Slot K	332.56	44.15	434761.800
Slot K	332.56	44.15	39°41'25.8038N
Slot K	332.56	44.15	80°21'30.6759W
Precision 575 (RKB) to Mud line (At Slot: Slot K)	28ft		
Mean Sea Level to Mud line (At Slot: Slot K)	-1199ft		
Precision 575 (RKB) to Mean Sea Level	1227ft		

Well Data			
Slot	Well	Wellbore	Wellpath
Slot K	WDTN-18K-HSM	WDTN-18K-HSM AWB	WDTN-18K-HSM AWP Proj. 25933'
Slot K	WDTN-18K-HSM	WDTN-18K-HSM PWB	WDTN-18K-HSM PWP Rev-A.0





Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet [32050]	Software System	WellArchitect® 7.0
North Reference	Grid	Report Generated By	Edsaryar on 2026-01-11 at 6:09:52 PM
Scale	0.999941	Last Updated	2026-01-11
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	332.56	44.15	1758403.30	434761.80	39°41'25.8038"N	80°21'30.6759"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 K)	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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Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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	175.810	0.00	0.00	0.00	0.00	1758403.30	434761.80	39°41'25.8038"N	80°21'30.6759"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	175.810	28.00	0.00	0.00	0.00	1758403.30	434761.80	39°41'25.8038"N	80°21'30.6759"W	0.00	0.000	0.00	0.00	0.00
114.50	0.030	175.810	114.50	0.02	-0.02	0.00	1758403.30	434761.78	39°41'25.8036"N	80°21'30.6759"W	0.02	175.810	0.03	0.03	0.00
214.50	0.200	205.810	214.50	0.13	-0.21	-0.07	1758403.23	434761.59	39°41'25.8017"N	80°21'30.6768"W	0.22	199.386	0.17	0.17	30.00
314.50	0.300	218.260	314.50	0.29	-0.57	-0.31	1758402.99	434761.23	39°41'25.7981"N	80°21'30.6798"W	0.65	208.644	0.11	0.10	12.45
414.50	0.200	158.820	414.50	0.53	-0.94	-0.41	1758402.89	434760.86	39°41'25.7945"N	80°21'30.6810"W	1.02	203.615	0.26	-0.10	-59.44
514.50	0.190	162.790	514.50	0.86	-1.26	-0.30	1758403.00	434760.54	39°41'25.7913"N	80°21'30.6796"W	1.29	193.304	0.02	-0.01	3.97
614.50	0.200	175.720	614.50	1.17	-1.59	-0.24	1758403.06	434760.21	39°41'25.7880"N	80°21'30.6787"W	1.61	188.419	0.05	0.01	12.93
714.50	0.280	271.660	714.50	1.17	-1.76	-0.47	1758402.83	434760.04	39°41'25.7864"N	80°21'30.6817"W	1.82	194.870	0.36	0.08	95.94
814.50	0.280	228.650	814.50	1.05	-1.91	-0.89	1758402.41	434759.89	39°41'25.7848"N	80°21'30.6871"W	2.11	205.070	0.21	0.00	-43.01
914.50	0.660	255.750	914.49	0.88	-2.21	-1.64	1758401.66	434759.59	39°41'25.7817"N	80°21'30.6966"W	2.75	216.450	0.43	0.38	27.10
1014.50	0.750	269.930	1014.48	0.30	-2.36	-2.85	1758400.45	434759.44	39°41'25.7802"N	80°21'30.7120"W	3.70	230.390	0.20	0.09	14.18
1043.50	0.850	278.270	1043.48	0.04	-2.33	-3.25	1758400.05	434759.47	39°41'25.7805"N	80°21'30.7172"W	4.00	234.411	0.53	0.34	28.76
1188.50	1.460	295.840	1188.45	-2.31	-1.37	-5.98	1758397.32	434760.43	39°41'25.7897"N	80°21'30.7522"W	6.13	257.121	0.48	0.42	12.12
1231.50	1.770	294.810	1231.43	-3.36	-0.85	-7.07	1758396.23	434760.95	39°41'25.7947"N	80°21'30.7663"W	7.12	263.152	0.72	0.72	-2.40
1274.50	1.370	311.100	1274.42	-4.43	-0.23	-8.06	1758395.24	434761.57	39°41'25.8007"N	80°21'30.7790"W	8.07	268.346	1.38	-0.93	37.88
1316.50	0.780	333.550	1316.41	-5.20	0.35	-8.57	1758394.73	434762.15	39°41'25.8065"N	80°21'30.7856"W	8.58	272.359	1.70	-1.40	53.45
1358.50	0.650	18.380	1358.41	-5.63	0.84	-8.62	1758394.68	434762.64	39°41'25.8112"N	80°21'30.7863"W	8.66	275.532	1.33	-0.31	106.74
1400.50	1.040	53.010	1400.40	-5.78	1.29	-8.24	1758395.06	434763.09	39°41'25.8158"N	80°21'30.7815"W	8.34	278.899	1.49	0.93	82.45
1443.50	1.960	76.450	1443.39	-5.53	1.70	-7.22	1758396.08	434763.50	39°41'25.8199"N	80°21'30.7684"W	7.41	283.239	2.53	2.14	54.51
1487.50	2.800	79.330	1487.35	-4.81	2.07	-5.43	1758397.87	434763.87	39°41'25.8237"N	80°21'30.7456"W	5.81	290.901	1.93	1.91	6.55
1531.50	3.530	83.740	1531.28	-3.72	2.42	-3.03	1758400.27	434764.22	39°41'25.8274"N	80°21'30.7149"W	3.87	308.650	1.75	1.66	10.02
1575.50	4.050	83.260	1575.19	-2.33	2.75	-0.14	1758403.16	434764.55	39°41'25.8309"N	80°21'30.6780"W	2.75	357.167	1.18	1.18	-1.09
1619.50	4.520	82.830	1619.06	-0.79	3.15	3.13	1758406.43	434764.95	39°41'25.8352"N	80°21'30.6363"W	4.44	44.806	1.07	1.07	-0.98
1661.50	4.660	84.730	1660.93	0.83	3.51	6.47	1758409.77	434765.31	39°41'25.8391"N	80°21'30.5936"W	7.36	61.501	0.49	0.33	4.52
1703.50	4.330	92.750	1702.80	2.65	3.59	9.75	1758413.05	434765.39	39°41'25.8402"N	80°21'30.5516"W	10.39	69.775	1.69	-0.79	19.10
1747.50	4.560	94.870	1746.67	4.79	3.36	13.15	1758416.45	434765.16	39°41'25.8383"N	80°21'30.5081"W	13.58	75.653	0.64	0.52	4.82
1834.50	4.750	95.700	1833.38	9.35	2.71	20.18	1758423.48	434764.51	39°41'25.8325"N	80°21'30.4181"W	20.36	82.345	0.23	0.22	0.95
1920.50	4.180	97.020	1919.12	13.77	1.98	26.84	1758430.14	434763.78	39°41'25.8258"N	80°21'30.3329"W	26.91	85.789	0.67	-0.66	1.53
2008.50	3.850	94.900	2006.90	17.82	1.33	32.96	1758436.26	434763.13	39°41'25.8201"N	80°21'30.2544"W	32.99	87.686	0.41	-0.37	-2.41



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
2095.50	2.840	90.900	2093.75	20.95	1.05	38.03	1758441.33	434762.85	39°41'25.8177"N	80°21'30.1896"W	38.04	88.421	1.19	-1.16	-4.60
2182.50	2.990	88.020	2180.64	23.45	1.09	42.45	1758445.75	434762.89	39°41'25.8186"N	80°21'30.1330"W	42.47	88.525	0.24	0.17	-3.31
2270.50	3.750	86.730	2268.49	26.22	1.34	47.62	1758450.92	434763.14	39°41'25.8215"N	80°21'30.0670"W	47.64	88.392	0.87	0.86	-1.47
2357.50	3.910	87.190	2355.29	29.29	1.64	53.42	1758456.72	434763.44	39°41'25.8251"N	80°21'29.9928"W	53.45	88.237	0.19	0.18	0.53
2443.50	3.150	78.450	2441.13	31.80	2.26	58.67	1758461.96	434764.06	39°41'25.8317"N	80°21'29.9258"W	58.71	87.793	1.08	-0.88	-10.16
2527.50	3.430	76.460	2524.99	33.63	3.31	63.37	1758466.67	434765.11	39°41'25.8425"N	80°21'29.8657"W	63.46	87.009	0.36	0.33	-2.37
2613.50	3.880	71.900	2610.82	35.42	4.82	68.64	1758471.93	434766.62	39°41'25.8579"N	80°21'29.7986"W	68.81	85.985	0.62	0.52	-5.30
2699.50	4.340	68.670	2696.60	37.04	6.91	74.43	1758477.73	434768.70	39°41'25.8790"N	80°21'29.7247"W	74.75	84.700	0.60	0.53	-3.76
2728.50	4.560	68.670	2725.51	37.57	7.72	76.53	1758479.82	434769.52	39°41'25.8873"N	80°21'29.6979"W	76.92	84.237	0.76	0.76	0.00
2794.50	5.040	66.730	2791.28	38.78	9.82	81.64	1758484.93	434771.62	39°41'25.9086"N	80°21'29.6329"W	82.23	83.139	0.77	0.73	-2.94
2838.50	5.450	61.170	2835.09	39.40	11.59	85.24	1758488.54	434773.39	39°41'25.9264"N	80°21'29.5870"W	86.03	82.254	1.48	0.93	-12.64
2923.50	6.130	42.030	2919.67	38.81	16.91	91.82	1758495.11	434778.71	39°41'25.9796"N	80°21'29.5035"W	93.36	79.563	2.39	0.80	-22.52
3010.50	6.330	38.260	3006.15	36.39	24.13	97.90	1758501.19	434785.93	39°41'26.0515"N	80°21'29.4266"W	100.83	76.154	0.52	0.23	-4.33
3087.50	6.220	39.540	3082.69	34.05	30.68	103.18	1758506.48	434792.48	39°41'26.1167"N	80°21'29.3598"W	107.65	73.441	0.23	-0.14	1.66
3173.50	5.930	44.300	3168.21	31.99	37.45	109.25	1758512.54	434799.25	39°41'26.1842"N	80°21'29.2830"W	115.49	71.078	0.68	-0.34	5.53
3261.50	6.060	47.320	3255.73	30.52	43.85	115.84	1758519.13	434805.65	39°41'26.2481"N	80°21'29.1995"W	123.86	69.265	0.39	0.15	3.43
3346.50	6.880	52.190	3340.19	29.67	50.02	123.16	1758526.45	434811.81	39°41'26.3097"N	80°21'29.1066"W	132.93	67.898	1.16	0.96	5.73
3432.50	8.260	55.800	3425.44	29.50	56.65	132.34	1758535.63	434818.44	39°41'26.3761"N	80°21'28.9900"W	143.95	66.827	1.70	1.60	4.20
3519.50	9.080	51.780	3511.44	29.21	64.41	142.90	1758546.19	434826.20	39°41'26.4538"N	80°21'28.8559"W	156.75	65.739	1.17	0.94	-4.62
3605.50	9.240	46.840	3596.35	27.85	73.33	153.27	1758556.56	434835.12	39°41'26.5429"N	80°21'28.7243"W	169.91	64.432	0.93	0.19	-5.74
3693.50	8.930	41.190	3683.24	25.21	83.30	162.92	1758566.21	434845.10	39°41'26.6424"N	80°21'28.6021"W	182.98	62.920	1.07	-0.35	-6.42
3779.50	9.080	39.900	3768.18	21.85	93.53	171.67	1758574.96	434855.32	39°41'26.7443"N	80°21'28.4915"W	195.50	61.417	0.29	0.17	-1.50
3866.50	10.120	44.240	3853.97	18.64	104.27	181.41	1758584.70	434866.07	39°41'26.8514"N	80°21'28.3682"W	209.24	60.110	1.46	1.20	4.99
3953.50	10.610	44.810	3939.55	15.79	115.43	192.38	1758595.67	434877.22	39°41'26.9627"N	80°21'28.2292"W	224.36	59.036	0.58	0.56	0.66
4041.50	11.650	45.900	4025.89	12.95	127.36	204.48	1758607.76	434889.15	39°41'27.0817"N	80°21'28.0760"W	240.90	58.082	1.21	1.18	1.24
4129.50	12.450	51.440	4111.95	10.96	139.46	218.27	1758621.56	434901.25	39°41'27.2026"N	80°21'27.9010"W	259.02	57.425	1.60	0.91	6.30
4215.50	14.100	53.450	4195.65	10.10	151.48	233.94	1758637.23	434913.27	39°41'27.3228"N	80°21'27.7020"W	278.70	57.077	1.99	1.92	2.34
4302.50	14.740	56.770	4279.91	10.15	163.85	251.71	1758655.00	434925.64	39°41'27.4468"N	80°21'27.4762"W	300.34	56.938	1.20	0.74	3.82
4387.50	15.460	59.340	4361.98	11.35	175.56	270.50	1758673.79	434937.35	39°41'27.5643"N	80°21'27.2373"W	322.48	57.016	1.16	0.85	3.02
4472.50	15.800	58.050	4443.84	12.82	187.46	290.07	1758693.35	434949.25	39°41'27.6837"N	80°21'26.9885"W	345.37	57.127	0.57	0.40	-1.52

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4558.50	14.620	56.600	4526.82	13.75	199.63	309.06	1758712.34	434961.42	39°41'27.8058"N	80°21'26.7470"W	367.93	57.141	1.44	-1.37	-1.69
4647.50	12.580	58.560	4613.32	14.66	210.87	326.71	1758729.99	434972.65	39°41'27.9185"N	80°21'26.5226"W	388.85	57.161	2.35	-2.29	2.20
4734.50	11.390	57.740	4698.42	15.66	220.40	342.06	1758745.34	434982.18	39°41'28.0141"N	80°21'26.3275"W	406.91	57.206	1.38	-1.37	-0.94
4820.50	11.490	57.610	4782.72	16.46	229.52	356.47	1758759.75	434991.30	39°41'28.1056"N	80°21'26.1442"W	423.97	57.224	0.12	0.12	-0.15
4906.50	12.490	57.510	4866.84	17.25	239.10	371.55	1758774.83	435000.89	39°41'28.2018"N	80°21'25.9525"W	441.84	57.238	1.16	1.16	-0.12
4993.50	13.680	57.450	4951.58	18.11	249.69	388.16	1758791.43	435011.47	39°41'28.3080"N	80°21'25.7414"W	461.53	57.248	1.37	1.37	-0.07
5079.50	13.480	54.480	5035.18	18.45	260.98	404.89	1758808.16	435022.77	39°41'28.4212"N	80°21'25.5288"W	481.71	57.195	0.84	-0.23	-3.45
5212.50	12.820	54.910	5164.69	18.28	278.47	429.58	1758832.85	435040.26	39°41'28.5963"N	80°21'25.2151"W	511.94	57.047	0.50	-0.50	0.32
5297.50	12.260	54.550	5247.66	18.20	289.13	444.65	1758847.92	435050.91	39°41'28.7031"N	80°21'25.0236"W	530.38	56.966	0.67	-0.66	-0.42
5384.50	11.440	53.700	5332.80	17.93	299.59	459.13	1758862.40	435061.38	39°41'28.8079"N	80°21'24.8397"W	548.23	56.874	0.96	-0.94	-0.98
5472.50	11.490	50.330	5419.05	17.02	310.36	472.91	1758876.18	435072.14	39°41'28.9155"N	80°21'24.6647"W	565.65	56.724	0.76	0.06	-3.83
5560.50	12.640	54.270	5505.11	16.18	321.57	487.47	1758890.74	435083.35	39°41'29.0278"N	80°21'24.4798"W	583.98	56.588	1.61	1.31	4.48
5646.50	14.020	57.030	5588.79	16.43	332.74	503.85	1758907.12	435094.52	39°41'29.1396"N	80°21'24.2717"W	603.80	56.559	1.77	1.60	3.21
5732.50	15.350	61.220	5671.98	18.03	343.89	522.57	1758925.83	435105.67	39°41'29.2516"N	80°21'24.0336"W	625.57	56.652	1.98	1.55	4.87
5817.50	15.450	60.210	5753.93	20.28	354.93	542.25	1758945.52	435116.71	39°41'29.3626"N	80°21'23.7832"W	648.08	56.793	0.34	0.12	-1.19
5905.50	14.410	55.580	5838.96	21.46	366.94	561.46	1758964.73	435128.72	39°41'29.4831"N	80°21'23.5389"W	670.73	56.833	1.80	-1.18	-5.26
5993.50	14.470	56.330	5924.18	21.82	379.23	579.64	1758982.91	435141.01	39°41'29.6062"N	80°21'23.3079"W	692.68	56.805	0.22	0.07	0.85
6080.50	14.570	61.010	6008.40	23.22	390.56	598.26	1759001.52	435152.34	39°41'29.7199"N	80°21'23.0711"W	714.46	56.863	1.35	0.11	5.38
6167.50	13.830	60.910	6092.74	25.44	400.92	616.92	1759020.18	435162.69	39°41'29.8241"N	80°21'22.8337"W	735.75	56.981	0.85	-0.85	-0.11
6253.50	13.670	60.080	6176.28	27.40	410.98	634.71	1759037.97	435172.76	39°41'29.9252"N	80°21'22.6073"W	756.15	57.076	0.30	-0.19	-0.97
6340.50	13.030	59.450	6260.93	29.07	421.10	652.07	1759055.33	435182.87	39°41'30.0268"N	80°21'22.3866"W	776.22	57.146	0.75	-0.74	-0.72
6428.50	12.130	56.140	6346.81	30.02	431.29	668.29	1759071.55	435193.07	39°41'30.1291"N	80°21'22.1803"W	795.37	57.163	1.31	-1.02	-3.76
6512.50	12.230	58.180	6428.92	30.69	440.90	683.18	1759086.43	435202.67	39°41'30.2254"N	80°21'21.9910"W	813.09	57.163	0.53	0.12	2.43
6598.50	12.510	60.380	6512.93	32.07	450.31	699.01	1759102.27	435212.08	39°41'30.3199"N	80°21'21.7896"W	831.50	57.210	0.64	0.33	2.56
6685.50	13.290	57.890	6597.73	33.46	460.28	715.67	1759118.93	435222.05	39°41'30.4200"N	80°21'21.5777"W	850.91	57.253	1.10	0.90	-2.86
6772.50	14.150	56.580	6682.25	34.25	471.45	733.02	1759136.28	435233.22	39°41'30.5321"N	80°21'21.3572"W	871.54	57.252	1.05	0.99	-1.51
6858.50	14.010	58.500	6765.67	35.18	482.68	750.67	1759153.93	435244.45	39°41'30.6447"N	80°21'21.1328"W	892.46	57.259	0.57	-0.16	2.23
6945.50	14.370	61.050	6850.01	36.96	493.41	769.10	1759172.35	435255.18	39°41'30.7524"N	80°21'20.8984"W	913.76	57.318	0.83	0.41	2.93
7033.50	14.340	57.220	6935.27	38.53	504.59	787.82	1759191.07	435266.36	39°41'30.8648"N	80°21'20.6603"W	935.56	57.361	1.08	-0.03	-4.35
7090.50	14.200	55.160	6990.51	38.83	512.41	799.49	1759202.74	435274.18	39°41'30.9431"N	80°21'20.5120"W	949.60	57.343	0.92	-0.25	-3.61



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
7211.00	14.020	56.630	7107.37	39.28	528.88	823.81	1759227.06	435290.65	39°41'31.1082"N	80°21'20.2029"W	978.97	57.300	0.33	-0.15	1.22
7306.00	14.310	81.200	7199.57	44.80	537.02	845.04	1759248.29	435298.78	39°41'31.1905"N	80°21'19.9323"W	1001.24	57.564	6.29	0.31	25.86
7400.00	16.960	98.000	7290.13	59.29	536.88	870.11	1759273.36	435298.65	39°41'31.1916"N	80°21'19.6115"W	1022.42	58.324	5.55	2.82	17.87
7495.00	21.610	118.290	7379.87	84.41	526.65	899.29	1759302.53	435288.42	39°41'31.0932"N	80°21'19.2371"W	1042.15	59.646	8.52	4.89	21.36
7589.00	30.130	129.880	7464.43	122.74	503.26	932.72	1759335.96	435265.03	39°41'30.8652"N	80°21'18.8066"W	1059.83	61.650	10.50	9.06	12.33
7684.00	37.000	132.480	7543.54	173.73	468.62	972.15	1759375.39	435230.40	39°41'30.5266"N	80°21'18.2981"W	1079.20	64.264	7.39	7.23	2.74
7778.00	44.090	134.390	7614.93	233.56	426.59	1016.43	1759419.67	435188.36	39°41'30.1154"N	80°21'17.7265"W	1102.32	67.233	7.66	7.54	2.03
7873.00	52.000	135.940	7678.40	303.12	376.49	1066.16	1759469.40	435138.27	39°41'29.6249"N	80°21'17.0843"W	1130.68	70.550	8.41	8.33	1.63
7968.00	57.510	135.460	7733.20	379.66	320.99	1120.34	1759523.57	435082.77	39°41'29.0816"N	80°21'16.3846"W	1165.41	74.012	5.81	5.80	-0.51
8062.00	64.720	135.770	7778.57	460.81	262.21	1177.86	1759581.09	435023.99	39°41'28.5060"N	80°21'15.6416"W	1206.70	77.450	7.68	7.67	0.33
8157.00	71.430	138.550	7814.03	548.06	197.60	1237.71	1759640.93	434959.38	39°41'27.8731"N	80°21'14.8682"W	1253.38	80.929	7.57	7.06	2.93
8251.00	78.410	141.030	7838.48	638.39	128.31	1296.24	1759699.46	434890.10	39°41'27.1939"N	80°21'14.1111"W	1302.57	84.347	7.85	7.43	2.64
8346.00	85.190	143.270	7852.02	732.24	54.10	1353.88	1759757.10	434815.90	39°41'26.4659"N	80°21'13.3647"W	1354.96	87.712	7.51	7.14	2.36
8441.00	87.750	143.280	7857.87	827.01	-21.89	1410.58	1759813.79	434739.91	39°41'25.7203"N	80°21'12.6303"W	1410.75	90.889	2.69	2.69	0.01
8536.00	86.890	142.970	7862.31	921.85	-97.80	1467.52	1759870.73	434664.00	39°41'24.9754"N	80°21'11.8927"W	1470.78	93.813	0.96	-0.91	-0.33
8630.00	93.330	144.910	7862.13	1015.78	-173.75	1522.82	1759926.03	434588.06	39°41'24.2301"N	80°21'11.1761"W	1532.70	96.509	7.15	6.85	2.06
8724.00	92.310	143.340	7857.51	1109.65	-249.82	1577.84	1759981.04	434511.99	39°41'23.4834"N	80°21'10.4632"W	1597.49	98.997	1.99	-1.09	-1.67
8819.00	92.090	142.830	7853.86	1204.53	-325.72	1634.86	1760038.06	434436.10	39°41'22.7387"N	80°21'9.7246"W	1666.99	101.268	0.58	-0.23	-0.54
9008.00	91.540	143.950	7847.87	1393.36	-477.35	1747.51	1760150.70	434284.48	39°41'21.2507"N	80°21'8.2653"W	1811.54	105.278	0.66	-0.29	0.59
9103.00	91.140	143.970	7845.65	1488.31	-554.15	1803.39	1760206.58	434207.68	39°41'20.4970"N	80°21'7.5412"W	1886.61	107.081	0.42	-0.42	0.02
9197.00	90.840	143.270	7844.03	1582.27	-629.82	1859.13	1760262.32	434132.02	39°41'19.7545"N	80°21'6.8190"W	1962.92	108.715	0.81	-0.32	-0.74
9292.00	90.990	143.250	7842.51	1677.22	-705.94	1915.95	1760319.14	434055.91	39°41'19.0075"N	80°21'6.0830"W	2041.87	110.226	0.16	0.16	-0.02
9387.00	90.680	141.670	7841.12	1772.11	-781.25	1973.83	1760377.01	433980.59	39°41'18.2686"N	80°21'5.3336"W	2122.82	111.594	1.69	-0.33	-1.66
9482.00	90.740	142.540	7839.95	1866.98	-856.22	2032.18	1760435.35	433905.64	39°41'17.5333"N	80°21'4.5782"W	2205.19	112.847	0.92	0.06	0.92
9576.00	90.220	142.930	7839.16	1960.90	-931.02	2089.09	1760492.27	433830.83	39°41'16.7993"N	80°21'3.8412"W	2287.16	114.021	0.69	-0.55	0.41
9766.00	89.880	143.900	7838.99	2150.83	-1083.59	2202.33	1760605.50	433678.28	39°41'15.3022"N	80°21'2.3742"W	2454.47	116.198	0.54	-0.18	0.51
9861.00	89.820	143.480	7839.24	2245.80	-1160.14	2258.59	1760661.75	433601.73	39°41'14.5509"N	80°21'1.6454"W	2539.12	117.188	0.45	-0.06	-0.44
9956.00	92.310	144.420	7837.48	2340.76	-1236.93	2314.48	1760717.64	433524.95	39°41'13.7973"N	80°21'0.9213"W	2624.27	118.121	2.80	2.62	0.99
10050.00	89.720	144.860	7835.81	2434.74	-1313.57	2368.87	1760772.02	433448.31	39°41'13.0450"N	80°21'0.2164"W	2708.69	119.009	2.79	-2.76	0.47
10144.00	89.810	144.930	7836.20	2528.74	-1390.47	2422.92	1760826.08	433371.42	39°41'12.2900"N	80°20'59.5156"W	2793.56	119.851	0.12	0.10	0.07

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OFFICE OF OIL AND GAS



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
10239.00	90.400	145.490	7836.02	2623.73	-1468.49	2477.13	1760880.28	433293.40	39°41'11.5241"N	80°20'58.8129"W	2879.69	120.660	0.86	0.62	0.59
10334.00	90.060	145.890	7835.64	2718.73	-1546.95	2530.67	1760933.82	433214.94	39°41'10.7536"N	80°20'58.1185"W	2966.04	121.437	0.55	-0.36	0.42
10429.00	89.350	144.010	7836.13	2813.72	-1624.72	2585.23	1760988.37	433137.18	39°41'9.9902"N	80°20'57.4114"W	3053.38	122.148	2.12	-0.75	-1.98
10523.00	90.280	144.890	7836.44	2907.71	-1701.20	2639.88	1761043.02	433060.70	39°41'9.2395"N	80°20'56.7031"W	3140.55	122.799	1.36	0.99	0.94
10618.00	89.940	144.910	7836.25	3002.71	-1778.92	2694.50	1761097.64	432982.99	39°41'8.4765"N	80°20'55.9950"W	3228.76	123.433	0.36	-0.36	0.02
10713.00	89.660	146.120	7836.58	3097.71	-1857.23	2748.29	1761151.42	432904.69	39°41'7.7076"N	80°20'55.2976"W	3316.99	124.050	1.31	-0.29	1.27
10808.00	89.940	146.010	7836.92	3192.69	-1936.04	2801.32	1761204.46	432825.87	39°41'6.9337"N	80°20'54.6098"W	3405.24	124.649	0.32	0.29	-0.12
10902.00	89.350	145.550	7837.50	3286.68	-2013.77	2854.19	1761257.31	432748.15	39°41'6.1705"N	80°20'53.9243"W	3493.09	125.205	0.80	-0.63	-0.49
10997.00	89.720	145.570	7838.27	3381.67	-2092.12	2907.91	1761311.03	432669.81	39°41'5.4012"N	80°20'53.2277"W	3582.30	125.733	0.39	0.39	0.02
11092.00	89.260	145.150	7839.12	3476.66	-2170.27	2961.91	1761365.03	432591.66	39°41'4.6339"N	80°20'52.5276"W	3671.92	126.231	0.66	-0.48	-0.44
11186.00	90.090	146.140	7839.65	3570.65	-2247.87	3014.95	1761418.07	432514.06	39°41'3.8719"N	80°20'51.8398"W	3760.70	126.707	1.37	0.88	1.05
11281.00	87.810	144.730	7841.39	3665.63	-2326.08	3068.84	1761471.95	432435.86	39°41'3.1040"N	80°20'51.1412"W	3850.77	127.161	2.82	-2.40	-1.48
11376.00	90.490	145.840	7842.80	3760.61	-2404.16	3122.93	1761526.04	432357.79	39°41'2.3375"N	80°20'50.4400"W	3941.15	127.591	3.05	2.82	1.17
11470.00	89.970	145.480	7842.42	3854.60	-2481.77	3175.95	1761579.06	432280.18	39°41'1.5754"N	80°20'49.7524"W	4030.61	128.005	0.67	-0.55	-0.38
11565.00	89.970	146.380	7842.47	3949.58	-2560.46	3229.17	1761632.27	432201.49	39°41'0.8027"N	80°20'49.0623"W	4121.11	128.411	0.95	0.00	0.95
11659.00	89.540	145.310	7842.87	4043.57	-2638.25	3281.94	1761685.04	432123.71	39°41'0.0389"N	80°20'48.3779"W	4210.88	128.795	1.23	-0.46	-1.14
11754.00	89.200	145.590	7843.92	4138.56	-2716.49	3335.82	1761738.91	432045.48	39°40'59.2707"N	80°20'47.6795"W	4301.97	129.157	0.46	-0.36	0.29
11848.00	88.800	145.650	7845.56	4232.54	-2794.06	3388.89	1761791.98	431967.91	39°40'58.5091"N	80°20'46.9913"W	4392.19	129.505	0.43	-0.43	0.06
11942.00	90.490	145.560	7846.14	4326.53	-2871.62	3441.99	1761845.08	431890.36	39°40'57.7475"N	80°20'46.3029"W	4482.57	129.838	1.80	1.80	-0.10
12037.00	90.120	146.040	7845.63	4421.52	-2950.19	3495.38	1761898.47	431811.79	39°40'56.9760"N	80°20'45.6105"W	4573.98	130.165	0.64	-0.39	0.51
12132.00	90.210	145.620	7845.36	4516.51	-3028.79	3548.74	1761951.82	431733.20	39°40'56.2042"N	80°20'44.9186"W	4665.52	130.480	0.45	0.09	-0.44
12226.00	89.600	145.180	7845.52	4610.51	-3106.16	3602.12	1762005.20	431655.83	39°40'55.4445"N	80°20'44.2266"W	4756.41	130.772	0.80	-0.65	-0.47
12321.00	90.180	145.430	7845.70	4705.51	-3184.27	3656.19	1762059.27	431577.72	39°40'54.6776"N	80°20'43.5256"W	4848.43	131.053	0.66	0.61	0.26
12416.00	91.040	145.720	7844.69	4800.49	-3262.63	3709.89	1762112.97	431499.37	39°40'53.9082"N	80°20'42.8294"W	4940.45	131.330	0.96	0.91	0.31
12510.00	90.770	146.130	7843.20	4894.47	-3340.48	3762.55	1762165.62	431421.52	39°40'53.1437"N	80°20'42.1465"W	5031.46	131.599	0.52	-0.29	0.44
12605.00	90.430	146.020	7842.21	4989.45	-3419.30	3815.57	1762218.64	431342.71	39°40'52.3697"N	80°20'41.4590"W	5123.49	131.865	0.38	-0.36	-0.12
12699.00	90.090	145.800	7841.78	5083.44	-3497.15	3868.25	1762271.32	431264.86	39°40'51.6053"N	80°20'40.7758"W	5214.73	132.116	0.43	-0.36	-0.23
12793.00	90.430	145.070	7841.36	5177.43	-3574.55	3921.58	1762324.65	431187.46	39°40'50.8452"N	80°20'40.0844"W	5306.25	132.349	0.86	0.36	-0.78
12888.00	90.340	145.400	7840.72	5272.43	-3652.59	3975.75	1762378.81	431109.43	39°40'50.0790"N	80°20'39.3823"W	5398.89	132.574	0.36	-0.09	0.35
12982.00	90.000	146.760	7840.44	5366.41	-3730.59	4028.21	1762431.26	431031.43	39°40'49.3131"N	80°20'38.7021"W	5490.34	132.803	1.49	-0.36	1.45



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
13077.00	89.660	145.250	7840.72	5461.39	-3809.35	4081.32	1762484.37	430952.68	39°40'48.5396"N	80°20'38.0133"W	5582.86	133.026	1.63	-0.36	-1.59
13172.00	89.630	145.820	7841.31	5556.38	-3887.68	4135.08	1762538.13	430874.36	39°40'47.7706"N	80°20'37.3163"W	5675.64	133.234	0.60	-0.03	0.60
13266.00	90.430	144.930	7841.26	5650.38	-3965.03	4188.49	1762591.54	430797.01	39°40'47.0111"N	80°20'36.6240"W	5767.57	133.430	1.27	0.85	-0.95
13361.00	89.410	145.610	7841.39	5745.38	-4043.10	4242.61	1762645.65	430718.94	39°40'46.2446"N	80°20'35.9224"W	5860.58	133.621	1.29	-1.07	0.72
13456.00	89.350	145.190	7842.42	5840.37	-4121.29	4296.55	1762699.59	430640.75	39°40'45.4768"N	80°20'35.2232"W	5953.61	133.807	0.45	-0.06	-0.44
13550.00	89.170	145.580	7843.63	5934.36	-4198.65	4349.95	1762752.98	430563.41	39°40'44.7173"N	80°20'34.5311"W	6045.72	133.986	0.46	-0.19	0.41
13645.00	90.030	145.500	7844.30	6029.35	-4276.98	4403.70	1762806.73	430485.08	39°40'43.9482"N	80°20'33.8342"W	6138.82	134.164	0.91	0.91	-0.08
13739.00	87.970	145.210	7845.94	6123.33	-4354.29	4457.13	1762860.16	430407.77	39°40'43.1891"N	80°20'33.1417"W	6231.04	134.331	2.21	-2.19	-0.31
13834.00	89.600	145.770	7847.95	6218.30	-4432.55	4510.93	1762913.96	430329.51	39°40'42.4206"N	80°20'32.4441"W	6324.24	134.498	1.81	1.72	0.59
13928.00	89.480	145.830	7848.71	6312.29	-4510.30	4563.77	1762966.79	430251.78	39°40'41.6572"N	80°20'31.7591"W	6416.44	134.662	0.14	-0.13	0.06
14023.00	89.540	145.640	7849.52	6407.28	-4588.81	4617.25	1763020.27	430173.27	39°40'40.8863"N	80°20'31.0657"W	6509.70	134.823	0.21	0.06	-0.20
14117.00	89.540	146.010	7850.27	6501.27	-4666.57	4670.05	1763073.07	430095.51	39°40'40.1227"N	80°20'30.3811"W	6601.99	134.979	0.39	0.00	0.39
14212.00	90.310	145.810	7850.40	6596.25	-4745.25	4723.30	1763126.31	430016.84	39°40'39.3501"N	80°20'29.6907"W	6695.29	135.133	0.84	0.81	-0.21
14307.00	90.000	146.030	7850.14	6691.24	-4823.93	4776.53	1763179.54	429938.16	39°40'38.5774"N	80°20'29.0005"W	6788.64	135.283	0.40	-0.33	0.23
14401.00	88.650	144.190	7851.25	6785.23	-4901.02	4830.29	1763233.30	429861.07	39°40'37.8205"N	80°20'28.3038"W	6881.26	135.416	2.43	-1.44	-1.96
14495.00	88.310	144.390	7853.74	6879.19	-4977.32	4885.14	1763288.14	429784.78	39°40'37.0715"N	80°20'27.5932"W	6974.12	135.536	0.42	-0.36	0.21
14590.00	87.660	144.740	7857.08	6974.12	-5054.68	4940.18	1763343.19	429707.43	39°40'36.3121"N	80°20'26.8800"W	7067.90	135.656	0.78	-0.68	0.37
14685.00	88.000	142.920	7860.68	7069.03	-5131.31	4996.21	1763399.21	429630.80	39°40'35.5600"N	80°20'26.1543"W	7161.88	135.764	1.95	0.36	-1.92
14779.00	88.740	144.780	7863.35	7162.97	-5207.18	5051.63	1763454.63	429554.94	39°40'34.8154"N	80°20'25.4364"W	7254.91	135.869	2.13	0.79	1.98
14873.00	87.440	144.850	7866.49	7256.92	-5283.96	5105.77	1763508.76	429478.16	39°40'34.0616"N	80°20'24.7350"W	7347.73	135.983	1.38	-1.38	0.07
14968.00	87.080	144.590	7871.03	7351.81	-5361.42	5160.57	1763563.56	429400.70	39°40'33.3011"N	80°20'24.0248"W	7441.53	136.094	0.47	-0.38	-0.27
15062.00	86.580	144.090	7876.23	7445.65	-5437.68	5215.29	1763618.27	429324.45	39°40'32.5525"N	80°20'23.3160"W	7534.43	136.196	0.75	-0.53	-0.53
15157.00	87.230	145.140	7881.36	7540.51	-5515.02	5270.22	1763673.20	429247.12	39°40'31.7933"N	80°20'22.6043"W	7628.28	136.300	1.30	0.68	1.11
15251.00	86.730	141.050	7886.31	7634.31	-5590.06	5326.57	1763729.55	429172.08	39°40'31.0569"N	80°20'21.8746"W	7721.48	136.383	4.38	-0.53	-4.35
15346.00	87.380	144.480	7891.19	7729.10	-5665.59	5383.97	1763786.95	429096.56	39°40'30.3158"N	80°20'21.1316"W	7815.76	136.460	3.67	0.68	3.61
15441.00	87.780	146.650	7895.20	7824.00	-5743.87	5437.64	1763840.61	429018.28	39°40'29.5471"N	80°20'20.4359"W	7909.48	136.569	2.32	0.42	2.28
15535.00	86.700	144.200	7899.73	7917.88	-5821.17	5490.92	1763893.88	428940.99	39°40'28.7881"N	80°20'19.7453"W	8002.26	136.672	2.85	-1.15	-2.61
15630.00	86.060	144.790	7905.73	8012.69	-5898.35	5545.98	1763948.94	428863.81	39°40'28.0304"N	80°20'19.0320"W	8096.20	136.764	0.92	-0.67	0.62
15724.00	86.980	144.050	7911.43	8106.51	-5974.66	5600.57	1764003.53	428787.51	39°40'27.2813"N	80°20'18.3247"W	8189.20	136.851	1.26	0.98	-0.79
15819.00	86.520	144.460	7916.82	8201.35	-6051.64	5655.98	1764058.94	428710.53	39°40'26.5257"N	80°20'17.6070"W	8283.26	136.936	0.65	-0.48	0.43

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
15913.00	86.890	144.760	7922.22	8295.19	-6128.14	5710.33	1764113.28	428634.03	39°40'25.7746"N	80°20'16.9028"W	8376.27	137.021	0.51	0.39	0.32
16008.00	86.800	144.380	7927.45	8390.04	-6205.43	5765.32	1764168.27	428556.74	39°40'25.0159"N	80°20'16.1904"W	8470.32	137.106	0.41	-0.09	-0.40
16102.00	86.980	144.560	7932.55	8483.90	-6281.82	5819.86	1764222.81	428480.36	39°40'24.2660"N	80°20'15.4838"W	8563.41	137.186	0.27	0.19	0.19
16196.00	87.910	144.850	7936.74	8577.80	-6358.46	5874.12	1764277.06	428403.72	39°40'23.5136"N	80°20'14.7808"W	8656.52	137.267	1.04	0.99	0.31
16291.00	87.780	144.450	7940.31	8672.73	-6435.89	5929.04	1764331.98	428326.30	39°40'22.7534"N	80°20'14.0692"W	8750.67	137.347	0.44	-0.14	-0.42
16385.00	87.840	144.620	7943.91	8766.66	-6512.40	5983.54	1764386.48	428249.80	39°40'22.0024"N	80°20'13.3631"W	8843.87	137.423	0.19	0.06	0.18
16480.00	88.830	144.710	7946.67	8861.62	-6589.86	6038.46	1764441.40	428172.34	39°40'21.2418"N	80°20'12.6516"W	8938.08	137.500	1.05	1.04	0.09
16574.00	88.430	144.220	7948.91	8955.59	-6666.33	6093.08	1764496.01	428095.87	39°40'20.4911"N	80°20'11.9441"W	9031.37	137.572	0.67	-0.43	-0.52
16669.00	88.830	144.360	7951.19	9050.55	-6743.45	6148.51	1764551.44	428018.76	39°40'19.7341"N	80°20'11.2260"W	9125.70	137.642	0.45	0.42	0.15
16764.00	88.680	144.680	7953.25	9145.53	-6820.79	6203.64	1764606.56	427941.42	39°40'18.9749"N	80°20'10.5118"W	9220.00	137.713	0.37	-0.16	0.34
16858.00	88.700	144.490	7955.40	9239.50	-6897.38	6258.10	1764661.02	427864.84	39°40'18.2230"N	80°20'9.8063"W	9313.30	137.782	0.20	0.02	-0.20
16953.00	88.740	144.450	7957.52	9334.47	-6974.67	6313.29	1764716.21	427787.55	39°40'17.4642"N	80°20'9.0913"W	9407.64	137.849	0.06	0.04	-0.04
17048.00	88.950	143.930	7959.44	9429.44	-7051.70	6368.87	1764771.78	427710.53	39°40'16.7081"N	80°20'8.3715"W	9502.05	137.913	0.59	0.22	-0.55
17142.00	89.050	144.120	7961.08	9523.42	-7127.76	6424.08	1764826.99	427634.47	39°40'15.9615"N	80°20'7.6565"W	9595.50	137.972	0.23	0.11	0.20
17237.00	89.660	144.940	7962.15	9618.41	-7205.12	6479.20	1764882.10	427557.12	39°40'15.2020"N	80°20'6.9424"W	9689.88	138.037	1.08	0.64	0.86
17332.00	90.090	144.460	7962.35	9713.40	-7282.65	6534.09	1764937.00	427479.59	39°40'14.4408"N	80°20'6.2312"W	9784.24	138.101	0.68	0.45	-0.51
17426.00	90.310	144.870	7962.02	9807.40	-7359.34	6588.46	1764991.36	427402.91	39°40'13.6880"N	80°20'5.5269"W	9877.63	138.163	0.49	0.23	0.44
17521.00	90.640	144.830	7961.24	9902.40	-7437.01	6643.15	1765046.05	427325.24	39°40'12.9254"N	80°20'4.8183"W	9971.99	138.227	0.35	0.35	-0.04
17616.00	90.520	144.400	7960.28	9997.39	-7514.46	6698.16	1765101.05	427247.80	39°40'12.1650"N	80°20'4.1057"W	10066.40	138.287	0.47	-0.13	-0.45
17711.00	90.550	144.530	7959.39	10092.38	-7591.76	6753.37	1765156.26	427170.50	39°40'11.4061"N	80°20'3.3905"W	10160.85	138.345	0.14	0.03	0.14
17805.00	90.120	144.190	7958.84	10186.37	-7668.15	6808.14	1765211.03	427094.11	39°40'10.6562"N	80°20'2.6810"W	10254.33	138.400	0.58	-0.46	-0.36
17900.00	90.150	145.050	7958.62	10281.37	-7745.61	6863.15	1765266.03	427016.66	39°40'9.8958"N	80°20'1.9685"W	10348.78	138.457	0.91	0.03	0.91
17994.00	90.640	145.780	7957.97	10375.36	-7823.00	6916.50	1765319.38	426939.28	39°40'9.1359"N	80°20'1.2770"W	10442.09	138.519	0.94	0.52	0.78
18089.00	90.370	145.480	7957.13	10470.36	-7901.41	6970.13	1765373.01	426860.87	39°40'8.3659"N	80°20'0.5819"W	10536.36	138.583	0.42	-0.28	-0.32
18184.00	90.730	145.280	7956.22	10565.35	-7979.58	7024.10	1765426.97	426782.70	39°40'7.5983"N	80°19'59.8825"W	10630.70	138.644	0.43	0.38	-0.21
18278.00	91.130	145.800	7954.69	10659.33	-8057.08	7077.28	1765480.15	426705.21	39°40'6.8373"N	80°19'59.1933"W	10724.01	138.704	0.70	0.43	0.55
18373.00	90.980	145.610	7952.94	10754.31	-8135.55	7130.80	1765533.67	426626.75	39°40'6.0667"N	80°19'58.4997"W	10818.29	138.765	0.25	-0.16	-0.20
18468.00	91.100	145.820	7951.22	10849.28	-8214.03	7184.30	1765587.17	426548.27	39°40'5.2960"N	80°19'57.8062"W	10912.58	138.826	0.25	0.13	0.22
18562.00	91.660	145.790	7948.95	10943.25	-8291.75	7237.12	1765639.98	426470.55	39°40'4.5327"N	80°19'57.1216"W	11005.87	138.885	0.60	0.60	-0.03
18657.00	91.350	144.700	7946.46	11038.21	-8369.78	7291.26	1765694.11	426392.53	39°40'3.7666"N	80°19'56.4201"W	11100.25	138.940	1.19	-0.33	-1.15



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UVI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
18751.00	92.240	146.410	7943.52	11132.16	-8447.25	7344.39	1765747.25	426315.06	39°40'3.0058"N	80°19'55.7315"W	11193.58	138.995	2.05	0.95	1.82
18846.00	91.410	146.780	7940.49	11227.07	-8526.52	7396.67	1765799.52	426235.80	39°40'2.2272"N	80°19'55.0536"W	11287.70	139.059	0.96	-0.87	0.39
18941.00	90.920	145.440	7938.56	11322.03	-8605.36	7449.63	1765852.48	426156.96	39°40'1.4529"N	80°19'54.3671"W	11381.97	139.117	1.50	-0.52	-1.41
19035.00	90.920	145.060	7937.05	11416.02	-8682.59	7503.20	1765906.05	426079.74	39°40'0.6946"N	80°19'53.6730"W	11475.42	139.168	0.40	0.00	-0.40
19130.00	91.160	145.440	7935.32	11511.00	-8760.63	7557.34	1765960.19	426001.70	39°39'59.9283"N	80°19'52.9714"W	11569.88	139.217	0.47	0.25	0.40
19225.00	91.010	145.160	7933.53	11605.98	-8838.72	7611.42	1766014.25	425923.62	39°39'59.1615"N	80°19'52.2708"W	11664.33	139.267	0.33	-0.16	-0.29
19319.00	91.040	144.950	7931.84	11699.97	-8915.76	7665.25	1766068.08	425846.58	39°39'58.4051"N	80°19'51.5733"W	11757.84	139.313	0.23	0.03	-0.22
19414.00	91.720	145.900	7929.56	11794.94	-8993.96	7719.14	1766121.98	425768.39	39°39'57.6372"N	80°19'50.8749"W	11852.28	139.362	1.23	0.72	1.00
19509.00	91.660	145.430	7926.75	11889.89	-9072.37	7772.70	1766175.53	425689.98	39°39'56.8672"N	80°19'50.1808"W	11946.66	139.412	0.50	-0.06	-0.49
19603.00	91.600	145.240	7924.08	11983.85	-9149.65	7826.15	1766228.97	425612.70	39°39'56.1083"N	80°19'49.4883"W	12040.13	139.458	0.21	-0.06	-0.20
19698.00	91.840	145.650	7921.23	12078.80	-9227.86	7880.01	1766282.83	425534.50	39°39'55.3403"N	80°19'48.7904"W	12134.57	139.505	0.50	0.25	0.43
19792.00	91.500	145.820	7918.49	12172.76	-9305.51	7932.91	1766335.73	425456.86	39°39'54.5778"N	80°19'48.1048"W	12227.98	139.553	0.40	-0.36	0.18
19887.00	92.370	145.620	7915.28	12267.69	-9383.96	7986.38	1766389.20	425378.41	39°39'53.8073"N	80°19'47.4118"W	12322.38	139.600	0.94	0.92	-0.21
20077.00	91.780	145.150	7908.40	12457.56	-9540.23	8094.24	1766497.05	425222.15	39°39'52.2729"N	80°19'46.0142"W	12511.30	139.688	0.40	-0.31	-0.25
20171.00	91.970	145.370	7905.33	12551.51	-9617.43	8147.78	1766550.59	425144.96	39°39'51.5148"N	80°19'45.3205"W	12604.81	139.729	0.31	0.20	0.23
20361.00	90.950	145.940	7900.49	12741.43	-9774.25	8254.94	1766657.74	424988.14	39°39'49.9747"N	80°19'43.9319"W	12793.75	139.817	0.61	-0.54	0.30
20456.00	91.010	145.820	7898.86	12836.41	-9852.88	8308.22	1766711.01	424909.51	39°39'49.2025"N	80°19'43.2413"W	12888.20	139.862	0.14	0.06	-0.13
20550.00	91.560	145.630	7896.75	12930.38	-9930.54	8361.14	1766763.93	424831.86	39°39'48.4398"N	80°19'42.5555"W	12981.69	139.904	0.62	0.59	-0.20
20645.00	91.260	145.140	7894.42	13025.35	-10008.70	8415.09	1766817.88	424753.71	39°39'47.6723"N	80°19'41.8564"W	13076.23	139.944	0.60	-0.32	-0.52
20739.00	91.380	145.650	7892.25	13119.32	-10086.05	8468.46	1766871.25	424676.36	39°39'46.9128"N	80°19'41.1649"W	13169.78	139.982	0.56	0.13	0.54
20834.00	91.160	145.010	7890.14	13214.29	-10164.16	8522.49	1766925.27	424598.25	39°39'46.1457"N	80°19'40.4649"W	13264.35	140.021	0.71	-0.23	-0.67
20929.00	91.100	144.900	7888.27	13309.27	-10241.92	8577.03	1766979.81	424520.50	39°39'45.3822"N	80°19'39.7584"W	13358.98	140.056	0.13	-0.06	-0.12
21023.00	91.750	145.700	7885.93	13403.24	-10319.18	8630.52	1767033.30	424443.24	39°39'44.6236"N	80°19'39.0653"W	13452.56	140.092	1.10	0.69	0.85
21117.00	90.890	145.690	7883.77	13497.21	-10396.81	8683.49	1767086.26	424365.62	39°39'43.8612"N	80°19'38.3790"W	13546.09	140.131	0.91	-0.91	-0.01
21212.00	90.360	145.430	7882.73	13592.20	-10475.15	8737.21	1767139.98	424287.28	39°39'43.0919"N	80°19'37.6829"W	13640.66	140.169	0.62	-0.56	-0.27
21307.00	89.750	145.160	7882.64	13687.20	-10553.25	8791.30	1767194.06	424209.19	39°39'42.3250"N	80°19'36.9821"W	13735.28	140.204	0.70	-0.64	-0.28
21402.00	90.480	145.610	7882.45	13782.19	-10631.43	8845.26	1767248.03	424131.01	39°39'41.5572"N	80°19'36.2829"W	13829.90	140.240	0.90	0.77	0.47
21496.00	90.270	145.170	7881.83	13876.19	-10708.80	8898.65	1767301.41	424053.65	39°39'40.7975"N	80°19'35.5912"W	13923.52	140.275	0.52	-0.22	-0.47
21591.00	90.360	145.460	7881.31	13971.19	-10786.91	8952.71	1767355.47	423975.54	39°39'40.0305"N	80°19'34.8908"W	14018.15	140.309	0.32	0.09	0.31
21686.00	90.180	145.380	7880.86	14066.18	-10865.13	9006.63	1767409.38	423897.33	39°39'39.2624"N	80°19'34.1922"W	14112.77	140.343	0.21	-0.19	-0.08

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Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UVI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
21780.00	90.150	144.980	7880.59	14160.18	-10942.30	9060.30	1767463.05	423820.17	39°39'38.5046"N	80°19'33.4969"W	14206.44	140.375	0.43	-0.03	-0.43
21875.00	90.020	143.780	7880.45	14255.17	-11019.52	9115.63	1767518.38	423742.95	39°39'37.7465"N	80°19'32.7804"W	14301.21	140.402	1.27	-0.14	-1.26
21970.00	89.280	144.170	7881.03	14350.16	-11096.35	9171.50	1767574.25	423666.12	39°39'36.9923"N	80°19'32.0570"W	14396.02	140.425	0.88	-0.78	0.41
22064.00	90.050	144.740	7881.58	14444.15	-11172.83	9226.15	1767628.89	423589.64	39°39'36.2414"N	80°19'31.3494"W	14489.79	140.451	1.02	0.82	0.61
22159.00	90.090	144.600	7881.47	14539.15	-11250.34	9281.08	1767683.82	423512.14	39°39'35.4804"N	80°19'30.6379"W	14584.53	140.479	0.15	0.04	-0.15
22254.00	90.020	144.430	7881.38	14634.14	-11327.69	9336.23	1767738.96	423434.79	39°39'34.7209"N	80°19'29.9237"W	14679.30	140.505	0.19	-0.07	-0.18
22349.00	90.210	144.240	7881.18	14729.14	-11404.87	9391.62	1767794.35	423357.62	39°39'33.9632"N	80°19'29.2065"W	14774.09	140.529	0.28	0.20	-0.20
22443.00	90.420	145.190	7880.67	14823.13	-11481.60	9445.92	1767848.64	423280.89	39°39'33.2098"N	80°19'28.5033"W	14867.84	140.556	1.04	0.22	1.01
22538.00	90.300	144.120	7880.07	14918.13	-11559.09	9500.87	1767903.60	423203.41	39°39'32.4491"N	80°19'27.7915"W	14962.59	140.582	1.13	-0.13	-1.13
22633.00	90.240	144.080	7879.62	15013.12	-11636.04	9556.58	1767959.30	423126.46	39°39'31.6936"N	80°19'27.0703"W	15057.41	140.604	0.08	-0.06	-0.04
22727.00	90.890	144.360	7878.70	15107.10	-11712.30	9611.53	1768014.25	423050.21	39°39'30.9450"N	80°19'26.3587"W	15151.22	140.626	0.75	0.69	0.30
22822.00	90.580	144.750	7877.48	15202.09	-11789.69	9666.62	1768069.34	422972.83	39°39'30.1852"N	80°19'25.6453"W	15245.99	140.651	0.52	-0.33	0.41
22917.00	90.580	144.990	7876.52	15297.09	-11867.38	9721.28	1768124.00	422895.14	39°39'29.4223"N	80°19'24.9373"W	15340.73	140.677	0.25	0.00	0.25
23011.00	90.150	144.010	7875.92	15391.08	-11943.90	9775.87	1768178.58	422818.62	39°39'28.6710"N	80°19'24.2305"W	15434.52	140.700	1.14	-0.46	-1.04
23106.00	89.960	144.720	7875.83	15486.07	-12021.11	9831.22	1768233.92	422741.42	39°39'27.9130"N	80°19'23.5138"W	15529.33	140.723	0.77	-0.20	0.75
23201.00	90.150	144.580	7875.74	15581.07	-12098.60	9886.18	1768288.88	422663.94	39°39'27.1522"N	80°19'22.8020"W	15624.10	140.747	0.25	0.20	-0.15
23296.00	90.210	144.430	7875.44	15676.07	-12175.94	9941.34	1768344.04	422586.60	39°39'26.3928"N	80°19'22.0877"W	15718.90	140.769	0.17	0.06	-0.16
23390.00	89.900	144.430	7875.35	15770.06	-12252.40	9996.02	1768398.71	422510.14	39°39'25.6421"N	80°19'21.3797"W	15812.71	140.791	0.33	-0.33	0.00
23485.00	90.050	144.780	7875.39	15865.06	-12329.84	10051.05	1768453.74	422432.70	39°39'24.8818"N	80°19'20.6671"W	15907.50	140.814	0.40	0.16	0.37
23580.00	89.780	144.370	7875.53	15960.06	-12407.26	10106.11	1768508.80	422355.30	39°39'24.1217"N	80°19'19.9541"W	16002.30	140.836	0.52	-0.28	-0.43
23769.00	89.690	144.510	7876.40	16149.05	-12561.01	10216.02	1768618.70	422201.55	39°39'22.6122"N	80°19'18.5309"W	16190.92	140.878	0.09	-0.05	0.07
23864.00	89.720	144.410	7876.89	16244.04	-12638.31	10271.24	1768673.92	422124.26	39°39'21.8532"N	80°19'17.8158"W	16285.74	140.899	0.11	0.03	-0.11
23958.00	89.960	144.440	7877.15	16338.03	-12714.76	10325.93	1768728.60	422047.81	39°39'21.1026"N	80°19'17.1077"W	16379.56	140.919	0.26	0.26	0.03
24053.00	89.560	143.590	7877.55	16433.02	-12791.63	10381.75	1768784.42	421970.94	39°39'20.3480"N	80°19'16.3851"W	16474.42	140.937	0.99	-0.42	-0.89
24148.00	89.690	144.270	7878.17	16528.00	-12868.42	10437.68	1768840.35	421894.16	39°39'19.5941"N	80°19'15.6611"W	16569.29	140.954	0.73	0.14	0.72
24242.00	90.330	144.670	7878.16	16622.00	-12944.92	10492.31	1768894.97	421817.67	39°39'18.8431"N	80°19'14.9538"W	16663.11	140.974	0.80	0.68	0.43
24337.00	90.020	144.560	7877.87	16716.99	-13022.37	10547.32	1768949.98	421740.22	39°39'18.0826"N	80°19'14.2414"W	16757.92	140.995	0.35	-0.33	-0.12
24432.00	90.270	145.160	7877.63	16811.99	-13100.05	10602.00	1769004.65	421662.54	39°39'17.3198"N	80°19'13.5333"W	16852.71	141.016	0.68	0.26	0.63
24621.00	89.650	144.110	7877.76	17000.98	-13254.18	10711.38	1769114.03	421508.43	39°39'15.8065"N	80°19'12.1168"W	17041.33	141.057	0.65	-0.33	-0.56
24716.00	89.750	144.500	7878.26	17095.98	-13331.33	10766.81	1769169.46	421431.28	39°39'15.0491"N	80°19'11.3992"W	17136.18	141.075	0.42	0.11	0.41



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

WELLPATH DATA (281 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]
24811.00	90.210	144.870	7878.29	17190.97	-13408.85	10821.73	1769224.37	421353.77	39°39'14.2879"N	80°19'10.6881"W	17230.99	141.094	0.62	0.48	0.39
24905.00	90.180	144.740	7877.97	17284.97	-13485.66	10875.91	1769278.55	421276.95	39°39'13.5337"N	80°19'9.9865"W	17324.79	141.115	0.14	-0.03	-0.14
25000.00	90.050	144.630	7877.78	17379.97	-13563.18	10930.82	1769333.46	421199.44	39°39'12.7725"N	80°19'9.2754"W	17419.61	141.134	0.18	-0.14	-0.12
25189.00	90.460	143.960	7876.94	17568.95	-13716.65	11041.12	1769443.75	421045.98	39°39'11.2658"N	80°19'7.8474"W	17608.32	141.168	0.42	0.22	-0.35
25379.00	90.610	145.120	7875.16	17758.94	-13871.40	11151.34	1769553.97	420891.24	39°39'9.7463"N	80°19'6.4203"W	17797.98	141.204	0.62	0.08	0.61
25473.00	90.420	145.190	7874.32	17852.93	-13948.55	11205.05	1769607.67	420814.10	39°39'8.9888"N	80°19'5.7247"W	17891.76	141.225	0.22	-0.20	0.07
25568.00	89.840	143.770	7874.10	17947.92	-14025.86	11260.24	1769662.86	420736.79	39°39'8.2296"N	80°19'5.0101"W	17986.60	141.242	1.61	-0.61	-1.49
25662.00	90.390	144.360	7873.91	18041.91	-14101.97	11315.40	1769718.02	420660.68	39°39'7.4824"N	80°19'4.2960"W	18080.49	141.256	0.86	0.58	0.63
25757.00	90.360	144.520	7873.29	18136.90	-14179.26	11370.65	1769773.26	420583.40	39°39'6.7237"N	80°19'3.5807"W	18175.34	141.273	0.17	-0.03	0.17
25851.00	90.330	145.210	7872.73	18230.90	-14256.13	11424.75	1769827.36	420506.54	39°39'5.9688"N	80°19'2.8802"W	18269.15	141.292	0.73	-0.03	0.73
25933.00†	90.330	145.210	7872.25	18312.90	-14323.47	11471.53	1769874.14	420439.20	39°39'5.3075"N	80°19'2.2743"W	18350.96	141.309	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: WDTN-18K-HSM AWB Ref Wellpath: WDTN-18K-HSM AWP Proj: 25933'

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	0.00	0.00
20in Conductor	28.00	68.00	40.00	28.00	68.00	0.00	0.00	0.00	0.00
17 1/2in Open Hole	68.00	1124.00	1056.00	68.00	1123.97	0.00	0.00	-1.95	-4.62
13 3/8in Casing Surface	28.00	1124.00	1096.00	28.00	1123.97	0.00	0.00	-1.95	-4.62
12 1/4in Open Hole	1124.00	2768.00	1644.00	1123.97	2764.88	-1.95	-4.62	8.93	79.53
9 5/8in Casing Intermediate	28.00	2768.00	2740.00	28.00	2764.88	0.00	0.00	8.93	79.53
8 3/4in Open Hole	2768.00	7164.50	4396.50	2764.88	7062.27	8.93	79.53	522.62	814.41
8 1/2in Open Hole	7164.50	25933.00	18768.50	7062.27	7872.25	522.62	814.41	-14323.47	11471.53
5 1/2in Casing Production	28.00	25933.00	25905.00	28.00	7872.25	0.00	0.00	-14323.47	11471.53

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
WDTN-18K-HSM BHL Rev-1	7712.00	5715.09	-9667.03	1748736.86	440476.55	39°42'21.3521"N	80°23'35.0546"W	point
WDTN-18K-HSM LP Rev-1	7712.00	-1922.07	-1619.11	1756784.29	432839.85	39°41'6.6553"N	80°21'51.1497"W	point
WDTN-18 Marcellus North Lease Rev-1	7810.00	-392.37	-48.93	1758354.37	434369.45	39°41'21.9215"N	80°21'31.2538"W	point
2D Polygon:: dimensions not calculated								
WDTN-18 Marcellus South Lease Rev-1	7810.00	-392.37	-48.93	1758354.37	434369.45	39°41'21.9215"N	80°21'31.2538"W	point
2D Polygon:: dimensions not calculated								
WDTN-18K-HSM BHL Rev-2	7847.00	-14334.44	11457.24	1769859.85	420428.22	39°39'5.1978"N	80°19'2.4557"W	point
WDTN-18K-HSM BHL Rev-3	7847.00	-14334.44	11457.24	1769859.85	420428.22	39°39'5.1978"N	80°19'2.4557"W	point
WDTN-18K-HSM LP Rev-2	7847.00	36.09	1394.89	1759798.10	434797.89	39°41'26.2918"N	80°21'12.8381"W	point
WDTN-18K-HSM LP Rev-3	7852.00	36.09	1394.89	1759798.10	434797.89	39°41'26.2918"N	80°21'12.8381"W	point



Actual Wellpath Report

WDTN-18K-HSM AWP Proj: 25933'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
TMP_01_12_29.6 Parcel Rev-1	8400.00	-4548.47	-593.51	1757809.82	430213.61	39°40'40.7970"N	80°21'37.7103"W	polygon
	2D Polygon:: dimensions not calculated							
TMP_01_13A Parcel Rev-1	8400.00	-6210.88	4852.72	1763255.73	428551.30	39°40'24.8778"N	80°20'27.8601"W	polygon
	2D Polygon:: dimensions not calculated							
WDTN-18 South Lease Rev-2	8500.00	-12810.75	12235.88	1770638.44	421951.83	39°39'20.3259"N	80°18'52.6782"W	polygon
	2D Polygon:: dimensions not calculated							
WDTN-18 Utica North Lease Rev-1	13810.00	-392.37	-48.93	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	-392.37	-48.93	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-18K-HSM AWB Ref Wellpath: WDTN-18K-HSM AWP Proj: 25933'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1043.50	BH Generic gyro - continuous (Standard)	01 Gyro <17-1/2"> (100'-1029')	WDTN-18K-HSM AWB	2026-01-02
1043.50	2728.50	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	02 SDI MWD+SuperiorQC IFR1+Sag+FDIR <12-1/4"> (1029')(1174'-2714')	WDTN-18K-HSM AWB	2026-01-02
2728.50	7090.50	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	03 SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2714')(2780'-7076')	WDTN-18K-HSM AWB	2026-01-02
7090.50	25933.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	04 BH AT Curve+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7090.5')(7211'-25851')	WDTN-18K-HSM AWB	2026-01-02

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REFERENCE WELLPATH IDENTIFICATION

Operator	CNX GAS CO, LLC	Well	WDTN-18K-HSM
Field	Monongalia	UWI	47-061-02003-0000
Facility	WDTN-18 Pad	Wellbore	WDTN-18K-HSM AWB
Slot	Slot K		

COMMENTS

Wellpath general comments

API: 47-061-02003-0000

BH Job #: 112938799

Rig: Precision 575

Duration: 1/4/2026-1/8/2026

Gyro <17-1/2"> (100'-1029')

SDI MWD+SuperiorQC IFR1+Sag+FDIR <12-1/4"> (1029')(1174'-2714')

SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2714')(2780'-7076')

BH AT Curve+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7090.5')(7211'-25851')

Projected MD at TD: 25933'