



# CNX GAS CO, LLC



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

Well: WDTN-18H-HSM  
UWI: 47-061-02001-0000  
Wellbore: WDTN-18H-HSM PWB  
Wellpath: WDTN-18H-HSM PWP Rev-B.0

Easting (ft)

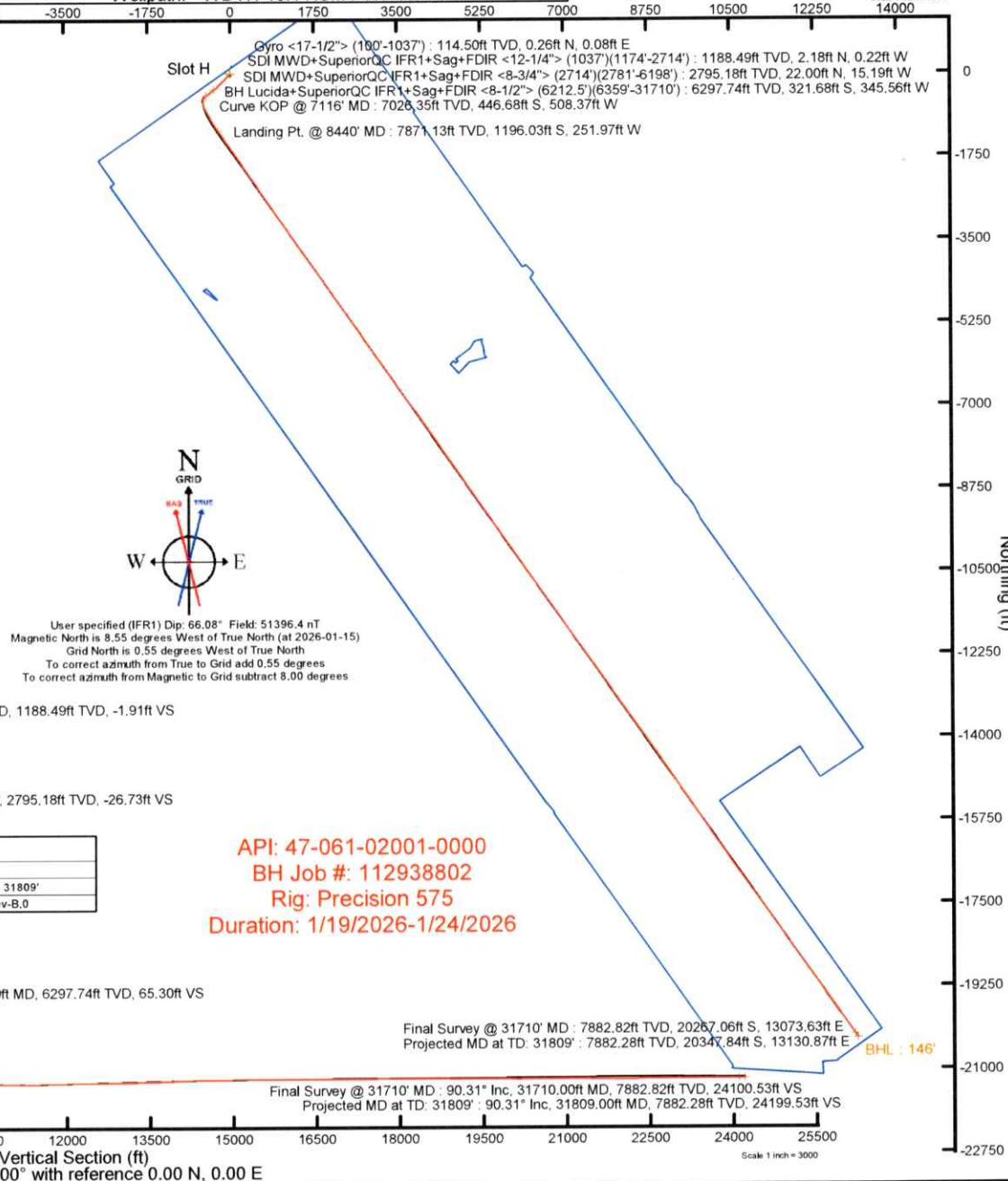
Scale 1 inch = 3500

|                                                                          |                                                                                  |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Plot reference wellpath is WDTN-18H-HSM PWP Rev-B.0                      | Grid System: NAD27 / Lambert Vertical Virginia SP, Northern Zone (4701), US feet |
| True vertical depths are referenced to Precision 575 (RKB)               | North Reference: Grid north                                                      |
| Reference wellpath 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 H) -1199 feet                  | Depths are in feet                                                               |
| Offset wellpath MDs are referenced to each path's default MD datum       | Created by: edwardson on 2026-01-27 Database: WVA_MPL_EASTERNUS_Dat              |

## 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 H                                            | 354.09            | 25.81              | 1758384.960       | 434783.330         |
| Precision 575 (RKB) to Mud line (At Slot: Slot H) |                   |                    |                   | 28 ft              |
| Mean Sea Level to Mud line (At Slot: Slot H)      |                   |                    |                   | -1199 ft           |
| Precision 575 (RKB) to Mean Sea Level             |                   |                    |                   | 1227 ft            |

| Design Comment  | MD (ft)  | Inc (") | Ac (")  | TVD (ft) | Local N (ft) | Local E (ft) | CLS (1500) | VS (ft)  |
|-----------------|----------|---------|---------|----------|--------------|--------------|------------|----------|
| Tie On          | 8212.50  | 15.760  | 226.230 | 8156.36  | -298.42      | -310.66      | 2.22       | 61.19    |
| Proj. to Bottom | 8293.50  | 15.760  | 226.230 | 8234.32  | -311.64      | -332.54      | 0.00       | 64.54    |
| End of 3D Arc   | 8396.60  | 15.871  | 233.168 | 8295.94  | -322.74      | -349.64      | 3.00       | 66.12    |
| Curve KOP       | 7284.74  | 15.871  | 233.168 | 7167.79  | -474.90      | -548.80      | 0.00       | 74.24    |
| Landing Pt.     | 8411.74  | 90.687  | 145.000 | 7870.00  | -1180.92     | -294.10      | 8.00       | 798.67   |
| 2800' VS        | 10432.21 | 90.687  | 145.000 | 7840.00  | -2920.31     | 853.82       | 0.00       | 2800.00  |
| End of Drop     | 10465.86 | 19.896  | 145.000 | 7845.13  | -2863.52     | 884.08       | 1.50       | 2852.75  |
| 4100' VS        | 11733.22 | 89.896  | 145.000 | 7848.00  | -3885.21     | 1599.47      | 0.00       | 4100.00  |
| End of Drop     | 11732.74 | 89.893  | 145.000 | 7848.00  | -3901.21     | 1615.87      | 1.50       | 4119.62  |
| 5800' VS        | 13162.29 | 89.893  | 145.000 | 7858.00  | -4072.98     | 2431.14      | 0.00       | 5550.00  |
| End of Build    | 13162.29 | 89.893  | 145.000 | 7858.00  | -4092.87     | 2444.94      | 1.50       | 5574.03  |
| 7000' VS        | 14813.29 | 89.963  | 145.000 | 7859.00  | -4260.75     | 3262.84      | 0.00       | 7000.00  |
| End of Drop     | 14849.95 | 89.548  | 145.000 | 7859.12  | -4283.44     | 3278.73      | 1.50       | 7027.70  |
| 7900' VS        | 16013.28 | 89.548  | 145.000 | 7866.00  | -4987.99     | 3779.06      | 0.00       | 7900.00  |
| End of Drop     | 15640.07 | 87.646  | 145.000 | 7869.10  | -7101.81     | 3851.76      | 1.50       | 8026.74  |
| 8800' VS        | 16514.06 | 87.646  | 145.000 | 7905.00  | -7817.14     | 4352.64      | 0.00       | 8800.00  |
| End of Build    | 16539.38 | 88.026  | 145.000 | 7905.96  | -7837.86     | 4367.15      | 1.50       | 8925.29  |
| 10000' VS       | 17614.72 | 88.026  | 145.000 | 7943.00  | -8178.21     | 4965.57      | 0.00       | 10000.00 |
| End of Build    | 17614.72 | 88.026  | 145.000 | 7944.53  | -8194.83     | 5019.07      | 1.50       | 10056.66 |
| 11100' VS       | 18714.84 | 88.876  | 145.000 | 7965.00  | -8619.28     | 5614.56      | 0.00       | 11100.00 |
| End of Build    | 18823.76 | 90.509  | 145.000 | 7965.38  | -8709.41     | 5676.92      | 1.50       | 11208.82 |
| 11500' VS       | 19114.96 | 90.509  | 145.000 | 7963.00  | -8946.34     | 5843.93      | 0.00       | 11500.00 |
| End of Build    | 19196.84 | 91.284  | 145.000 | 7963.19  | -8998.27     | 5873.58      | 1.50       | 11551.67 |
| 14500' VS       | 22165.72 | 91.284  | 145.000 | 7895.00  | -12445.35    | 7563.34      | 0.00       | 14500.00 |
| End of Drop     | 22226.56 | 90.371  | 145.000 | 7894.12  | -12495.19    | 7628.24      | 1.50       | 14610.84 |
| 17100' VS       | 24715.77 | 90.371  | 145.000 | 7878.00  | -14634.19    | 9505.96      | 0.00       | 17100.00 |
| End of Drop     | 24743.47 | 90.085  | 145.000 | 7877.92  | -14549.83    | 9569.92      | 1.50       | 17118.10 |
| 19100' VS       | 26715.78 | 90.085  | 145.000 | 7875.00  | -18172.49    | 10203.12     | 0.00       | 19100.00 |
| End of Build    | 26733.81 | 90.385  | 145.000 | 7874.93  | -18187.26    | 10213.40     | 1.50       | 19118.03 |
| 21800' VS       | 29469.83 | 90.385  | 145.000 | 7858.00  | -18428.16    | 11180.45     | 0.00       | 21800.00 |
| End of Drop     | 29496.21 | 89.889  | 145.000 | 7857.93  | -18450.95    | 11197.88     | 1.50       | 21880.38 |
| BHL             | 31812.08 | 89.889  | 145.000 | 7862.00  | -20347.09    | 13125.20     | 0.00       | 24196.24 |



User specified (IFR1) Dip: 66.08° Field: 51396.4 nT  
Magnetic North is 8.55 degrees West of True North (at 2026-01-15)  
Grid North is 0.55 degrees West of True North  
To correct azimuth from True to Grid add 0.55 degrees  
To correct azimuth from Magnetic to Grid subtract 8.00 degrees

API: 47-061-02001-0000  
BH Job #: 112938802  
Rig: Precision 575  
Duration: 1/19/2026-1/24/2026

Gyro <17-1/2"> (100°-1037°) : 0.36° Inc, 114.50ft MD, 114.50ft TVD, -0.17ft VS

SDI MWD+SuperiorQC IFR1+Sag+FDIR <12-1/4"> (1037°)(1174°-2714°) : 0.59° Inc, 1188.50ft MD, 1188.49ft TVD, -1.91ft VS

SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2714°)(2781°-6198°) : 1.20° Inc, 2795.50ft MD, 2795.18ft TVD, -26.73ft VS

| Slot   | Well         | Wellbore         | Wellpath                      |
|--------|--------------|------------------|-------------------------------|
| Slot H | WDTN-18H-HSM | WDTN-18H-HSM AWP | WDTN-18H-HSM AWP Proj: 31809' |
| Slot H | WDTN-18H-HSM | WDTN-18H-HSM PWB | WDTN-18H-HSM PWP Rev-B.0      |

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6212.5°)(6359°-31710°) : 14.65° Inc, 6359.00ft MD, 6297.74ft TVD, 65.30ft VS

Curve KOP @ 7116' MD : 14.88° Inc, 7116.00ft MD, 7026.35ft TVD, 74.31ft VS

Landing Pt. @ 8440' MD : 89.85° Inc, 8440.00ft MD, 7871.13ft TVD, 835.20ft VS

Final Survey @ 31710' MD : 7882.82ft TVD, 20267.06ft S, 13073.63ft E  
Projected MD at TD: 31809' : 7882.28ft TVD, 20347.84ft S, 13130.87ft E

Final Survey @ 31710' MD : 90.31° Inc, 31710.00ft MD, 7882.82ft TVD, 24100.53ft VS  
Projected MD at TD: 31809' : 90.31° Inc, 31809.00ft MD, 7882.28ft TVD, 24199.53ft VS

Vertical Section (ft)  
Azimuth 145.000° with reference 0.00 N, 0.00 E

Scale 1 inch = 3000



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## 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 2026-01-27 at 9:42:06 PM |
| Scale               | 0.999941                                                                | Last Updated        | 2026-01-27                           |
| 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         | 354.09            | 25.81    | 1758384.96       | 434783.33       | 39°41'26.0148"N        | 80°21'30.9131"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 H) | 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°          |

Office of Oil and Gas  
JUL 14 2026  
Department of  
Environmental Protection



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations) † = interpolated, ‡ = extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 0.00†      | 0.000              | 16.980         | 0.00        | 0.00              | 0.00          | 0.00         | 1758384.96           | 434783.33             | 39°41'26.0148"N | 80°21'30.9131"W | 0.00                 | 0.000              | 0.00             | 0.00                    | 0.00                   |
| 28.00      | 0.000              | 16.980         | 28.00       | 0.00              | 0.00          | 0.00         | 1758384.96           | 434783.33             | 39°41'26.0148"N | 80°21'30.9131"W | 0.00                 | 0.000              | 0.00             | 0.00                    | 0.00                   |
| 114.50     | 0.360              | 16.980         | 114.50      | -0.17             | 0.26          | 0.08         | 1758385.04           | 434783.59             | 39°41'26.0174"N | 80°21'30.9122"W | 0.27                 | 16.980             | 0.42             | 0.42                    | 0.00                   |
| 214.50     | 0.150              | 148.830        | 214.50      | -0.23             | 0.45          | 0.24         | 1758385.20           | 434783.78             | 39°41'26.0193"N | 80°21'30.9101"W | 0.51                 | 28.046             | 0.47             | -0.21                   | 131.85                 |
| 314.50     | 0.300              | 79.760         | 314.50      | 0.01              | 0.38          | 0.56         | 1758385.52           | 434783.71             | 39°41'26.0187"N | 80°21'30.9060"W | 0.68                 | 55.839             | 0.28             | 0.15                    | -69.07                 |
| 414.50     | 0.190              | 55.270         | 414.50      | 0.12              | 0.52          | 0.96         | 1758385.92           | 434783.85             | 39°41'26.0201"N | 80°21'30.9009"W | 1.09                 | 61.330             | 0.15             | -0.11                   | -24.49                 |
| 514.50     | 0.140              | 81.510         | 514.50      | 0.18              | 0.64          | 1.22         | 1758386.18           | 434783.97             | 39°41'26.0212"N | 80°21'30.8977"W | 1.37                 | 62.360             | 0.09             | -0.05                   | 26.24                  |
| 614.50     | 0.040              | 27.120         | 614.50      | 0.21              | 0.69          | 1.35         | 1758386.31           | 434784.02             | 39°41'26.0217"N | 80°21'30.8959"W | 1.52                 | 63.113             | 0.12             | -0.10                   | -54.39                 |
| 714.50     | 0.100              | 263.560        | 714.50      | 0.16              | 0.71          | 1.28         | 1758386.24           | 434784.04             | 39°41'26.0219"N | 80°21'30.8968"W | 1.46                 | 61.116             | 0.13             | 0.06                    | -123.56                |
| 814.50     | 0.140              | 336.130        | 814.50      | -0.01             | 0.81          | 1.15         | 1758386.10           | 434784.14             | 39°41'26.0229"N | 80°21'30.8986"W | 1.40                 | 54.767             | 0.15             | 0.04                    | 72.57                  |
| 914.50     | 0.210              | 322.930        | 914.50      | -0.31             | 1.07          | 0.99         | 1758385.95           | 434784.40             | 39°41'26.0255"N | 80°21'30.9007"W | 1.45                 | 42.724             | 0.08             | 0.07                    | -13.20                 |
| 1014.50    | 0.240              | 309.110        | 1014.50     | -0.69             | 1.35          | 0.71         | 1758385.67           | 434784.67             | 39°41'26.0282"N | 80°21'30.9042"W | 1.52                 | 27.900             | 0.06             | 0.03                    | -13.82                 |
| 1051.50    | 0.310              | 317.810        | 1051.49     | -0.87             | 1.47          | 0.58         | 1758385.54           | 434784.80             | 39°41'26.0294"N | 80°21'30.9058"W | 1.58                 | 21.720             | 0.22             | 0.19                    | 23.51                  |
| 1188.50    | 0.590              | 308.110        | 1188.49     | -1.91             | 2.18          | -0.22        | 1758384.74           | 434785.51             | 39°41'26.0363"N | 80°21'30.9162"W | 2.19                 | 354.255            | 0.21             | 0.20                    | -7.08                  |
| 1230.50    | 0.770              | 327.490        | 1230.49     | -2.40             | 2.55          | -0.54        | 1758384.42           | 434785.88             | 39°41'26.0400"N | 80°21'30.9204"W | 2.61                 | 348.021            | 0.69             | 0.43                    | 46.14                  |
| 1273.50    | 0.840              | 321.140        | 1273.48     | -3.00             | 3.04          | -0.89        | 1758384.07           | 434786.37             | 39°41'26.0448"N | 80°21'30.9249"W | 3.17                 | 343.605            | 0.26             | 0.16                    | -14.77                 |
| 1315.50    | 1.040              | 313.180        | 1315.48     | -3.68             | 3.54          | -1.37        | 1758383.59           | 434786.87             | 39°41'26.0497"N | 80°21'30.9310"W | 3.79                 | 338.907            | 0.57             | 0.48                    | -18.95                 |
| 1358.50    | 1.330              | 313.790        | 1358.47     | -4.55             | 4.15          | -2.01        | 1758382.95           | 434787.48             | 39°41'26.0557"N | 80°21'30.9394"W | 4.61                 | 334.166            | 0.68             | 0.67                    | 1.42                   |
| 1399.50    | 1.640              | 315.090        | 1399.45     | -5.60             | 4.90          | -2.77        | 1758382.19           | 434788.23             | 39°41'26.0630"N | 80°21'30.9491"W | 5.62                 | 330.523            | 0.76             | 0.76                    | 3.17                   |
| 1443.50    | 1.840              | 317.650        | 1443.43     | -6.92             | 5.86          | -3.69        | 1758381.27           | 434789.19             | 39°41'26.0724"N | 80°21'30.9610"W | 6.93                 | 327.834            | 0.49             | 0.45                    | 5.82                   |
| 1487.50    | 2.080              | 315.850        | 1487.41     | -8.41             | 6.96          | -4.72        | 1758380.24           | 434790.29             | 39°41'26.0832"N | 80°21'30.9744"W | 8.41                 | 325.853            | 0.56             | 0.55                    | -4.09                  |
| 1575.50    | 2.010              | 310.350        | 1575.35     | -11.48            | 9.10          | -7.01        | 1758377.95           | 434792.43             | 39°41'26.1041"N | 80°21'31.0039"W | 11.49                | 322.411            | 0.24             | -0.08                   | -6.25                  |
| 1661.50    | 0.940              | 292.210        | 1661.32     | -13.53            | 10.35         | -8.81        | 1758376.15           | 434793.68             | 39°41'26.1163"N | 80°21'31.0271"W | 13.59                | 319.585            | 1.34             | -1.24                   | -21.09                 |
| 1746.50    | 0.630              | 282.760        | 1746.32     | -14.46            | 10.71         | -9.91        | 1758375.05           | 434794.04             | 39°41'26.1198"N | 80°21'31.0412"W | 14.60                | 317.226            | 0.39             | -0.36                   | -11.12                 |
| 1833.50    | 0.440              | 266.510        | 1833.31     | -14.99            | 10.80         | -10.71       | 1758374.25           | 434794.13             | 39°41'26.1205"N | 80°21'31.0515"W | 15.21                | 315.232            | 0.28             | -0.22                   | -18.68                 |
| 1920.50    | 0.380              | 268.900        | 1920.31     | -15.33            | 10.77         | -11.33       | 1758373.63           | 434794.10             | 39°41'26.1202"N | 80°21'31.0594"W | 15.64                | 313.548            | 0.07             | -0.07                   | 2.75                   |
| 2007.50    | 0.560              | 251.180        | 2007.31     | -15.61            | 10.63         | -12.02       | 1758372.94           | 434793.96             | 39°41'26.1188"N | 80°21'31.0682"W | 16.05                | 311.479            | 0.26             | 0.21                    | -20.37                 |
| 2094.50    | 0.510              | 297.760        | 2094.30     | -16.07            | 10.67         | -12.77       | 1758372.19           | 434794.00             | 39°41'26.1191"N | 80°21'31.0778"W | 16.64                | 309.891            | 0.49             | -0.06                   | 53.54                  |
| 2181.50    | 0.970              | 342.850        | 2181.30     | -17.11            | 11.56         | -13.33       | 1758371.63           | 434794.89             | 39°41'26.1278"N | 80°21'31.0851"W | 17.64                | 310.928            | 0.81             | 0.53                    | 51.83                  |
| 2269.50    | 1.640              | 347.850        | 2269.27     | -18.98            | 13.50         | -13.81       | 1758371.15           | 434796.83             | 39°41'26.1469"N | 80°21'31.0915"W | 19.32                | 314.342            | 0.77             | 0.76                    | 5.68                   |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 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] |
|---------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 2356.50 | 1.790           | 348.990     | 2356.23  | -21.37         | 16.05      | -14.34    | 1758370.62        | 434799.38          | 39°41'26.1721"N | 80°21'31.0985"W | 21.52             | 318.232         | 0.18          | 0.17                 | 1.31                |
| 2442.50 | 0.710           | 359.580     | 2442.21  | -23.04         | 17.90      | -14.60    | 1758370.36        | 434801.23          | 39°41'26.1904"N | 80°21'31.1020"W | 23.10             | 320.810         | 1.28          | -1.26                | 12.31               |
| 2527.50 | 0.400           | 11.650      | 2527.21  | -23.67         | 18.72      | -14.54    | 1758370.42        | 434802.05          | 39°41'26.1985"N | 80°21'31.1014"W | 23.70             | 322.163         | 0.39          | -0.36                | 14.20               |
| 2612.50 | 0.550           | 4.900       | 2612.21  | -24.19         | 19.42      | -14.45    | 1758370.52        | 434802.75          | 39°41'26.2054"N | 80°21'31.1003"W | 24.20             | 323.352         | 0.19          | 0.18                 | -7.94               |
| 2699.50 | 0.710           | 346.960     | 2699.20  | -25.01         | 20.36      | -14.53    | 1758370.43        | 434803.69          | 39°41'26.2147"N | 80°21'31.1015"W | 25.01             | 324.481         | 0.29          | 0.18                 | -20.62              |
| 2728.50 | 1.060           | 336.670     | 2728.20  | -25.44         | 20.78      | -14.68    | 1758370.28        | 434804.11          | 39°41'26.2188"N | 80°21'31.1034"W | 25.44             | 324.764         | 1.32          | 1.21                 | -35.48              |
| 2795.50 | 1.200           | 337.450     | 2795.18  | -26.73         | 22.00      | -15.19    | 1758369.77        | 434805.33          | 39°41'26.2308"N | 80°21'31.1102"W | 26.73             | 325.368         | 0.21          | 0.21                 | 1.16                |
| 2882.50 | 1.680           | 338.240     | 2882.16  | -28.86         | 24.02      | -16.01    | 1758368.95        | 434807.35          | 39°41'26.2507"N | 80°21'31.1209"W | 28.87             | 326.310         | 0.55          | 0.55                 | 0.91                |
| 2966.50 | 0.510           | 350.580     | 2966.14  | -30.40         | 25.54      | -16.53    | 1758368.43        | 434808.86          | 39°41'26.2656"N | 80°21'31.1277"W | 30.42             | 327.079         | 1.41          | -1.39                | 14.69               |
| 3055.50 | 1.570           | 132.910     | 3055.13  | -29.56         | 25.10      | -15.70    | 1758369.26        | 434808.42          | 39°41'26.2614"N | 80°21'31.1171"W | 29.60             | 327.962         | 2.25          | 1.19                 | 159.92              |
| 3141.50 | 1.180           | 129.770     | 3141.10  | -27.56         | 23.73      | -14.16    | 1758370.80        | 434807.06          | 39°41'26.2480"N | 80°21'31.0972"W | 27.63             | 329.170         | 0.46          | -0.45                | -3.65               |
| 3228.50 | 1.120           | 120.970     | 3228.09  | -25.92         | 22.72      | -12.74    | 1758372.22        | 434806.05          | 39°41'26.2381"N | 80°21'31.0789"W | 26.05             | 330.709         | 0.21          | -0.07                | -10.11              |
| 3314.50 | 0.950           | 110.610     | 3314.07  | -24.56         | 22.03      | -11.36    | 1758373.61        | 434805.36          | 39°41'26.2315"N | 80°21'31.0611"W | 24.79             | 332.734         | 0.29          | -0.20                | -12.05              |
| 3399.50 | 0.940           | 97.390      | 3399.06  | -23.51         | 21.70      | -10.00    | 1758374.96        | 434805.02          | 39°41'26.2283"N | 80°21'31.0438"W | 23.89             | 335.244         | 0.26          | -0.01                | -15.55              |
| 3477.50 | 0.880           | 86.820      | 3477.05  | -22.76         | 21.65      | -8.77     | 1758376.19        | 434804.97          | 39°41'26.2279"N | 80°21'31.0280"W | 23.36             | 337.941         | 0.23          | -0.08                | -13.55              |
| 3563.50 | 0.750           | 75.210      | 3563.04  | -22.22         | 21.83      | -7.57     | 1758377.39        | 434805.16          | 39°41'26.2298"N | 80°21'31.0126"W | 23.10             | 340.876         | 0.24          | -0.15                | -13.50              |
| 3649.50 | 0.580           | 62.070      | 3649.04  | -21.97         | 22.17      | -6.64     | 1758378.32        | 434805.50          | 39°41'26.2333"N | 80°21'31.0008"W | 23.15             | 343.331         | 0.26          | -0.20                | -15.28              |
| 3737.50 | 0.410           | 48.840      | 3737.03  | -21.95         | 22.59      | -6.01     | 1758378.95        | 434805.92          | 39°41'26.2375"N | 80°21'30.9928"W | 23.38             | 345.104         | 0.23          | -0.19                | -15.03              |
| 3824.50 | 0.470           | 66.570      | 3824.03  | -21.91         | 22.94      | -5.45     | 1758379.51        | 434806.27          | 39°41'26.2410"N | 80°21'30.9856"W | 23.57             | 346.641         | 0.17          | 0.07                 | 20.38               |
| 3911.50 | 0.380           | 37.050      | 3911.03  | -21.93         | 23.31      | -4.95     | 1758380.01        | 434806.64          | 39°41'26.2447"N | 80°21'30.9792"W | 23.83             | 348.020         | 0.27          | -0.10                | -33.93              |
| 3998.50 | 0.440           | 26.480      | 3998.03  | -22.18         | 23.84      | -4.62     | 1758380.34        | 434807.17          | 39°41'26.2500"N | 80°21'30.9752"W | 24.28             | 349.025         | 0.11          | 0.07                 | -12.15              |
| 4086.50 | 0.410           | 43.830      | 4086.02  | -22.40         | 24.37      | -4.25     | 1758380.71        | 434807.70          | 39°41'26.2552"N | 80°21'30.9705"W | 24.74             | 350.097         | 0.15          | -0.03                | 19.72               |
| 4172.50 | 0.580           | 193.420     | 4172.02  | -22.17         | 24.17      | -4.14     | 1758380.82        | 434807.49          | 39°41'26.2533"N | 80°21'30.9691"W | 24.52             | 350.274         | 1.11          | 0.20                 | 173.94              |
| 4259.50 | 2.850           | 204.410     | 4258.98  | -20.78         | 21.77      | -5.14     | 1758379.82        | 434805.10          | 39°41'26.2295"N | 80°21'30.9815"W | 22.37             | 346.718         | 2.62          | 2.61                 | 12.63               |
| 4344.50 | 5.410           | 210.770     | 4343.75  | -18.06         | 16.40      | -8.06     | 1758376.90        | 434799.73          | 39°41'26.1761"N | 80°21'31.0183"W | 18.27             | 333.821         | 3.05          | 3.01                 | 7.48                |
| 4430.50 | 7.420           | 214.690     | 4429.21  | -14.47         | 8.35       | -13.30    | 1758371.66        | 434791.68          | 39°41'26.0961"N | 80°21'31.0842"W | 15.70             | 302.126         | 2.39          | 2.34                 | 4.56                |
| 4516.50 | 8.700           | 214.970     | 4514.36  | -10.31         | -1.55      | -20.19    | 1758364.78        | 434781.78          | 39°41'25.9976"N | 80°21'31.1711"W | 20.25             | 265.619         | 1.49          | 1.49                 | 0.33                |
| 4604.50 | 9.620           | 216.330     | 4601.23  | -5.68          | -12.92     | -28.36    | 1758356.60        | 434770.41          | 39°41'25.8844"N | 80°21'31.2743"W | 31.16             | 245.498         | 1.07          | 1.05                 | 1.55                |
| 4691.50 | 10.490          | 219.230     | 4686.90  | -1.20          | -24.92     | -37.67    | 1758347.29        | 434758.42          | 39°41'25.7650"N | 80°21'31.3920"W | 45.17             | 236.520         | 1.16          | 1.00                 | 3.33                |
| 4778.50 | 11.110          | 224.920     | 4772.36  | 2.42           | -36.99     | -48.60    | 1758336.36        | 434746.35          | 39°41'25.6447"N | 80°21'31.5303"W | 61.07             | 232.728         | 1.42          | 0.71                 | 6.54                |

WV Department of  
Environmental Protection

JUL 14 2026

Office of Oil and Gas



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 4864.50    | 11.820             | 226.300        | 4856.64     | 5.20              | -48.94        | -60.82       | 1758324.14           | 434734.39             | 39°41'25.5254"N | 80°21'31.6851"W | 78.06                | 231.178            | 0.88             | 0.83                    | 1.60                   |
| 4950.50    | 13.280             | 222.300        | 4940.59     | 8.71              | -62.33        | -73.84       | 1758311.13           | 434721.00             | 39°41'25.3919"N | 80°21'31.8500"W | 96.63                | 229.830            | 1.97             | 1.70                    | -4.65                  |
| 5037.50    | 14.500             | 224.090        | 5025.04     | 12.97             | -77.55        | -88.14       | 1758296.83           | 434705.79             | 39°41'25.2402"N | 80°21'32.0311"W | 117.40               | 228.659            | 1.49             | 1.40                    | 2.06                   |
| 5126.50    | 14.220             | 229.010        | 5111.26     | 16.22             | -92.72        | -104.14      | 1758280.82           | 434690.62             | 39°41'25.0887"N | 80°21'32.2339"W | 139.44               | 228.322            | 1.41             | -0.31                   | 5.53                   |
| 5211.50    | 15.380             | 228.460        | 5193.44     | 18.59             | -107.04       | -120.46      | 1758264.51           | 434676.29             | 39°41'24.9456"N | 80°21'32.4409"W | 161.15               | 228.376            | 1.37             | 1.36                    | -0.65                  |
| 5298.50    | 15.990             | 225.660        | 5277.20     | 21.85             | -123.07       | -137.67      | 1758247.30           | 434660.27             | 39°41'24.7856"N | 80°21'32.6590"W | 184.66               | 228.205            | 1.12             | 0.70                    | -3.22                  |
| 5386.50    | 15.150             | 223.060        | 5361.98     | 26.19             | -139.94       | -154.19      | 1758230.78           | 434643.40             | 39°41'24.6173"N | 80°21'32.8683"W | 208.22               | 227.773            | 1.24             | -0.95                   | -2.95                  |
| 5474.50    | 14.950             | 223.170        | 5446.96     | 30.90             | -156.62       | -169.81      | 1758215.16           | 434626.72             | 39°41'24.4510"N | 80°21'33.0660"W | 231.01               | 227.313            | 0.23             | -0.23                   | 0.12                   |
| 5560.50    | 16.400             | 224.680        | 5529.76     | 35.35             | -173.35       | -185.93      | 1758199.04           | 434609.99             | 39°41'24.2842"N | 80°21'33.2702"W | 254.20               | 227.006            | 1.75             | 1.69                    | 1.76                   |
| 5646.50    | 18.030             | 226.130        | 5611.90     | 39.58             | -191.20       | -204.07      | 1758180.91           | 434592.14             | 39°41'24.1060"N | 80°21'33.5000"W | 279.64               | 226.864            | 1.96             | 1.90                    | 1.69                   |
| 5731.50    | 17.940             | 225.510        | 5692.75     | 43.76             | -209.49       | -222.89      | 1758162.09           | 434573.85             | 39°41'23.9234"N | 80°21'33.7385"W | 305.89               | 226.774            | 0.25             | -0.11                   | -0.73                  |
| 5819.50    | 15.960             | 223.080        | 5776.92     | 48.50             | -227.83       | -240.82      | 1758144.15           | 434555.51             | 39°41'23.7405"N | 80°21'33.9656"W | 331.51               | 226.588            | 2.39             | -2.25                   | -2.76                  |
| 5907.50    | 15.070             | 230.350        | 5861.72     | 51.92             | -243.97       | -257.89      | 1758127.08           | 434539.38             | 39°41'23.5794"N | 80°21'34.1821"W | 355.01               | 226.590            | 2.43             | -1.01                   | 8.26                   |
| 5994.50    | 15.620             | 229.490        | 5945.62     | 53.97             | -258.79       | -275.51      | 1758109.47           | 434524.55             | 39°41'23.4312"N | 80°21'34.4055"W | 377.99               | 226.792            | 0.68             | 0.63                    | -0.99                  |
| 6081.50    | 14.150             | 226.620        | 6029.70     | 56.64             | -273.71       | -292.14      | 1758092.83           | 434509.64             | 39°41'23.2823"N | 80°21'34.6165"W | 400.33               | 226.866            | 1.89             | -1.69                   | -3.30                  |
| 6167.50    | 14.860             | 227.880        | 6112.96     | 59.54             | -288.32       | -307.96      | 1758077.02           | 434495.02             | 39°41'23.1363"N | 80°21'34.8171"W | 421.87               | 226.887            | 0.90             | 0.83                    | 1.47                   |
| 6212.50    | 15.760             | 226.230        | 6156.36     | 61.19             | -296.42       | -316.66      | 1758068.32           | 434486.93             | 39°41'23.0555"N | 80°21'34.9273"W | 433.75               | 226.890            | 2.22             | 2.00                    | -3.67                  |
| 6359.00    | 14.650             | 231.660        | 6297.74     | 65.30             | -321.68       | -345.56      | 1758039.42           | 434461.67             | 39°41'22.8032"N | 80°21'35.2938"W | 472.11               | 227.050            | 1.23             | -0.76                   | 3.71                   |
| 6454.00    | 15.590             | 231.380        | 6389.45     | 66.81             | -337.10       | -364.95      | 1758020.03           | 434446.25             | 39°41'22.6489"N | 80°21'35.5400"W | 496.82               | 227.272            | 0.99             | 0.99                    | -0.29                  |
| 6548.00    | 15.230             | 231.260        | 6480.07     | 68.41             | -352.71       | -384.45      | 1758000.53           | 434430.64             | 39°41'22.4928"N | 80°21'35.7875"W | 521.73               | 227.466            | 0.38             | -0.38                   | -0.13                  |
| 6643.00    | 16.030             | 233.150        | 6571.56     | 69.65             | -368.38       | -404.68      | 1757980.30           | 434414.97             | 39°41'22.3360"N | 80°21'36.0444"W | 547.24               | 227.688            | 1.00             | 0.84                    | 1.99                   |
| 6738.00    | 16.050             | 232.770        | 6662.86     | 70.58             | -384.20       | -425.63      | 1757959.35           | 434399.16             | 39°41'22.1777"N | 80°21'36.3104"W | 573.39               | 227.929            | 0.11             | 0.02                    | -0.40                  |
| 6832.00    | 16.100             | 232.620        | 6753.18     | 71.63             | -399.97       | -446.34      | 1757938.65           | 434383.38             | 39°41'22.0199"N | 80°21'36.5733"W | 599.33               | 228.136            | 0.07             | 0.05                    | -0.16                  |
| 6927.00    | 16.120             | 232.940        | 6844.45     | 72.65             | -415.92       | -467.33      | 1757917.66           | 434367.44             | 39°41'21.8603"N | 80°21'36.8399"W | 625.61               | 228.331            | 0.10             | 0.02                    | 0.34                   |
| 7022.00    | 15.990             | 233.120        | 6935.75     | 73.55             | -431.72       | -488.32      | 1757896.67           | 434351.64             | 39°41'21.7022"N | 80°21'37.1064"W | 651.79               | 228.521            | 0.15             | -0.14                   | 0.19                   |
| 7116.00    | 14.880             | 233.440        | 7026.35     | 74.31             | -446.68       | -508.37      | 1757876.62           | 434336.68             | 39°41'21.5525"N | 80°21'37.3611"W | 676.73               | 228.696            | 1.18             | -1.18                   | 0.34                   |
| 7305.00    | 18.920             | 221.490        | 7207.21     | 82.13             | -484.11       | -548.19      | 1757836.80           | 434299.25             | 39°41'21.1787"N | 80°21'37.8658"W | 731.35               | 228.552            | 2.81             | 2.14                    | -6.32                  |
| 7399.00    | 18.910             | 198.480        | 7296.26     | 94.77             | -510.01       | -563.14      | 1757821.86           | 434273.35             | 39°41'20.9214"N | 80°21'38.0538"W | 759.76               | 227.834            | 7.89             | -0.01                   | -24.48                 |
| 7494.00    | 21.210             | 185.760        | 7385.53     | 116.96            | -541.73       | -569.75      | 1757815.25           | 434241.64             | 39°41'20.6073"N | 80°21'38.1345"W | 786.18               | 226.444            | 5.18             | 2.42                    | -13.39                 |
| 7588.00    | 27.370             | 176.210        | 7471.20     | 148.37            | -580.26       | -570.02      | 1757814.97           | 434203.11             | 39°41'20.2265"N | 80°21'38.1333"W | 813.40               | 224.490            | 7.75             | 6.55                    | -10.16                 |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UVI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 7683.00    | 34.040             | 166.960        | 7552.88     | 191.78            | -628.03       | -562.57      | 1757822.43           | 434155.34             | 39°41'19.7551"N | 80°21'38.0321"W | 843.15               | 221.853            | 8.59             | 7.02                    | -9.74                  |
| 7777.00    | 40.440             | 159.380        | 7627.72     | 245.79            | -682.28       | -545.87      | 1757839.12           | 434101.09             | 39°41'19.2205"N | 80°21'37.8118"W | 873.77               | 218.662            | 8.37             | 6.81                    | -8.06                  |
| 7872.00    | 48.050             | 153.470        | 7695.75     | 310.70            | -742.84       | -519.19      | 1757865.80           | 434040.54             | 39°41'18.6246"N | 80°21'37.4632"W | 906.29               | 214.951            | 9.10             | 8.01                    | -6.22                  |
| 7967.00    | 57.350             | 149.930        | 7753.27     | 385.67            | -809.22       | -483.28      | 1757901.71           | 433974.16             | 39°41'17.9720"N | 80°21'36.9958"W | 942.55               | 210.847            | 10.23            | 9.79                    | -3.73                  |
| 8061.00    | 65.370             | 153.110        | 7798.30     | 467.54            | -881.70       | -444.06      | 1757940.93           | 433901.68             | 39°41'17.2594"N | 80°21'36.4852"W | 987.21               | 206.732            | 9.03             | 8.53                    | -3.38                  |
| 8156.00    | 72.270             | 150.130        | 7832.61     | 555.48            | -959.55       | -401.94      | 1757983.04           | 433823.83             | 39°41'16.4940"N | 80°21'35.9369"W | 1040.34              | 202.728            | 7.83             | 7.26                    | -3.14                  |
| 8251.00    | 79.230             | 148.980        | 7855.98     | 647.21            | -1038.88      | -355.30      | 1758029.68           | 433744.52             | 39°41'15.7145"N | 80°21'35.3307"W | 1097.95              | 198.881            | 7.42             | 7.33                    | -1.21                  |
| 8345.00    | 86.220             | 146.280        | 7867.87     | 740.29            | -1117.57      | -305.40      | 1758079.58           | 433665.83             | 39°41'14.9415"N | 80°21'34.6828"W | 1158.54              | 195.284            | 7.96             | 7.44                    | -2.87                  |
| 8440.00    | 89.850             | 145.210        | 7871.13     | 835.20            | -1196.03      | -251.97      | 1758133.01           | 433587.38             | 39°41'14.1712"N | 80°21'33.9897"W | 1222.28              | 191.897            | 3.98             | 3.82                    | -1.13                  |
| 8535.00    | 88.870             | 145.510        | 7872.19     | 930.20            | -1274.18      | -197.97      | 1758187.00           | 433509.23             | 39°41'13.4039"N | 80°21'33.2895"W | 1289.47              | 188.832            | 1.08             | -1.03                   | 0.32                   |
| 8629.00    | 88.780             | 145.030        | 7874.12     | 1024.17           | -1351.42      | -144.43      | 1758240.54           | 433431.99             | 39°41'12.6457"N | 80°21'32.5953"W | 1359.11              | 186.100            | 0.52             | -0.10                   | -0.51                  |
| 8723.00    | 90.780             | 145.610        | 7874.48     | 1118.17           | -1428.71      | -90.95       | 1758294.02           | 433354.70             | 39°41'11.8869"N | 80°21'31.9018"W | 1431.60              | 183.642            | 2.22             | 2.13                    | 0.62                   |
| 8818.00    | 91.030             | 146.380        | 7872.98     | 1213.14           | -1507.46      | -37.83       | 1758347.14           | 433275.96             | 39°41'11.1137"N | 80°21'31.2127"W | 1507.93              | 181.437            | 0.85             | 0.26                    | 0.81                   |
| 8913.00    | 90.540             | 143.330        | 7871.68     | 1308.12           | -1585.12      | 16.85        | 1758401.81           | 433198.31             | 39°41'10.3513"N | 80°21'30.5039"W | 1585.21              | 179.391            | 3.25             | -0.52                   | -3.21                  |
| 9007.00    | 91.060             | 146.050        | 7870.37     | 1402.10           | -1661.81      | 71.17        | 1758456.13           | 433121.62             | 39°41'9.5985"N  | 80°21'29.7997"W | 1663.34              | 177.548            | 2.95             | 0.55                    | 2.89                   |
| 9102.00    | 91.460             | 146.080        | 7868.28     | 1497.06           | -1740.61      | 124.19       | 1758509.14           | 433042.82             | 39°41'8.8248"N  | 80°21'29.1119"W | 1745.04              | 175.919            | 0.42             | 0.42                    | 0.03                   |
| 9196.00    | 90.930             | 146.120        | 7866.32     | 1591.02           | -1818.62      | 176.61       | 1758561.56           | 432964.82             | 39°41'8.0589"N  | 80°21'28.4320"W | 1827.17              | 174.453            | 0.57             | -0.56                   | 0.04                   |
| 9291.00    | 90.810             | 145.460        | 7864.87     | 1686.00           | -1897.17      | 230.01       | 1758614.96           | 432886.27             | 39°41'7.2876"N  | 80°21'27.7393"W | 1911.06              | 173.087            | 0.71             | -0.13                   | -0.69                  |
| 9386.00    | 90.930             | 145.960        | 7863.43     | 1780.98           | -1975.65      | 283.53       | 1758668.47           | 432807.80             | 39°41'6.5171"N  | 80°21'27.0453"W | 1995.89              | 171.833            | 0.54             | 0.13                    | 0.53                   |
| 9481.00    | 91.300             | 145.290        | 7861.58     | 1875.96           | -2054.04      | 337.15       | 1758722.09           | 432729.41             | 39°41'5.7474"N  | 80°21'26.3498"W | 2081.53              | 170.678            | 0.81             | 0.39                    | -0.71                  |
| 9576.00    | 91.430             | 146.090        | 7859.32     | 1970.92           | -2132.49      | 390.69       | 1758775.62           | 432650.97             | 39°41'4.9772"N  | 80°21'25.6555"W | 2167.98              | 169.618            | 0.85             | 0.14                    | 0.84                   |
| 9670.00    | 91.270             | 145.680        | 7857.11     | 2064.89           | -2210.29      | 443.39       | 1758828.33           | 432573.17             | 39°41'4.2133"N  | 80°21'24.9719"W | 2254.33              | 168.657            | 0.47             | -0.17                   | -0.44                  |
| 9765.00    | 91.520             | 146.390        | 7854.79     | 2159.84           | -2289.06      | 496.45       | 1758881.38           | 432494.41             | 39°41'3.4398"N  | 80°21'24.2837"W | 2342.28              | 167.763            | 0.79             | 0.26                    | 0.75                   |
| 9860.00    | 91.240             | 145.460        | 7852.50     | 2254.80           | -2367.73      | 549.66       | 1758934.59           | 432415.75             | 39°41'2.6674"N  | 80°21'23.5935"W | 2430.69              | 166.930            | 1.02             | -0.29                   | -0.98                  |
| 9955.00    | 91.400             | 146.560        | 7850.32     | 2349.76           | -2446.47      | 602.76       | 1758987.68           | 432337.01             | 39°41'1.8942"N  | 80°21'22.9049"W | 2519.63              | 166.159            | 1.17             | 0.17                    | 1.16                   |
| 10049.00   | 90.560             | 145.150        | 7848.71     | 2443.73           | -2524.25      | 655.51       | 1759040.43           | 432259.23             | 39°41'1.1305"N  | 80°21'22.2207"W | 2607.98              | 165.443            | 1.75             | -0.89                   | -1.50                  |
| 10144.00   | 89.760             | 145.360        | 7848.44     | 2538.73           | -2602.31      | 709.65       | 1759094.57           | 432181.17             | 39°41'0.3642"N  | 80°21'21.5187"W | 2697.34              | 164.746            | 0.87             | -0.84                   | 0.22                   |
| 10238.00   | 89.830             | 145.970        | 7848.78     | 2632.72           | -2679.93      | 762.67       | 1759147.58           | 432103.56             | 39°40'59.6021"N | 80°21'20.8311"W | 2786.34              | 164.114            | 0.65             | 0.07                    | 0.65                   |
| 10333.00   | 90.130             | 145.950        | 7848.81     | 2727.71           | -2758.65      | 815.85       | 1759200.76           | 432024.84             | 39°40'58.8291"N | 80°21'20.1414"W | 2876.77              | 163.525            | 0.32             | 0.32                    | -0.02                  |
| 10428.00   | 89.860             | 145.780        | 7848.82     | 2822.70           | -2837.29      | 869.16       | 1759254.06           | 431946.21             | 39°40'58.0570"N | 80°21'19.4500"W | 2967.43              | 162.968            | 0.34             | -0.28                   | -0.18                  |

Office of Oil and Gas  
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Department of  
Environmental Protection



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 10522.00   | 90.410             | 145.410        | 7848.60     | 2916.69           | -2914.84      | 922.27       | 1759307.17           | 431868.66             | 39°40'57.2956"N | 80°21'18.7613"W | 3057.27              | 162.442            | 0.71             | 0.59                    | -0.39                  |
| 10617.00   | 89.980             | 144.960        | 7848.28     | 3011.69           | -2992.84      | 976.51       | 1759361.41           | 431790.67             | 39°40'56.5299"N | 80°21'18.0581"W | 3148.12              | 161.929            | 0.66             | -0.45                   | -0.47                  |
| 10712.00   | 89.950             | 145.140        | 7848.33     | 3106.69           | -3070.70      | 1030.93      | 1759415.83           | 431712.81             | 39°40'55.7655"N | 80°21'17.3526"W | 3239.14              | 161.442            | 0.19             | -0.03                   | 0.19                   |
| 10807.00   | 89.950             | 145.440        | 7848.42     | 3201.69           | -3148.80      | 1085.02      | 1759469.92           | 431634.72             | 39°40'54.9988"N | 80°21'16.6512"W | 3330.50              | 160.987            | 0.32             | 0.00                    | 0.32                   |
| 10902.00   | 89.730             | 145.530        | 7848.68     | 3296.69           | -3227.08      | 1138.85      | 1759523.74           | 431556.45             | 39°40'54.2303"N | 80°21'15.9533"W | 3422.13              | 160.562            | 0.25             | -0.23                   | 0.09                   |
| 10996.00   | 89.860             | 145.520        | 7849.02     | 3390.68           | -3304.57      | 1192.06      | 1759576.95           | 431478.96             | 39°40'53.4695"N | 80°21'15.2633"W | 3513.00              | 160.164            | 0.14             | 0.14                    | -0.01                  |
| 11091.00   | 89.890             | 145.110        | 7849.23     | 3485.68           | -3382.68      | 1246.12      | 1759631.01           | 431400.85             | 39°40'52.7025"N | 80°21'14.5624"W | 3604.91              | 159.777            | 0.43             | 0.03                    | -0.43                  |
| 11186.00   | 90.040             | 145.570        | 7849.28     | 3580.68           | -3460.83      | 1300.15      | 1759685.03           | 431322.71             | 39°40'51.9354"N | 80°21'13.8620"W | 3696.98              | 159.410            | 0.51             | 0.16                    | 0.48                   |
| 11280.00   | 90.100             | 145.740        | 7849.17     | 3674.67           | -3538.44      | 1353.18      | 1759738.06           | 431245.11             | 39°40'51.1733"N | 80°21'13.1743"W | 3788.36              | 159.072            | 0.19             | 0.06                    | 0.18                   |
| 11375.00   | 90.190             | 145.750        | 7848.93     | 3769.66           | -3616.96      | 1406.65      | 1759791.53           | 431166.59             | 39°40'50.4024"N | 80°21'12.4808"W | 3880.86              | 158.749            | 0.10             | 0.09                    | 0.01                   |
| 11469.00   | 90.130             | 145.650        | 7848.67     | 3863.65           | -3694.61      | 1459.63      | 1759844.50           | 431088.94             | 39°40'49.6399"N | 80°21'11.7939"W | 3972.49              | 158.443            | 0.12             | -0.06                   | -0.11                  |
| 11564.00   | 89.890             | 144.750        | 7848.65     | 3958.65           | -3772.62      | 1513.84      | 1759898.71           | 431010.94             | 39°40'48.8741"N | 80°21'11.0911"W | 4065.02              | 158.136            | 0.98             | -0.25                   | -0.95                  |
| 11658.00   | 90.010             | 145.300        | 7848.73     | 4052.65           | -3849.64      | 1567.73      | 1759952.59           | 430933.92             | 39°40'48.1180"N | 80°21'10.3926"W | 4156.62              | 157.842            | 0.60             | 0.13                    | 0.59                   |
| 11753.00   | 89.640             | 144.580        | 7849.02     | 4147.65           | -3927.40      | 1622.30      | 1760007.16           | 430856.16             | 39°40'47.3546"N | 80°21'9.6852"W  | 4249.28              | 157.556            | 0.85             | -0.39                   | -0.76                  |
| 11847.00   | 89.550             | 144.360        | 7849.69     | 4241.65           | -4003.90      | 1676.92      | 1760061.78           | 430779.67             | 39°40'46.6037"N | 80°21'8.9773"W  | 4340.88              | 157.275            | 0.25             | -0.10                   | -0.23                  |
| 11942.00   | 90.290             | 146.070        | 7849.82     | 4336.64           | -4081.92      | 1731.12      | 1760115.97           | 430701.66             | 39°40'45.8378"N | 80°21'8.2748"W  | 4433.83              | 157.019            | 1.96             | 0.78                    | 1.80                   |
| 12036.00   | 88.130             | 142.950        | 7851.12     | 4430.61           | -4158.44      | 1785.67      | 1760170.52           | 430625.15             | 39°40'45.0867"N | 80°21'7.5678"W  | 4525.62              | 156.761            | 4.04             | -2.30                   | -3.32                  |
| 12131.00   | 89.860             | 146.210        | 7852.78     | 4525.58           | -4235.83      | 1840.71      | 1760225.56           | 430547.76             | 39°40'44.3270"N | 80°21'6.8545"W  | 4618.49              | 156.512            | 3.88             | 1.82                    | 3.43                   |
| 12225.00   | 89.330             | 143.880        | 7853.45     | 4619.57           | -4312.86      | 1894.56      | 1760279.41           | 430470.73             | 39°40'43.5708"N | 80°21'6.1564"W  | 4710.64              | 156.285            | 2.54             | -0.56                   | -2.48                  |
| 12320.00   | 89.330             | 144.510        | 7854.56     | 4714.55           | -4389.90      | 1950.14      | 1760334.98           | 430393.69             | 39°40'42.8146"N | 80°21'5.4364"W  | 4803.57              | 156.048            | 0.66             | 0.00                    | 0.66                   |
| 12415.00   | 89.360             | 144.800        | 7855.64     | 4809.54           | -4467.39      | 2005.09      | 1760389.93           | 430316.21             | 39°40'42.0540"N | 80°21'4.7242"W  | 4896.73              | 155.828            | 0.31             | 0.03                    | 0.31                   |
| 12509.00   | 89.830             | 145.330        | 7856.31     | 4903.54           | -4544.45      | 2058.92      | 1760443.75           | 430239.16             | 39°40'41.2975"N | 80°21'4.0264"W  | 4989.10              | 155.627            | 0.75             | 0.50                    | 0.56                   |
| 12604.00   | 90.070             | 146.100        | 7856.39     | 4998.53           | -4622.94      | 2112.43      | 1760497.26           | 430160.67             | 39°40'40.5268"N | 80°21'3.3325"W  | 5082.71              | 155.442            | 0.85             | 0.25                    | 0.81                   |
| 12698.00   | 89.610             | 144.820        | 7856.65     | 5092.53           | -4700.37      | 2165.73      | 1760550.56           | 430083.25             | 39°40'39.7666"N | 80°21'2.6416"W  | 5175.31              | 155.262            | 1.45             | -0.49                   | -1.36                  |
| 12793.00   | 89.830             | 145.180        | 7857.12     | 5187.53           | -4778.19      | 2220.22      | 1760605.04           | 430005.43             | 39°40'39.0026"N | 80°21'1.9353"W  | 5268.82              | 155.078            | 0.44             | 0.23                    | 0.38                   |
| 12887.00   | 89.640             | 143.570        | 7857.55     | 5281.52           | -4854.59      | 2274.97      | 1760659.79           | 429929.03             | 39°40'38.2527"N | 80°21'1.2259"W  | 5361.21              | 154.891            | 1.72             | -0.20                   | -1.71                  |
| 12982.00   | 89.790             | 144.930        | 7858.02     | 5376.50           | -4931.69      | 2330.47      | 1760715.29           | 429851.94             | 39°40'37.4960"N | 80°21'0.5067"W  | 5454.60              | 154.707            | 1.44             | 0.16                    | 1.43                   |
| 13076.00   | 89.730             | 144.530        | 7858.42     | 5470.50           | -5008.43      | 2384.75      | 1760769.56           | 429775.20             | 39°40'36.7426"N | 80°20'59.8033"W | 5547.20              | 154.539            | 0.43             | -0.06                   | -0.43                  |
| 13171.00   | 89.760             | 144.940        | 7858.84     | 5565.50           | -5086.00      | 2439.59      | 1760824.41           | 429697.64             | 39°40'35.9812"N | 80°20'59.0925"W | 5640.83              | 154.374            | 0.43             | 0.03                    | 0.43                   |
| 13266.00   | 89.330             | 145.120        | 7859.60     | 5660.50           | -5163.84      | 2494.04      | 1760878.85           | 429619.80             | 39°40'35.2170"N | 80°20'58.3868"W | 5734.59              | 154.220            | 0.49             | -0.45                   | 0.19                   |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 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] |
|----------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|-----------------|-----------------|-------------------|-----------------|---------------|----------------------|---------------------|
| 13360.00 | 90.290          | 145.320     | 7859.91  | 5754.49        | -5241.05   | 2547.66   | 1760932.47        | 429542.60          | 39°40'34.4590"N | 80°20'57.6917"W | 5827.45           | 154.076         | 1.04          | 1.02                 | 0.21                |
| 13455.00 | 89.980          | 145.350     | 7859.68  | 5849.49        | -5319.19   | 2601.69   | 1760986.50        | 429464.47          | 39°40'33.6918"N | 80°20'56.9913"W | 5921.36           | 153.936         | 0.33          | -0.33                | 0.03                |
| 13549.00 | 89.790          | 145.120     | 7859.87  | 5943.49        | -5396.41   | 2655.29   | 1761040.09        | 429387.25          | 39°40'32.9337"N | 80°20'56.2965"W | 6014.30           | 153.801         | 0.32          | -0.20                | -0.24               |
| 13644.00 | 90.130          | 145.140     | 7859.94  | 6038.49        | -5474.35   | 2709.61   | 1761094.40        | 429309.31          | 39°40'32.1685"N | 80°20'55.5925"W | 6108.23           | 153.666         | 0.36          | 0.36                 | 0.02                |
| 13739.00 | 90.410          | 145.220     | 7859.49  | 6133.49        | -5552.34   | 2763.85   | 1761148.64        | 429231.33          | 39°40'31.4028"N | 80°20'54.8894"W | 6202.20           | 153.537         | 0.31          | 0.29                 | 0.08                |
| 13833.00 | 91.270          | 144.950     | 7858.11  | 6227.48        | -5629.41   | 2817.65   | 1761202.44        | 429154.26          | 39°40'30.6462"N | 80°20'54.1921"W | 6295.19           | 153.411         | 0.96          | 0.91                 | -0.29               |
| 13927.00 | 89.880          | 145.260     | 7857.17  | 6321.47        | -5706.50   | 2871.42   | 1761256.20        | 429077.17          | 39°40'29.8893"N | 80°20'53.4951"W | 6388.21           | 153.289         | 1.52          | -1.48                | 0.33                |
| 14022.00 | 90.070          | 145.270     | 7857.21  | 6416.47        | -5784.57   | 2925.55   | 1761310.33        | 428999.11          | 39°40'29.1228"N | 80°20'52.7935"W | 6482.29           | 153.172         | 0.20          | 0.20                 | 0.01                |
| 14117.00 | 90.040          | 145.210     | 7857.12  | 6511.47        | -5862.62   | 2979.71   | 1761364.49        | 428921.07          | 39°40'28.3566"N | 80°20'52.0914"W | 6576.40           | 153.058         | 0.07          | -0.03                | -0.06               |
| 14211.00 | 90.440          | 145.660     | 7856.73  | 6605.46        | -5940.03   | 3033.04   | 1761417.82        | 428843.66          | 39°40'27.5966"N | 80°20'51.4001"W | 6669.58           | 152.951         | 0.64          | 0.43                 | 0.48                |
| 14306.00 | 89.980          | 145.420     | 7856.38  | 6700.46        | -6018.36   | 3086.79   | 1761471.57        | 428765.34          | 39°40'26.8275"N | 80°20'50.7032"W | 6763.79           | 152.847         | 0.55          | -0.48                | -0.25               |
| 14400.00 | 90.560          | 145.340     | 7855.93  | 6794.46        | -6095.71   | 3140.20   | 1761524.97        | 428687.99          | 39°40'26.0680"N | 80°20'50.0110"W | 6857.00           | 152.745         | 0.62          | 0.62                 | -0.09               |
| 14495.00 | 90.470          | 145.130     | 7855.08  | 6889.45        | -6173.75   | 3194.36   | 1761579.13        | 428609.95          | 39°40'25.3018"N | 80°20'49.3089"W | 6951.20           | 152.642         | 0.24          | -0.09                | -0.22               |
| 14589.00 | 89.760          | 144.310     | 7854.89  | 6983.45        | -6250.48   | 3248.65   | 1761633.42        | 428533.23          | 39°40'24.5485"N | 80°20'48.6053"W | 7044.31           | 152.537         | 1.15          | -0.76                | -0.87               |
| 14684.00 | 89.760          | 144.870     | 7855.29  | 7078.44        | -6327.91   | 3303.70   | 1761688.46        | 428455.80          | 39°40'23.7885"N | 80°20'47.8921"W | 7138.41           | 152.432         | 0.59          | 0.00                 | 0.59                |
| 14778.00 | 89.670          | 144.720     | 7855.76  | 7172.44        | -6404.72   | 3357.89   | 1761742.65        | 428379.00          | 39°40'23.0345"N | 80°20'47.1899"W | 7231.58           | 152.333         | 0.19          | -0.10                | -0.16               |
| 14872.00 | 89.730          | 144.830     | 7856.25  | 7266.44        | -6481.50   | 3412.11   | 1761796.86        | 428302.22          | 39°40'22.2807"N | 80°20'46.4873"W | 7324.78           | 152.236         | 0.13          | 0.06                 | 0.12                |
| 14967.00 | 89.390          | 145.000     | 7856.98  | 7361.44        | -6559.24   | 3466.71   | 1761851.46        | 428224.49          | 39°40'21.5175"N | 80°20'45.7796"W | 7419.01           | 152.143         | 0.40          | -0.36                | 0.18                |
| 15062.00 | 89.610          | 145.110     | 7857.81  | 7456.43        | -6637.11   | 3521.12   | 1761905.87        | 428146.62          | 39°40'20.7530"N | 80°20'45.0744"W | 7513.29           | 152.053         | 0.26          | 0.23                 | 0.12                |
| 15156.00 | 89.150          | 144.520     | 7858.83  | 7550.43        | -6713.93   | 3575.28   | 1761960.03        | 428069.81          | 39°40'19.9989"N | 80°20'44.3726"W | 7606.54           | 151.964         | 0.80          | -0.49                | -0.63               |
| 15251.00 | 89.120          | 144.900     | 7860.26  | 7645.42        | -6791.46   | 3630.16   | 1762014.90        | 427992.28          | 39°40'19.2377"N | 80°20'43.6615"W | 7700.78           | 151.875         | 0.40          | -0.03                | 0.40                |
| 15345.00 | 89.550          | 145.250     | 7861.35  | 7739.41        | -6868.53   | 3683.97   | 1762068.71        | 427915.22          | 39°40'18.4811"N | 80°20'42.9641"W | 7794.12           | 151.793         | 0.59          | 0.46                 | 0.37                |
| 15440.00 | 88.960          | 143.130     | 7862.59  | 7834.39        | -6945.56   | 3739.55   | 1762124.28        | 427838.19          | 39°40'17.7250"N | 80°20'42.2442"W | 7888.28           | 151.702         | 2.32          | -0.62                | -2.23               |
| 15534.00 | 88.650          | 139.410     | 7864.55  | 7928.15        | -7018.86   | 3798.34   | 1762183.07        | 427764.90          | 39°40'17.0061"N | 80°20'41.4836"W | 7980.71           | 151.579         | 3.97          | -0.33                | -3.96               |
| 15629.00 | 88.500          | 141.930     | 7866.91  | 8022.84        | -7092.31   | 3858.52   | 1762243.25        | 427691.45          | 39°40'16.2858"N | 80°20'40.7051"W | 8073.98           | 151.452         | 2.66          | -0.16                | 2.65                |
| 15724.00 | 87.140          | 143.520     | 7870.52  | 8117.69        | -7167.85   | 3916.01   | 1762300.74        | 427615.92          | 39°40'15.5446"N | 80°20'39.9608"W | 8167.82           | 151.351         | 2.20          | -1.43                | 1.67                |
| 15818.00 | 88.040          | 145.160     | 7874.48  | 8211.60        | -7244.15   | 3970.76   | 1762355.48        | 427539.62          | 39°40'14.7956"N | 80°20'39.2516"W | 8261.04           | 151.271         | 1.99          | 0.96                 | 1.74                |
| 15912.00 | 87.510          | 145.260     | 7878.13  | 8305.53        | -7321.29   | 4024.36   | 1762409.07        | 427462.48          | 39°40'14.0383"N | 80°20'38.5570"W | 8354.44           | 151.203         | 0.57          | -0.56                | 0.11                |
| 16007.00 | 87.640          | 145.960     | 7882.15  | 8400.44        | -7399.62   | 4077.97   | 1762462.68        | 427384.16          | 39°40'13.2692"N | 80°20'37.8620"W | 8448.91           | 151.141         | 0.75          | 0.14                 | 0.74                |
| 16101.00 | 87.050          | 144.570     | 7886.50  | 8494.33        | -7476.78   | 4131.47   | 1762516.18        | 427307.00          | 39°40'12.5116"N | 80°20'37.1686"W | 8542.32           | 151.076         | 1.60          | -0.63                | -1.48               |

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# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 16195.00   | 87.140             | 144.600        | 7891.26     | 8588.21           | -7553.29      | 4185.87      | 1762570.57           | 427230.50             | 39°40'11.7605"N | 80°20'36.4638"W | 8635.60              | 151.006            | 0.10             | 0.10                    | 0.03                   |
| 16290.00   | 87.110             | 144.890        | 7896.03     | 8683.09           | -7630.77      | 4240.63      | 1762625.34           | 427153.03             | 39°40'10.9999"N | 80°20'35.7542"W | 8729.93              | 150.938            | 0.31             | -0.03                   | 0.31                   |
| 16384.00   | 87.170             | 145.110        | 7900.72     | 8776.97           | -7707.67      | 4294.48      | 1762679.18           | 427076.13             | 39°40'10.2449"N | 80°20'35.0564"W | 8823.31              | 150.875            | 0.24             | 0.06                    | 0.23                   |
| 16479.00   | 87.420             | 145.770        | 7905.20     | 8871.86           | -7785.82      | 4348.31      | 1762733.01           | 426997.98             | 39°40'9.4776"N  | 80°20'34.3586"W | 8917.78              | 150.817            | 0.74             | 0.26                    | 0.69                   |
| 16574.00   | 87.570             | 145.360        | 7909.36     | 8966.77           | -7864.10      | 4401.98      | 1762786.68           | 426919.71             | 39°40'8.7089"N  | 80°20'33.6630"W | 9012.30              | 150.762            | 0.46             | 0.16                    | -0.43                  |
| 16668.00   | 89.020             | 145.370        | 7912.15     | 9060.72           | -7941.40      | 4455.38      | 1762840.07           | 426842.41             | 39°40'7.9499"N  | 80°20'32.9709"W | 9105.84              | 150.706            | 1.54             | 1.54                    | 0.01                   |
| 16763.00   | 88.530             | 145.450        | 7914.18     | 9155.69           | -8019.59      | 4509.30      | 1762893.99           | 426764.22             | 39°40'7.1822"N  | 80°20'32.2720"W | 9200.42              | 150.652            | 0.52             | -0.52                   | 0.08                   |
| 16857.00   | 88.340             | 145.480        | 7916.75     | 9249.66           | -8097.00      | 4562.57      | 1762947.25           | 426686.82             | 39°40'6.4221"N  | 80°20'31.5816"W | 9294.00              | 150.599            | 0.20             | -0.20                   | 0.03                   |
| 16952.00   | 88.190             | 145.250        | 7919.63     | 9344.61           | -8175.13      | 4616.54      | 1763001.22           | 426608.70             | 39°40'5.6550"N  | 80°20'30.8821"W | 9388.56              | 150.546            | 0.29             | -0.16                   | -0.24                  |
| 17047.00   | 88.650             | 145.700        | 7922.25     | 9439.57           | -8253.37      | 4670.36      | 1763055.04           | 426530.46             | 39°40'4.8868"N  | 80°20'30.1845"W | 9483.16              | 150.496            | 0.68             | 0.48                    | 0.47                   |
| 17141.00   | 86.490             | 145.290        | 7926.23     | 9533.48           | -8330.76      | 4723.56      | 1763108.23           | 426453.08             | 39°40'4.1269"N  | 80°20'29.4950"W | 9576.72              | 150.447            | 2.34             | -2.30                   | -0.44                  |
| 17236.00   | 88.190             | 144.830        | 7930.64     | 9628.37           | -8408.54      | 4777.91      | 1763162.58           | 426375.29             | 39°40'3.3632"N  | 80°20'28.7908"W | 9671.19              | 150.394            | 1.85             | 1.79                    | -0.48                  |
| 17331.00   | 88.250             | 145.520        | 7933.59     | 9723.32           | -8486.49      | 4832.13      | 1763216.80           | 426297.35             | 39°40'2.5979"N  | 80°20'28.0880"W | 9765.76              | 150.343            | 0.73             | 0.06                    | 0.73                   |
| 17426.00   | 87.850             | 144.670        | 7936.82     | 9818.27           | -8564.36      | 4886.46      | 1763271.12           | 426219.49             | 39°40'1.8334"N  | 80°20'27.3840"W | 9860.31              | 150.293            | 0.99             | -0.42                   | -0.89                  |
| 17520.00   | 87.760             | 144.840        | 7940.42     | 9912.20           | -8641.07      | 4940.66      | 1763325.33           | 426142.78             | 39°40'1.0803"N  | 80°20'26.6817"W | 9953.81              | 150.241            | 0.20             | -0.10                   | 0.18                   |
| 17615.00   | 88.310             | 145.170        | 7943.68     | 10007.14          | -8718.85      | 4995.12      | 1763379.77           | 426065.01             | 39°40'0.3167"N  | 80°20'25.9762"W | 10048.36             | 150.191            | 0.68             | 0.58                    | 0.35                   |
| 17710.00   | 88.000             | 145.230        | 7946.74     | 10102.09          | -8796.82      | 5049.30      | 1763433.96           | 425987.05             | 39°39'59.5512"N | 80°20'25.2739"W | 10142.95             | 150.145            | 0.33             | -0.33                   | 0.06                   |
| 17804.00   | 88.280             | 145.410        | 7949.79     | 10196.04          | -8874.07      | 5102.76      | 1763487.41           | 425909.79             | 39°39'58.7926"N | 80°20'24.5812"W | 10236.57             | 150.100            | 0.35             | 0.30                    | 0.19                   |
| 17899.00   | 88.530             | 145.300        | 7952.43     | 10291.00          | -8952.20      | 5156.75      | 1763541.39           | 425831.67             | 39°39'58.0255"N | 80°20'23.8815"W | 10331.21             | 150.057            | 0.29             | 0.26                    | -0.12                  |
| 17994.00   | 88.500             | 145.410        | 7954.90     | 10385.97          | -9030.33      | 5210.74      | 1763595.38           | 425753.55             | 39°39'57.2583"N | 80°20'23.1819"W | 10425.86             | 150.014            | 0.12             | -0.03                   | 0.12                   |
| 18088.00   | 89.270             | 144.960        | 7956.73     | 10479.95          | -9107.49      | 5264.39      | 1763649.03           | 425676.39             | 39°39'56.5008"N | 80°20'22.4865"W | 10519.51             | 149.971            | 0.95             | 0.82                    | -0.48                  |
| 18183.00   | 89.300             | 145.260        | 7957.91     | 10574.94          | -9185.41      | 5318.73      | 1763703.37           | 425598.48             | 39°39'55.7358"N | 80°20'21.7825"W | 10614.17             | 149.927            | 0.32             | 0.03                    | 0.32                   |
| 18277.00   | 89.450             | 145.240        | 7958.94     | 10668.93          | -9262.64      | 5372.31      | 1763756.94           | 425521.26             | 39°39'54.9775"N | 80°20'21.0882"W | 10707.85             | 149.886            | 0.16             | 0.16                    | -0.02                  |
| 18372.00   | 89.200             | 144.920        | 7960.06     | 10763.93          | -9340.53      | 5426.68      | 1763811.31           | 425443.37             | 39°39'54.2127"N | 80°20'20.3836"W | 10802.51             | 149.844            | 0.43             | -0.26                   | -0.34                  |
| 18467.00   | 89.660             | 145.670        | 7961.00     | 10858.92          | -9418.62      | 5480.77      | 1763865.40           | 425365.28             | 39°39'53.4459"N | 80°20'19.6827"W | 10897.21             | 149.805            | 0.93             | 0.48                    | 0.79                   |
| 18561.00   | 89.390             | 145.010        | 7961.78     | 10952.92          | -9495.94      | 5534.22      | 1763918.85           | 425287.97             | 39°39'52.6868"N | 80°20'18.9900"W | 10990.92             | 149.766            | 0.76             | -0.29                   | -0.70                  |
| 18656.00   | 89.230             | 145.020        | 7962.92     | 11047.91          | -9573.76      | 5588.69      | 1763973.31           | 425210.15             | 39°39'51.9227"N | 80°20'18.2843"W | 11085.59             | 149.726            | 0.17             | -0.17                   | 0.01                   |
| 18751.00   | 89.260             | 145.040        | 7964.18     | 11142.90          | -9651.61      | 5643.13      | 1764027.75           | 425132.31             | 39°39'51.1584"N | 80°20'17.5788"W | 11180.27             | 149.686            | 0.04             | 0.03                    | 0.02                   |
| 18845.00   | 90.470             | 145.210        | 7964.40     | 11236.90          | -9728.72      | 5696.88      | 1764081.49           | 425055.20             | 39°39'50.4012"N | 80°20'16.8824"W | 11273.97             | 149.648            | 1.30             | 1.29                    | 0.18                   |
| 18940.00   | 90.770             | 145.230        | 7963.37     | 11331.89          | -9806.74      | 5751.07      | 1764135.68           | 424977.18             | 39°39'49.6352"N | 80°20'16.1802"W | 11368.69             | 149.611            | 0.32             | 0.32                    | 0.02                   |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 19034.00   | 91.230             | 145.030        | 7961.73     | 11425.88          | -9883.86      | 5804.80      | 1764189.41           | 424900.07             | 39°39'48.8781"N | 80°20'15.4840"W | 11462.39             | 149.574            | 0.53             | 0.49                    | -0.21                  |
| 19129.00   | 90.930             | 145.080        | 7959.94     | 11520.86          | -9961.71      | 5859.21      | 1764243.81           | 424822.22             | 39°39'48.1136"N | 80°20'14.7791"W | 11557.08             | 149.537            | 0.32             | -0.32                   | 0.05                   |
| 19224.00   | 91.360             | 144.940        | 7958.04     | 11615.84          | -10039.53     | 5913.67      | 1764298.27           | 424744.41             | 39°39'47.3496"N | 80°20'14.0734"W | 11651.76             | 149.500            | 0.48             | 0.45                    | -0.15                  |
| 19318.00   | 91.360             | 145.190        | 7955.81     | 11709.81          | -10116.57     | 5967.48      | 1764352.08           | 424667.38             | 39°39'46.5932"N | 80°20'13.3762"W | 11745.46             | 149.465            | 0.27             | 0.00                    | 0.27                   |
| 19413.00   | 91.270             | 145.030        | 7953.63     | 11804.79          | -10194.47     | 6021.81      | 1764406.41           | 424589.48             | 39°39'45.8284"N | 80°20'12.6723"W | 11840.16             | 149.430            | 0.19             | -0.09                   | -0.17                  |
| 19508.00   | 90.990             | 145.140        | 7951.76     | 11899.77          | -10272.35     | 6076.17      | 1764460.77           | 424511.60             | 39°39'45.0636"N | 80°20'11.9679"W | 11934.87             | 149.395            | 0.32             | -0.29                   | 0.12                   |
| 19602.00   | 90.960             | 144.950        | 7950.16     | 11993.76          | -10349.39     | 6130.02      | 1764514.61           | 424434.57             | 39°39'44.3073"N | 80°20'11.2702"W | 12028.59             | 149.361            | 0.20             | -0.03                   | -0.20                  |
| 19791.00   | 90.680             | 144.810        | 7947.45     | 12182.74          | -10503.96     | 6238.74      | 1764623.32           | 424280.00             | 39°39'42.7897"N | 80°20'9.8618"W  | 12217.00             | 149.292            | 0.17             | -0.15                   | -0.07                  |
| 19886.00   | 90.860             | 145.390        | 7946.17     | 12277.73          | -10581.87     | 6293.09      | 1764677.67           | 424202.10             | 39°39'42.0248"N | 80°20'9.1576"W  | 12311.74             | 149.260            | 0.64             | 0.19                    | 0.61                   |
| 19981.00   | 90.800             | 144.620        | 7944.80     | 12372.72          | -10659.68     | 6347.57      | 1764732.14           | 424124.29             | 39°39'41.2608"N | 80°20'8.4518"W  | 12406.47             | 149.227            | 0.81             | -0.06                   | -0.81                  |
| 20076.00   | 90.740             | 144.480        | 7943.52     | 12467.70          | -10737.07     | 6402.66      | 1764787.23           | 424046.91             | 39°39'40.5011"N | 80°20'7.7382"W  | 12501.15             | 149.192            | 0.16             | -0.06                   | -0.15                  |
| 20170.00   | 90.620             | 145.140        | 7942.41     | 12561.70          | -10813.88     | 6456.83      | 1764841.40           | 423970.10             | 39°39'39.7469"N | 80°20'7.0365"W  | 12594.87             | 149.159            | 0.71             | -0.13                   | 0.70                   |
| 20265.00   | 90.800             | 145.170        | 7941.23     | 12656.69          | -10891.84     | 6511.10      | 1764895.67           | 423892.15             | 39°39'38.9815"N | 80°20'6.3333"W  | 12689.63             | 149.129            | 0.19             | 0.19                    | 0.03                   |
| 20360.00   | 90.620             | 145.110        | 7940.05     | 12751.68          | -10969.79     | 6565.40      | 1764949.96           | 423814.21             | 39°39'38.2161"N | 80°20'5.6298"W  | 12784.39             | 149.100            | 0.20             | -0.19                   | -0.06                  |
| 20455.00   | 91.200             | 145.000        | 7938.54     | 12846.67          | -11047.65     | 6619.81      | 1765004.36           | 423736.35             | 39°39'37.4516"N | 80°20'4.9249"W  | 12879.15             | 149.070            | 0.62             | 0.61                    | -0.12                  |
| 20549.00   | 91.200             | 144.890        | 7936.57     | 12940.65          | -11124.58     | 6673.78      | 1765058.34           | 423659.42             | 39°39'36.6963"N | 80°20'4.2256"W  | 12972.88             | 149.040            | 0.12             | 0.00                    | -0.12                  |
| 20644.00   | 91.170             | 145.010        | 7934.61     | 13035.63          | -11202.34     | 6728.33      | 1765112.88           | 423581.67             | 39°39'35.9329"N | 80°20'3.5190"W  | 13067.62             | 149.010            | 0.13             | -0.03                   | 0.13                   |
| 20739.00   | 91.080             | 145.080        | 7932.74     | 13130.61          | -11280.18     | 6782.75      | 1765167.30           | 423503.83             | 39°39'35.1685"N | 80°20'2.8140"W  | 13162.38             | 148.982            | 0.12             | -0.09                   | 0.07                   |
| 20833.00   | 91.140             | 145.020        | 7930.92     | 13224.59          | -11357.22     | 6836.59      | 1765221.13           | 423426.80             | 39°39'34.4122"N | 80°20'2.1165"W  | 13256.14             | 148.954            | 0.09             | 0.06                    | -0.06                  |
| 20928.00   | 91.170             | 144.550        | 7929.01     | 13319.57          | -11434.82     | 6891.36      | 1765275.90           | 423349.21             | 39°39'33.6503"N | 80°20'1.4070"W  | 13350.87             | 148.924            | 0.50             | 0.03                    | -0.49                  |
| 21022.00   | 91.140             | 144.790        | 7927.11     | 13413.55          | -11511.49     | 6945.70      | 1765330.24           | 423272.54             | 39°39'32.8976"N | 80°20'0.7030"W  | 13444.60             | 148.894            | 0.26             | -0.03                   | 0.26                   |
| 21117.00   | 91.110             | 144.890        | 7925.25     | 13508.53          | -11589.14     | 7000.40      | 1765384.94           | 423194.89             | 39°39'32.1352"N | 80°19'59.9945"W | 13539.34             | 148.866            | 0.11             | -0.03                   | 0.11                   |
| 21211.00   | 90.920             | 144.860        | 7923.58     | 13602.52          | -11666.01     | 7054.48      | 1765439.01           | 423118.03             | 39°39'31.3805"N | 80°19'59.2940"W | 13633.10             | 148.839            | 0.20             | -0.20                   | -0.03                  |
| 21306.00   | 93.660             | 145.680        | 7919.79     | 13697.43          | -11744.02     | 7108.55      | 1765493.08           | 423040.03             | 39°39'30.6145"N | 80°19'58.5934"W | 13727.83             | 148.814            | 3.01             | 2.88                    | 0.86                   |
| 21401.00   | 92.000             | 144.700        | 7915.10     | 13792.31          | -11821.92     | 7162.71      | 1765547.24           | 422962.13             | 39°39'29.8496"N | 80°19'57.8917"W | 13822.52             | 148.789            | 2.03             | -1.75                   | -1.03                  |
| 21495.00   | 92.000             | 144.800        | 7911.82     | 13886.25          | -11898.63     | 7216.93      | 1765601.45           | 422885.42             | 39°39'29.0964"N | 80°19'57.1894"W | 13916.23             | 148.762            | 0.11             | 0.00                    | 0.11                   |
| 21590.00   | 91.510             | 144.920        | 7908.91     | 13981.21          | -11976.28     | 7271.59      | 1765656.11           | 422807.77             | 39°39'28.3340"N | 80°19'56.4815"W | 14010.97             | 148.735            | 0.53             | -0.52                   | 0.13                   |
| 21685.00   | 92.060             | 145.010        | 7905.95     | 14076.16          | -12054.03     | 7326.10      | 1765710.61           | 422730.03             | 39°39'27.5707"N | 80°19'55.7753"W | 14105.72             | 148.710            | 0.59             | 0.58                    | 0.09                   |
| 21780.00   | 92.150             | 144.680        | 7902.46     | 14171.10          | -12131.65     | 7380.76      | 1765765.27           | 422652.42             | 39°39'26.8086"N | 80°19'55.0673"W | 14200.44             | 148.684            | 0.36             | 0.09                    | -0.35                  |
| 21874.00   | 90.650             | 144.650        | 7900.16     | 14265.06          | -12208.31     | 7435.11      | 1765819.62           | 422575.76             | 39°39'26.0560"N | 80°19'54.3633"W | 14294.18             | 148.658            | 1.60             | -1.60                   | -0.03                  |

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Environmental Protection



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 21969.00   | 90.920             | 145.120        | 7898.86     | 14360.05          | -12286.01     | 7489.75      | 1765874.25           | 422498.06             | 39°39'25.2931"N | 80°19'53.6556"W | 14388.97             | 148.633            | 0.57             | 0.28                    | 0.49                   |
| 22064.00   | 90.980             | 145.080        | 7897.29     | 14455.04          | -12363.91     | 7544.09      | 1765928.60           | 422420.16             | 39°39'24.5281"N | 80°19'52.9515"W | 14483.78             | 148.610            | 0.08             | 0.06                    | -0.04                  |
| 22158.00   | 90.920             | 144.830        | 7895.73     | 14549.03          | -12440.86     | 7598.06      | 1765982.56           | 422343.22             | 39°39'23.7726"N | 80°19'52.2524"W | 14577.57             | 148.586            | 0.27             | -0.06                   | -0.27                  |
| 22253.00   | 90.860             | 144.930        | 7894.25     | 14644.02          | -12518.56     | 7652.71      | 1766037.21           | 422265.53             | 39°39'23.0098"N | 80°19'51.5446"W | 14672.36             | 148.562            | 0.12             | -0.06                   | 0.11                   |
| 22348.00   | 90.740             | 144.810        | 7892.93     | 14739.01          | -12596.25     | 7707.37      | 1766091.86           | 422187.85             | 39°39'22.2470"N | 80°19'50.8366"W | 14767.16             | 148.538            | 0.18             | -0.13                   | -0.13                  |
| 22442.00   | 90.740             | 144.410        | 7891.71     | 14833.00          | -12672.87     | 7761.80      | 1766146.29           | 422111.23             | 39°39'21.4947"N | 80°19'50.1316"W | 14860.93             | 148.514            | 0.43             | 0.00                    | -0.43                  |
| 22537.00   | 90.650             | 144.680        | 7890.56     | 14927.99          | -12750.25     | 7816.91      | 1766201.39           | 422033.85             | 39°39'20.7351"N | 80°19'49.4180"W | 14955.70             | 148.488            | 0.30             | -0.09                   | 0.28                   |
| 22632.00   | 90.770             | 144.500        | 7889.38     | 15022.98          | -12827.67     | 7871.95      | 1766256.43           | 421956.44             | 39°39'19.9750"N | 80°19'48.7051"W | 15050.47             | 148.464            | 0.23             | 0.13                    | -0.19                  |
| 22726.00   | 90.680             | 144.450        | 7888.19     | 15116.96          | -12904.17     | 7926.56      | 1766311.04           | 421879.94             | 39°39'19.2239"N | 80°19'47.9978"W | 15144.24             | 148.439            | 0.11             | -0.10                   | -0.05                  |
| 22821.00   | 90.740             | 144.570        | 7887.02     | 15211.95          | -12981.51     | 7981.71      | 1766366.19           | 421802.60             | 39°39'18.4646"N | 80°19'47.2837"W | 15239.01             | 148.415            | 0.14             | 0.06                    | 0.13                   |
| 22916.00   | 90.930             | 145.000        | 7885.63     | 15306.94          | -13059.12     | 8036.49      | 1766420.96           | 421725.00             | 39°39'17.7027"N | 80°19'46.5742"W | 15333.81             | 148.392            | 0.49             | 0.20                    | 0.45                   |
| 23010.00   | 90.310             | 144.480        | 7884.61     | 15400.94          | -13135.87     | 8090.75      | 1766475.22           | 421648.26             | 39°39'16.9491"N | 80°19'45.8714"W | 15427.61             | 148.370            | 0.86             | -0.66                   | -0.55                  |
| 23105.00   | 89.820             | 144.860        | 7884.51     | 15495.93          | -13213.37     | 8145.69      | 1766530.15           | 421570.76             | 39°39'16.1882"N | 80°19'45.1599"W | 15522.42             | 148.347            | 0.65             | -0.52                   | 0.40                   |
| 23200.00   | 90.100             | 145.120        | 7884.57     | 15590.93          | -13291.18     | 8200.19      | 1766584.65           | 421492.95             | 39°39'15.4242"N | 80°19'44.4540"W | 15617.25             | 148.327            | 0.40             | 0.29                    | 0.27                   |
| 23295.00   | 89.880             | 144.480        | 7884.59     | 15685.93          | -13368.81     | 8254.95      | 1766639.41           | 421415.33             | 39°39'14.6620"N | 80°19'43.7447"W | 15712.07             | 148.306            | 0.71             | -0.23                   | -0.67                  |
| 23389.00   | 90.000             | 144.760        | 7884.69     | 15779.93          | -13445.45     | 8309.38      | 1766693.83           | 421338.69             | 39°39'13.9095"N | 80°19'43.0399"W | 15805.88             | 148.284            | 0.32             | 0.13                    | 0.30                   |
| 23484.00   | 90.100             | 145.000        | 7884.60     | 15874.93          | -13523.16     | 8364.03      | 1766748.48           | 421260.99             | 39°39'13.1466"N | 80°19'42.3320"W | 15900.71             | 148.263            | 0.27             | 0.11                    | 0.25                   |
| 23579.00   | 90.190             | 144.830        | 7884.36     | 15969.93          | -13600.89     | 8418.63      | 1766803.08           | 421183.26             | 39°39'12.3833"N | 80°19'41.6248"W | 15995.55             | 148.243            | 0.20             | 0.09                    | -0.18                  |
| 23674.00   | 90.160             | 144.920        | 7884.07     | 16064.93          | -13678.59     | 8473.29      | 1766857.74           | 421105.57             | 39°39'11.6204"N | 80°19'40.9168"W | 16090.39             | 148.224            | 0.10             | -0.03                   | 0.09                   |
| 23768.00   | 90.190             | 144.910        | 7883.79     | 16158.93          | -13755.51     | 8527.32      | 1766911.76           | 421028.65             | 39°39'10.8651"N | 80°19'40.2170"W | 16184.23             | 148.204            | 0.03             | 0.03                    | -0.01                  |
| 23863.00   | 90.530             | 144.990        | 7883.19     | 16253.93          | -13833.28     | 8581.88      | 1766966.32           | 420950.88             | 39°39'10.1015"N | 80°19'39.5104"W | 16279.08             | 148.185            | 0.37             | 0.36                    | 0.08                   |
| 23957.00   | 90.500             | 144.810        | 7882.34     | 16347.92          | -13910.19     | 8635.93      | 1767020.36           | 420873.99             | 39°39'9.3465"N  | 80°19'38.8104"W | 16372.92             | 148.167            | 0.19             | -0.03                   | -0.19                  |
| 24052.00   | 90.500             | 144.660        | 7881.52     | 16442.92          | -13987.75     | 8690.77      | 1767075.21           | 420796.43             | 39°39'8.5849"N  | 80°19'38.1001"W | 16467.75             | 148.147            | 0.16             | 0.00                    | -0.16                  |
| 24147.00   | 90.620             | 144.630        | 7880.59     | 16537.91          | -14065.23     | 8745.74      | 1767130.17           | 420718.96             | 39°39'7.8242"N  | 80°19'37.3882"W | 16562.57             | 148.127            | 0.13             | 0.13                    | -0.03                  |
| 24241.00   | 89.760             | 144.890        | 7880.28     | 16631.91          | -14142.00     | 8799.98      | 1767184.41           | 420642.19             | 39°39'7.0704"N  | 80°19'36.6858"W | 16656.40             | 148.108            | 0.96             | -0.91                   | 0.28                   |
| 24336.00   | 89.910             | 144.900        | 7880.55     | 16726.91          | -14219.72     | 8854.61      | 1767239.03           | 420564.47             | 39°39'6.3073"N  | 80°19'35.9782"W | 16751.26             | 148.090            | 0.16             | 0.16                    | 0.01                   |
| 24431.00   | 89.880             | 144.730        | 7880.72     | 16821.91          | -14297.36     | 8909.35      | 1767293.77           | 420486.83             | 39°39'5.5450"N  | 80°19'35.2693"W | 16846.10             | 148.071            | 0.18             | -0.03                   | -0.18                  |
| 24525.00   | 89.820             | 144.680        | 7880.97     | 16915.91          | -14374.08     | 8963.66      | 1767348.08           | 420410.12             | 39°39'4.7917"N  | 80°19'34.5660"W | 16939.94             | 148.052            | 0.08             | -0.06                   | -0.05                  |
| 24620.00   | 89.850             | 145.710        | 7881.24     | 17010.90          | -14452.09     | 9017.89      | 1767402.30           | 420332.12             | 39°39'4.0258"N  | 80°19'33.8636"W | 17034.82             | 148.036            | 1.08             | 0.03                    | 1.08                   |
| 24715.00   | 89.820             | 146.020        | 7881.52     | 17105.89          | -14530.72     | 9071.20      | 1767455.61           | 420253.49             | 39°39'3.2535"N  | 80°19'33.1729"W | 17129.75             | 148.024            | 0.33             | -0.03                   | 0.33                   |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 24904.00   | 90.130             | 145.830        | 7881.60     | 17294.87          | -14687.27     | 9177.09      | 1767561.49           | 420096.95             | 39°39'1.7160"N  | 80°19'31.8008"W | 17318.63             | 148.002            | 0.19             | 0.16                    | -0.10                  |
| 24999.00   | 90.400             | 146.050        | 7881.16     | 17389.85          | -14765.97     | 9230.29      | 1767614.69           | 420018.25             | 39°39'0.9430"N  | 80°19'31.1113"W | 17413.56             | 147.990            | 0.37             | 0.28                    | 0.23                   |
| 25094.00   | 90.310             | 145.680        | 7880.57     | 17484.84          | -14844.60     | 9283.60      | 1767668.00           | 419939.63             | 39°39'0.1708"N  | 80°19'30.4206"W | 17508.50             | 147.979            | 0.40             | -0.09                   | -0.39                  |
| 25188.00   | 90.220             | 145.820        | 7880.14     | 17578.83          | -14922.30     | 9336.50      | 1767720.90           | 419861.93             | 39°38'59.4077"N | 80°19'29.7352"W | 17602.42             | 147.967            | 0.18             | -0.10                   | 0.15                   |
| 25283.00   | 90.130             | 145.870        | 7879.85     | 17673.82          | -15000.91     | 9389.84      | 1767774.23           | 419783.32             | 39°38'58.6356"N | 80°19'29.0442"W | 17697.36             | 147.955            | 0.11             | -0.09                   | 0.05                   |
| 25378.00   | 89.940             | 145.870        | 7879.79     | 17768.81          | -15079.55     | 9443.14      | 1767827.53           | 419704.69             | 39°38'57.8633"N | 80°19'28.3535"W | 17792.30             | 147.944            | 0.20             | -0.20                   | 0.00                   |
| 25472.00   | 88.430             | 145.020        | 7881.12     | 17862.79          | -15156.96     | 9496.45      | 1767880.83           | 419627.29             | 39°38'57.1032"N | 80°19'27.6630"W | 17886.19             | 147.931            | 1.84             | -1.61                   | -0.90                  |
| 25567.00   | 89.420             | 145.710        | 7882.91     | 17957.77          | -15235.11     | 9550.43      | 1767934.81           | 419549.15             | 39°38'56.3357"N | 80°19'26.9637"W | 17981.08             | 147.918            | 1.27             | 1.04                    | 0.73                   |
| 25661.00   | 89.820             | 145.580        | 7883.53     | 18051.77          | -15312.71     | 9603.48      | 1767987.86           | 419471.55             | 39°38'55.5737"N | 80°19'26.2765"W | 18075.01             | 147.906            | 0.45             | 0.43                    | -0.14                  |
| 25756.00   | 89.730             | 145.680        | 7883.90     | 18146.76          | -15391.12     | 9657.11      | 1768041.48           | 419393.14             | 39°38'54.8036"N | 80°19'25.5818"W | 18169.93             | 147.894            | 0.14             | -0.09                   | 0.11                   |
| 25850.00   | 89.970             | 145.990        | 7884.15     | 18240.75          | -15468.90     | 9709.90      | 1768094.27           | 419315.37             | 39°38'54.0397"N | 80°19'24.8978"W | 18263.87             | 147.883            | 0.42             | 0.26                    | 0.33                   |
| 25945.00   | 89.700             | 145.610        | 7884.42     | 18335.74          | -15547.47     | 9763.29      | 1768147.66           | 419236.80             | 39°38'53.2680"N | 80°19'24.2060"W | 18358.81             | 147.873            | 0.49             | -0.28                   | -0.40                  |
| 26039.00   | 89.730             | 145.830        | 7884.89     | 18429.73          | -15625.14     | 9816.24      | 1768200.60           | 419159.13             | 39°38'52.5052"N | 80°19'23.5201"W | 18452.74             | 147.862            | 0.24             | 0.03                    | 0.23                   |
| 26134.00   | 89.080             | 145.610        | 7885.88     | 18524.72          | -15703.64     | 9869.74      | 1768254.10           | 419080.65             | 39°38'51.7344"N | 80°19'22.8270"W | 18547.67             | 147.851            | 0.72             | -0.68                   | -0.23                  |
| 26229.00   | 89.450             | 145.700        | 7887.10     | 18619.70          | -15782.07     | 9923.33      | 1768307.69           | 419002.22             | 39°38'50.9641"N | 80°19'22.1327"W | 18642.59             | 147.839            | 0.40             | 0.39                    | 0.09                   |
| 26323.00   | 89.510             | 145.660        | 7887.95     | 18713.69          | -15859.70     | 9976.33      | 1768360.69           | 418924.59             | 39°38'50.2017"N | 80°19'21.4461"W | 18736.52             | 147.829            | 0.08             | 0.06                    | -0.04                  |
| 26418.00   | 89.480             | 145.900        | 7888.79     | 18808.68          | -15938.25     | 10029.75     | 1768414.11           | 418846.05             | 39°38'49.4302"N | 80°19'20.7540"W | 18831.46             | 147.818            | 0.25             | -0.03                   | 0.25                   |
| 26512.00   | 89.880             | 145.930        | 7889.31     | 18902.67          | -16016.10     | 10082.43     | 1768466.78           | 418768.20             | 39°38'48.6656"N | 80°19'20.0715"W | 18925.40             | 147.809            | 0.43             | 0.43                    | 0.03                   |
| 26607.00   | 89.850             | 145.800        | 7889.54     | 18997.65          | -16094.73     | 10135.74     | 1768520.09           | 418689.57             | 39°38'47.8933"N | 80°19'19.3809"W | 19020.35             | 147.799            | 0.14             | -0.03                   | -0.14                  |
| 26702.00   | 89.910             | 145.790        | 7889.73     | 19092.65          | -16173.30     | 10189.15     | 1768573.49           | 418611.01             | 39°38'47.1217"N | 80°19'18.6890"W | 19115.29             | 147.789            | 0.06             | 0.06                    | -0.01                  |
| 26797.00   | 89.910             | 145.860        | 7889.88     | 19187.64          | -16251.90     | 10242.51     | 1768626.85           | 418532.42             | 39°38'46.3498"N | 80°19'17.9976"W | 19210.23             | 147.779            | 0.07             | 0.00                    | 0.07                   |
| 26891.00   | 90.430             | 144.860        | 7889.60     | 19281.63          | -16329.23     | 10295.94     | 1768680.27           | 418455.09             | 39°38'45.5903"N | 80°19'17.3056"W | 19304.15             | 147.768            | 1.20             | 0.55                    | -1.06                  |
| 26986.00   | 90.400             | 144.970        | 7888.92     | 19376.63          | -16406.97     | 10350.54     | 1768734.88           | 418377.36             | 39°38'44.8270"N | 80°19'16.5985"W | 19399.03             | 147.754            | 0.12             | -0.03                   | 0.12                   |
| 27080.00   | 89.910             | 144.970        | 7888.66     | 19470.63          | -16483.94     | 10404.50     | 1768788.83           | 418300.39             | 39°38'44.0712"N | 80°19'15.8998"W | 19492.92             | 147.740            | 0.52             | -0.52                   | 0.00                   |
| 27175.00   | 89.820             | 144.710        | 7888.89     | 19565.63          | -16561.61     | 10459.21     | 1768843.53           | 418222.73             | 39°38'43.3086"N | 80°19'15.1914"W | 19587.80             | 147.726            | 0.29             | -0.09                   | -0.27                  |
| 27364.00   | 89.880             | 144.700        | 7889.38     | 19754.62          | -16715.86     | 10568.41     | 1768895.73           | 418068.48             | 39°38'41.7940"N | 80°19'13.7775"W | 19776.54             | 147.697            | 0.03             | 0.03                    | -0.01                  |
| 27459.00   | 89.820             | 144.840        | 7889.63     | 19849.62          | -16793.46     | 10623.21     | 1769007.52           | 417990.88             | 39°38'41.0320"N | 80°19'13.0679"W | 19871.41             | 147.683            | 0.16             | -0.06                   | 0.15                   |
| 27553.00   | 89.850             | 144.610        | 7889.90     | 19943.62          | -16870.21     | 10677.49     | 1769061.81           | 417914.15             | 39°38'40.2785"N | 80°19'12.3651"W | 19965.29             | 147.669            | 0.25             | 0.03                    | -0.24                  |
| 27647.00   | 89.790             | 144.690        | 7890.20     | 20037.62          | -16946.87     | 10731.88     | 1769116.19           | 417837.48             | 39°38'39.5257"N | 80°19'11.6609"W | 20059.16             | 147.655            | 0.11             | -0.06                   | 0.09                   |
| 27742.00   | 90.100             | 144.800        | 7890.29     | 20132.62          | -17024.45     | 10786.71     | 1769171.02           | 417759.91             | 39°38'38.7640"N | 80°19'10.9509"W | 20154.03             | 147.642            | 0.35             | 0.33                    | 0.12                   |

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# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 27836.00   | 90.340             | 144.650        | 7889.93     | 20226.62          | -17101.19     | 10841.00     | 1769225.30           | 417683.18             | 39°38'38.0105"N | 80°19'10.2481"W | 20247.91             | 147.628            | 0.30             | 0.26                    | -0.16                  |
| 27930.00   | 90.340             | 144.840        | 7889.37     | 20320.61          | -17177.95     | 10895.26     | 1769279.56           | 417606.42             | 39°38'37.2568"N | 80°19'9.5456"W  | 20341.79             | 147.615            | 0.20             | 0.00                    | 0.20                   |
| 28025.00   | 90.370             | 144.860        | 7888.78     | 20415.61          | -17255.62     | 10949.95     | 1769334.24           | 417528.75             | 39°38'36.4941"N | 80°19'8.8374"W  | 20436.68             | 147.602            | 0.04             | 0.03                    | 0.02                   |
| 28119.00   | 90.060             | 144.850        | 7888.43     | 20509.61          | -17332.49     | 11004.06     | 1769388.35           | 417451.89             | 39°38'35.7394"N | 80°19'8.1368"W  | 20530.57             | 147.589            | 0.33             | -0.33                   | -0.01                  |
| 28214.00   | 90.100             | 144.630        | 7888.29     | 20604.61          | -17410.06     | 11058.90     | 1769443.19           | 417374.33             | 39°38'34.9777"N | 80°19'7.4267"W  | 20625.46             | 147.576            | 0.24             | 0.04                    | -0.23                  |
| 28309.00   | 90.100             | 144.890        | 7888.13     | 20699.61          | -17487.65     | 11113.72     | 1769498.00           | 417296.74             | 39°38'34.2158"N | 80°19'6.7170"W  | 20720.34             | 147.563            | 0.27             | 0.00                    | 0.27                   |
| 28403.00   | 90.060             | 144.790        | 7888.00     | 20793.61          | -17564.50     | 11167.85     | 1769552.13           | 417219.90             | 39°38'33.4612"N | 80°19'6.0162"W  | 20814.23             | 147.551            | 0.11             | -0.04                   | -0.11                  |
| 28498.00   | 90.130             | 144.820        | 7887.84     | 20888.61          | -17642.13     | 11222.60     | 1769606.88           | 417142.27             | 39°38'32.6989"N | 80°19'5.3072"W  | 20909.13             | 147.539            | 0.08             | 0.07                    | 0.03                   |
| 28592.00   | 90.060             | 144.790        | 7887.68     | 20982.61          | -17718.95     | 11276.78     | 1769661.06           | 417065.46             | 39°38'31.9446"N | 80°19'4.6058"W  | 21003.02             | 147.526            | 0.08             | -0.07                   | -0.03                  |
| 28687.00   | 90.220             | 144.540        | 7887.45     | 21077.60          | -17796.45     | 11331.72     | 1769716.00           | 416987.96             | 39°38'31.1837"N | 80°19'3.8944"W  | 21097.90             | 147.513            | 0.31             | 0.17                    | -0.26                  |
| 28781.00   | 89.820             | 144.850        | 7887.42     | 21171.60          | -17873.16     | 11386.05     | 1769770.32           | 416911.26             | 39°38'30.4304"N | 80°19'3.1911"W  | 21191.79             | 147.501            | 0.54             | -0.43                   | 0.33                   |
| 28875.00   | 89.300             | 144.890        | 7888.14     | 21265.60          | -17950.03     | 11440.14     | 1769824.40           | 416834.38             | 39°38'29.6756"N | 80°19'2.4908"W  | 21285.69             | 147.489            | 0.55             | -0.55                   | 0.04                   |
| 28970.00   | 89.360             | 145.040        | 7889.25     | 21360.59          | -18027.81     | 11494.67     | 1769878.93           | 416756.61             | 39°38'28.9118"N | 80°19'1.7847"W  | 21380.59             | 147.478            | 0.17             | 0.06                    | 0.16                   |
| 29064.00   | 89.360             | 144.860        | 7890.30     | 21454.59          | -18104.76     | 11548.65     | 1769932.91           | 416679.66             | 39°38'28.1562"N | 80°19'1.0858"W  | 21474.49             | 147.467            | 0.19             | 0.00                    | -0.19                  |
| 29158.00   | 89.730             | 145.000        | 7891.05     | 21548.58          | -18181.69     | 11602.66     | 1769986.92           | 416602.74             | 39°38'27.4007"N | 80°19'0.3865"W  | 21568.40             | 147.456            | 0.42             | 0.39                    | 0.15                   |
| 29253.00   | 89.940             | 144.490        | 7891.32     | 21643.58          | -18259.27     | 11657.49     | 1770041.75           | 416525.17             | 39°38'26.6390"N | 80°18'59.6766"W | 21663.29             | 147.444            | 0.58             | 0.22                    | -0.54                  |
| 29337.00   | 90.010             | 144.840        | 7891.45     | 21927.58          | -18490.95     | 11821.75     | 1770205.99           | 416293.50             | 39°38'24.3641"N | 80°18'57.5502"W | 21946.96             | 147.408            | 0.13             | 0.02                    | 0.12                   |
| 29632.00   | 90.250             | 145.110        | 7891.23     | 22022.58          | -18568.75     | 11876.27     | 1770260.51           | 416215.71             | 39°38'23.6002"N | 80°18'56.8442"W | 22041.87             | 147.398            | 0.38             | 0.25                    | 0.28                   |
| 29727.00   | 90.220             | 144.710        | 7890.84     | 22117.58          | -18646.48     | 11930.88     | 1770315.12           | 416137.98             | 39°38'22.8369"N | 80°18'56.1372"W | 22136.78             | 147.387            | 0.42             | -0.03                   | -0.42                  |
| 29821.00   | 90.310             | 144.780        | 7890.41     | 22211.57          | -18723.24     | 11985.14     | 1770369.37           | 416061.23             | 39°38'22.0831"N | 80°18'55.4348"W | 22230.68             | 147.376            | 0.12             | 0.10                    | 0.07                   |
| 29916.00   | 90.560             | 144.770        | 7889.68     | 22306.57          | -18800.84     | 12039.93     | 1770424.16           | 415983.63             | 39°38'21.3211"N | 80°18'54.7254"W | 22325.58             | 147.365            | 0.26             | 0.26                    | -0.01                  |
| 30011.00   | 90.590             | 144.920        | 7888.73     | 22401.56          | -18878.51     | 12094.63     | 1770478.86           | 415905.96             | 39°38'20.5585"N | 80°18'54.0173"W | 22420.49             | 147.354            | 0.16             | 0.03                    | 0.16                   |
| 30105.00   | 90.130             | 144.820        | 7888.14     | 22495.56          | -18955.39     | 12148.72     | 1770532.94           | 415829.09             | 39°38'19.8036"N | 80°18'53.3170"W | 22514.40             | 147.344            | 0.50             | -0.49                   | -0.11                  |
| 30200.00   | 90.160             | 144.980        | 7887.90     | 22590.56          | -19033.11     | 12203.34     | 1770587.56           | 415751.37             | 39°38'19.0403"N | 80°18'52.6098"W | 22609.31             | 147.333            | 0.17             | 0.03                    | 0.17                   |
| 30295.00   | 90.130             | 144.800        | 7887.66     | 22685.56          | -19110.82     | 12257.98     | 1770642.20           | 415673.66             | 39°38'18.2772"N | 80°18'51.9024"W | 22704.22             | 147.323            | 0.19             | -0.03                   | -0.19                  |
| 30388.00   | 90.070             | 144.620        | 7887.50     | 22778.56          | -19186.73     | 12311.71     | 1770695.92           | 415597.76             | 39°38'17.5318"N | 80°18'51.2069"W | 22797.13             | 147.313            | 0.20             | -0.06                   | -0.19                  |
| 30482.00   | 90.100             | 144.760        | 7887.36     | 22872.56          | -19263.44     | 12366.04     | 1770750.25           | 415521.06             | 39°38'16.7786"N | 80°18'50.5036"W | 22891.03             | 147.302            | 0.15             | 0.03                    | 0.15                   |
| 30576.00   | 90.160             | 144.950        | 7887.14     | 22966.56          | -19340.30     | 12420.15     | 1770804.36           | 415444.20             | 39°38'16.0238"N | 80°18'49.8030"W | 22984.94             | 147.292            | 0.21             | 0.06                    | 0.20                   |
| 30765.00   | 89.970             | 144.570        | 7886.93     | 23155.56          | -19494.67     | 12529.21     | 1770913.41           | 415289.84             | 39°38'14.5081"N | 80°18'48.3913"W | 23173.76             | 147.271            | 0.22             | -0.10                   | -0.20                  |
| 30860.00   | 90.040             | 144.750        | 7886.92     | 23250.55          | -19572.16     | 12584.16     | 1770968.35           | 415212.35             | 39°38'13.7471"N | 80°18'47.6800"W | 23268.66             | 147.261            | 0.20             | 0.07                    | 0.19                   |



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UVI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## WELLPATH DATA (338 stations) † = interpolated, ‡ = extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Closure Dist<br>[ft] | Closure Dir<br>[°] | DLS<br>[°/100ft] | Build Rate<br>[°/100ft] | Turn Rate<br>[°/100ft] |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|----------------------|--------------------|------------------|-------------------------|------------------------|
| 31049.00   | 90.280             | 144.780        | 7886.39     | 23439.55          | -19726.54     | 12693.20     | 1771077.39           | 415057.99             | 39°38'12.2313"N | 80°18'46.2685"W | 23457.48             | 147.240            | 0.13             | 0.13                    | 0.02                   |
| 31144.00   | 90.310             | 144.780        | 7885.90     | 23534.55          | -19804.14     | 12747.98     | 1771132.17           | 414980.39             | 39°38'11.4692"N | 80°18'45.5592"W | 23552.39             | 147.231            | 0.03             | 0.03                    | 0.00                   |
| 31238.00   | 90.310             | 144.640        | 7885.40     | 23628.55          | -19880.87     | 12802.29     | 1771186.47           | 414903.66             | 39°38'10.7158"N | 80°18'44.8563"W | 23646.30             | 147.220            | 0.15             | 0.00                    | -0.15                  |
| 31427.00   | 90.340             | 144.820        | 7884.32     | 23817.54          | -20035.17     | 12911.42     | 1771295.60           | 414749.37             | 39°38'9.2006"N  | 80°18'43.4436"W | 23835.12             | 147.201            | 0.10             | 0.02                    | 0.10                   |
| 31522.00   | 90.280             | 144.680        | 7883.81     | 23912.54          | -20112.75     | 12966.25     | 1771350.42           | 414671.79             | 39°38'8.4388"N  | 80°18'42.7339"W | 23930.03             | 147.191            | 0.16             | -0.06                   | -0.15                  |
| 31616.00   | 90.310             | 145.650        | 7883.33     | 24006.54          | -20189.91     | 13019.94     | 1771404.11           | 414594.65             | 39°38'7.6811"N  | 80°18'42.0387"W | 24023.97             | 147.183            | 1.03             | 0.03                    | 1.03                   |
| 31710.00   | 90.310             | 144.680        | 7882.82     | 24100.53          | -20267.06     | 13073.63     | 1771457.80           | 414517.50             | 39°38'6.9234"N  | 80°18'41.3436"W | 24117.91             | 147.175            | 1.03             | 0.00                    | -1.03                  |
| 31809.00†  | 90.310             | 144.680        | 7882.28     | 24199.53          | -20347.84     | 13130.87     | 1771515.03           | 414436.73             | 39°38'6.1302"N  | 80°18'40.6027"W | 24216.82             | 147.165            | 0.00             | 0.00                    | 0.00                   |

## HOLE & CASING SECTIONS - Ref Wellbore: WDTN-18H-HSM AWB Ref Wellpath: WDTN-18H-HSM AWP Proj: 31809'

| String/Diameter             | Start MD<br>[ft] | End MD<br>[ft] | Interval<br>[ft] | Start TVD<br>[ft] | End TVD<br>[ft] | Start N/S<br>[ft] | Start E/W<br>[ft] | End N/S<br>[ft] | End E/W<br>[ft] |
|-----------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 24in Open Hole              | 28.00            | 68.00          | 40.00            | 28.00             | 68.00           | 0.00              | 0.00              | 0.06            | 0.02            |
| 20in Conductor              | 28.00            | 68.00          | 40.00            | 28.00             | 68.00           | 0.00              | 0.00              | 0.06            | 0.02            |
| 17 1/2in Open Hole          | 68.00            | 1126.00        | 1058.00          | 68.00             | 1125.99         | 0.06              | 0.02              | 1.81            | 0.22            |
| 13 3/8in Casing Surface     | 28.00            | 1126.00        | 1098.00          | 28.00             | 1125.99         | 0.00              | 0.00              | 1.81            | 0.22            |
| 12 1/4in Open Hole          | 1126.00          | 2772.00        | 1646.00          | 1125.99           | 2771.69         | 1.81              | 0.22              | 21.55           | -15.01          |
| 9 5/8in Casing Intermediate | 28.00            | 2772.00        | 2744.00          | 28.00             | 2771.69         | 0.00              | 0.00              | 21.55           | -15.01          |
| 8 3/4in Open Hole           | 2772.00          | 6293.50        | 3521.50          | 2771.69           | 6234.44         | 21.55             | -15.01            | -310.95         | -332.60         |
| 8 1/2in Open Hole           | 6293.50          | 31809.00       | 25515.50         | 6234.44           | 7882.28         | -310.95           | -332.60           | -20347.84       | 13130.87        |
| 5 1/2in Casing Production   | 28.00            | 31809.00       | 31781.00         | 28.00             | 7882.28         | 0.00              | 0.00              | -20347.84       | 13130.87        |

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## TARGETS



# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UVI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## TARGETS

| Name                            | TVD<br>[ft]                            | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude        | Longitude       | Shape   |
|---------------------------------|----------------------------------------|---------------|--------------|----------------------|-----------------------|-----------------|-----------------|---------|
| WDTN-18 South Lease Rev-2       | 8500.00                                | -12832.28     | 12254.23     | 1770638.44           | 421951.83             | 39°39'20.3259"N | 80°18'52.6782"W | polygon |
|                                 | 2D Polygon:: dimensions not calculated |               |              |                      |                       |                 |                 |         |
| WDTN-18H-HSU BHL Rev-1          | 13332.00                               | -4623.89      | 4050.19      | 1762434.90           | 430159.72             | 39°40'40.6981"N | 80°20'38.5507"W | point   |
| WDTN-18H-HSU LP Plat            | 13332.00                               | -855.61       | 281.91       | 1758666.85           | 433927.77             | 39°41'17.5858"N | 80°21'27.2027"W | point   |
| WDTN-18H-HSU LP Rev-1           | 13332.00                               | -790.97       | 346.56       | 1758731.50           | 433992.41             | 39°41'18.2307"N | 80°21'26.3836"W | point   |
| WDTN-18 Utica North Lease Rev-1 | 13810.00                               | -413.91       | -30.59       | 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                               | -413.91       | -30.59       | 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-18H-HSM AWB Ref Wellpath: WDTN-18H-HSM AWP Proj: 31809'

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model                          | Log Name/Comment                                                       | Wellbore         | Survey Date |
|------------------|----------------|-------------------------------------------------------|------------------------------------------------------------------------|------------------|-------------|
| 28.00            | 1051.50        | BH Generic gyro - continuous (Standard)               | 01 Gyro <17-1/2"> (100'-1037')                                         | WDTN-18H-HSM AWB | 2026-01-02  |
| 1051.50          | 2728.50        | OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction | 02 SDI MWD+SuperiorQC IFR1+Sag+FDIR <12-1/4"> (1037')(1174'-2714')     | WDTN-18H-HSM AWB | 2026-01-02  |
| 2728.50          | 6212.50        | OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction | 03 SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2714')(2781'-6198')      | WDTN-18H-HSM AWB | 2026-01-02  |
| 6212.50          | 31809.00       | OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction | 04 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6212.5')(6359'-31710') | WDTN-18H-HSM AWB | 2026-01-15  |

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# Actual Wellpath Report

WDTN-18H-HSM AWP Proj: 31809'

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## REFERENCE WELLPATH IDENTIFICATION

|          |                 |          |                   |
|----------|-----------------|----------|-------------------|
| Operator | CNX GAS CO, LLC | Well     | WDTN-18H-HSM      |
| Field    | Monongalia      | UWI      | 47-061-02001-0000 |
| Facility | WDTN-18 Pad     | Wellbore | WDTN-18H-HSM AWB  |
| Slot     | Slot H          |          |                   |

## COMMENTS

### Wellpath general comments

API: 47-061-02001-0000

BH Job #: 112938802

Rig: Precision 575

Duration: 1/19/2026-1/24/2026

Gyro <17-1/2"> (100'-1037')

SDI MWD+SuperiorQC IFR1+Sag+FDIR <12-1/4"> (1037')(1174'-2714')

SDI MWD+SuperiorQC IFR1+Sag+FDIR <8-3/4"> (2714')(2781'-6198')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6212.5')(6359'-31710')

Projected MD at TD: 31809'