

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-061-01872 County MONONGALIA District BATTELLE  
Quad WADESTOWN Pad Name WDTN5 Field/Pool Name \_\_\_\_\_  
Farm name WISE Well Number WDTN5XHSM  
Operator (as registered with the OOG) CNX GAS COMPANY LLC  
Address 1000 HORIZON VUE DRIVE City CANONSBURG State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4395418.580 Easting 556817.432  
Landing Point of Curve Northing 4395528.391 Easting 557353.192  
Bottom Hole Northing 4396998.818 Easting 556283.559

Elevation (ft) 1,390' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine

Mud Type(s) and Additive(s)  
SYNTHETIC BASED FLUID

ADDITIVES: ABS MUL (EMULSIFIER), CALCIUM CHLORIDE, FLR PLUS (GILSONITE), CLAYTONE EM (SUSPENSION AGENT), AES WA II (WETTING AGENT), LIME

Date permit issued 04.19.2021 Date drilling commenced 05.07.2022 (spud) Date drilling ceased 07.26.2022  
Date completion activities began 11.22.2022 Date completion activities ceased 12.04.2022  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

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Freshwater depth(s) ft Shallowest: 125' Deepest: 1070' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2115', 2565' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 709'-712', 970'-976', 1058'-1062', 1063'-1070' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:  
*[Signature]*  
2/03/17/2023

**APPROVED**

API 47-061 - 01872 Farm name WISE Well number WDTN5XHSM

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	30"	20"	100'	NEW	94lb/ft	N/A	GROUT TO SURFACE
Surface	17.5"	13.375"	1,328'	NEW	J-55 54.5lb/ft	N/A	Y - CEMENT TO SURFACE
Coal							
Intermediate 1	12.25"	9.625"	2,975'	NEW	J-55 36lb/ft	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production	8.75" & 8.5"	5.5"	14,879	NEW	P-110 20lb/ft	N/A	Y - TOC @ 1,287'
Tubing							
Packer type and depth set		N/A					

Comment Details ALL DEPTHS ARE REFERENCED GLE = -28' KB

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	HALCEM	1,000	15.8	1.17	1,170	Surface	8
Coal							
Intermediate 1	HALCEM	960	15.8	1.15	1,104	Surface	8
Intermediate 2							
Intermediate 3							
Production	NEOCEM / NEOCEM	1,385 (LEAD) / 1,740 (TAIL)	15.0 / 15.0	1.13 (LEAD) / 1.12 (TAIL)	1,565 (LEAD) / 1,949 (TAIL)	1,287'	8
Tubing							

Drillers TD (ft) 14,927' Loggers TD (ft) 14,927'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 7,584' (MD) 7,136' (TVD)

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

SURFACE: Centralize every 3rd joint from shoe to surface  
INTERMEDIATE: Centralize every other joint from shoe to surface  
PRODUCTION: Centralize every joint from shoe to TOC

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS Plug and perforation

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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_





ATTACHMENT 1: WDTN5XHSM 47-061-01872

Well Name	Perf Stage Numer	Date	Top Depth	Bottom Depth	Perfs Open	Reservoir Zone
WDTN5XHSM	31	12/4/2022	8,791.46	8,952.66	40	Marcellus Shale
WDTN5XHSM	30	12/4/2022	8,990.46	9,151.66	40	Marcellus Shale
WDTN5XHSM	29	12/3/2022	9,189.46	9,350.66	40	Marcellus Shale
WDTN5XHSM	28	12/3/2022	9,388.36	9,548.76	40	Marcellus Shale
WDTN5XHSM	27	12/2/2022	9,586.36	9,746.76	40	Marcellus Shale
WDTN5XHSM	26	12/2/2022	9,784.36	9,944.76	40	Marcellus Shale
WDTN5XHSM	25	12/2/2022	9,982.36	10,142.80	40	Marcellus Shale
WDTN5XHSM	24	12/1/2022	10,180.36	10,340.80	40	Marcellus Shale
WDTN5XHSM	23	12/1/2022	10,378.36	10,538.80	40	Marcellus Shale
WDTN5XHSM	22	11/30/2022	10,576.36	10,736.80	40	Marcellus Shale
WDTN5XHSM	21	11/30/2022	10,774.36	10,934.80	40	Marcellus Shale
WDTN5XHSM	20	11/30/2022	10,972.36	11,132.80	40	Marcellus Shale
WDTN5XHSM	19	11/29/2022	11,170.36	11,330.80	40	Marcellus Shale
WDTN5XHSM	18	11/29/2022	11,368.36	11,528.80	40	Marcellus Shale
WDTN5XHSM	17	11/28/2022	11,566.36	11,726.80	40	Marcellus Shale
WDTN5XHSM	16	11/28/2022	11,764.36	11,924.80	40	Marcellus Shale
WDTN5XHSM	15	11/27/2022	11,962.36	12,122.80	40	Marcellus Shale
WDTN5XHSM	14	11/27/2022	12,160.36	12,320.80	40	Marcellus Shale
WDTN5XHSM	13	11/26/2022	12,358.36	12,518.80	40	Marcellus Shale
WDTN5XHSM	12	11/26/2022	12,556.36	12,716.80	40	Marcellus Shale
WDTN5XHSM	11	11/26/2022	12,754.36	12,914.80	40	Marcellus Shale
WDTN5XHSM	10	11/25/2022	12,952.36	13,112.80	40	Marcellus Shale
WDTN5XHSM	9	11/25/2022	13,150.36	13,310.80	40	Marcellus Shale
WDTN5XHSM	8	11/25/2022	13,348.36	13,508.80	40	Marcellus Shale
WDTN5XHSM	7	11/25/2022	13,546.36	13,706.80	40	Marcellus Shale
WDTN5XHSM	6	11/24/2022	13,744.36	13,904.80	40	Marcellus Shale
WDTN5XHSM	5	11/24/2022	13,942.36	14,102.80	40	Marcellus Shale
WDTN5XHSM	4	11/24/2022	14,140.36	14,300.80	40	Marcellus Shale
WDTN5XHSM	3	11/24/2022	14,338.36	14,498.80	40	Marcellus Shale
WDTN5XHSM	2	11/23/2022	14,536.36	14,696.80	40	Marcellus Shale
WDTN5XHSM	1	11/22/2022	14,755.56	14,853.80	24	Marcellus Shale

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ATTACHMENT 2: WDTN5XHSM 47-061-01872

Well Name	Stage #	Start Date	Slurry Rate Avg (bbl/min)	Treat Pressure Avg (psi)	Breakdown Pressure (psi)	Instantaneous Shut-In Pressure (psi)	Proppant Total (lb)	Volume Clean Total (bbl)
WDTN5XHSM	1	11/22/2022	98	9,257.00	8,705.00	5,415.00	485,515.30	8,565.26
WDTN5XHSM	2	11/24/2022	86	9,045.00	7,154.00	5,577.00	479,922.30	8,207.12
WDTN5XHSM	3	11/24/2022	89	8,665.00	6,613.00	6,028.00	479,920.00	7,608.98
WDTN5XHSM	4	11/24/2022	90	9,003.00	6,890.00	5,921.00	476,630.00	7,812.05
WDTN5XHSM	5	11/24/2022	87	8,891.00	6,526.00	5,948.00	489,704.40	7,924.05
WDTN5XHSM	6	11/25/2022	89	9,014.00	6,343.00	6,150.00	492,618.10	7,723.74
WDTN5XHSM	7	11/25/2022	90	8,729.00	7,189.00	5,970.00	480,460.00	9,441.05
WDTN5XHSM	8	11/25/2022	91	8,810.00	6,869.00	5,943.00	478,560.00	7,680.05
WDTN5XHSM	9	11/25/2022	87	8,784.00	6,865.00	6,029.00	481,354.00	7,740.43
WDTN5XHSM	10	11/26/2022	88	8,821.00	7,018.00	5,877.00	443,012.90	7,511.43
WDTN5XHSM	11	11/26/2022	91	8,925.00	6,690.00	5,909.00	453,580.00	7,460.05
WDTN5XHSM	12	11/26/2022	88	8,696.00	7,105.00	6,001.00	482,305.60	7,767.67
WDTN5XHSM	13	11/27/2022	88	8,700.00	6,860.00	5,937.00	467,787.80	7,608.48
WDTN5XHSM	14	11/27/2022	90	8,317.00	7,394.00	5,866.00	476,840.00	7,625.00
WDTN5XHSM	15	11/28/2022	89	8,676.00	6,795.00	5,873.00	469,471.30	8,223.43
WDTN5XHSM	16	11/28/2022	90	8,390.00	7,028.00	6,065.00	480,560.00	8,614.02
WDTN5XHSM	17	11/28/2022	89	8,492.00	6,750.00	6,098.00	464,894.20	7,835.36
WDTN5XHSM	18	11/29/2022	91	8,432.00	6,817.00	5,967.00	480,740.00	7,470.05
WDTN5XHSM	19	11/29/2022	89	8,774.00	7,650.00	6,222.00	477,775.20	7,896.05
WDTN5XHSM	20	11/30/2022	90	8,861.00	7,368.00	6,096.00	488,828.60	7,839.02
WDTN5XHSM	21	11/30/2022	89	8,898.00	7,521.00	6,370.00	486,087.20	7,744.62
WDTN5XHSM	22	12/1/2022	90	8,488.00	6,672.00	0.00	462,123.30	7,230.98
WDTN5XHSM	23	12/1/2022	89	8,490.00	6,607.00	6,081.00	472,536.50	8,063.98
WDTN5XHSM	24	12/2/2022	88	8,229.00	7,207.00	6,875.00	458,862.00	7,852.93
WDTN5XHSM	25	12/2/2022	89	8,029.00	7,045.00	5,955.00	489,359.20	8,106.05
WDTN5XHSM	26	12/2/2022	91	8,465.00	7,159.00	5,746.00	495,379.00	8,027.00
WDTN5XHSM	27	12/3/2022	90	8,432.00	6,971.00	5,994.00	484,518.50	8,633.98
WDTN5XHSM	28	12/3/2022	90	8,508.00	6,939.00	5,901.00	494,583.50	8,150.95
WDTN5XHSM	29	12/4/2022	90	7,929.00	6,977.00	6,004.00	394,520.00	7,212.98
WDTN5XHSM	30	12/4/2022	101	8,604.00	6,859.00	6,179.00	485,994.40	8,014.05
WDTN5XHSM	31	12/4/2022	103	8,552.00	7,522.00	4,958.00	481,740.00	7,976.02

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## LITHOLOGIES

All depths referenced to GL

LITHOLOGY / FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT NAME TVD	TOP DEPTH IN FT NAME MD	BOTTOM DEPTH IN FT NAME MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC)
UNDIFFERENTIATED SAND	0	411	0	411	SANDSTONE / SILTSTONE / TRACES OF LIMESTONE
UNDIFFERENTIATED LIMESTONE	411	441	411	441	LIMESTONE / SANDSTONE
UNDIFFERENTIATED SAND	441	481	441	481	SANDSTONE / LIMESTONE
UNDIFFERENTIATED SILT	481	801	481	801	SILTSTONE / LIMESTONE / TRACES SANDSTONE & RED SHALE
WAYNESBURG	801	803	801	803	COAL / SILTSTONE / SANDSTONE
UNDIFFERENTIATED SILT	803	821	803	821	SILTSTONE / SANDSTONE
UNDIFFERENTIATED SAND	821	921	821	921	SANDSTONE
UNDIFFERENTIATED SILT	921	971	921	971	SILTSTONE / LIMESTONE
UNIDFFER. LIMESTONE / SILT	971	1,141	971	1,141	LIMESTONE / SILTSTONE
PITTSBURGH COAL	1,141	1,151	1,141	1,151	COAL / LIMESTONE / SILTSTONE
UNDIFFERENTIATED LIMESTONE	1,151	1,201	1,151	1,201	LIMESTONE / SILTSTONE
UNDIFFERENTIATED SILT	1,201	1,371	1,201	1,371	SILTSTONE / LIMESTONE / RED SHALE
UNDIFFERENTIATED SILT	1,371	1,701	1,371	1,701	SILTSTONE / SANDSTONE
UPPER FREEPORT	1,701	1,711	1,701	1,711	SANDSTONE
UNDIFFERENTIATED SAND	1,711	1,781	1,711	1,781	SANDSTONE
LOWER FREEPORT	1,781	1,791	1,781	1,791	SANDSTONE / SILTSTONE / TRACES OF COAL
UNDIFFERENTIATED SAND	1,791	1,883	1,791	1,883	SANDSTONE / SILTSTONE / TRACES OF COAL
MIDDLE KITTANING	1,883	1,889	1,883	1,889	SANDSTONE / SILTSTONE / TRACES OF COAL
UNDIFFERENTIATED SAND	1,889	2,071	1,889	2,071	SANDSTONE / SILTSTONE / TRACES OF COAL
UNDIFFERENTIATED SILT	2,071	2,251	2,071	2,251	SILTSTONE / TRACES OF COAL
UNDIFFERENTIATED SAND	2,251	2,271	2,251	2,271	SANDSTONE
UNDIFFERENTIATED SILT	2,271	2,311	2,271	2,311	SILTSTONE
UNDIFFERENTIATED SHALE	2,311	2,351	2,311	2,351	RED SHALE
UNDIFFERENTIATED SILT	2,351	2,391	2,351	2,391	SILTSTONE / RED SHALE
BIG LIME	2,391	2,451	2,391	2,451	LIMESTONE / SILTSTONE
KEENER	2,451	2,481	2,451	2,481	SANDSTONE / SILTSTONE
BIG INJUN	2,481	2,661	2,481	2,661	SANDSTONE
BIG INJUN BASE	2,661	3,051	2,661	3,051	SILTSTONE
50 FOOT	3,051	3,111	3,051	3,111	SILTSTONE
GORDON	3,111	3,276	3,111	3,276	SANDSTONE / SILTSTONE
FIFTH	3,276	3,323	3,276	3,323	SILTSTONE
BAYARD	3,323	5,261	3,323	5,261	SILTSTONE / TRACES RED & GREY SHALES
ELK	5,261	7,413	5,261	7,704	SILTSTONE / GREY SHALE
RHIESTREET	7,413	7,649	7,704	7,971	GREY SHALE
CASHAQUA	7,649	7,760	7,971	8,271	GREY SHALE
BURKET	7,760	7,788	8,271	8,312	GREY SHALE
TULLY	7,788	7,823	8,312	8,363	LIMESTONE / GRAY SHALE
HAMILTON	7,823	7,947	8,363	8,613	GREY SHALE
MARCELLUS	7,947	7,977	8,613	8,727	BLACK SHALE
CHERRY VALLEY	7,977	7,981	8,727	8,748	BLACK SHALE
TD (MARCELLUS)				14,870	

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/22/2022
Job End Date:	12/4/2022
State:	West Virginia
County:	Monongalia
API Number:	47-061-01872-00-00
Operator Name:	CNX Gas Company LLC
Well Name and Number:	WDTN5XHSM
Latitude:	39.70673600
Longitude:	-80.33720600
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,136
Total Base Water Volume (gal):	10,213,770
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	CNX	Carrier/Base Fluid	Water	7732-18-5	100.0000	85.08756	None
Sand	US Silica	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	14.68582	None
HCL Acid (28%)	CHEMSTREAM	Acidizing	Hydrochloric Acid	7647-01-0	28.00000	0.03376	None
StimSTREAM 9800	CHEMSTREAM	Friction Reducer	Butene, homopolymer	9003-29-6	25.00000	0.01284	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01284	None
			Ethoxylated alcohols	68213-23-0	3.00000	0.00154	None
CoilSTREAM VB 628	CHEMSTREAM	Gelling Agent	Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00799	None
			Guar Gum	9000-30-0	50.00000	0.00666	None
			Trade Secret	9043-30-5	5.00000	0.00067	None
			Trade Secret	1338-43-8	3.00000	0.00040	None
			Trade Secret	14808-60-7	3.00000	0.00040	None
Clearstream 268	CHEMSTREAM	Biocide					

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			Glutaraldehyde	111-30-8	20.00000	0.00218	None
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00033	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00033	None
StimStream SC 398	CHEMSTREAM	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00000	0.00134	None
Ammonium Persulfate	CHEMSTREAM	Breaker					
			Ammonium Persulfate	7727-54-0	100.00000	0.00109	None
ACI-250	CHEMSTREAM	Acid corrosion inhibitor					
			Methanol	67-56-1	45.00000	0.00025	None
			Ethylene glycol	107-21-1	20.00000	0.00011	None
			Trade Secret	72480-70-7	15.00000	0.00008	None
			N,N-Dimethylformamide	68-12-2	10.00000	0.00005	None
			2-Butoxyethanol	111-76-2	5.00000	0.00003	None
Citric Acid 50%	CHEMSTREAM	Iron Control Agent					
			citric acid	77-92-9	50.50000	0.00038	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Butene, homopolymer	9003-29-6	25.00000	0.01284	
			Guar Gum	9000-30-0	50.00000	0.00666	
			Ethoxylated alcohols	68213-23-0	3.00000	0.00154	
			Trade Secret	9043-30-5	5.00000	0.00067	
			Trade Secret	14808-60-7	3.00000	0.00040	
			Trade Secret	1338-43-8	3.00000	0.00040	
			Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00033	
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00033	
			Ethylene glycol	107-21-1	20.00000	0.00011	
			Trade Secret	72480-70-7	15.00000	0.00008	
			N,N-Dimethylformamide	68-12-2	10.00000	0.00005	
			2-Butoxyethanol	111-76-2	5.00000	0.00003	
			CHEMSTREAM-OXIDIZER-10001	Trade Secret	3.00000		
			CHEMSTREAM-SURFACTANT-10002	Trade Secret	0.90000		

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: January 21, 2021, Revised: September 14, 2022

OPERATOR'S WELL #: WDTN5XHSM

API WELL # 47 061 01972  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 8,035' TMD: 15,011'  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: ANTHONY KENDZIORA  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

LINE TABLE		
LINE #	BEARING	DISTANCE
R1	S16°13'39"W	879.86'
R2	N53°33'04"E	272.79'
R3	S71°43'23"E	330.99'
R4	N30°18'23"W	188.25'
R5	N53°33'04"E	272.79'

SHL is located on topo map 581 feet south of Latitude: 39° 42' 30" SHL  
 BHL is located on topo map 10,525 feet south of Latitude: 39° 45' 00" SHL

SHL is located on topo map 1,088 feet west of Longitude: 80° 20' 00"  
 BHL is located on topo map 2,712 feet west of Longitude: 80° 20' 00"

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395418.580  
 E: 556817.432  
 NAD27, WV NORTH  
 N: 440589.647  
 E: 1764399.381  
 LAT/LON - NAD83  
 LAT: 39°42'24.250"  
 LON: 80°20'13.941"

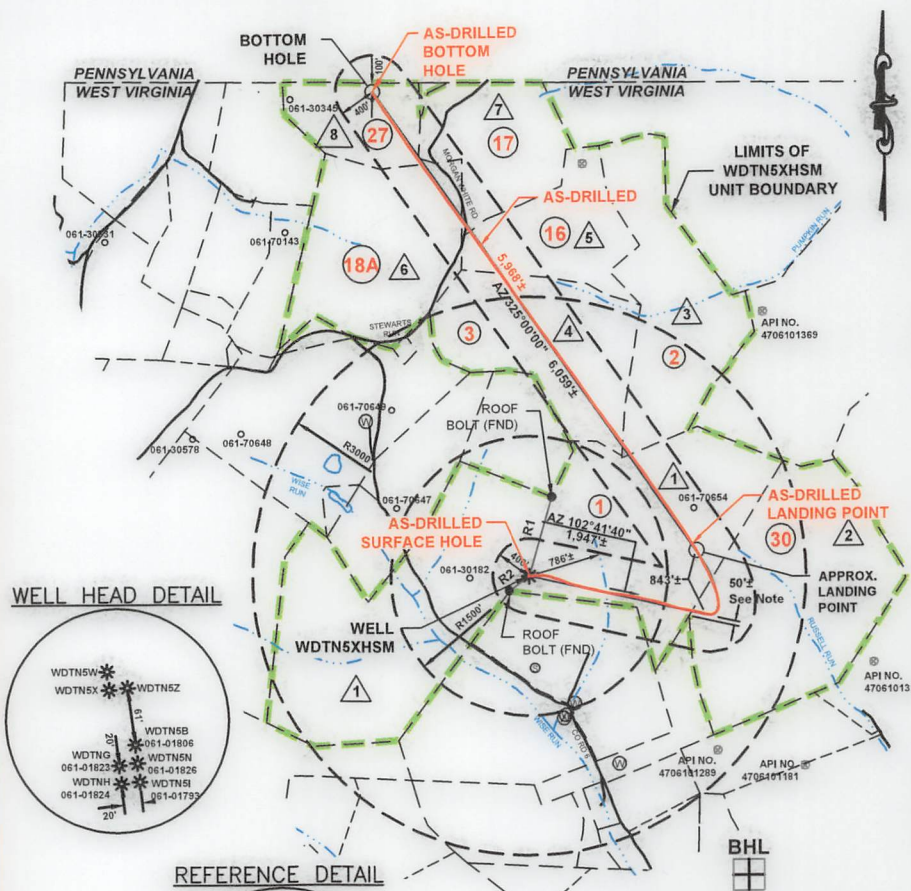
**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395418.580  
 E: 556817.432  
 NAD27, WV NORTH  
 N: 440589.647  
 E: 1764399.381  
 LAT/LON - NAD83  
 LAT: 39°42'24.250"  
 LON: 80°20'13.941"

**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395505.054  
 E: 557368.125  
 NAD27, WV NORTH  
 N: 440843.238  
 E: 1766211.141  
 LAT/LON - NAD83  
 LAT: 39°42'26.922"  
 LON: 80°19'50.789"

**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395528.391  
 E: 557353.192  
 NAD27, WV NORTH  
 N: 440920.634  
 E: 1766163.417  
 LAT/LON - NAD83  
 LAT: 39°42'27.683"  
 LON: 80°19'51.409"

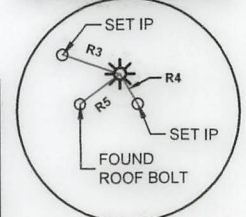
**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396999.396  
 E: 556284.192  
 NAD27, WV NORTH  
 N: 445806.094  
 E: 1762736.112  
 LAT/LON - NAD83  
 LAT: 39°43'15.651"  
 LON: 80°20'35.847"

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396998.818  
 E: 556283.559  
 NAD27, WV NORTH  
 N: 445804.233  
 E: 1762734.004  
 LAT/LON - NAD83  
 LAT: 39°43'15.632"  
 LON: 80°20'35.874"



**LEGEND**

	TOPO MAP POINT		ALL ARE POINTS UNLESS OTHERWISE NOTED
	PROPOSED WELL		LEASE BOUNDARY
	WATER SOURCE		PROPOSED HORIZONTAL WELL
	SPRING		SURFACE, OIL & GAS LINES
	SURFACE TRACT		SURFACE TRACT LINES ONLY
	LEASED NUMBER BASED ON ATTACHED WDTN5X		GAS LEASE LINES ONLY
	WELLS WITHIN 3000'		WELL REFERENCE
	RECORD GAS WELL		STREAM/WATERWAY
	UNKNOWN WELL		ROAD
			FORCED POOLING AREAS
			AS-DRILLED HORIZONTAL WELL



**AS-DRILLED PLAT**  
 Sheffler & Company, Inc.  
 ENGINEERING • SURVEYING  
 1712 Mount Nebo Road Phone: 412-219-4509  
 Sewickley, PA 15143 Email: Info@shefflerCo.com

- NOTES:**
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: WDTN5XHSM  
 DRAWING #: 3601 - WDTN5X - AD.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE USGS MONUMENT  
 OF ELEVATION: JX1864: 1,496.32'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

SIGNED:

R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: January 21, 2021, Revised: September 14, 2022  
 OPERATOR'S WELL #: WDTN5XHSM  
 API WELL # 47 061 01972  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1390'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

03/17/2023

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 8,035' TMD: 15,011'  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: ANTHONY KENDZIORA  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

**SURFACE TRACT OWNERS & TAX PARCEL**

- 1. DINA M WISE ET AL TM# 1-8-2
- 2. CNX MIDSTREAM DEVCO III LP TM# 1-8-17
- 3. JAMES EDWARD TAYLOR & EARL LYNN TM# 1-3-8
- 4. JAMES EDWARD TAYLOR & EARL LYNN TM# 1-3-4
- 5. THOMAS ROSE TM# 1-3-5
- 6. CNX LAND LLC TM# 1-3-2
- 7. THOMAS ROSE TM# 1-3-6
- 8. CNX LAND LLC & CLARK DONLEY STILES TM# 1-3-1

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard L. McCauley Judy A. Eckman Thomas E. McCauley Regina Wise Myers, aka Violet Regina Myers EvaLee A. Everly Shaheen Zelda Ruth Brummage Dexter Murle Stewart Waller C. Ord James Freeman Stewart Clifford J. Wise Victor E. Wise, a single man Jesse D. Jones, a married man Phyllis J. Petrosky, a widowed woman Annette E. Stewart, single Harold M. Jones, Jr., a single man Robert Stewart Richard W. Wise Walter R. Currence Donald D. Wise, aka Donald G. Wise Maureen S. Currence Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen Michelle L. Currence Justin P. Stewart, single Debra Goff Eleanor J. Wise, single Donald E. Nunley and Deborah L. Nunley Fred C. Wise and Alice F. Wise Patricia J. Mumaw and Richard L. Mumaw Richard A. Nunley and Diana K. Nunley Mary Nunley Steplton and Donald Steplton Linda Stapp Melissa A. Bookout Jane Irons, widow Eileen Ann Lyle Robert Eugene Michael, Sr. Frank Dennis Michael, Jr. Evelyn June Michael Tonya Chersin Boyd Hawkins Becky L. Hawkins f/k/a Becky Bortnick Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	Dina M Wise et al
2	1-3-8	James Edward Taylor & Susan L. Taylor, h/w Earl Lynn Taylor	James Edward Taylor & Earl Lynn
3	1-3-4	James Edward Taylor & Susan L. Taylor, h/w Earl Lynn Taylor Harland Thomas David E. Thomas Marylou Dixon	James Edward Taylor & Earl Lynn
16	1-3-5	Rose Thomas, aka Rose L. Thomas	Thomas Rose
17	1-3-6	Rose Thomas, aka Rose L. Thomas	Thomas Rose
18A	p/o 1-3-2	David C. White, et ux Bottyann Reed Nancy Emerick Edith B. White Mary Ann Borkowski, et vir Jan W. Ellison, et vir Jane E. McIntyre, et vir Richard H. Benson II Carol Sue Davis Karen Imogene Meyers Edwin Ray White II Anita Susan Talbott Alvy Scott White Robert L. Tate Jr. Frederick C. Tate Robert S. Elliot Lucy Mae Sticklely Timothy J. Tate Alex Tate Jennifer Marie Carrington Marian Rebecca Stone Garrett Patricia Kathleen White Hoekstra Donald Edward Stone Doris Jean White David Ray Stone Victor White Melinda Reid Hatton Dennis Frederick Hatton Jr. Amanda Hatton	CNX Land LLC
27	1-3-1	Merrion Oil and Gas Corporation Hu's Land & Minerals, LLC Clark Donley Stiles	CNX Land LLC & Clark Donley Stiles
30	1-8-17	Amir H. Mohammadi Aliakbar Afshari	CNX Midstream Devco III LP

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
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DATE: January 21, 2021, Revised: September 14, 2022

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 Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5XHSM

API WELL # 47 STATE 061 COUNTY 01872 PERMIT

WATERSHED: DUNKARD CREEK

ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE

QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL.

ACREAGE: 207.36

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