

JUL 13 2023

WR-35  
Rev. 8/23/13

WV Department of  
Environmental Protection

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

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]*

**APPROVED**

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API 47-061 - 01872 Farm name WISE

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	4.778"	2.875"	8,687'	NEW	L80 6.5lb/ft	N/A	N
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

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

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS

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



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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>MARCELLUS</u>	<u>8,045'</u>	<u>TVD</u>	<u>12,810'</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2100 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 9000.03 mcfpd Oil 0 bpd NGL 0 bpd Water 2400.01 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
					(SEE ATTACHED FORMATION LOG)

Please insert additional pages as applicable.

Drilling Contractor PATTERSON-UTI DRILLING COMPANY  
Address 100 GALAWAY DRIVE City EIGHTY FOUR State PA Zip 15330

Logging Company SCHLUMBERGER  
Address 3600 BRIARPARK DRIVE City HOUSTON State TX Zip 77042

Cementing Company HALLIBURTON  
Address 1000 NOBLE ENERGY DRIVE, SUITE 400 City CANONSBURG State PA Zip 15317

Stimulating Company EVOLUTION WELL SERVICES  
Address 1780 HUGHES LANDING BLVD., SUITE 125 City HE WOODLANDS State TX Zip 77380

Please insert additional pages as applicable.

Completed by Anthony Kendziora Telephone 412-735-5705  
Signature [Signature] Title Manager Operations South Date 05.07.2023

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

02/23/2024



CNX Gas Company  
CONSOL Gas Company  
1027 Little Indian Creek Road  
Morgantown, WV 26501

July 11, 2023

RECEIVED  
Office of Oil and Gas

JUL 13 2023

WV Department of  
Environmental Protection

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304-2345

To Whom It May Concern:

Enclosed are amended records for the following horizontal wells following a recent tubing install operation.

WDTN5N; API is 47-061-01826  
WDTN5W; API is 47-061-01871  
WDTN5X; API is 47-061-01872  
WDTN5Z; API is 47-061-01873

If you should have any questions, please do not hesitate to call Anthony Kendziora at 412-735-5705.

Sincerely,

Austin Kerr  
Operations Analyst

02/23/2024