

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 47-061-01873 County MONONGALIA District BATTELLE
Quad WADESTOWN Pad Name WDTN5 Field/Pool Name _____
Farm name WISE Well Number WDTN5ZHSM
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 4395419.371 Easting 556823.472
Landing Point of Curve Northing 4395506.832 Easting 557753.767
Bottom Hole Northing 4397001.621 Easting 556658.650

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 08.06.2022
Date completion activities began 11.22.2022 Date completion activities ceased 12.06.2022
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
02/23/2024

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API 47-061 - 01873

Farm name WISE

Well number WDTN5ZHSM

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"	1,320'	NEW	J-55 54.5lb/ft	N/A	Y - CEMENT TO SURFACE
Coal							
Intermediate 1	12.25"	9.625"	2,966'	NEW	J-55 36lb/ft	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production	8.75" & 8.5"	5.5"	15,588'	NEW	P-110 20lb/ft	N/A	Y - TOC @ 953'
Tubing	4.778"	2.875"	9,335.4'	NEW	L80 6.5lb/ft	N/A	N
Packer type and depth set							

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

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	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	EXPANDING / NEOCEM	1,460 (LEAD) / 1,830 (TAIL)	15.0 / 15.0	1.13 (LEAD) / 1.12 (TAIL)	1,650 (LEAD) / 2,050 (TAIL)	953'	8
Tubing							

Drillers TD (ft) 15,610' Loggers TD (ft) 15,610'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 8,072' (MD) 7,066' (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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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMENT #1	1		

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbbls)	Amount of Nitrogen/other (units)
	SEE	ATTACHMENT #1	2					

Please insert additional pages as applicable.

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API 47- 061 - 01873

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Well number WDTN5ZHSM

PRODUCING FORMATION(S)

DEPTHS

MARCELLUS 8,047' TVD 14,494' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2300 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 7617.62 mcfpd Oil 0 bpd NGL 0 bpd Water 2112 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 ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
					(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

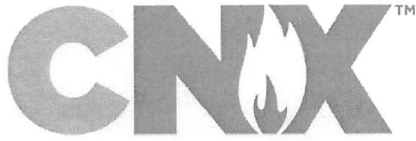
Cementing Company HALLIBURTON
Address 1000 NOBLE ENERGY DRIVE, SUITE 400 City CANONSBURG State PA Zip 15317

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

Please insert additional pages as applicable.

Completed by Anthony Kendziora Telephone 412-735-5705
Signature _____ Title Manager Operations South Date 05.08.2023

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 57th 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