

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

API 47-061-01826 County MONONGALIA District BATTELLE
Quad WADESTOWN Pad Name WDTN5 Field/Pool Name _____
Farm name WISE Well Number WDTN5NHSM
Operator (as registered with the OOG) CNX GAS COMPANY, LLC
Address 1000 CONSOL ENERGY 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 4395394.759 Easting 556827.076
Landing Point of Curve Northing 4394992.982 Easting 556457.333
Bottom Hole Northing 4392275.602 Easting 559406.944

Elevation (ft) 1388 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 1/08/2019 Date drilling commenced 1/09/2019 Date drilling ceased 5/19/2019
Date completion activities began 6/22/2019 Date completion activities ceased 8/31/2019
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 399 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1730, 2479, 2509 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 830, 1170 TRACE: 1810, 1820, 1912, 1918, 2100 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
~~02/23/2024~~

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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	24"	20"	129	NEW	94lb/ft	N/A	GROUT TO SURFACE
Surface	17.5"	13.375"	1347	NEW	J-55 54.5lb/ft	N/A	Y - CEMENT TO SURFACE
Coal							
Intermediate 1	12.25"	9.625"	2935	NEW	J-55 36lb/ft	N/A	Y - CEMENT TO SURFACE
Intermediate 2							
Intermediate 3							
Production	8.75" & 8.5"	5.5"	21873	NEW	P-110 20lb/ft	N/A	Y - TOC @ 793
Tubing	4.778"	2.875"	3501.5'	NEW	L80 6.5 lb/ft	N/A	N
Packer type and depth set							

Comment Details ALL DEPTHS ARE REFERENCED TO RKB = 28' GLE

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (lbs)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	HALCEM	980	15.8	1.169	1146	0	8
Coal							
Intermediate 1	HALCEM	980	15.8	1.147	1101	0	8
Intermediate 2							
Intermediate 3							
Production	NEOCEM	1220 (LEAD) / 3080 (TAIL)	14.5	1.169 (LEAD) / 1.169 (TAIL)	1426 (LEAD) / 3600 (TAIL)	793	8
Tubing							

Drillers TD (ft) ²¹⁸¹⁶
Deepest formation penetrated MARCELLUS
Plug back procedure N/A

Loggers TD (ft) ²¹⁸¹⁶
Plug back to (ft) N/A

Kick off depth (ft) ⁷⁵¹⁸

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 other joint from shoe to surface
INTERMEDIATE: Centralize every 2nd joint from shoe to surface
PRODUCTION: Centralize every joint from shoe to 2,540'

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS

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

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PRODUCING FORMATION(S): DEPTHS
MARCELLUS 8,004 TVD 8,605 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1787 psi Bottom Hole psi DURATION OF TEST hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
8989.70 mcfpd 0 bpd 0 bpd 1440 bpd Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
UNDIFFERENTIATED SAND	0	440	0	440	SANDSTONE / SILTSTONE / TRACES OF LIMESTONE
UNDIFFERENTIATED LIME	440	470	440	470	LIME STONE / SANDSTONE
UNDIFFERENTIATED SAND	470	510	470	510	SANDSTONE / LIMESTONE
UNDIFFERENTIATED SILT	510	830	510	830	SILTSTONE / LIMESTONE / TRACES OF SANDSTONE & RED SHALE
WAYNESBURG	830	832	830	832	COAL / SILTSTONE / SANDSTONE
UNDIFFERENTIATED SILT	832	850	832	850	SILTSTONE / SANDSTONE
UNDIFFERENTIATED SAND	850	950	850	850	SANDSTONE
UNDIFFERENTIATED SILT	950	1000	950	1000	SILTSTONE / LIMESTONE
UNDIFFER. LIME / SILT	1000	1170	1000	1170	LIMESTONE / SILTSTONE
PITTSBURGH COAL	1170	1180	1170	1180	COAL / LIMESTONE / SILTSTONE
UNDIFFERENTIATED LIME	1180	1230	1180	1230	LIMESTONE / SILTSTONE
UNDIFFERENTIATED SILT	1230	1400	1230	1400	SILTSTONE / LIMESTONE / RED SHALE
UNDIFFERENTIATED SILT	1400	1730	1400	1730	SILTSTONE / SANDSTONE
UPPER FREEPORT	1730	1740	1730	1740	SANDSTONE

Please insert additional pages as applicable.

Drilling Contractor PATTERSON-UTI DRILLING COMPANY
Address 207 CARLTON DRIVE City EIGHTY FOUR State PA Zip 15330

Logging Company DIVERSIFIED WELL LOGGING LLC
Address 71 N. MAIN STREET City WASHINGTON State PA Zip 15301

Cementing Company HALLIBURTON
Address 121 CHAMPION WAY SUITE #210 City CANONSBURG State PA Zip 15317

Stimulating Company KEANE
Address 5825 North Sam Houston Parkway West Suite 600 City Houston State TX Zip 77086

Please insert additional pages as applicable.

Completed by Anthony Kendziora Telephone 412-735-5705
Signature [Signature] Title Manager Operations South 05.09.23

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



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