



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, June 6, 2022
WELL WORK PERMIT
Horizontal 6A / New Drill

CNX GAS COMPANY LLC
1000 CONSOL ENERGY DR
CANONSBURG, PA 15370

Re: Permit approval for WDTN19BHSM
47-061-01900-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: WDTN19BHSM
Farm Name: CNX GAS COMPANY LLC
U.S. WELL NUMBER: 47-061-01900-00-00
Horizontal 6A: New Drill
Date Issued: 6/6/2022

Promoting a healthy environment.

06/10/2022

PERMIT CONDITIONS

4706101900

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number: _____

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PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

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From the WOTN19K HSM Permit



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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
Fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
dep.wv.gov

**ORDER
ISSUED UNDER
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A**

TO: CNX Gas Company, LLC
1000 Consol Energy Drive
Canonsburg PA 15317

DATE: October 9, 2018
ORDER NO.: 2018-W-8

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 *et seq.* to CNX Gas Company, LLC (hereinafter "CNX" or "Operator"), collectively the "Parties."

FINDINGS OF THE CHIEF

In support of this Order, the Chief hereby finds the following:

1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 *et seq.*, and the rules and regulations promulgated thereunder.
2. CNX is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 1000 Consol Energy Drive, Canonsburg PA 15317
3. On August 9, 2018 CNX submitted a well work permit application identified as API# 47-061-01815. The proposed well is to be located on the WDTN 19 Pad in Battelle District of Monongalia County, West Virginia.
4. On August 9, 2018 CNX requested a waiver for Wetlands WET01-007, WET01-008, WET01-009, WET01-011 as outlined in Attachment 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for the well work permit application identified as API# 47-061-01815.

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CONCLUSIONS OF LAW

1. West Virginia Code §22-1-6(d) requires, in part, that “in addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to... (3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing.”
2. West Virginia Code §22-6A-2(a)(6) requires, in part, that “Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter.”
3. West Virginia Code §22-6A-12(b) requires, in part, that “no well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the Office of Oil and Gas shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The Office of Oil and Gas may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary.”

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ORDER

West Virginia Code §22-6A-12(b) requires, in part, that “no well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland. The Office of Oil and Gas grants the request for a waiver for Wetlands WET01-007, WET01-008, WET01-009, WET01-011 from well location restriction requirements in W.Va. Code §22-6A-12(b) for the well work permit application identified as API# 47-061-001815. The Office of Oil and Gas hereby **ORDERS** that CNX shall meet the following site construction and operational requirements for the WDTN 19 Well Pad:

- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least twenty-four inches (24”) in height;
- b. Erosion control blankets shall be installed on all slopes and down gradient locations of the pad as erosion and sediment controlling BMPs;
- c. Wetlands WET01-007, WET01-008, WET01-009, WET01-011 shall be protected by triple stacked filter socks consisting of two twenty-four inch (24” filter socks and an eighteen inch (18”) filter sock along with silt fence. This along with rip-rap aprons, temporary and permanent vegetative cover will prevent sediment from reaching the wetlands
- d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- e. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
- f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
- g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½”) rain within any twenty-four (24) hour period;
- j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

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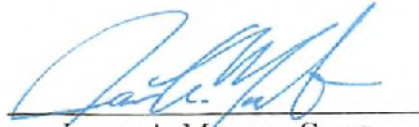
Thus ORDERED, the 9rd day of October, 2018.

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IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA

By:



JAMES A. MARTIN, CHIEF

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11/3/14

Wetland and Perennial Stream Waiver Request

API Number: _____

Operator's Well Number: WDTN19

Well Operator: CNX Gas Company, LLC

Well Number: WDTN19

Well Pad Name: WDTN19

County, District, Quadrangle of Well Location: Monongalia, Battelle, Wadestown

Answer the questions below to request a waiver from West Virginia Department of Environmental Protection for any wetlands or perennial streams which lie within one hundred feet of proposed project Limit of Disturbance (LOD), which includes any erosion and sediment control devices to be used.

This waiver shall be requested pursuant to Chapter 22 Article 6A Section 12 of West Virginia Code, which states:

§22-6A-12(b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows:

- (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir.
- (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake.
- (3) For a groundwater source, the distance shall be measured from the wellhead or spring.

The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary.

§22-6A-12(c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section.

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Wetland and Perennial Stream Waiver Request

API Number: _____

Operator's Well Number: WDTN19

Answer in the space provided, or use additional pages as necessary to fully answer the questions below:

1. Describe the proposed project location, including unique identifying names of all wetlands, and the names of perennial streams for which the waiver is sought.

The project is located West of Wise Run Road (Rd) / CR-6 in the Wadestown area of Monongalia County, WV. The proposed entrance is at 39.697803 and -80.332287 (NAD83 WVN). The limit of disturbance (LOD) of the WTN19 Well Site project is approximately 21.5 acres in size. The project includes a 2,100 foot access road, a 3.9 acre well pad, and excess material/topsoil stockpiles. The general site topography consists of a hillslope/ridgeline complex with moderately steep slopes draining generally to Wise Run & Shriver Run. Wise Run and Shriver Run are indirect tributaries to the Monongahela River, which is a traditionally navigable water (TNW). Vegetation communities include mixed deciduous forests with meadow areas in the Northeastern portions of the LOI. Wetland descriptions are provided on the attached pages.

2. Justify the proposed activity by describing alternatives to this project that were considered.

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- a. Include a No-Action Alternative as to show "the future without the project"
- b. Location Alternatives must be shown
- c. Must demonstrate why a one hundred foot buffer cannot be maintained
- d. Describe how the proposed project is the least environmentally damaging practicable alternative

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a. This pad is essential for gas production in this area. There would be stranded undeveloped acreage in the drilling unit if this pad were not constructed.

b. There are no feasible alternatives for this site. The current pad location is bound by wetlands to the West and ephemeral streams to the East. The current pad layout/width was reduced to the minimum allowable to safely operate/drill and complete the wells. Topography on the adjacent ridges is too severe to accommodate the proposed 2:1 cut/fill slopes and would result in impacting the delineated wetlands Northwest of the current pad location. Landowner constraints to the South/Southeast limit shifting the pad to the South.

c. Due to topographic and landowner constraints, the topsoil stockpile and excess stockpiles could not be moved to another location that was flat enough to provide the necessary soil capacity and be accessible during construction. Therefore, they must be located closer than 100' to Wetlands (WET01_007, WET01_008, WET01_009, WET01_0011). Wetland descriptions are continued on the attached pages.

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Section 2 continued

2d. The current proposed design is the least environmentally damaging practical alternative as there are no environmentally sensitive areas impacted by the well pad. The current pad location is bound by wetlands to the west and ephemeral streams to the East and is situated to avoid direct impact to sensitive environmental features. The current pad layout/width was reduced to the minimum allowable to safely operate/drill and complete the wells to avoid direct impact to streams or wetlands. Topography on the adjacent ridges is too severe to accommodate the proposed pad and would result in direct impact to the delineated wetlands northwest of the current pad location, if the pad had been sited there. The topsoil stockpile was broken up into two separate locations to minimize environmental impact/encroachment on the surrounding sensitive environmental features.

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Wetland and Perennial Stream Waiver Request

API Number: _____

Operator's Well Number: WDTN19

3. Identify sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. This description should include all additional erosion and sediment control measures and devices that will be used.

The four wetlands as described below are located within 100' of the well pad LOD and will be protected by utilizing a combination of E&S controls listed below and under item 4.

WET01_007: Triple Stack Compost Filter Sock, Super Silt Fence, Rip-Rap aprons
Temporary and permanent vegetative cover will be located above the wetland.

WET01_008: Triple Stack Compost Filter Sock, Super Silt Fence, Rip-Rap aprons
Temporary and permanent vegetative cover will be located above the wetland.

WET01_009: Triple Stack Compost Filter Sock, Super Silt Fence, Rip-Rap aprons
Temporary and permanent vegetative cover will be located above the wetland.

WET01_011: Triple Stack Compost Filter Sock, Super Silt Fence, Rip-Rap aprons
Temporary and permanent vegetative cover will be located above the wetland.

4. Provide mapping, plans, specifications and design analysis for the preferred alternative to the project.
- a. Specify in writing what additional controls, measures, devices, monitoring, etc. will be used to protect these wetlands and/or perennial streams for which the waiver is sought.

Additional E&S Controls that may be used during the construction of this site include:

Compost filter sock
Triple compost filter sock
Compost filter sock sediment trap
Super Silt Fence
Rip-rap lined channels
Rip-rap aprons
Rock check dams
Rock Construction Entrance
Diversion Ditches
Roadway culverts
Temporary and permanent seeding & mulching
All disturbed areas are to be seeded as soon as possible.

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Specific implementation of these controls can be found in the Erosion and Sedimentation Control Plan submitted with the permit application.

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: CNX Gas Company LLC 494458046 Monongalia Batelle Wadestown
Operator ID County District Quadrangle

2) Operator's Well Number: WDTN19BHSM Well Pad Name: WDTN19

3) Farm Name/Surface Owner: CNX Gas Company LLC Public Road Access: Wise Run Road/CR6

4) Elevation, current ground: 1264.30 Elevation, proposed post-construction: 1264.30

5) Well Type (a) Gas Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow Deep _____

Horizontal _____

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target formation is Marcellus Shale @ 7880' - 7930'TVD, 50' thick, expected formation pressure ~4600 psi

8) Proposed Total Vertical Depth: 7913'TVD at TD, depending on formation dip

9) Formation at Total Vertical Depth: Marcellus Shale (will not penetrate Onondaga)

10) Proposed Total Measured Depth: 17,205' MD at TD

11) Proposed Horizontal Leg Length: 8,818'

12) Approximate Fresh Water Strata Depths: 125', 584', 845', 933', 938'

13) Method to Determine Fresh Water Depths: Offset Well Information

14) Approximate Saltwater Depths: 2,419', 2,509', 3,139'

15) Approximate Coal Seam Depths: 708'-711', 966'-972', 1029-1031, 1054'-1059', 1060'-1068'

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

(a) If Yes, provide Mine Info: Name: see mine map

Depth: _____

Seam: _____

Owner: _____

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18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New	L/S	<94.0	75	46	96 / CTS
Fresh Water	13.375	New	J-55	54.5	1,135	1,106	960 / CTS
Coal	13.375	New	J-55	54.5	1,135	1,106	960 / CTS
Intermediate	9.625	New	J-55	36	2,960	2,931	1,025 / CTS
Production	5.5	New	P-110	23	17,205	17,176	3,500 / TOC @ 1,550'
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	NA						

CTB 6/3/22

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	30	0.375	N/A	N/A	Type 1	1.18
Fresh Water	13.375	17.5	0.380	2,730	<500	Class A	1.19
Coal	13.375	17.5	0.380	2,730	<500	Class A	1.19
Intermediate	9.625	12.25	0.352	3,520	<2,815	Class A	1.19
Production	5.5	8.75 x 8.5	0.415	16,490	~11,000	Class A or H	1.10
Tubing	2.375	N/A	0.190	7,700	N/A	N/A	N/A
Liners							

PACKERS

Kind:	N/A		RECEIVED Office of Oil and Gas
Sizes:			MAY 31 2022
Depths Set:			WV Department of Environmental Protection

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Utilize conductor rig to set 20" conductor into solid rock and cement back to surface. MIRU drilling rig. Air drill 17-1/2" hole. Run and cement 13-3/8" fresh water casing. Note that there are no known mineable coal seams in this area. Air drill 12-1/4" hole. Run and cement 9-5/8" intermediate casing. Air drill 8-3/4" production hole to curve KOP (this section is typically directionally drilled with a slant/tangent profile for anti-collision and for lateral spacing). Displace hole with 12.0-12.8 ppg SOBMs. Drill 8-1/2" curve from KOP to landing point. Continue drilling 8-1/2" lateral to TD (geosteer this section to remain in Marcellus target window). Perform clean-up cycle to condition well. Run and cement 5-1/2" production casing. Suspend well and skid to next well or RDMO drilling rig.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Run CBL to ~60 degrees in the curve and back to surface to determine production casing TOC. Test production casing and toe prep well. MIRU stimulation/hydraulic fracturing equipment. Fracture well by pumping required number of stages utilizing plug-and-perf method. Max anticipated treating pressure is ~11,000 psi and max anticipated treating pump rate is ~100 bpm. Number of stages and stage spacing to be finalized after drilling. After last stimulation stage, drill out frac plugs and clean-out well to PBTD. Flow back and clean-up well. Tie well into production. Run tubing when required.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 21.0

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22) Area to be disturbed for well pad only, less access road (acres): 12.6

MAY 31 2022

23) Describe centralizer placement for each casing string:

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Fresh water string: centralize shoe joint and every other joint to surface - utilize bow spring centralizers.
Intermediate string: centralize shoe joint and every 3rd joint to surface - utilize bow spring centralizers.
Production string: centralize every joint from shoe to TOC - utilize single piece/rigid bow centralizers.
Actual centralizer placement may be changed based on hole conditions.

24) Describe all cement additives associated with each cement type:

Fresh water/coal string: Class A cement with 1%-3% CaCl₂ and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl₂ and 1/4 pps cello-flake/LCM. Production string: Class A or H cement or Class H: Poz blend with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid loss control, extender, dispersant, anti-settling agent. Actual cement blends may vary slightly depending upon cementing service company utilized.

25) Proposed borehole conditioning procedures:

Air sections are typically vertical holes - will ensure the hole is clean at section TD prior to TOOH to run casing (may require mist and/or soap to clean the hole). For the production hole - once at TD, circulate at max flowrate with max rotation until the shakers clean-up (typically requires multiple bottoms-up). For the production casing - once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.

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WDTN19 Cement Additives

Fresh water/coal string: Class A cement with 1%-3% CaCl₂ and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl₂ and 1/4 pps cello-flake/LCM. Production string: Class A or H cement or Class H:Poz blend with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid loss control, extender, dispersant, anti-settling agent. Actual cement blends may vary slightly depending upon cementing service company utilized.

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06/10/2022



DRILLING WELL PLAN
WDTN-19B-HSM (Marcellus HZ)
Marcellus Shale Horizontal
Monongalia County, WV

		WDTN-19B-HSM SHL	N 435724.3489, E 1764900.9009 (NAD27)
Ground Elevation	1264' GL Elevation	WDTN-19B-HSM LP	N 435745.718, E 1763876.344 (NAD27)
Azimuth	320°	WDTN-19B-HSM BHL	N 442500.1954, E 1758208.6638 (NAD27)

WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	Tops (RKB)		MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
				MD	MD					
	24"	20" L/S	Soil and Rock			AIR	To Surface	N/A	N/A	Stabilize surface fill/soil
			Conductor	129	129					
	17-1/2"	13-3/8" 54.5# J-55 BTC	DFGW		208	AIR / FW Mist	15.8 ppg Class A + 1% to 3% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Ensure the hole is clean at section TD	Set through fresh water zones Set through coal zones Cemented to surface 13-3/8" shoe NOT to be set deeper than ground level
			Waynesburg Coal		708					
			Pittsburgh Coal (Solid)		1,060					
			FW/Coal Casing	1,135	1,135					
	12-1/4"	9-5/8" 36.0# J-55 LTC	Upper Freeport Coal		1,644	AIR / Soap	15.8 ppg Class A + 0% to 2% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Soap the hole as needed and ensure the hole is clean at section TD	Set through potential salt water zones Cemented to surface Casing to be set ~200'-250' below the Big Injun base
			Lower Freeport Coal		1,885					
			Middle Kittanning Coal		1,808					
			Big Lime		2,419					
			Keener Sand		2,479					
			Big Injun Sand		2,509					
			Price Formation		2,690					
	Intermediate Casing	2,960	2,960							
	8-3/4" Tangent	5-1/2" 20.0# P-110 VAR	50 Foot		3,079	AIR	15.0 ppg Class A 50:50 Poz with additives (retarder, suspension agent, gas block, defoamer, fluid loss, extender, etc.) 10% OH Excess Yield = 1.07 TOC @ >= 200' above 9-5/8" shoe	Centralize every joint from shoe to KOP - TOC Single-piece/rigid bow centralizers	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up) Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement	Note: For all strings, actual centralizer placements may be changed due to hole conditions Note: For all strings, actual cement blends may vary slightly depending upon service company utilized
Gordon				3,139						
Fifth				3,304						
Bayard				3,351						
Elks				5,289						
Rhinestreet				7,406						
Cashaqua				7,672						
Burkett				7,788						
Tully				7,815						
Hamilton				7,851						
Marcellus				7,880						
Production Casing			17,205	7,913						

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 WV Department of Environmental Protection
 2620 Kanawha Blvd S
 Charleston, WV 25302
 Phone: 304-251-7914
 Fax: 304-251-7915
 APR 26 2012

8-3/4" x 8-1/2" Hole - Cemented Long String
 5-1/2" 20.0# P-110 VAR
 +/- 8818' Lateral
 TD @ +/- 17205' TVD

4706101900



WDTN19 Pad Frac - SOG Review

In accordance with WVDEP 35CSR8 Section 5.11, all known shallow oil and gas (SOG) wells have been identified within a 1000' buffer around the proposed WDTN19 pad. Any SOG well that falls within the Area of Review (AOR) has been reviewed and is provided in a list that includes API, Operator, Well Name, Well Number, Current Status, Total Depth, and Permit Date.

The Marcellus Shale of the Wadestown area is found at an approximate True Vertical Depth (TVD) of 7900'. In the Wadestown area, there were very few wells that have produced from formations deeper than the Bayard Sand (approximately 3500'). Based on our experience with frac communication and shallow wells, CNX Geology feels that it is highly unlikely for communication to occur with any wells producing in the area above the WDTN19 Pad, due to the Hamilton and Tully being adequate frac barriers. However, if faulting exists, Marcellus frac could grow upward, with the fault acting as a conduit. Fortunately, very few faults are seen in the area and are believed to decoll in the shale below the Bayard, so the chance of communication is unlikely.

The current hypothesis for SOG Communication is that Marcellus frac fluids and pressure intersect and migrate up a nearby fault that acts as a conduit for upward migration and intersection with high permeability reservoirs of the Alexander and Benson. These reservoirs are poorly developed in the Wadestown area. For example, only one well tested the Benson in the area: 47-061-00341 was drilled to 5520' frac'd the Benson and then was plugged and abandoned. Geomechanical data is collected from dipole sonic logs. CNX's nearest sonic data is from the WDTN5BHSU well (Figure 3), which is the pilot hole on this pad. Frac modeling (Figure 4) of the Marcellus in the area does not show significant upward frac growth, giving us confidence that the frac is contained below the Tully Limestone.

Only one Marcellus well lies within the 1000' buffer around the proposed WDTN19 Pad, the WDTN5N Marcellus well (47-061-01826). The WDTN19R is the closest proposed well and will parallel the WDTN5N once 1000' spacing is achieved.

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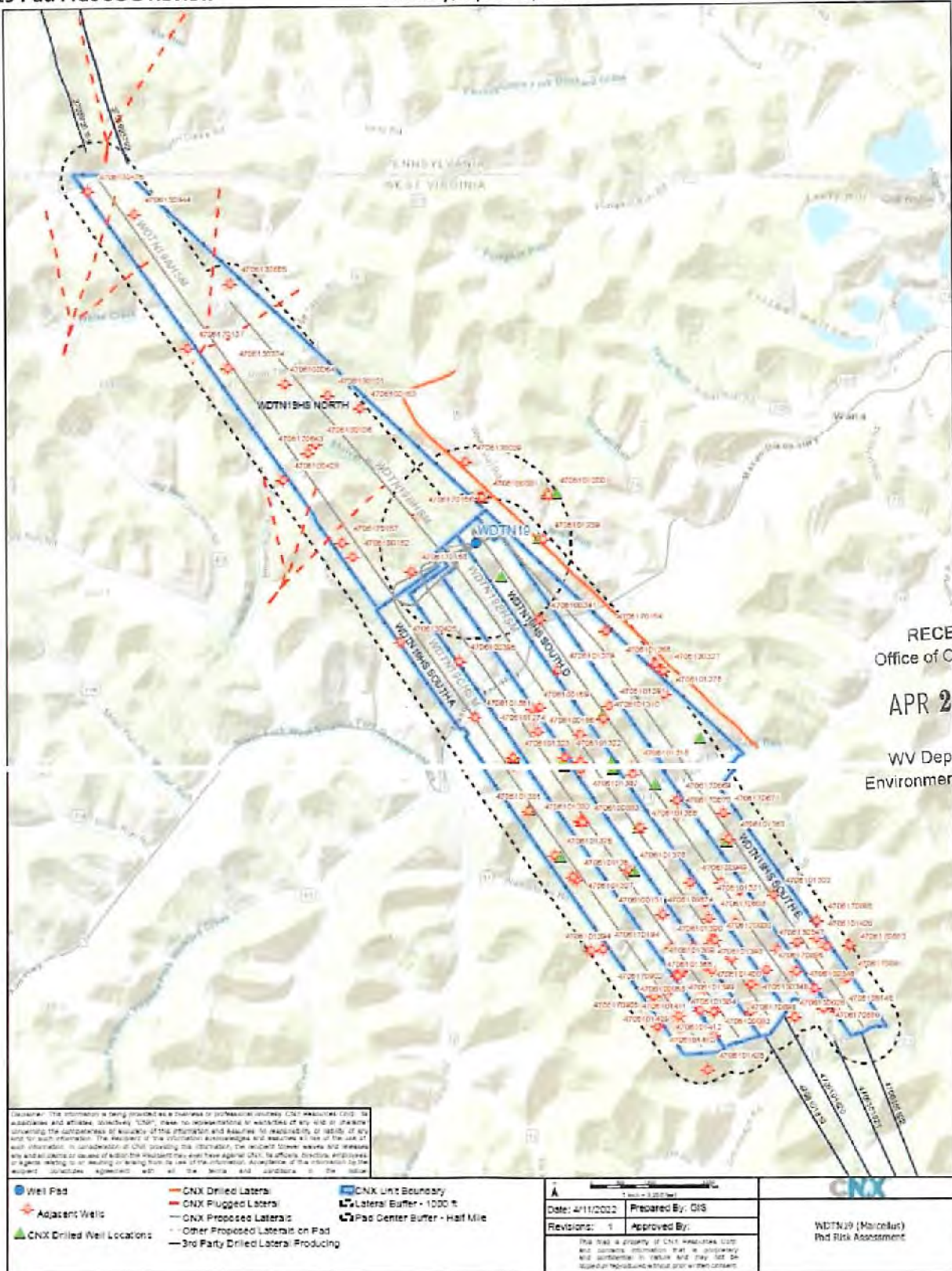
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Figure 1. 98 wells lie within a 1000' buffer around the WDTN19 Pad that penetrate the Big Injun Sand or deeper horizons. The deepest well is 5520' and tested the Benson Sand, but I snow P&A. All other wells are less than 3764' deep, producing from the Bayard Sand and/or shallower formations. No known SOG Communication events have occurred in this area.



WDTN19 Pad Frac SOG Review

Tuesday, April 12, 2022



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Figure 2. List of 98 wells seen in Figure 1. Two groups are shown below.

The first group of 42 wells, one of which is active and the remaining are Inactive.

ApH10	WellName	CurrentOperator	CompletionFormatio	CurrentStatus	CurrentStatusDa	PermitDa	SpudDa	CompletionDa	OnProductionDa	TotalDep
4706100426	SHRIVER 5114	PILLAR ENERGY LLC	<Null>	ACTIVE	12/10/1921	<Null>	<Null>	1/1/1997	1/1/1997	<Null>
4706130344	F M STAGGERS	PITTSBURGH & WV GAS	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	4/11/1918	6/3/1918	<Null>	2185
4706130476	FRED HEINEN	DARNEGIE NATURAL GAS CO	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	11/12/1918	8/23/1919	<Null>	2880
4706170303	SARAH E EDDY	MCDERMOTT, JOSEPH H	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3021
4706130346	ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT. GAS)	GORDON	INACTIVE	<Null>	<Null>	<Null>	1/21/1941	<Null>	3160
4706130348	A J CARROTHERS HRS	H L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3167
4706170303	SARAH E EDDY	MCDERMOTT, JOSEPH H	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3190
4706130665	THOMAS WHITE HEIRS	(N/A)	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	6/8/1920	10/6/1927	<Null>	3204
4706130347	ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	11/14/1912	<Null>	3235
4706130348	ELIHU EDDY & D L CROSS	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	3/19/1920	<Null>	3302
4706130327	MICHAEL BARR	HOPE NATURAL GAS CO	<Null>	INACTIVE	<Null>	<Null>	8/3/1910	11/26/1910	<Null>	3324
4706130425	E E BELL	PITTSBURGH & WV GAS	FIFTY-FOOT	INACTIVE	<Null>	<Null>	5/29/1913	8/18/1913	<Null>	3354
4706130020	A J CARROTHERS	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3365
4706130374	LUCINDA SIX	GLAVIS ROY W	<Null>	INACTIVE	<Null>	<Null>	<Null>	8/11/1925	<Null>	3465
4706130101	ERNEST BELL	MACKAY, ARTHUR D	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3492
4706130104	WM HAINES	MACKAY, ARTHUR D	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3521
4706170154	MARY A EAKIN	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170881	ELIHU EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170883	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170895	M J BREWER	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170110	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706130029	M C & C WISE HEIRS	H L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170157	HENRY W HAINES	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170669	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170874	P EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170880	SOUTH PENN OIL	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170885	SOUTH PENN OIL	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170886	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170902	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170905	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170870	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170871	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170897	ELIHU EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170901	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706130218	HARRY L TENNANT	HARRY L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170137	SIMON L WHITE	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170156	GEORGE W SHRIVER	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170158	JASPER SHRIVER	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170194	M J GARRISON	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170643	WILLIAM HAINES	PHILADELPHIA OIL CO	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170896	MARY E MYERS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170898	MARY E MYERS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>

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The second group of 56 wells, all of which are P&A. Only one was well deeper than 3746', which was a 5520' deep Benson test (47-061-00341).

Table with columns for well ID, company name, status, and dates. Rows include well IDs like 4706101208, 4706101428, 4706101923, etc., and companies like CONSOL, NORTHVEST FUEL DEV INC, and EASTERN ASSOCIATED COAL/PEABODY COAL CO.

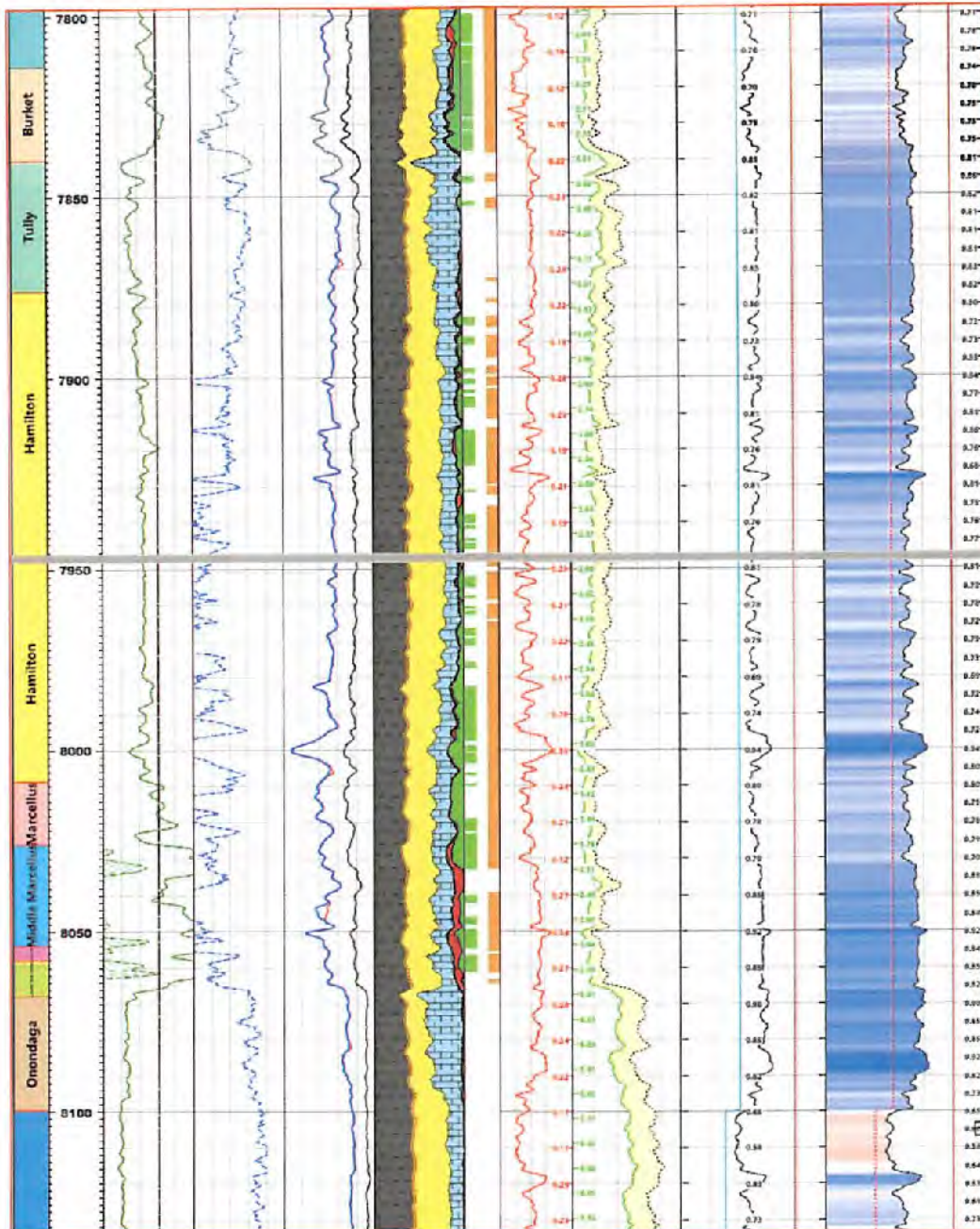
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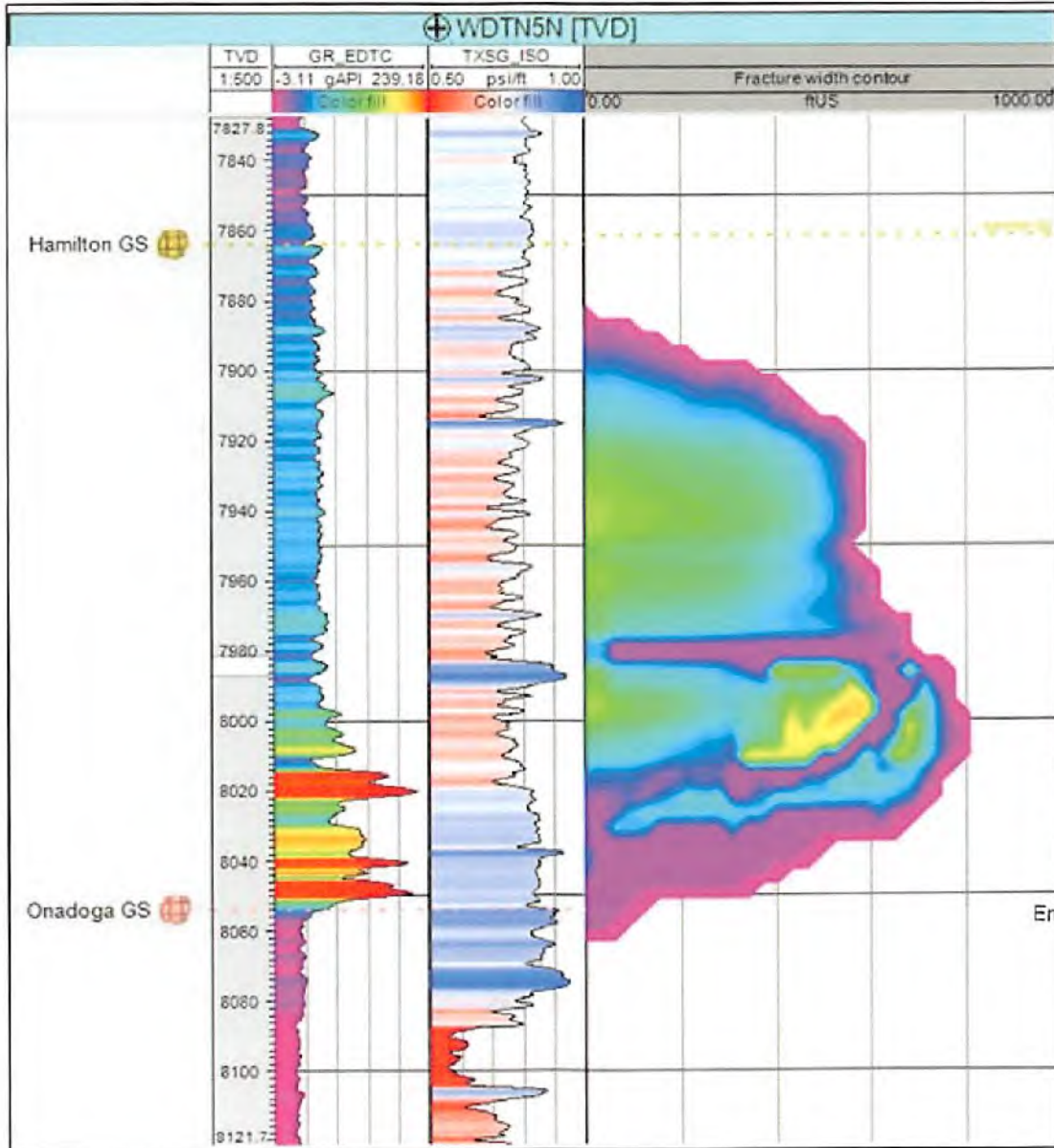


Figure 3. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the Wadestown Area Stress Profile log.



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Figure 4. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the WDTN5B. Frac modeling yields a frac height of approximately 200'.



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WW-9
(4/16)

API Number 47 - _____ - _____
Operator's Well No. WDTN19BHSM

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CNX Gas Company LLC OP Code 494458046

Watershed (HUC 10) Dunkard Creek Quadrangle Wadestown

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain N/A no pits used)

Will closed loop system be used? If so, describe: Yes, rig pit system with centrifuges for barite recovery and maximizing fluid reuse.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical air from sealhead to down hole, off port (KOP)

-If oil based, what type? Synthetic, petroleum, etc. Synthetic

Additives to be used in drilling medium? Bactericide, Polymers, and weighting agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed offsite

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Sarah Weigand
Company Official (Typed Name) Sarah Weigand
Company Official Title Manager Permitting Services

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Subscribed and sworn before me this 20th day of April, 2022

Rebecca Zachwieja

Notary Public
Commonwealth of Pennsylvania - Notary Seal
Rebecca Zachwieja, Notary Public
Washington County
My commission expires November 7, 2023
Commission number 0611912022
Member, Pennsylvania Association of Notaries

My commission expires November 7, 2023

4706101900

Form WW-9

Operator's Well No. WDTN19BHSM

CNX Gas Company LLC

Proposed Revegetation Treatment: Acres Disturbed 21.0 Prevegetation pH 6.5

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch hay or straw @2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Kenneth Greynolds

Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds, email = Kenneth.L.Greynolds@wv.gov, O = AD O = WV/DEP OU = Oil and Gas
Date: 2022.04.14 09:48:28 -0400

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No

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06/10/2022

Type of Waste	Disposal Company Name	Disposal Location	Disposal Location Coordinates (Lat., Long.)	Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact Information
	Apex Sanitary Landfill	11 County Road 78				Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Solidification Services, Municipal Solid Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 3 picocuries per gram above the natural background level.	Landfill Office: (740) 543-4383
Non-Haz Disposal	(Apex Environmental)**	Amsterdam, Ohio 43803	N/A 39.853056, -79.924786	Apex Environmental Landfill	N/A WMER GP No. 1255W001 WDM Industrial Waste Permit No.:		Dave Brown 412-848-1828, dbrown@ApexLF.com Rob Beiler 804-291-0383 Office
Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	2526 McClellandtown Road, Masontown, PA 15461		Appalachian Water	7608201 A-2	Brine (Produced Water) and oily water from compressor stations.	301-283-8814 Cell rob.beiler@nuverra.com Office: 740-609-3800
Brine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 42935	40.105200, -80.711680	N/A	N/A	Brine (Produced Water)	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph:(585) 704-2744 Fax: 484 624-5506* Office: 740-609-3800
RW & TENORM	Austin Master Services	801 N 1st St, Martins Ferry, OH 42935	40.105200, -80.711680	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph:(585) 704-2744 Fax: 484 624-5506
RW & TENORM	Belmont Solids Control Cambrian Well Services - Kemble (Crr Petroleum Corporation)	78405 Cadiz-New Athens Rd. Cadiz, OH 43907	40.233830, -81.003300 39.974954,	N/A Kemble 1-D (SW1W28)	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Dave Brown 412 848 1828 Mark Winsap 330 692 0423; dbrown@ApexLF.com Bob Orr 740-796-6405 614-648-8828 orropetro@gmail.com
Brine Injection - Treatment		Zanesville, Muskingum County, Perry Township, OH		-81.945389 (SW1W28)	34-119-2-8780	Brine (Produced Water)	
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.087460, -82.047918	BPC01	VAS209608BUC	CNX Owned UIC SWWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.222201, -81.959987	N26	VAS209308BUC	CNX Owned UIC SWWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.184198, -82.082549	U7	VAS209268BUC	CNX Owned UIC SWWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	37.120547, -81.961222	AW114A	VAS209708BUC	CNX Owned UIC SWWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.147934, -82.075320	Ball Well	VAS5209218BUC	CNX Owned UIC SWWs: Frac water, brine, produced water	Contact Ops Groups Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.426278, -81.502379	Order No. 2015-452; Vocational School No. 2 Well, SWIW No. 20	API # 34-167-2-9543-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 Cell: 304.588.0936 Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.425172, -81.507900	Order No. 2015-582; Heinrich Unit #2 Well, SWIW No. 22	API # 34-167-2-9464-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 Cell: 304.588.0936 Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.429867, -81.511020	Order No. 2015-581; Heinrich Unit #3 Well, SWIW No. 21	API # 34-167-2-9445-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 Cell: 304.588.0936 Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39.402842, -81.476913	Order No. 2019-79; American Growers No. 1 Well, SWIW No. 26	API # 34-167-2-9766-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 Cell: 304.588.0936
RW & TENORM	Empire Fluid Solutions (Formerly Troc Clean)	41540 National Road Baltimore, OH 43718	40.0687, -81.04963	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab. Non-radioactive material & radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/lab. Liquid/Semi-solids treatment and separation for waste disposal.	Orin David Orin,david@trocclean.com 918-413-6476

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Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH Barrowsville, Belmont County, OH	39.973643, -81.825727	Pattison Trust No. 1-D (SFWW #80)	Buckeye UIC Barrowsville (SFWW #2)	API # 34-119-2-8803 34-013-2-0609 UIC #609	Brine (Produced Water)	Bryan Force Mobile: 412.288.0066 Office: 724.465.9399 bforce@forceincorporated.com Bryan Force Mobile: 412.288.0069 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)		NEED				Frac water, brine, produced water, Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs etc. Also they do washouts and they have storage capacity at 200000 for 1000 barrels and 100000 for brine.	Kevin Flaherty (412)973-2568 Zachery Reed zacheryr4@yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323 Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (330) 270-9900
RW & TENDRM	Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26039	40.06865, 80.61492 37.495188	N/A	N/A	UIC: UIC00550319 XPC: 47-059-00319	Class II Injection Fluids that are in connection with conventional oil or gas production and may be commingled with waste waters from gas plants unless those waters are classified as hazardous wastes at the time of injection.	Larry Chamberlain 330-398-5919 lchamberlain@fwo-inc.com Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoveryip.com
Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820 401 Jefferson Rd, Waynesburg, PA 15370		-81.105161	Camp Creek Disposal Well	WMGR1235W010	Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (330) 270-9900
Brine Injection - Treatment	Greene County Water Treatment, Inc.		39.908611, -80.141111		Waynesburg Facility	WMGR1235W010	Non-radioactive material, low level radioactive material, (NORM/TENDRM), and high level TENDRM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing, analysis/lab.	Larry Chamberlain 330-398-5919 lchamberlain@fwo-inc.com Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoveryip.com
RW & TENDRM	Ground Tech LLC	240 Sister Court, Youngstown, OH 44510 572 Route 1B Burgetstown, PA 15021	41.113260, -80.674509		N/A	N/A	Oil and Gas Fluids with minimal oil and solids present	Terry Gadd terry.gadd@pmascaro.com, 610-626-4133 Paul Williams 740-395-0684 mudmatterspw@gmail.com
Brine Injection - Treatment	Hydro Recovery	1521 Wetzel County Landfill Rd, New Martinsville, WV 26155	40.422874, -80.426125		Wetzel County Landfill	WMGR1235W019	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Process Waste, Municipal Solid Waste	Terry Gadd terry.gadd@pmascaro.com, 610-626-4133 Paul Williams 740-395-0684 mudmatterspw@gmail.com
Non-Haz Disposal	Mascaro & Sons- Wetzel Co LP		N/A		Wetzel County Landfill	N/A	Non-radioactive material, low level radioactive material (NORM/TENDRM), and high level TENDRM material handling, storage, and transport. (TENDRM downblending of low level TENDRM material (< 85 pCi) on-site. High level TENDRM (< 85 pCi) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).	Customer Service: (724) 929-7694 Bob Orr 614-648-8858 330-264-0060 (D) jstater@quala.us.com
RW & TENDRM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531, -81.449219		N/A	N/A	Spencer to complete Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Non-TENDRM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Non-Haz Disposal	MXI Environmental Services LLC	2639 Old Trail Road Abingdon, VA 24210 111 Corner Lane, Belle Vernon, PA 15012	N/A		Noble / Westmoreland Sanitary Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Sludge, Process Waste, Solidification Services, Municipal Solid Waste **Ohio "TENDRM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENDRM waste with combined concentration less than 5 picocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Non-Haz Disposal	Noble Environmental Landfill (Former Westmoreland Waste)	7675 East Pike Norwich, Ohio 43767	39.97415, -81.844765		N/A	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
RW & TENDRM	Pressure Tech	515 Industrial Blvd., Wooster, OH 44691	N/A		N/A	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Oil & Gily Water Treat - Recycle	Quala		N/A		N/A	N/A	Approved for non-haz water treatment of oil & water mix. Also offer transportation and solidification services. Capable of other types of waste disposal and handling with prior Environmental and Supply Chain approval.	Guy Turuturka gtururka@valcor.com 304-963-1563
Non-Haz Disposal	Republic Services - Carbon Limestone**	8100 S State Line Rd, Lowellville, OH 44436	N/A		Carbon Limestone Landfill	N/A	Approved for non-haz water treatment of oil & water mix, oil, oil	Steve Atkinson
Non-Haz Disposal	Republic Services - Imperial (Allied Waste of PA)	11 Boggs Rd, Imperial, PA 15126	N/A		Imperial Landfill	N/A		
Non-Haz Disposal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003 1119 Old Route 119 South Mt. Pleasant, PA 15666	N/A		Short Creek Landfill	N/A		
Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Lippincott Road Waynesburg, PA 15370	40.215535, -79.606388		New Stanton Facility	WMGR1235W005	Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com Matt Kicinski 814-574-9701 mkicinski@reswater.com Gordon Cooper Gordon.cooper@safety-kleen.com 304-215-2284 1-866-670-9034
Brine Injection - Treatment	Reserved Environmental Services (RES)	10 Industrial Park Drive Wheeling, Wv. 26003	39.645555, -80.140833		Waynesburg Facility	WMGR1235W031	Oil and Gas Fluids with minimal oil and solids present	Jow Staton: 717-560-7936 Office: 301-223-1251 Fax: 301-223-1253 jstaton@spiritservices.com Corporate Number: 734-442-2353 Guy Turuturka gtururka@valcor.com 304-963-1563
Hazardous Waste Disposal	Safety Kleen		N/A		Wheeling Landfill	N/A		
Oil & Gily Water Treat - Recycle	Spirit Services, Inc.	173 Industrial Park Ln., Beech Bottom, WV 26090	N/A		N/A	N/A		

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Oil & Oily Water Treat - Recycle	Valcor Environmental Services LLC	Huntington, WV 25201	N/A	N/A	N/A	filters, and antifreeze only. Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	SAtkinson@valcor.com Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disosal	Waste Management - American Landfill	7916 Chapel St SE, Waynesburg, OH 44688	N/A	American Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Arden Landfill	200 Ranges Ln, Washington, PA 15301	N/A	Arden Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Chestnut Ridge	585 Har- Ln, Blountville, TN 37617	N/A			Spencer to complete	Paula Maryanski pmaryanski@wm.com (865) 388-7279 Cell (205) 652-8187 Tech Service Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Evergreen Landfill	1310 Leckusboro Rd, Blainville, PA 15717	N/A	Evergreen Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Kelly Run	1500 Hayden Blvd, Elizabeth, PA 15037	N/A	Kelly Run Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Mahoning Landfill	3510 E Garfield Rd, New Springfield, OH 44443	N/A	Mahoning Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum)Construction & Demolition Waste, Industrial Waste, Non-Friable Asbestos, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Meadowfill Landfill	1488 Dawson Dr, Bridgeport, WV 26830 1550 Balmer Rd Youngstown, NY 14174	N/A	Meadowfill Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Hazardous Waste Disposal	Waste Management - Model City		N/A	Model City Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Sol/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Linda Davie: 716-286-0365 or 800-968-4776 Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WV 26104	N/A	Northwestern Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - S&S Grading Landfill	4459 Good Hope Pike, Clarksburg, WV 26301	N/A	S&S Grading Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - South Hills (Aronoff)	3100 Hill Rd, South Park Township, PA 15129	N/A	South Hills Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com
Non-Haz Disposal	Waste Management - Valley Landfill	6015 Pleasant Valley Rd, Irwin, PA 15642	N/A	Valley Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-4244, TFarnsw@wm.com

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4706101900

Site Safety Plan for Wells WDTN19BHSM

CNX Gas Company, LLC.

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APR 26 2022

WV Department of
Environmental Protection



Approval Sheet

The Office of Oil and Gas and the Oil and Gas Conservation Commission have set forth minimum requirements for necessary equipment and procedures that must be addressed in a Safety Plan ("Plan") and shall be submitted and approved prior to drilling a deep well. A deep well shall be any well which meets the definition as provided for in Chapter 22C, Article 9 of the West Virginia Code.

A site specific Safety Plan must be submitted with each deep well application or no later than one week prior to spudding. Approved Plans shall be maintained and available at the drilling rig at all times.

The Office of Oil and Gas must approve all changes and modifications to previously approved plans.

This plan has met the requirements of the Policy Statement Deep Well Drilling Procedures and Site Safety Plan Requirements as set forth by:

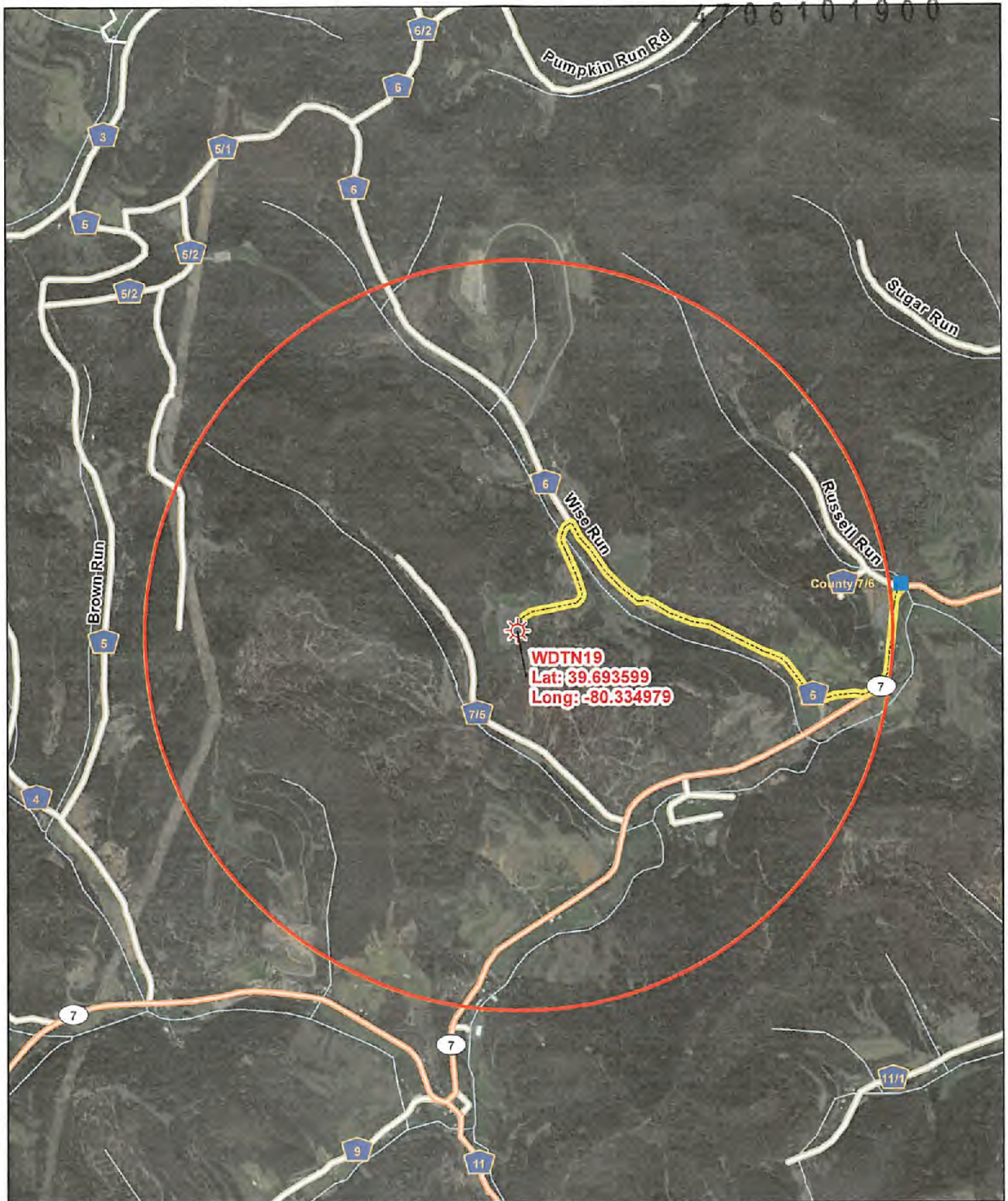
West Virginia Division of Environmental Protection, Office of Oil and Gas
And
West Virginia Oil and Gas Conservation Commission.

Approved this day _____ of month _____, 20__ by

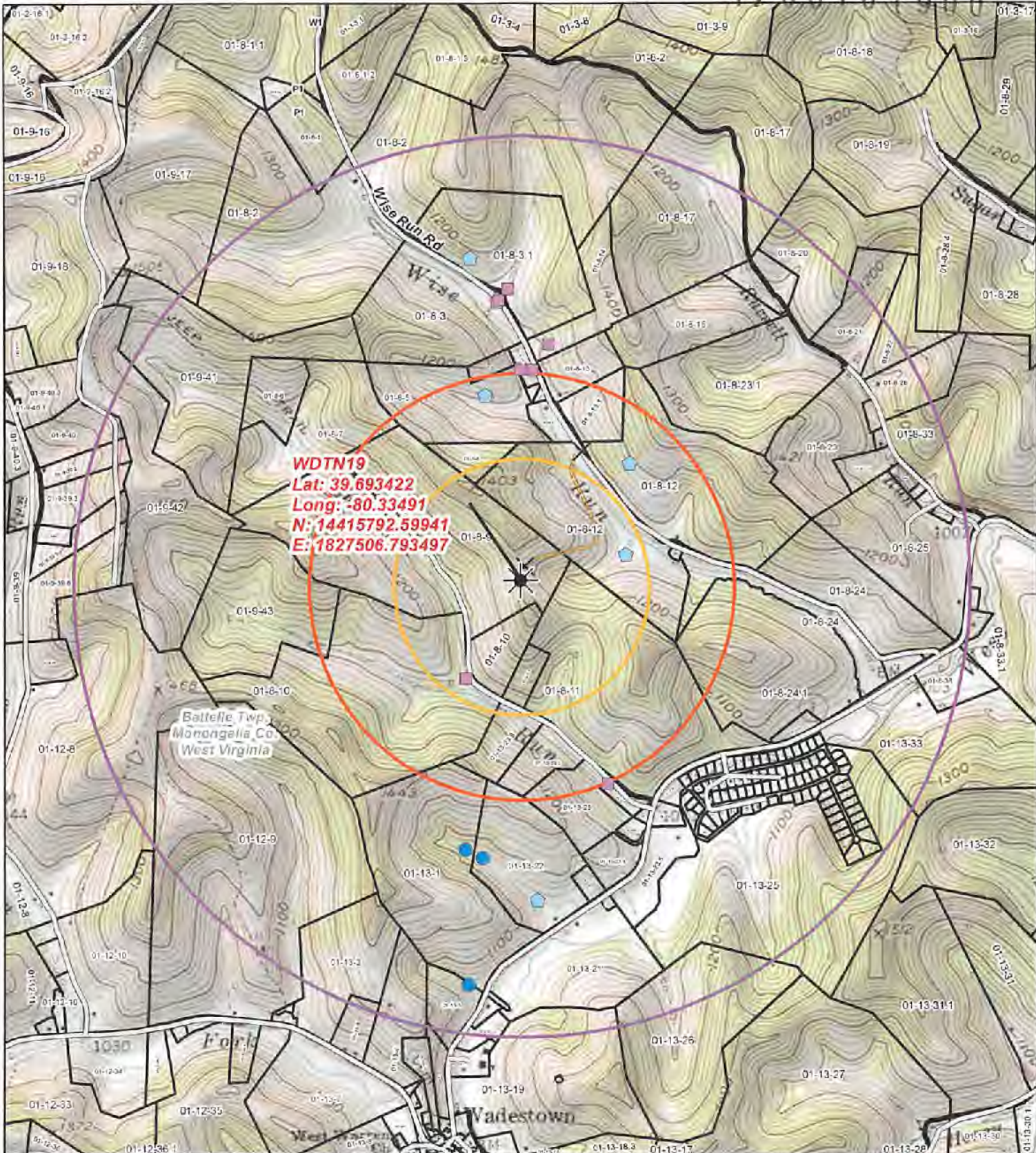
Kenneth Greynolds

Digitally signed by Kenneth Greynolds
DN: CN = Kenneth Greynolds, email = Kenneth.L.Greynolds@wv.gov, C = AD, O = WVDEP OU = Oil and Gas
Date: 2022.04.21 08:13:14 -0400

Date: _____



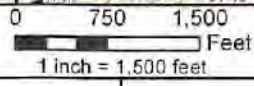
WDTN19 Wellpad Evacuation Point 1 Mile Evacuation Buffer Evacuation Route	<h3>WDTN19 Evacuation Route</h3> <p>Exit the Pad Site heading Northeast via the Access Road. Turn Right onto Wise Run Rd heading towards Mason Dixon highway (Roughly 9/10th mile). Turn left onto Mason Dixon Highway (WV-7) and head Northeast towards Russel Run (Roughly 3/10th mile) Turn Left on Russel Run and use pull off (roughly 100ft)</p>	 1 inch = 1,750 feet Date: 4/7/2022 Prepared By: GIS Revisions: 1 Approved By: <small>This map is property of CNX Resources Corp and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.</small>	 WDTN19 Site Evacuation Plan 06/10/2022
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WDTN19
 Lat: 39.693422
 Long: -80.33491
 N: 14415792.59941
 E: 1827506.793497

Legend

- Wellbore
- Access Points
- Pond
- Spring
- Water Well
- Access Road
- 1 Mile Buffer
- 1,500 Foot Buffer
- 2,500 Foot Buffer
- Surface Parcel



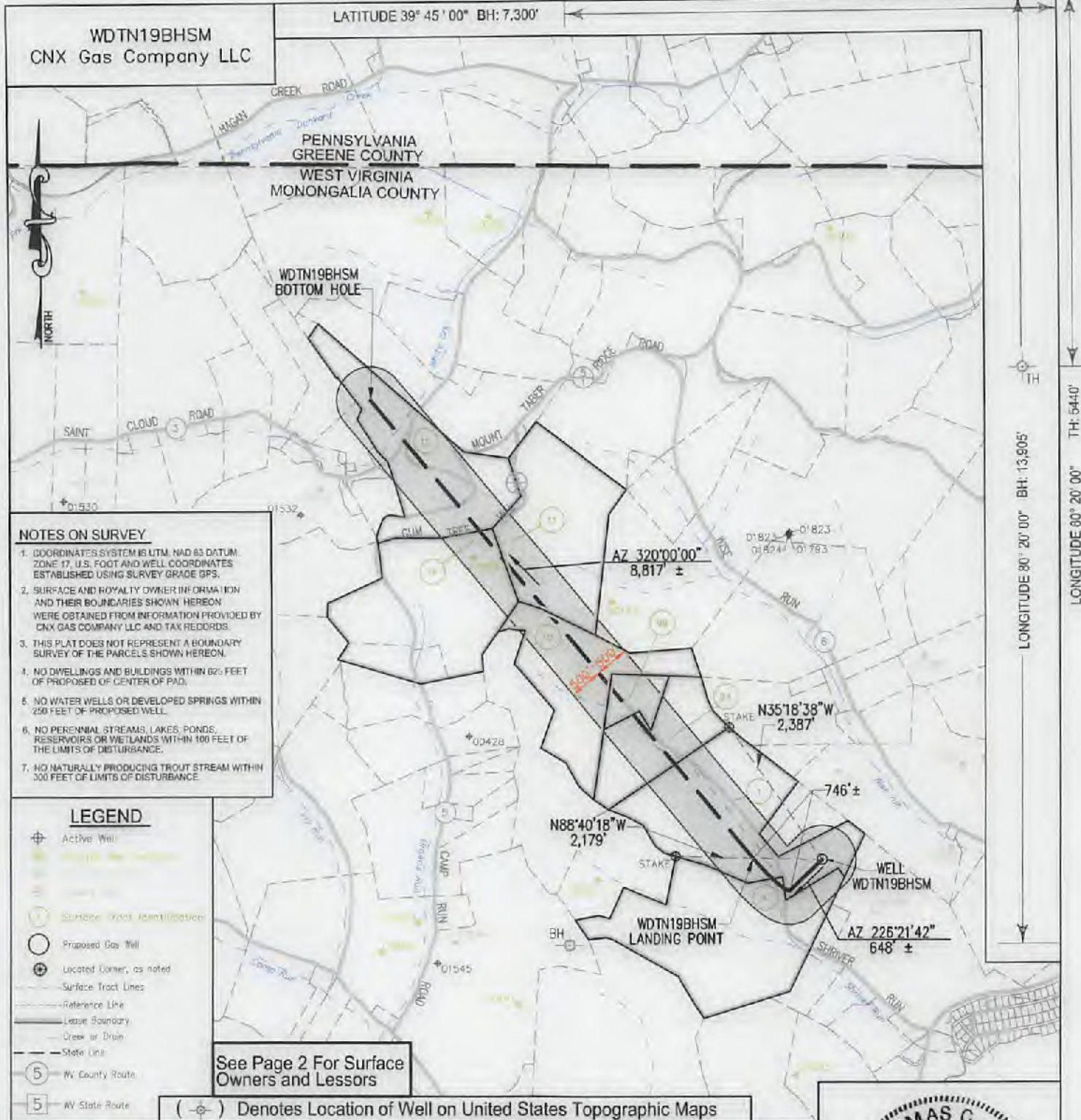
Original Date: 4/8/2022	Prepared By: GIS
Revision Date: 4/8/2022	Approved By: GIS

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**WDTN19
Ground Water Map**

06/10/2022



NOTES ON SURVEY

- COORDINATES SYSTEM IS LTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM INFORMATION PROVIDED BY CNX GAS COMPANY LLC AND TAX RECORDS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- Active Well
 - Proposed Gas Well
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - State Line
 - WV County Route
 - WV State Route

See Page 2 For Surface Owners and Lessors

(-o-) Denotes Location of Well on United States Topographic Maps



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.

Thomas C. Smit
L. L. S. 687



SEAL

FILE NO:
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: APRIL 05 20 22
OPERATORS WELL NO:
API WELL NO: 47 - 061 - 01900
STATE COUNTY PERMIT

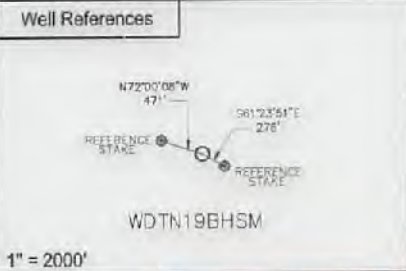
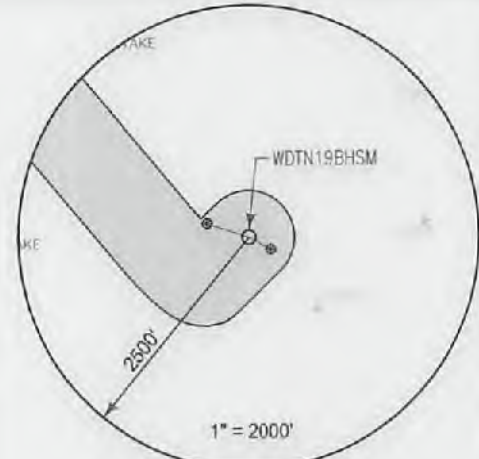
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown
DISTRICT: Batelle COUNTY: Monongalia
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

06/10/2022

WDTN19BHSM
CNX Gas Company LLC

TRACT ID	SURFACE OWNER	LESSOR	PIN
1	CNX Gas Company LLC	Hugh Kirkland Jack T. Livengood and Mary Jo Livengood Barbara Haning Diane H. Gonclaves, individually and co-executor of the Edward Lee North Estate Patrick Lee North Melissa Kubishke Catherine C. Kirkland Louise H. Berg, as Trustee of the The Louise H. Berg Revocable Trust Sherry Lemons Christine A. Kirkland, as Trustee of the Christine A. Kirkland Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated 9/2/1998 Catherine Haning Coleman, f/k/a Catherine G. Haning Zachary C. Haning Mary Hennen A. E. Hennen, III Morgan Haning Sarah C. Sheridan Kathleen Farmer Anne W. Haning David Michael Hennen John K. Hennen Robert Douglas Hennen Elizabeth L. March Three Rivers Royalty, II, LLC Debra Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R. Manning and Robert Manning, w/h Kathryn Rew Becker and Michael Compton, w/h BOKF, N.A. as Sole Trustee of the Alma Kirkland Revocable Gail T. Bellucci Northeast Natural Energy, LLC	1-8-9
4	Troy David Beckner, ET AL	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS Antero Resources Corporation	1-8-10



SURFACE HOLE LOCATION (SHL)	
UTM 17 NAD 83	
N:	4393938.836
E:	556694.942
NAD 83, WV NORTH	
N:	435761.606
E:	1733464.051
LAT/LON DATUM NAD 83	
LAT:	39°41'36.212"
LON:	80°20'06.947"
LANDING POINT	
UTM 17 NAD 83	
N:	4393940.136
E:	556682.686
NAD 83, WV NORTH	
N:	435782.994
E:	1732439.498
LAT/LON DATUM NAD 83	
LAT:	39°41'36.330"
LON:	80°20'20.057"

WDTN19 WELL PAD	
BOTTOM HOLE LOCATION (BHL)	
UTM 17 NAD 83	
N:	4395969.174
E:	554921.634
NAD 83, WV NORTH	
N:	442537.582
E:	1726772.089
LAT/LON DATUM NAD 83	
LAT:	39°42'42.556"
LON:	80°21'33.385"



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.

Thomas C. Smith
L. L. S. 687



FILE NO:
DRAWING NO:
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY:
1:2500
PROVEN SOURCE OF ELEVATION:
NGS CORS Station



DATE: APRIL 05 20 22
OPERATORS WELL NO:
API WELL NO
47 - 061 - 01900
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown
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PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'
WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive
Canonsburg, PA 15317 Canonsburg, PA 15317

06/10/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
9A	CNX Gas Company LLC	Three Rivers Royalty II LLC	1-8-7
		Elizabeth L. March, widow	
		Kathryn Rew Becker and Michael Compton, wife and husband	
		Debra Rae Manning aka Deborah R. Manning aka Debora R. Manning and Robert Manning, wife and husband	
		Michelle Artmand and Kevin B. Artman, wife and husband	
		Cindy Pourbaix, a married woman dealing in her sole and separate property	
		Gary Lee Stanley, a married man dealing in his sole and separate property	
		Edna Green, single	
		Harriet Smith Leurant, widow	
		Karen Ilario, a married woman dealing in her sole and separate property	
		Gayle Brancazio and Rick Brancazio, wife and husband	
		Audrey Gleske and John Gleske, wife and husband	
		Barry B. Burnfield and Linda Burnfield, husband and wife	
		Dorothy Burnfield Ringler	
		Paul Cross Jr., divorced	
		Tammy King, a married woman, dealing in her sole and separate property	
		Stanley Roscoe Burnfield, a married man dealing in his sole and separate property	
		Anna Marie Eddy and Kyle F. Eddy, wife and husband	
		Shawn R. Moore, a married man dealing in his sole and separate property	
		William C. Burnfield, widower	
		Patricia Dian Wilson and Henry C. Wilson, wife and husband	
		Melinda Kay Hibbs and Harold E. Hibbs, wife and husband	
		Stanley C. Moore and Nancy Ella Moore, husband and wife	
		Patricia Simpson, widow	
		Judy Lynn Stanley, a single woman	
		Susan Hennen, a single woman	
		William F. Reeves, widower	
		Edgar A. Moore Jr., a single man	
		Tina Leigh Goodman, a single woman	
		Crystal Loudin aka Christal Loudin and John A. Loudin, wife and husband	
		Jackie S. Shriver, divorced	
		Martha A. Muscavitch aka Peggy Muscavitch, a married woman dealing in her sole and separate property	
		Nancy J. Cummins, single	
		Janet E. Dulaney aka Jan Dulaney and Larry D. Dulaney, wife and husband	
		Roger Stanley and Donna Stanley, husband and wife	
		Christopher S. Erichsen, divorced	
		Barbara Acklin Stewart and Kenneth Stewart, wife and husband	
		Charles F. Acklin and Wanda L. Acklin, husband and wife	
		Timothy J. Acklin, a married man dealing in his sole and separate property	
		Stanley D. DeBolt, single	
		Vance V. DeBolt, a married man dealing in his sole and separate property	
		Cheryl Diane Gregerson, Single	
		Sharon Margevicius, a married woman dealing in her sole and separate property	
		Gay Byard	
		Mary Jo White Livengood	
		Elaine Grabowski and Charles Andrew Grabowski, wife and husband	
		Nanette L. Leurant, an individual, dealing in her sole and separate property	
		Michael Burnfield, a single man	
		Brian Burnfield, a single man	
		Floretta Finnegan Burnfield, a widow	
		Ruth Mihalec	
		Arthur Cross	
		Dan DeBolt	
		Shannon DeBolt Knapp	
		Rick Brewer	
		Lori Tomblin	
		Kevan Burnfield	
		Stuart A. Moore	
		Karen Soto	
		Mary E. Bush	
9B	CNX Gas Company LLC	Three Rivers Royalty II LLC	1-8-6
		Elizabeth L. March, widow	
		Kathryn Rew Becker and Michael Compton, wife and husband	
		Debra Rae Manning aka Deborah R. Manning aka Debora R. Manning and Robert Manning, wife and husband	
		Mary Jo White Livengood	

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TRACT ID	SURFACE OWNER	LESSOR	PIN
10	Regis V. Provance, ET UX., ET AL	Regis B. Provance aka Regis V. Provance and Bonnie M. Provance, husband and wife	1-9-41 & 44
		Brian L. Provance, single	
		Regis B. Provance II, single	
		Larry J. Miller, Jr.	
		Melissa Kubishke, dealing in her sole and separate property	
		Catherine C. Kirkland, a single woman	
		Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust	
		Sherry Lemons, a married woman dealing in her sole and separate property	
		Christine A. Kirkland, as Trustee of the Christine A. Kirkland	
		Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust	
		Pamela Jane Brewer, as Trustee of the Pamela Jane Brewer Revocable Trust	
		Catherine Haning Coleman f.k.a. Catherine G. Haning, a married woman dealing in her sole and separate property	
		Zachary C. Haning, a married man dealing in his sole and separate property	
		Mary Hennen, a single woman	
		A.E. Hennen, III, a married man dealing in his sole and separate property	
		Morgan Haning, a married man dealing in his sole and separate property	
		Sarah C. Sheridan, a married woman dealing in her sole and separate property	
		BOKF, NA, as sole trustee of the Alma Kirkland Revocable Trust	
		Kathleen Farmer, a married woman dealing in her sole and separate property	
		Anne W. Haning, single	
		David Michael Hennen, a married man dealing in his sole and separate property	
		John K. Hennen, single	
		Robert Douglas Hennen	
		Michelle Woods f.k.a. Michelle Brienne Haines, a married woman dealing in her sole and separate property	
		David B. Haines and Jeanette C. Haines, husband and wife	
		Jean Banks, a widow	
		Constance A. Corey f.k.a. Constance Ann Haines and Robert Corey, husband and wife	
		Rosalie J. Capshaw, widowed	
		Phillips Ronald Laws and Sarah Laws, husband and wife	
		Kris Laws Miller and Robin McClary, her wife	
		Faye B. Sigman f.k.a. Faye Arnold Buckley, herein dealing with her sole and separate property	
		Glynis Marion, f.k.a. Glynis Lan, herein dealing in her sole and separate property	
		Barbara Thomas, widow	
		Raymond Wayne Frye, divorced	
		William Lee Haines, Jr., dealing in his sole and separate	
		Lisa Craig, divorced	
		Kathleen Costner f.k.a. Kathy Figueroa, divorced	
		Mike E. Macale, single	
		Mark A. Macale, single	
		Jerilyn R. Baucum, married herein dealing in her sole and separate property	
		Terri Attinger f.k.a. Terri Devlin and Richard C. Attinger, wife and husband	
		Dorothy A. Hammer, divorced	
		June Fulton f.k.a. Jane Fulton, herein dealing in her sole and separate property	
		Pepe Patrick Jack Miller f.k.a. Pat Miller and Kelly Anne Miller, husband and wife	
		Julie Ann Griffis and Gary Griffis, wife and husband	
		Three Rivers Royalty, II, LLC	
		Gail T. Bellucci	
		Northeast Natural Energy, LLC	
		Barbara Haning	
		Hugh Kirkland	
		Patrick Lee North, individually and as co-executor of the Edward Lee North Estate	
		Diane H. Goncalves, individually and as co-executor of the Edward Lee North Estate	
		Shawn R. Haines, single	
		Jerry R. Haines, II, a married man, dealing with his sole and separate property	
		Tonya Huntoon, a married woman, dealing in her sole and separate property	
		Carlos Saucedo	
		Ezra Charles McDaniel	
		Patrick James Saucedo	

06/10/2022

API WELL NO

47 - 061 - 01900

STATE COUNTY PERMIT

TRACT ID	SURFACE OWNER	LESSOR	PIN
11	CNX Land LLC	Ralph Six, individually Antero Resources Corporation	1-9-17
14	Richard J & Linda Ann Cassone	John Samuel Stewart, a married man acting with his sole and separate property	1-9-18
14	Curtis L & Diana B Thomas	Samuel William Stewart and Barbara C. Stewart, individually and as husband and wife	1-9-18.1 1-9-18.3
14	Zachary R & Jacqueline E Phillips	Merrion Oil and Gas Corporation Hu's Land & Minerals, LLC EQT Production Company Richard J. Cassone and Linda Ann Cassone, husband and wife Harold Creel and Martha Ann Creel, husband and wife James Creel, a married man dealing in his sole and separate property	1-9-18.2
15	Glenn Lowell White & Sharron Ruth White Bartholomew	Elizabeth A. Martineau, a/k/a, Elizabeth Ada Snyder, a/k/a/, Elizabeth Snyder Martineau Rebecca Snyder Bromley, a/k/a Alice Rebecca Snyder Bromley James Brant Snyder Sharon White Bartholomew, a/k/a Sharon R. W. Bartholomew, a/k/a, Sharon Ruth White Bartholomew David T. White and Sarah K. White, h/w Glenn L. White, individually and as trustee of Glenn L. White Alice T. Boone Eldon Bryant Tucker and Brenda Sue Tucker Charles Tucker and Barbara Arpino-Tucker Robert Earl Tucker and Patricia Ruth Tucker David Tucker James Tucker and Flora Siu Tucker Cheryl Molesky Laurence D. Hare James F. Hare III and Christine A. Hare Deborah Horton, Trustee and Beneficiary of the Ronald L. Horton Revocable Living Trust XTO Energy, Inc.	1-9-16

06/10/2022

WW-6A1
(5/13)

Operator's Well No. WDTN19BHSM

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Attached				

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**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: CNX Gas Company LLC
By: Sarah Weisen
Its: Permitting Services Manager

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Attachment - Form WW-6A-1 for WDTN19BHSM						
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
1	1-8-9	205228000	Hugh Kirkland	CNX Gas Company, LLC	Fee	1611/49
			Jack T. Livergood and Mary Jo Livergood	CNX Gas Company, LLC	Fee	1611/52
			Barbara Haning	CNX Gas Company, LLC	Fee	1622/101
			Diane H. Gonclaves, Individually and co-executor of the Edward Lee North Estate	CNX Gas Company, LLC	Fee	1629/420
			Patrick Lee North	CNX Gas Company, LLC	Fee	1629/411
			Melissa Kubishke	CNX Gas Company, LLC	Not less than 1/8	1613/383
			Catherine C. Kirkland	CNX Gas Company, LLC	Not less than 1/8	1613/424
			Louise H. Berg, as Trustee of the The Louise H. Berg Revocable Trust	CNX Gas Company, LLC	Not less than 1/8	1613/419
			Sherry Lemons	CNX Gas Company, LLC	Not less than 1/8	1613/388
			Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	CNX Gas Company, LLC	Not less than 1/8	1613/429
			Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	CNX Gas Company, LLC	Not less than 1/8	1614/660
			Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated 9/2/1998	CNX Gas Company, LLC	Not less than 1/8	1614/654
			Catherine Haning Coleman, f/k/a Catherine G. Haning	CNX Gas Company, LLC	Not less than 1/8	1622/173
			Zachary C. Haning	CNX Gas Company, LLC	Not less than 1/8	1622/209
			Mary Hennen	CNX Gas Company, LLC	Not less than 1/8	1620/155
			A. E. Hennen, III	CNX Gas Company, LLC	Not less than 1/8	1620/166
			Morgan Haning	CNX Gas Company, LLC	Not less than 1/8	1622/168
			Sarah C. Sheridan	CNX Gas Company, LLC	Not less than 1/8	1621/340
			Kathleen Farmer	CNX Gas Company, LLC	Not less than 1/8	1620/160
			Anne W. Haning	CNX Gas Company, LLC	Not less than 1/8	1620/171
			David Michael Hennen	CNX Gas Company, LLC	Not less than 1/8	1620/176
			John K. Hennen	CNX Gas Company, LLC	Not less than 1/8	1621/324
			Robert Douglas Hennen	CNX Gas Company, LLC	Not less than 1/8	1622/183
			Elizabeth L. March	CNX Gas Company, LLC	Not less than 1/8	1613/434
			Three Rivers Royalty, II, LLC	CNX Gas Company, LLC	Not less than 1/8	1616/658
			Deborah Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R. Manning and Robert Manning, w/h	CNX Gas Company, LLC	Not less than 1/8	1627/648
			Kathryn Rew Becker and Michael Compton, w/h	CNX Gas Company, LLC	Not less than 1/8	1625/420
			BOKF, N.A. as Sole Trustee of the Alma Kirkland Revocable Trust	CNX Gas Company, LLC	Not less than 1/8	1631/94
			Gail T. Bellucci	Northeast Natural Energy, LLC	Not less than 1/8	1630/159
			Northeast Natural Energy, LLC	CNX Gas Company, LLC	Assignment	AB 154/99
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
4	1-8-10	189649000	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS	Antero Resources Corporation	Not less than 1/8	1617/342
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	AB 139/186
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
9A	1-8-7	189013000	Three Rivers Royalty II LLC	CNX Gas Company LLC	Not less than 1/8	1616/658
			Elizabeth L. March, widow	CNX Gas Company LLC	Not less than 1/8	1621/345
			Kathryn Rew Becker and Michael Compton, wife and husband	CNX Gas Company LLC	Not less than 1/8	1625/420
			Deborah Rae Manning aka Deborah R. Manning aka Debora R. Manning and Robert Manning, wife and husband	CNX Gas Company LLC	Not less than 1/8	1621/648
			Michelle Artmand and Kevin B. Artman, wife and husband	CNX Gas Company LLC	Not less than 1/8	1652/76
			Cindy Pourbaix, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1652/684
			Gary Lee Stanley, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1651/845
			Edna Green, single	CNX Gas Company LLC	Not less than 1/8	1650/604
			Harriet Smith Leurant, widow	CNX Gas Company LLC	Not less than 1/8	1650/675
			Karen Ilario, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1641/783
			Gayle Brancasio and Rick Brancasio, wife and husband	CNX Gas Company LLC	Not less than 1/8	1653/772
			Audrey Gleske and John Gleske, wife and husband	CNX Gas Company LLC	Not less than 1/8	1653/757
			Barry B. Burnfield and Linda Burnfield, husband and wife	CNX Gas Company LLC	Not less than 1/8	1655/276
			Dorothy Burnfield Ringler	CNX Gas Company LLC	Ratification	1689/452
			Paul Cross Jr., divorced	CNX Gas Company LLC	Not less than 1/8	1656/349
			Tammy King, a married woman, dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1656/348
			Stanley Roscoe Burnfield, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1656/737
			Anna Marie Eddy and Kyle F. Eddy, wife and husband	CNX Gas Company LLC	Not less than 1/8	1659/816
			Shawn R. Moore, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1663/32
			William C. Burnfield, widower	CNX Gas Company LLC	Not less than 1/8	1673/133
			Patricia Dian Wilson and Henry C. Wilson, wife and husband	CNX Gas Company LLC	Not less than 1/8	1683/50
			Melinda Kay Hibbs and Harold E. Hibbs, wife and husband	CNX Gas Company LLC	Not less than 1/8	1680/437
			Stanley C. Moore and Nancy Ella Moore, husband and wife	CNX Gas Company LLC	Not less than 1/8	1680/846
			Patricia Simpson, widow	CNX Gas Company LLC	Not less than 1/8	1681/43
			Judy Lynn Stanley, a single woman	CNX Gas Company LLC	Not less than 1/8	1683/55
			Susan Hennen, a single woman	CNX Gas Company LLC	Not less than 1/8	1685/671
			William F. Reeves, widower	CNX Gas Company LLC	Not less than 1/8	1685/661
			Edgar A. Moore Jr., a single man	CNX Gas Company LLC	Not less than 1/8	1685/666
			Tina Leigh Goodman, a single woman	CNX Gas Company LLC	Not less than 1/8	1685/656
			Crystal Loudin aka Christal Loudin and John A. Loudin, wife and husband	CNX Gas Company LLC	Not less than 1/8	1685/651
			Jackie S. Shriver, divorced	CNX Gas Company LLC	Not less than 1/8	1692/334
			Martha A. Muscavitch aka Peggy Muscavitch, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1692/364
			Nancy J. Cummins, single	CNX Gas Company LLC	Not less than 1/8	1693/74
			Janet E. Dulaney aka Jan Dulaney and Larry D. Dulaney, wife and husband	CNX Gas Company LLC	Not less than 1/8	1692/354
			Roger Stanley and Donna Stanley, husband and wife	CNX Gas Company LLC	Not less than 1/8	1659/503
			Christopher S. Erichsen, divorced	CNX Gas Company LLC	Not less than 1/8	1704/486
			Barbara Acklin Stewart and Kenneth Stewart, wife and husband	CNX Gas Company LLC	Not less than 1/8	1744/51
			Charles F. Acklin and Wanda L. Acklin, husband and wife	CNX Gas Company LLC	Not less than 1/8	1744/804

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Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Timothy J. Acklin, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1744/61
			Stanley D. DeBolt, single	CNX Gas Company LLC	Not less than 1/8	1735/821
			Vance V. DeBolt, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1744/37
			Cheryl Diane Gregerson, Single	CNX Gas Company LLC	Not less than 1/8	1751/634
			Sharon Margevicus, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1752/30
			Gay Byard	CNX Gas Company LLC	Not less than 1/8	1749/840
			Mary Jo White Livengood	CNX Gas Company LLC	Fee	1614/150
			Elaine Grabowski and Charles Andrew Grabowski, wife and husband	CNX Gas Company LLC	Fee	1686/205
			Nanette L. Leurant, an individual, dealing in her sole and separate property	CNX Gas Company LLC	Fee	1686/197
			Michael Burnfield, a single man	CNX Gas Company LLC	Fee	1686/553
			Brian Burnfield, a single man	CNX Gas Company LLC	Fee	1683/209
			Florette Finnegan Burnfield, a widow	CNX Gas Company LLC	Fee	1686/201
			Ruth Mihalec	CNX Gas Company LLC	Cotenancy	147/517
			Arthur Cross	CNX Gas Company LLC	Cotenancy	147/517
			Dan DeBolt	CNX Gas Company LLC	Cotenancy	147/517
			Shannon DeBolt Knapp	CNX Gas Company LLC	Cotenancy	147/517
			Rick Brewer	CNX Gas Company LLC	Cotenancy	147/517
			Lori Tomblin	CNX Gas Company LLC	Cotenancy	147/517
			Kevan Burnfield	CNX Gas Company LLC	Cotenancy	147/517
			Stuart A. Moore	CNX Gas Company LLC	Cotenancy	147/517
			Karen Soto	CNX Gas Company LLC	Cotenancy	147/517
			Mary E. Bush	CNX Gas Company LLC	Cotenancy	147/517
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
9B	1-9-6	189013000	Three Rivers Royalty II LLC	CNX Gas Company LLC	Not less than 1/8	1616/658
			Elizabeth L. March, widow	CNX Gas Company LLC	Not less than 1/8	1621/345
			Kathryn Rew Becker and Michael Compton, wife and husband	CNX Gas Company LLC	Not less than 1/8	1625/420
			Deborah Rae Manning aka Deborah R. Manning aka Debora R. Manning and Robert Manning, wife and husband	CNX Gas Company LLC	Not less than 1/8	1627/648
			Mary Jo White Livengood	CNX Gas Company LLC	Fee	1614/150
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
10	1-9-41 1-9-44	204517000	Regis B. Provance aka Regis V. Provance and Bonnie M. Provance, husband and wife	CNX Gas Company LLC	Not less than 1/8	1652/66
			Brian L. Provance, single	CNX Gas Company LLC	Not less than 1/8	1660/827
			Regis B. Provance II, single	CNX Gas Company LLC	Not less than 1/8	1660/822
			Larry J. Miller, Jr.	CNX Gas Company LLC	Not less than 1/8	1622/163
			Melissa Kubishke, dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1613/383
			Catherine C. Kirkland, a single woman	CNX Gas Company LLC	Not less than 1/8	1613/424
			Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1613/419
			Sherry Lemons, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1613/388
			Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	CNX Gas Company LLC	Not less than 1/8	1613/429
			Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1614/654
			Pamela Jane Brewer, as Trustee of the Pamela Jane Brewer Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1614/660
			Catherine Haning Coleman f.k.a. Catherine G. Haning, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1622/173
			Zachary C. Haning, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1622/209
			Mary Hennen, a single woman	CNX Gas Company LLC	Not less than 1/8	1620/155
			A.E. Hennen, II, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1620/166
			Morgan Haning, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1620/168
			Sarah C. Sheridan, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1621/340
			BOKF, NA, as sole trustee of the Alma Kirkland Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1631/94
			Kathleen Farmer, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1620/160
			Anne W. Haning, single	CNX Gas Company LLC	Not less than 1/8	1620/171
			David Michael Hennen, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1620/176
			John K. Hennen, single	CNX Gas Company LLC	Not less than 1/8	1621/324
			Robert Douglas Hennen	CNX Gas Company LLC	Not less than 1/8	1622/183
			Michelle Woods f.k.a. Michelle Brienne Haines, a married woman dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1666/818
			David B. Haines and Jeanette C. Haines, husband and wife	CNX Gas Company LLC	Not less than 1/8	1622/334
			Jean Banks, a widow	CNX Gas Company LLC	Not less than 1/8	1622/350
			Constance A. Corey f.k.a. Constance Ann Haines and Robert Corey, husband and wife	CNX Gas Company LLC	Not less than 1/8	1622/359
			Rosalie J. Capshaw, widowed	CNX Gas Company LLC	Not less than 1/8	1622/345
			Phillips Ronald Laws and Sarah Laws, husband and wife	CNX Gas Company LLC	Not less than 1/8	1621/319
			Kris Laws Miller and Robin McClary, her wife	CNX Gas Company LLC	Not less than 1/8	1623/273
			Faye B. Sigman f.k.a. Faye Arnold Buckley, herein dealing with her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1625/435
			Glynn Marlon, f.k.a. Glynn Lan, herein dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1622/689
			Barbara Thomas, widow	CNX Gas Company LLC	Not less than 1/8	1622/694
			Raymond Wayne Frye, divorced	CNX Gas Company LLC	Not less than 1/8	1626/748
			William Lee Haines, Jr., dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1625/409
			Lisa Craig, divorced	CNX Gas Company LLC	Not less than 1/8	1623/302
			Kathleen Costner f.k.a. Kathy Figueroe, divorced	CNX Gas Company LLC	Not less than 1/8	1623/343
			Mike E. Macale, single	CNX Gas Company LLC	Not less than 1/8	1628/158
			Mark A. Macale, single	CNX Gas Company LLC	Not less than 1/8	1628/143
			Jerilyn R. Baucum, married herein dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1627/695
			Terri Attinger f.k.a. Terri Devlin and Richard C. Attinger, wife and husband	CNX Gas Company LLC	Not less than 1/8	1627/690

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Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Dorothy A. Hammer, divorced	CNX Gas Company LLC	Not less than 1/8	1623/278
			Jane Fulton f.k.a. Jane Fulton, herein dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1631/69
			Pepe Patrick Jack Miller f.k.a. Pat Miller and Kelly Anne Miller, husband	CNX Gas Company LLC	Not less than 1/8	1631/74
			Julie Ann Griffiths and Gary Griffiths, wife and husband	CNX Gas Company LLC	Not less than 1/8	1639/557
			Three Rivers Royalty, II, LLC	CNX Gas Company, LLC	Not less than 1/8	1616/658
			Gail T. Bellucci	Northeast Natural Energy, LLC	Not less than 1/8	1630/159
			Northeast Natural Energy, LLC	CNX Gas Company, LLC	Assignment	AB 154/99
			Barbara Haring	CNX Gas Company, LLC	Fee	1622/101
			Hugh Kirkland	CNX Gas Company, LLC	Fee	1611/49
			Patrick Lee North, Individually and as co-executor of the Edward Lee North Estate	CNX Gas Company LLC	Fee	1629/411
			Diane H. Goncalves, Individually and as co-executor of the Edward Lee North Estate	CNX Gas Company LLC	Fee	1629/420
			Shawn R. Haines, single	CNX Gas Company LLC	Fee	1638/816
			Jerry R. Haines, II, a married man, dealing with his sole and separate property	CNX Gas Company LLC	Fee	1638/820
			Tonya Huntoon, a married woman, dealing in her sole and separate property	CNX Gas Company LLC	Fee	1638/824
			Carlos Saucedo	CNX Gas Company LLC	Cotenancy	147/513
			Era Charles McDaniel	CNX Gas Company LLC	Cotenancy	147/513
			Patrick James Saucedo	CNX Gas Company LLC	Cotenancy	147/513
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
11	1-9-17	188599000	Ralph Six, Individually Antero Resources Corporation	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	1589/90 AB 133/438 AB 137/387
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
14	1-9-18 1-9-18.1 1-9-18.2 1-9-18.3	188566000	John Samuel Stewart, a married man acting with his sole and separate property Samuel William Stewart and Barbara C. Stewart, Individually and as husband and wife	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1598/227 1587/336
			Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
			Hur's Land & Minerals, LLC	EQT Production Company	Not less than 1/8	1516/270
			EQT Production Company	CNX Gas Company LLC	Assignment	AB 153/774
			Richard J. Cassone and Linda Ann Cassone, husband and wife	CNX Gas Company LLC	Fee	1625/414
			Harold Creel and Martha Ann Creel, husband and wife	CNX Gas Company LLC	Fee	1622/310
			James Creel, a married man dealing in his sole and separate property	CNX Gas Company LLC	Fee	1622/307
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
15	1-9-16	188598000	Elizabeth A. Martineau, a/k/a, Elizabeth Ada Snyder, a/k/a/, Elizabeth Snyder Martineau Rebecca Snyder Bromley, a/k/a Alice Rebecca Snyder Bromley James Brant Snyder Sharon White Bartholomew, a/k/a Sharon R. W. Bartholomew, a/k/a, Sharon Ruth White Bartholomew David T. White and Sarah K. White, h/w Glenn L. White, Individually and as trustee of Glenn L. White Trust Alice T. Boone Eldon Bryant Tucker and Brenda Sue Tucker Charles Tucker and Barbara Arpino-Tucker Robert Earl Tucker and Patricia Ruth Tucker David Tucker James Tucker and Flora Stu Tucker Cheryl Molesky Laurence D. Hare James F. Hare III and Christine A. Hare Deborah Horton, Trustee and Beneficiary of the Ronald L. Horton Revocable Living Trust	CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1521/781 1522/563 1523/111 1529/268 1543/430 1516/48 1599/731 1599/719 1599/690 1602/817 1599/714 1599/725 1599/709 1599/704 1599/699 1612/572
			XTO Energy, Inc.	CNX Gas Company LLC	Fee	1629/449

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06/10/2022



Sarah Weigand
Manager Upstream Permitting
Work: 724-485-3244
Email: SarahWeigand@cnx.com

CNX Center
1000 CONSOL Energy Drive
Canonsburg, PA 15317-6506
724-485-4000
cnx.com

4706101900

April 6, 2022

West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

RE: Road Letter – WDTN19 Well Pad Drilling Applications

To Whom It May Concern:

CNX Gas Company, LLC has the right to drill, stimulate, and produce wells that are drilled under the County and State roads as designated on the plats.

If any further information or correspondence is required, please contact me at (724) 485-3244 or SarahWeigand@cnx.com.

Sincerely,

A handwritten signature in blue ink that reads 'Sarah Weigand'.

Sarah Weigand

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION

Date of Notice Certification: 4/24/22

API No. 47- _____ - _____
Operator's Well No. WDTN19BHSM
Well Pad Name: WDTN19

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>556994.942</u>
County: <u>Monongalia</u>		Northing: <u>4393938.836</u>
District: <u>Batelle</u>	Public Road Access: <u>Wise Run Road/CR 6</u>	
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>CNX</u>	
Watershed: <u>Dunkard Creek</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED <input checked="" type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED
RECEIVED Office of Oil and Gas APR 26 2022 WV Department of Environmental Protection		

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

06/10/2022

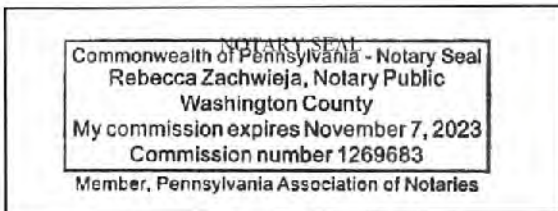
4706101900

Certification of Notice is hereby given:

THEREFORE, I Sarah Weigand, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: CNX Gas Company LLC
By: Sarah Weigand *Sarah Weigand*
Its: Manager Permitting Services
Telephone: 724-485-3244

Address: 1000 CONSOL Energy Drive
Canonsburg, PA 15317
Facsimile: _____
Email: SarahWeigand@cnx.com



Subscribed and sworn before me this 20th day of April, 2022.
Rebecca Zachwieja Notary Public
My Commission Expires November 7, 2023

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 4/10/22 Date Permit Application Filed: 4/26/22

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
Name: CNX Gas Company LLC
Address: 1000 CONSOL Energy Drive
Canonsburg, PA 15317
Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: Barbara S Shriver
Address: 70 Wise Run Road
Wana, WV 26590
Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: see attached
Address: _____
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COAL OPERATOR
Name: _____
Address: _____
WV Department of Environmental Protection

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: see attached
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dnr.wv.gov/oil-and-gas/pages/default.aspx.

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Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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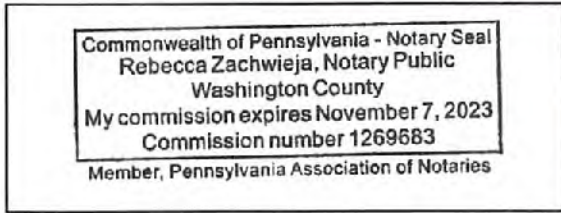
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API NO. 47-
OPERATOR WELL NO. WDTN19BHSM
Well Pad Name: WDTN19

Notice is hereby given by:
Well Operator: Sarah Weigand *Sarah Weigand*
Telephone: 724-485-3244
Email: SarahWeigand@cnx.com

Address: 1000 CONSOL Energy Drive, Canonsburg, PA 15317
Facsimile:

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



Subscribed and sworn before me this 30th day of April, 2022.
Rebecca Zachwieja Notary Public
My Commission Expires November 7, 2023

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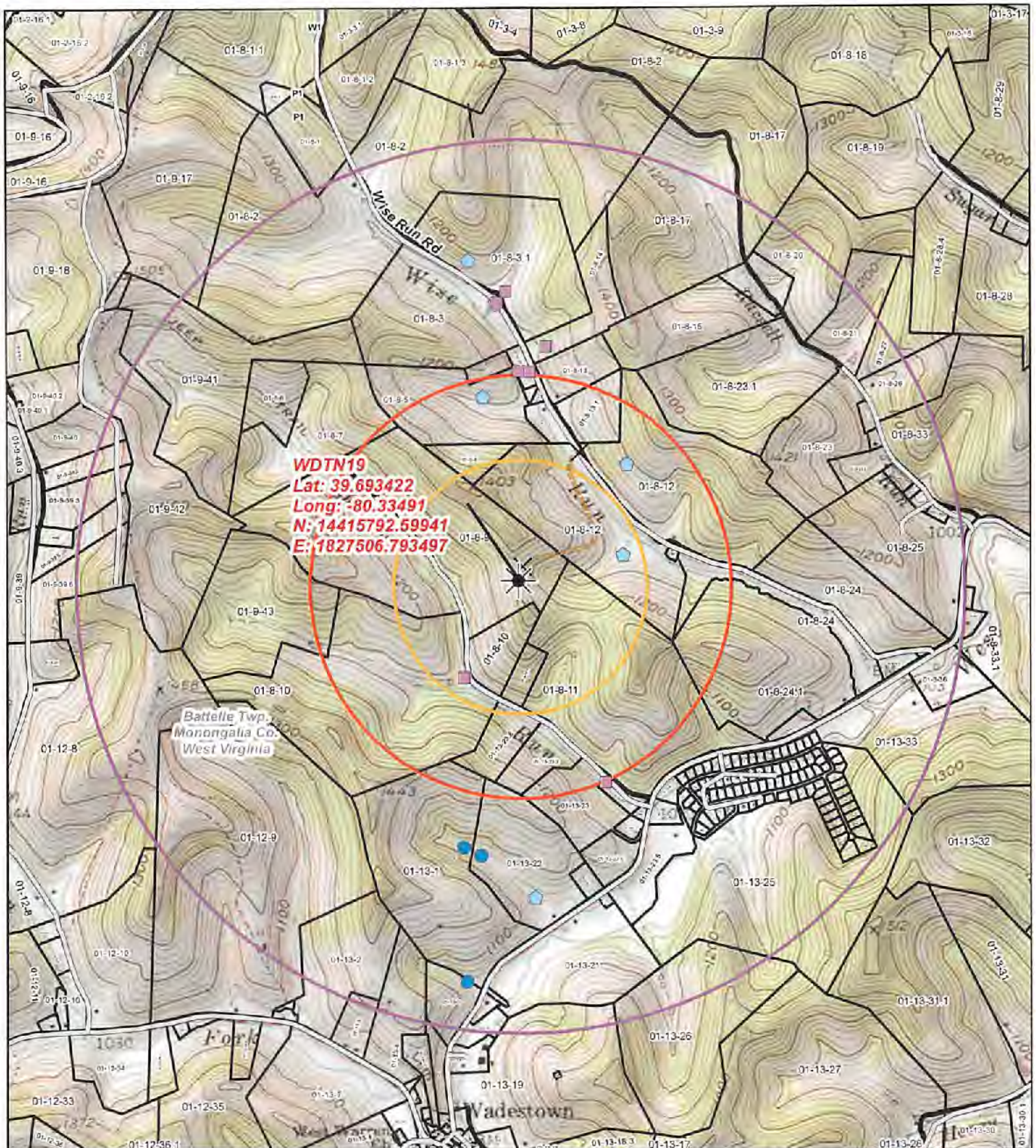
WDTN19BHSM 6A Notices	
Surface Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Surface Owner (Road and/or Other Disturbance)	Address
Barbara S Shriver	70 Wise Run Road Wana, WV 26590
PGH Coal Seam	
Coal Owner	Address
CONSOL RCPC LLC	Attn: Casey Saunders 275 Technology Drive Suite 101 Canonsburg, PA 15317-9565
All Other Coal Seams	
Coal Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Kathryn W. Becker	819 NE 128th Street Seattle, WA 98125
Deborah W. Manning	P.O. Box 895 Plymouth, CA 95669
Elizabeth W. March	P.O. Box 82 Bally, PA 19503
George Cummins Jr.	31 Atisvgi Court Brevard, NC 28712
Water Wells w/in 1500'	
Barbara S Shriver	70 Wise Run Road Wana, WV 26590
Troy David Beckner & Janet Lee Smith (Life- Mary Jane Beckner)	11 Mona Lane Wana, WV 26590

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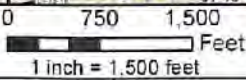
06/10/2022



WDTN19
 Lat: 39.693422
 Long: -80.33491
 N: 14415792.59941
 E: 1827506.793497

Legend

- Wellbore
- Access Points
- Pond
- Spring
- Water Well
- Access Road
- 1 Mile Buffer
- 1,500 Foot Buffer
- 2,500 Foot Buffer
- Surface Parcel



Original Date: 4/6/2022	Prepared By: GIS
Revision Date: 4/8/2022	Approved By: GIS

**WDTN19
Ground Water Map**

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06/10/2022

Path: I:\csg\gis\business_unit_support\gis\mapping\g3\mxd\water_well_map\wtn19_wps\water_well_map.mxd - [6/10/2022]

WDTN19 SURFACE OWNERS 1 MILE OUT

Tax ID	Owner	Address	City	State	Zip Code	Phone
01-8-1	AREHEART HENRY W & LYNDA M	1516 ORCHARD DRIVE	PITTSBURGH	PA	15220	412-561-7795
01-8-5.1	BARR NELSON E & VIRGINIA L	503 WISE RUN RD	WANA	WV	26590	304-662-6567
01-13B-59	BARTLETT JIMMIE JUNIOR & MARCIA LEA	565 HUNTING HILLS	WANA	WV	26590	304-662-6764
01-8-10	BECKNER TROY DAVID & JANET LEE SMITH(LIFE-MARY JAN	11 MONA LN	WANA	WV	26590	304-662-6517
01-9-43	BECKNER TROY DAVID & JANET LEE SMITH(LIFE-MARY JAN	11 MONA LN	WANA	WV	26590	304-662-6517
01-8-2	BENJAMIN M & TERRY A WISE	RUSSELL RUN/WISE RUN RD	WANA	WV	26590	UNKNOWN
01-8-5.2	CARMAN MARGUERITE K	3552 E. WILSON ST.	FARMVILLE	NC	27828	252-341-9045
01-13B-58	CHISLER ROY DALE, TWYLA & CRYSTAL SPEARS	11 FRANK TENNANT RD	BLACKSVILLE	WV	26521	304-662-6488
01-8-6	CNX GAS COMPANY LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-7	CNX GAS COMPANY LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-9	CNX GAS COMPANY LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-33	CNX LAND LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-33.1	CNX LAND LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-9-17	CNX LAND LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-17	CNX MIDSTREAM DEVCO III LP	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-8-20	CNX MIDSTREAM DEVCO III LP	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13-24	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13-25	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13-33	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-1	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-10	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-11	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-12	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-13	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-14	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-15	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-16	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-17	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-18	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-19	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-2	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-20	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-21	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-22	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-23	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-24	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-25	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-26	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-27	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-28	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-29	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-3	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-30	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-31	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-32	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-33	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-34	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-35	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-36	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-37	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-38	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-39	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-4	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-40	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-41	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-42	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-43	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-44	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-45	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-5	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-52	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-53	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-54	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-55	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-56	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-6	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-7	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-72	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-73	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-74	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-75	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-76	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-77	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-78	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-79	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-8	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-80	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-81	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-82	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-83	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-84	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-85	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-86	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-87	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-9	CNX RCPC LLC	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000

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WV Department of
Environmental Protection

06/10/2022

01-13B-49	CONAWAY DAVID F & VALERIE D	245 HUNTING HILLS	WADESTOWN	WV	26590	304-481-3523
01-12-8	CONSOL MINING COMPANY LLC % CNX RESOURCES-PROP TAX	1000 CONSOL ENERGY DRIVE	CANONSBURG	PA	15317	724-485-4000
01-13B-66	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13B-67	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13B-68	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13B-69	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13B-70	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13B-71	CONSOLIDATED GAS TRANSMISSION CORP	925 WHITE OAKS BLVD	BRIDGEPORT	WV	26330	304-592-0515
01-13-23.4	ERVIN A & LORETTA K FORDYCE	208 GARRISON RIDGE RD	NEW FREEPORT	PA	15352	724-447-2595
01-13-5	PEARL VALLEY LLC	11023 MASON DIXON HWY	BURTON	WV	26590	UNKNOWN
01-13B-50	DELANEY BRENT E	110 HUNTING HILLS	WANA	WV	26590	304-662-2601
01-8-23.3	DIERKES DAVID A	127 RUSSELL RUN RD	WANA	WV	26590	304-662-2400
01-8-14	EFAW DONALD A & AMY BETH	497 WISE RUN RD	WANA	WV	26590	724-825-8783
01-8-4	EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	304-662-6451
01-8-5	EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	304-662-6451
01-8-5.3	EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	304-662-6451
01-8-8	EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	304-662-6451
01-9-39.5	FORQUER GARY L & TERESA S	218 BROWN RUN RD	BURTON	WV	26562	304-288-0713
01-13B-57	HARKER ERNEST E & LINDA L	368 HUNTING HILLS	WADESTOWN	WV	26590	229-939-0919
01-13B-51	HARKER WILLIAM E	100 HUNTING HILLS	WADESTOWN	WV	26590	304-282-9332
01-8-25.4	HELMICK RANDY DAVID & SANDRA KAY PRIDE	37 RUSSELL RUN	WANA	WV	26590	304-328-5893
01-9-39.2	HENDERSON DAVID & GAIL AGNES	326 BROWNS RUN	BURTON	WV	26562	304-662-6780
01-13B-60	HOCKENBERRY JOHN R & KATHY J	668 HUNTING HILLS	WADESTOWN	WV	26590	304-662-6561
01-8-16.1	HOLMES LENA DENICE & DONRA JEAN WILLARD	PO BOX 355	BLACKSVILLE	WV	26521	304-282-2512
01-13B-63	HOLMES MITCHELL L & LENA D	968 HUNTING HILLS	FAIRVIEW	WV	26570	304-282-7336
01-13B-48	HUGGINS EDGAR J & BETTY J	358 HUNTING HILLS	FAIRVIEW	WV	26570	229-939-1149
01-13-2	KING JOHN & JO ANN IRREVOCABLE TRUST	10034 MASON DIXON HWY	BURTON	WV	26562	603-867-6377
01-13-4	KING JOHN & JOANN IRREVOCABLE TRUST	10034 MASON DIXON HWY	BURTON	WV	26562	603-867-6377
01-8-21	KIRBY TROY EDWARD & BARBARA ANNE	149 RUSSELL RUN RD	WADESTOWN	WV	26590	304-376-0865
01-8-27	KIRBY TROY EDWARD & BARBARA ANNE	149 RUSSELL RUN RD	WADESTOWN	WV	26590	304-376-0865
01-13B-47	MCDUGAL DONNIE	645 HUNTING HILLS	WADESTOWN	WV	26590	304-662-6531
01-13B-46	MCDUGAL DONNIE L & BARBARA LYNN	645 HUNTING HILLS	WADESTOWN	WV	26590	304-662-6531
01-13-20	MONONGALIA COUNTY COMMISSION	243 HIGH ST.	MORGANTOWN	WV	26505	304-291-7257
01-8-16	MYERS MARK	1634 TYRONE ROAD	MORGANTOWN	WV	26508	UNKNOWN
01-13B-62	NUCE BARBARA J	865 HUNTING HILLS	WADESTOWN	WV	26590	304-662-6306
01-13-3	PARK CLARENCE E & LINDA S	9966 MASON DIXON HWY	BURTON	WV	26562	304-662-6449
01-8-22	PATTERSON SHANE	123 RUSSELL RUN RD	WANA	WV	26590	304-376-2818
01-9-39.3	PATTERSON WILLIAM A & CATHY A	288 BROWNS RUN	BURTON	WV	26562	304-662-6298
01-9-39.6	PRICE CHRISTOPHER	121 MAPLE RIDGE RD	GREENSBORO	PA	15338	919-780-8280
01-9-41	PROVANCE REGIS B, BONNIE M, REGIS B II & BRIAN L	384 PARK ST	UNIONTOWN	PA	15401	724-544-4871
01-8-25.3	RITENOUR ASHLEY D & CECIL	53 RUSSELL RUN RD	WADESTOWN	WV	26590	941-545-8012
01-8-11	RODNEY D & DEBRA J HENRY	200 EAST ST	PROSPERITY	PA	15329	UNKNOWN
01-13B-64	ROSS SUSAN B	1050 HUNTING HILLS	WADESTOWN	WV	26590	304-612-6961
01-13B-61	RUSH DAVID K & PAMELA S	760 HUNTING HILLS	WADESTOWN	WV	26590	304-662-6535
01-8-15	RUSSELL DEWEY & BEATRICE EST C/O JACKIE WILSON	93 RUSSELL RUN RD	WADESTOWN	WV	26590	912-308-5253
01-13-22.1	RUSSELL TIMOTHY E & LYNNANNE	9534 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6328
01-13-22	SAGO DAVID K & RAMONA J	9580 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6265
01-13-1	SANDERS DOUGLAS S & KIMBERLY J	9664 MASON DIXON HWY	WADESTOWN	WV	26590	229-939-0988
01-13-21	SANDERS THOMAS W	9561 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6536
01-13-21.1	SANDERS THOMAS W	9561 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6536
01-13-26	SANDERS THOMAS W	9561 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6536
01-13B-65	NATIONSTAR HECM ACQUISITION TRUST 2019-2	1165 HUNTING HILLS	FAIRVIEW	WV	26590	UNKNOWN
01-8-12	SHRIVER BARBARA S	70 WISE RUN RD	WADESTOWN	WV	26590	304-662-6131
01-8-24	SHRIVER BARBARA S	70 WISE RUN RD	WADESTOWN	WV	26590	304-662-6131
01-8-12.1	SHRIVER BARBARA S & GREGORY L	271 WISE RUN RD	WANA	WV	26590	304-662-6573
01-8-24.3	SHRIVER GREGORY LYNN	WISE RUN RD	WANA	WV	26590	304-662-6573
01-8-24.1	SHRIVER HOWARD A ESTATE C/O BARBARA SHRIVER	70 WISE RUN RD	WADESTOWN	WV	26590	304-662-6131
01-12-9	SIX RALPH	PO BOX 81	WADESTOWN	WV	26562	304-662-6309
01-13-19	STILES CLARK DONLEY	3305 KIM ST	PARKERSBURG	WV	26104	740-485-2622
01-13-6	STILES CLARK DONLEY	3305 KIM ST	PARKERSBURG	WV	26104	740-485-2622
01-8-26	STILLWAGON JOHN PAUL & MARY LOUISE	148 FOX RUN RD APT B	CRANBERRY TWP	PA	16066	724-776-6558
01-8-23.2	SULLIVAN LARRY & KIMBERLY	162 MIRACLE RUN RD	FAIRVIEW	WV	26570	304-662-6523
01-13-23.2	TENNANT BYRON D & BERNICE	182 DUNKARD VALLEY BLVD APT B	CORE	WV	26541	304-376-1950
01-13-23	TENNANT BYRON D & BERNICE E	182 DUNKARD VALLEY BLVD APT B	CORE	WV	26541	304-376-1950
01-13-23.3	TENNANT BYRON D & BERNICE E	182 DUNKARD VALLEY BLVD APT B	CORE	WV	26541	304-376-1950
01-13-23.7	TENNANT BYRON D & BERNICE E	182 DUNKARD VALLEY BLVD APT B	CORE	WV	26541	304-376-1950
01-13-23.1	TENNANT DAVID K & LINDA	9433 MASON DIXON HWY	WANA	WV	26590	304-662-6334
01-13-23.5	TENNANT DAVID K & LINDA L	9433 MASON DIXON HWY	WANA	WV	26590	304-662-6334
01-13-23.6	TENNANT DAVID K & LINDA L	9433 MASON DIXON HWY	WANA	WV	26590	304-662-6334
01-13-23.8	TENNANT DAVID K & LINDA L	9433 MASON DIXON HWY	WANA	WV	26590	304-662-6334
01-8-36	TENNANT MICHAEL	9195 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6870
01-8-11.1	TENNANT MICHAEL D	9195 MASON DIXON HWY	WADESTOWN	WV	26590	304-662-6870
01-9-40	THOMAS ROSE L	416 BROWN RUN RD	BURTON	WV	26562	304-657-0691
01-9-42	THOMAS ROSE L	416 BROWN RUN RD	BURTON	WV	26562	304-657-0691
01-8-3	WAGNER BARBARA C/O ROXIE W LUCAS	320 LINCOLN ST	BECKLEY	WV	25801	304-673-4373
01-8-3.1	WAGNER BARBARA C/O ROXIE W LUCAS	320 LINCOLN ST	BECKLEY	WV	25801	304-673-4373
01-8-24.2	WATSON JAMES A & PAMELA L	9208 MASON DIXON HWY	WADESTOWN	WV	26590	828-817-3119
01-8-13	WHIPKEY JAMES C & KATLYN H CASINO	462 WISE RUN RD	WANA	WV	26590	UNKNOWN
01-8-13.1	WHIPKEY JAMES C & KATLYN H CASINO	462 WISE RUN RD	WANA	WV	26590	UNKNOWN
01-8-34	WHITE BRENT L & COURTNEY R	9071 MASON DIXON HWY	WANA	WV	26590	304-662-6745
01-8-25	WHITE DONALD L & LINDA L	9050 MASON DIXON HWY	WANA	WV	26590	304-906-8945
01-8-25.1	WILSON JACKIE & PEGGY SUE	93 RUSSELL RUN RD	WANA	WV	26590	912-308-5253
01-8-25.2	WILSON JACKIE & PEGGY SUE	93 RUSSELL RUN RD	WANA	WV	26590	912-308-5253
01-8-23	WILSON JACKIE L, LARRY A & SHARON E WILSON LEMLEY	93 RUSSELL RUN RD	WANA	WV	26590	912-308-5253
01-8-23.1	WILSON LARRY, WILSON JACKIE, HOSTUTLER BONNIE R... C/O SHARON LEMLEY	2155 MASON DIXON HWY	MAIDSVILLE	WV	26541	304-879-5625
01-13-21.2	WOLFFPEN KNOB DEVELOPMENT COMPANY	1000 CONSOL ENERGY DRIVE STE 10	CANONSBURG	PA	15317	724-485-4000
01-13-5.1	WOLFFPEN KNOB DEVELOPMENT COMPANY	1000 CONSOL ENERGY DRIVE STE 10	CANONSBURG	PA	15317	724-485-4000

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APR 26 2022

WV Department of
Environmental Protection

06/10/2022

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

Date of Notice: 04/22/2022

Date Permit Application Filed: 04/26/2022

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: CNX GAS COMPANY LLC
Address: 1000 CONSOL ENERGY DRIVE
CANONSBURG, PA 15317

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:


State:	<u>WEST VIRGINIA</u>	UTM NAD 83	Easting:	<u>558994.842</u>
County:	<u>MONONGALIA</u>		Northing:	<u>4393938.836</u>
District:	<u>BATELLE</u>	Public Road Access:	<u>WISE RUN ROAD/ CR6</u>	
Quadrangle:	<u>WADESTOWN</u>	Generally used farm name:	<u>CNX</u>	
Watershed:	<u>DUNKARD CREEK</u>			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: CNX Gas Company LLC
Address: 1000 CONSOL Energy Drive
Canonsburg, PA 15317
Telephone: 724-485-3244
Email: SarahWeigand@cnx.com
Facsimile: _____

Authorized Representative: Sarah Weigand 
Address: 1000 CONSOL Energy Drive
Canonsburg, PA 15317
Telephone: 724-485-3244
Email: SarahWeigand@cnx.com
Facsimile: _____

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 4/22/22 Date Permit Application Filed: 4/20/22

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL RETURN RECEIPT REQUESTED
- HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: CNX Gas Company LLC	Name: _____
Address: 1000 CONSOL Energy Drive Canonsburg, PA 15317	Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia	UTM NAD 83 Easting: 556994.942
County: Monongalia	Northing: 4393938.836
District: Batelle	Public Road Access: Wise Run Road/CR 6
Quadrangle: Wadestown	Generally used farm name: CNX
Watershed: Dunkard Creek	

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: CNX Gas Company LLC	Address: 1000 CONSOL Energy Drive	RECEIVED Office of Oil and Gas
Telephone: 724-485-3244	Canonsburg, PA 15317	APR 26 2022
Email: Sarah.Weigand@cnx.com	Facsimile: _____	

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of
Environmental Protection

4706101900

WDTN19BHSM 6A5 Notices	
Surface Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317

RECEIVED
Office of Oil and Gas

APR 26 2022

WV Department of
Environmental Protection

06/10/2022

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging, and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Sarah Weigand, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>WEST VIRGINIA</u>	UTM NAD 83	Easting:	<u>556994.942</u>	RECEIVED Office of Oil and Gas APR 26 2022
County:	<u>MONONGALIA</u>		Northing:	<u>4393938.836</u>	
District:	<u>BATELLE</u>	Public Road Access:	<u>Wise Run Road/CR 6</u>		
Quadrangle:	<u>WADESTOWN</u>	Generally used farm name:	<u>CNX</u>		
Watershed:	<u>DUNKARD CREEK</u>	WV Department of Environmental Protection			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>CNX GAS COMPANY LLC</u></p> <p>By: <u>Sarah Weigand</u></p> <p>Its: <u>Permitting Services Manager</u></p> <p>Signature: <u>Sarah Weigand</u></p> <p>Date: <u>4/25/2022</u></p>
--	---

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

STATE OF MONTANA
DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

This document is to be completed by the applicant for a permit under the Montana Oil and Gas Act (MONTA) and is to be submitted to the Office of Oil and Gas (OOG) for review. The applicant must complete this document and submit it to the OOG along with the permit application. The OOG will review the document and determine if the applicant has provided sufficient information to support the permit application. If the OOG determines that the applicant has provided sufficient information, the OOG will issue a permit. If the OOG determines that the applicant has not provided sufficient information, the OOG will deny the permit application. The applicant must provide accurate and complete information on this document. The OOG will not be held responsible for any errors or omissions on this document. The applicant must sign and date this document. The OOG will not accept this document if it is not signed and dated by the applicant. The OOG will not accept this document if it is not completed in accordance with the instructions on this document. The OOG will not accept this document if it is not completed in accordance with the instructions on page 1 of this document.

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NAME	ADDRESS	CITY	STATE	ZIP
PHONE	FAX			

The applicant must provide accurate and complete information on this document. The OOG will not be held responsible for any errors or omissions on this document. The applicant must sign and date this document. The OOG will not accept this document if it is not signed and dated by the applicant. The OOG will not accept this document if it is not completed in accordance with the instructions on this document. The OOG will not accept this document if it is not completed in accordance with the instructions on page 1 of this document.

<p>FOR REVIEW BY THE FIELD OFFICE</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>CITY _____</p> <p>STATE _____</p> <p>ZIP _____</p> <p>PHONE _____</p> <p>FAX _____</p> <p>DATE _____</p>	<p>FOR REVIEW BY THE FIELD OFFICE</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>CITY _____</p> <p>STATE _____</p> <p>ZIP _____</p> <p>PHONE _____</p> <p>FAX _____</p> <p>DATE _____</p>
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4706101900

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

D. Alan Reed, P.E.
State Highway Engineer

Jimmy Wriston, P. E.
Secretary of Transportation
Commissioner of Highways

April 5, 2022

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the WDTN19 Pad, Monongalia County
WDTN19BHSM Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2018-0900 which has been issued to CNX Gas Company LLC, for access to the State Road for a well site located off Monongalia County Route 6 SLS MP 0.986.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

RECEIVED
Office of Oil and Gas

APR 26 2022

WV Department of
Environmental Protection

Cc: Becky Zachwieja
CNX Gas Company LLC
CH, OM, D-4
File

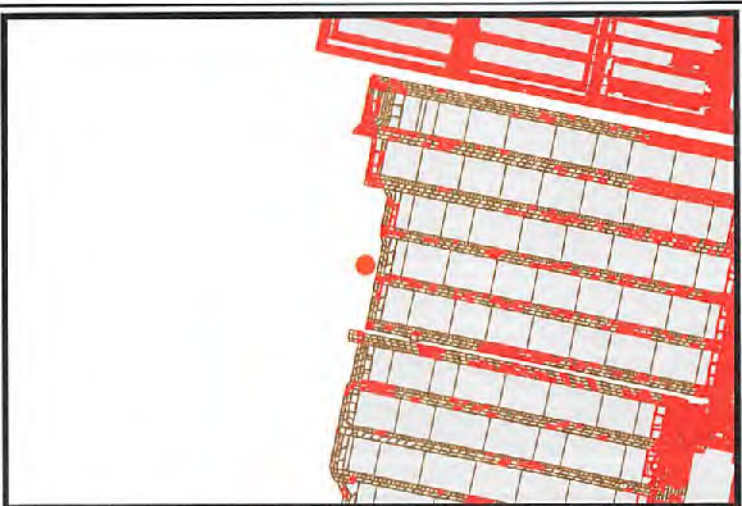
Section V- Proposed Additives to be used in Fracturing or Stimulations

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass) ^{**}
Water	CNX	Carrier/Base Fluid	Water	7732-18-5	100.00%
Sand	HiCrush	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90%
HCL Acid (28%)	CHEMSTREAM	Acidizing	Hydrochloric Acid	7647-01-0	28.00%
ACI-250	CHEMSTREAM	Acid corrosion inhibitor	Methanol	67-56-1	45.00%
	CHEMSTREAM		Trade Secret	Proprietary	15.00%
	CHEMSTREAM		Ethylene glycol	107-21-1	20.00%
	CHEMSTREAM		N,N-Dimethylformamide	68-12-2	10.00%
	CHEMSTREAM		2-Butoxyethanol	111-76-2	5.00%
Citric Acid 50%	CHEMSTREAM	Iron Control Agent	citric acid	77-92-9	50.50%
CoilSTREAM VB 625	CHEMSTREAM	Gelling Agent	Heavy Aliphatic Naphtha	64742-96-7	60.00%
	CHEMSTREAM		Trade Secret	Proprietary	5.00%
	CHEMSTREAM		Trade Secret	Proprietary	3.00%
	CHEMSTREAM		Trade Secret	Proprietary	3.00%
	CHEMSTREAM		Guar Gum	9000-30-0	50.00%
StimSTREAM 9800	CHEMSTREAM	Friction Reducer	Alkanes, C16-20-iso-	90622-59-6	25.00%
	CHEMSTREAM		Butene, homopolymer	9003-29-6	25.00%
	CHEMSTREAM		Ethoxylated alcohols	68213-23-0	3.00%
Clearal 268	CHEMSTREAM	Biocide	Glutaraldehyde	111-30-8	10-20%
	CHEMSTREAM		Didecyl dimethyl ammonium chloride	7173-51-5	3.00%
	CHEMSTREAM		Quaternary Ammonium Compounds	68424-85-1	<3.00%
	CHEMSTREAM		Ethanol	64-17-5	<1.5%
	CHEMSTREAM		Non-hazardous substances	Proprietary	>80
StimStream SC 398	CHEMSTREAM	Scale Inhibitor	Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00%
Ammonium Persulfate	CHEMSTREAM	Breaker	Ammonium Persulfate	7727-54-0	100.00%

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 Office of Oil and Gas
 APR 26 2022
 Department of
 Environmental Protection

4706101900

4706101900



WDTN19BHSM 380 ft

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Office of Oil and Gas
APR 26 2022
WV Department of
Environmental Protection

- Legend**
- Well Location
 - Mine Workings
 - Remaining Coal
 - Mined Out
 - Sealed Mine Area
 - Active Permit

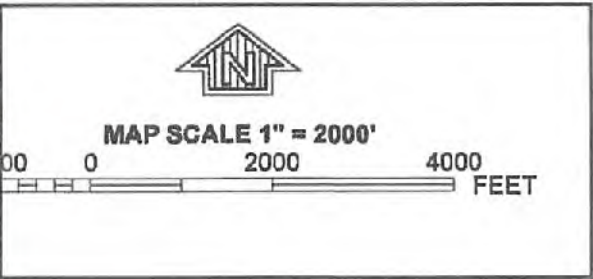
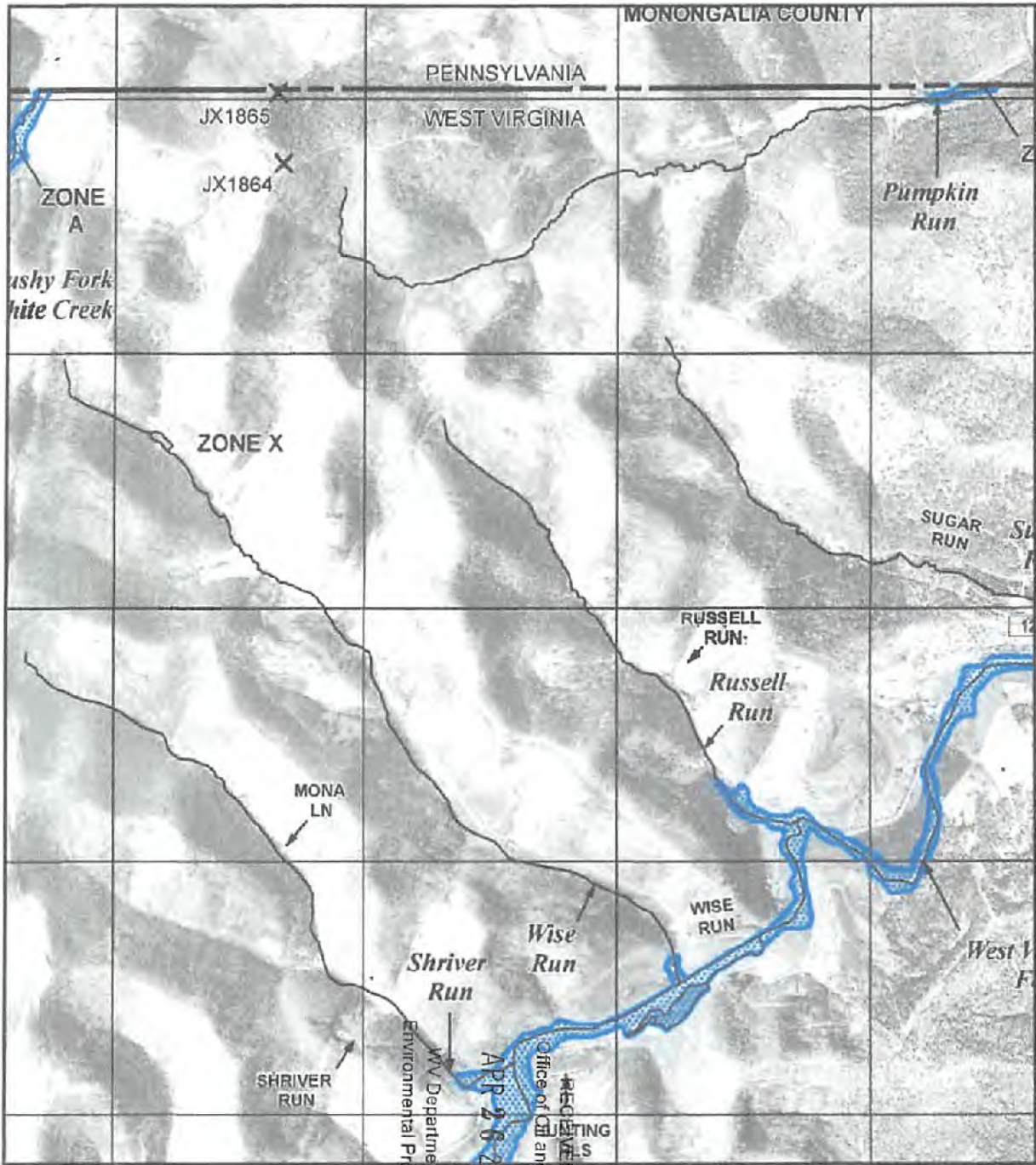


0 25 50 100 200 feet
1 inch = 200 feet

Date: 4/4/2022	Prepared By: GIS
Revisions:	Approved By:

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CNX
WDTN19BHSM
Mine Map
Federal 2
06/10/2022



NFP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0050E

FIRM
FLOOD INSURANCE RATE MAP

**MONONGALIA COUNTY,
 WEST VIRGINIA
 AND INCORPORATED AREAS**

PANEL 50 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MONONGALIA COUNTY	540139	0050	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
54061C0050E

EFFECTIVE DATE
JANUARY 20, 2010

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

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 APR 26 2022
 Office of Oil and Gas
 WV Department of
 Environmental Protection

4706101900



LOCATION MAP
 UGCS - WADESTOWN, WV
 SCALE 1"=2000'



CNX RESOURCES CORPORATION

WADESTOWN 19 WELL PAD

AS-BUILT



LOCATION MAP
 SCALE 1"=2000'



ENTRANCE LOCATION

NAD 83 - LAT: 39° 41' 52.08"; LONG: 80° 19' 56.20"
 NAD 27 - LAT: 39° 41' 51.79"; LONG: 80° 19' 56.92"

BATTELLE DISTRICT,
 MONONGALIA COUNTY, WEST VIRGINIA

DATE: DECEMBER 11, 2019

WVDEP 00G
ACCEPTED AS-BUILT
[Signature] 6/3/2022

SHEET INDEX	
DWG #	DRAWING NAME
1	COVER SHEET
2	PLAN VIEW
3	PLAN VIEW WITH ORTHO
4	ACCESS ROAD PROFILE



Know what's below.
 Call before you dig.



I HEREBY CERTIFY THAT I AM A LICENSED ENGINEER IN THE STATE OF WEST VIRGINIA. THIS AS-BUILT CERTIFIES, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE WELL PAD CONSTRUCTED BY ANDERSON EXCAVATING IN TYLER COUNTY, WV ON BEHALF OF CNX RESOURCES CORPORATION, HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE TO THE PLANS AND SPECIFICATIONS AND, IN MY PROFESSIONAL OPINION, IS IN COMPLIANCE WITH APPLICABLE LAWS, CODES, AND ORDINANCES.

SIGNATURE: *[Signature]* DATE: 12/11/19

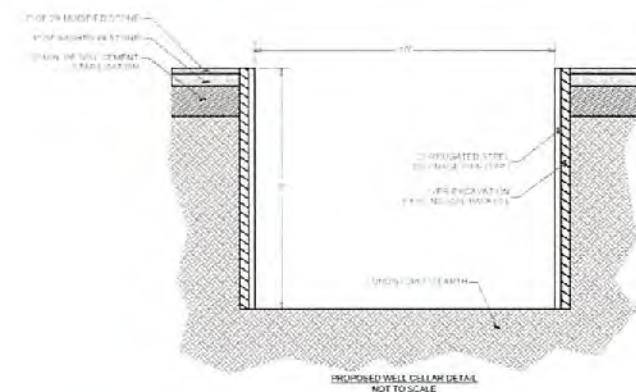
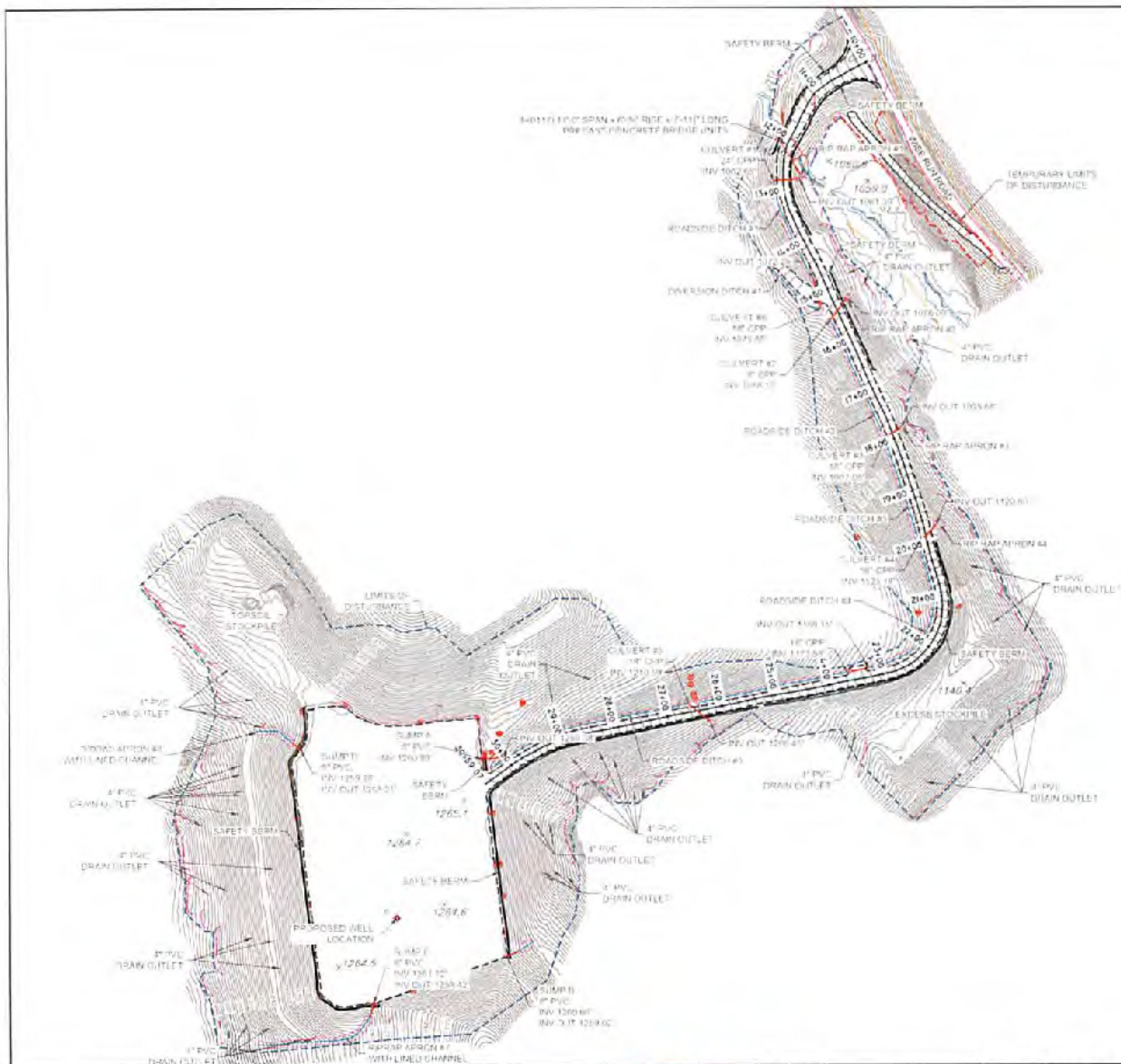


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<small>THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP INC. REPRODUCTION OF THESE DRAWINGS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2014 THE THRASHER GROUP INC.</small>	<table border="1"> <tr><th>NO.</th><th>BY</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	BY	DATE	DESCRIPTION													<p>CNX <small>CNX RESOURCES CORPORATION 1900 CHERRY CREEK DRIVE CAMDEN, PA 15311</small></p>	<table border="1"> <tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	DESCRIPTION										<p>THRASHER <small>10000 PRODUCTION AVENUE SUITE 1000, HUNTSVILLE, AL 35894 WWW.THRASHER.COM</small></p>	<table border="1"> <tr><th>PROJECT NO.</th><td> </td></tr> <tr><th>CONTRACT NO.</th><td> </td></tr> <tr><th>SHEET NO.</th><td> </td></tr> <tr><th>TITLE</th><td> </td></tr> <tr><th>PROJECT NO.</th><td>050-10648</td></tr> </table>	PROJECT NO.		CONTRACT NO.		SHEET NO.		TITLE		PROJECT NO.	050-10648	<p>CNX RESOURCES CORPORATION WADESTOWN 19 SITE PAD AS-BUILT MONONGALIA COUNTY, WEST VIRGINIA COVER SHEET</p>	<p>SHEET NO. 1</p>
	NO.	BY	DATE	DESCRIPTION																																									
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CONTRACT NO.																																													
SHEET NO.																																													
TITLE																																													
PROJECT NO.	050-10648																																												

CHART OF PROPOSED WELL SPOTS AND SILE LOCATION

WELL	SP. #	WELL SPOT		WELL LOCATION	
		SP. #	WELL SPOT	WELL LOCATION	WELL LOCATION
WELL 1	1000.0	1000.0	1000.0	1000.0	1000.0
WELL 2	1000.0	1000.0	1000.0	1000.0	1000.0
WELL 3	1000.0	1000.0	1000.0	1000.0	1000.0



**WVDEP OOG
ACCEPTED AS-BUILT**
[Signature] 6/3/2022

- LEGEND**
- EDGE OF GRAVEL
 - DITCH
 - DFDISK 1/20
 - TRAFFIC HP
 - SALT SCALE
 - COMPOSITE FILTER SOCK
 - POST
 - UTILITY P.O.P
 - HWY RAMP
 - BERM

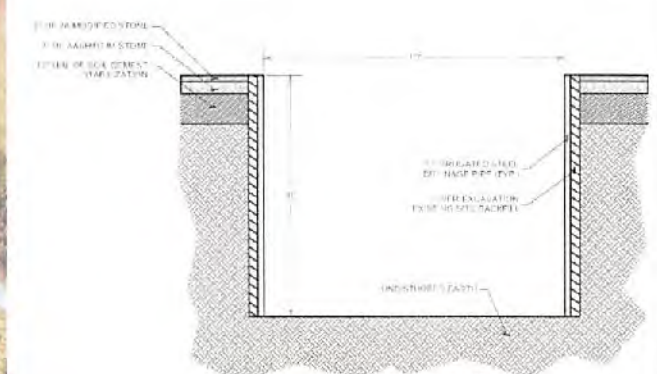


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<p>THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THRASHER GROUP, INC. REPRODUCTION OF ANY DOCUMENTS IN WHOLE OR IN PART, FOR ANY REASON OTHER THAN WRITTEN PERMISSION, IS STRICTLY PROHIBITED. COPYRIGHT © 2019 THE THRASHER GROUP, INC.</p>	<p>CNX CNX RESOURCES CORPORATION AN ENERGY COMPANY</p>	<p>DATE: 10/15/19 DESIGNER: JAC CHECKER: JAC DRAWN BY: JAC SCALE: AS SHOWN PROJECT NO.: 10548</p>	<p>THRASHER 1000 MARKET STREET, SUITE 100 MONROE, LA 70601 WWW.THRASHER.COM</p>	<p>PROJECT NO.: 10548 DRAWING NO.: 10548-01 SCALE: AS SHOWN DATE: 10/15/19</p>	<p>CNX RESOURCES CORPORATION WADESTOWN 19 SITE PAD AS-BUILT MONONGALIA COUNTY, WEST VIRGINIA PLAN VIEW</p>	<p>SHEET NO. 2</p>
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CHART OF PROPOSED WELL SPOTS AND SITE LOCATION

WELL #	WELL DEPTH	WELL TYPE	WELL DIA.	WELL DIA.	WELL DIA.	WELL DIA.
WELL #1	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #2	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #3	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #4	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #5	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #6	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #7	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #8	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #9	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.
WELL #10	100 FT	4" PVC	4" DIA.	4" DIA.	4" DIA.	4" DIA.



**WVDEP OOG
ACCEPTED AS-BUILT**
6/3/2022

LEGEND

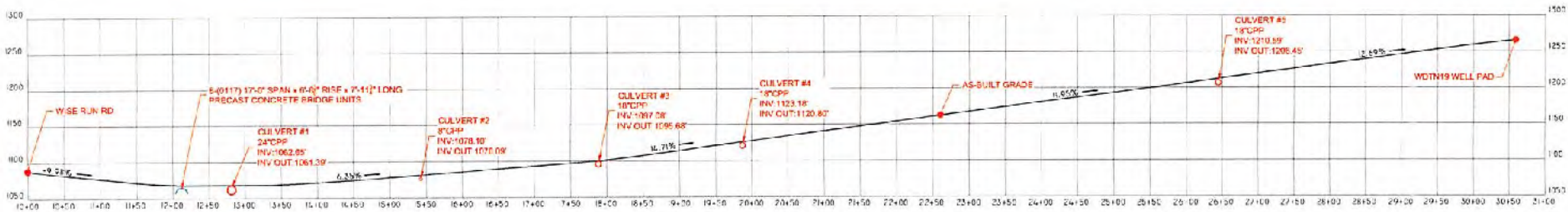
- EDGE OF GRAVEL
- - - DITCH
- - - DESIGN LOD
- - - TREE LINE
- - - SILT SOCK
- - - COMPOSITE FILTER SOCK
- POST
- UTILITY POLE
- RP RAP
- BEEM

NOTE: DRAWING WAS CREATED ON 22x36 PAPER. 1/12 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.



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**WVDEP DOG
ACCEPTED AS-BUILT**
[Signature] 6/3/2022



WADESTOWN 19 ACCESS ROAD PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL

NOTE: DRAWING WAS CREATED ON 22x34 PAPER. I&IT DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

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NO.	REV.	DATE	BY	DESCRIPTION



SCALE: AS SHOWN	DATE: 05/19/19
DRAWN BY: [Name]	CHECKED BY: [Name]
DESIGNED BY: [Name]	DATE: 05/19/19
SURVEY DATE: 3/27/19	
QUANTITY LIST	
FIELD BOOK NO.	



PROJECT NO.	050-10648
CONTRACT NO.	
SUBJECT NO.	

**CNX RESOURCES CORPORATION
WADESTOWN 19 SITE
PAD AS-BUILT
MONGALIA COUNTY, WEST VIRGINIA
ACCESS ROAD PROFILE**

SHEET NO.
4

4706101900

EROSION & SEDIMENT CONTROL PLAN & SITE RESTORATION PLAN

WDTN19 WELL SITE MONONGALIA COUNTY, WEST VIRGINIA FOR



**APPROVED
WVDEP OOG**
10/18/2018

DISTURBANCE BREAKDOWN			
LANDOWNER	DISTURBANCE FROM ACCESS ROAD & STOCKPILES (ACRES)	DISTURBANCE FROM WELL PAD & STOCKPILES (ACRES)	TEMPORARY DISTURBANCE (ACRES)
MICHAEL BERNHART LAWG TRUST 31-01-6-0028-0000	2.2	15.9	0.0
BARBARA SHRYVER 31-01-6-0012-0000	7.0	0.0	0.4



REFERENCES: UNITED STATES GEOLOGICAL SURVEY - WADSTOWN QUADRANGLE - WV 7.5 MINUTE SERIES



PROJECT NO. 1816010
SEPTEMBER 2018



DIEFFENBAUCH & HRITZ

RECEIVED
Office of Oil and Gas
APR 26 2022
WV Department of
Environmental Protection



INDEX	
DRAWING NO.	TITLE
1	TITLE SHEET
2	GENERAL NOTES
3	EXISTING SITE PLAN
4	SOILS PLAN
5	OVERALL SITE PLAN
6-7	PROPOSED SITE PLAN
8	ACCESS ROAD PROFILE
9	ACCESS ROAD CROSS SECTIONS
10	WELL PAD TYPICAL SECTIONS
10A	STOCKPILE CROSS SECTIONS
11	TOP REMOVAL DETAILS
12-14	PAS DETAILS
15	SEED RESTORATION PLAN
16	REVEGETATION PLAN
17	QUANTITY SUMMARY

18000 4/27/2018 8:17:13 AM K:\CNX\WV\wv\1816010\WDTN19\WDTN19-1816010-TITLE SHEET.dwg



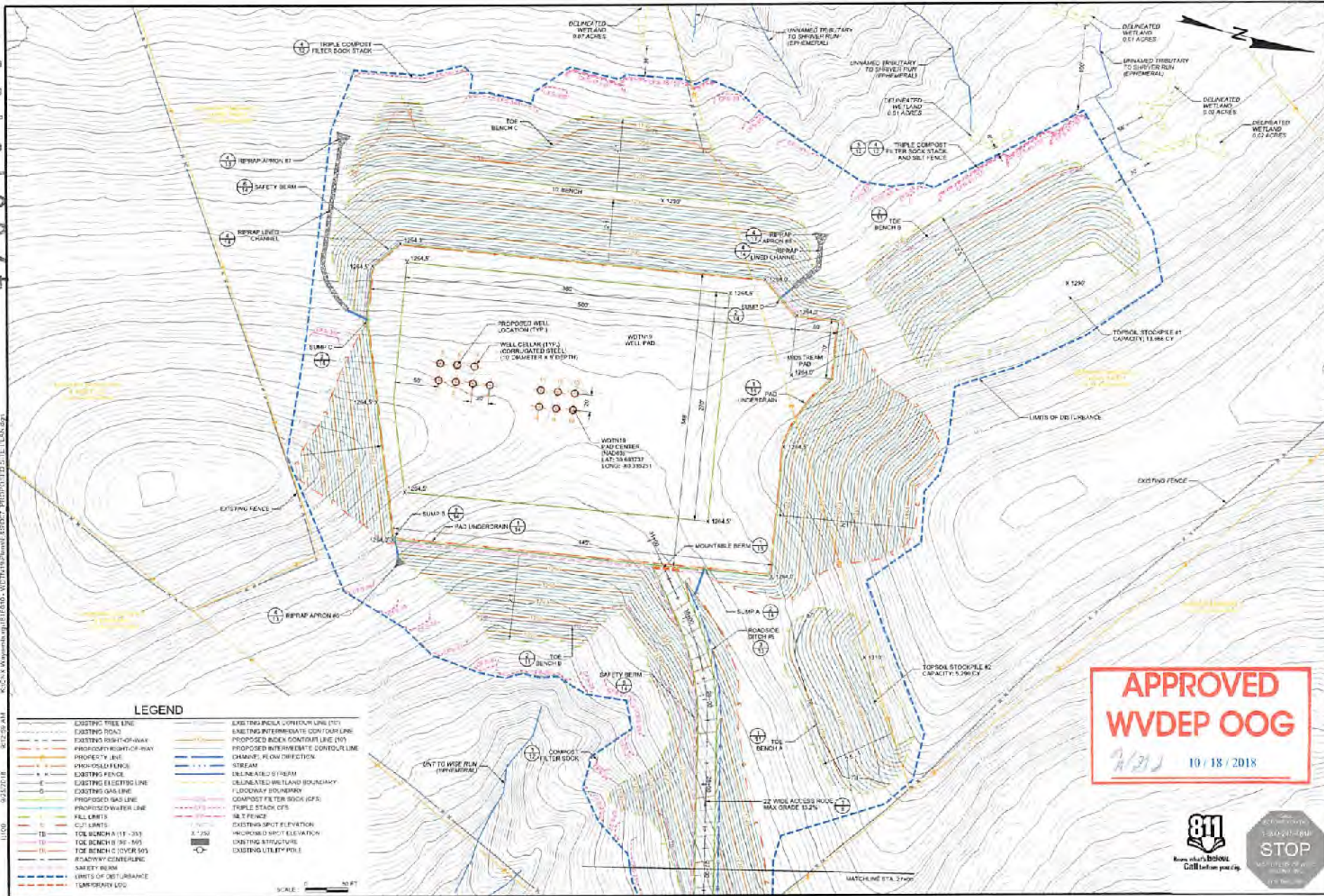
**Kenneth
Greynolds**

Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.Greynolds@wv.gov C = AD O = WVDEP OU = Oil and Gas
Date: 2022.04.14 08:47:23 -0400

WDTN19 WELL SITE
 TITLE SHEET
 1

4706101900

02/22/2018 9:22:40 AM K:\CNX\Wetlands\4706101900\ACT14\Phase\EGS\EGS_Proposed_Site_Plan.dwg



LEGEND

- | | | | |
|-----------|-------------------------|-----------|--|
| - - - - - | EXISTING TREE LINE | - - - - - | EXISTING INTERMEDIATE CONTOUR LINE (10') |
| - - - - - | EXISTING RIGHT-OF-WAY | - - - - - | PROPOSED BENCH CONTOUR LINE (10') |
| - - - - - | PROPOSED RIGHT-OF-WAY | - - - - - | PROPOSED INTERMEDIATE CONTOUR LINE |
| - - - - - | PROPERTY LINE | - - - - - | CHANGE FLOW DIRECTION |
| - - - - - | PROPOSED FENCE | - - - - - | STREAM |
| - - - - - | EXISTING FENCE | - - - - - | UNLINED STREAM |
| - - - - - | EXISTING ELECTRIC LINE | - - - - - | DELINEATED WETLAND BOUNDARY |
| - - - - - | EXISTING GAS LINE | - - - - - | FLOODWAY BOUNDARY |
| - - - - - | PROPOSED GAS LINE | - - - - - | COMPOST FILTER BOOK (CFS) |
| - - - - - | PROPOSED WATER LINE | - - - - - | TRIPLE STACK CFS |
| - - - - - | FILL LIMITS | - - - - - | 3 FT FENCE |
| - - - - - | CUT LIMITS | - - - - - | EXISTING SPOT ELEVATION |
| - - - - - | TOE BENCH A (11' - 35') | - - - - - | PROPOSED SPOT ELEVATION |
| - - - - - | TOE BENCH B (36' - 50') | - - - - - | EXISTING STRUCTURE |
| - - - - - | TOE BENCH C (OVER 50') | - - - - - | EXISTING UTILITY POLE |
| - - - - - | ROADWAY CENTERLINE | | |
| - - - - - | SAFETY BERM | | |
| - - - - - | LIMITS OF DISTURBANCE | | |
| - - - - - | TEMPORARY LOG | | |

APPROVED
WVDEP OOG
9/21/18 10/18/2018



PROJECT NO. 4706101900
 DATE 02/22/2018
 DRAWN BY JLM/JML
 CHECKED BY JLM/JML
 HELP CONTACT JLM/JML
 SET 2/18/18
 DATE 02/22/2018
 PROJECT NO. 4706101900

DIFFENBAUGH & HIRTZ, LLC
 1000 W. MARKET STREET, SUITE 200
 PITTSBURGH, PA 15222
 P: 412.261.2000 F: 412.261.2007

CNX

PROJECT: WOTNIS WELL SITE
 SHEET: PROPOSED SITE PLAN
 OF: 7