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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, November 30, 2022

WELL WORK PERMIT  
Horizontal 6A / New Drill

CNX GAS COMPANY LLC  
1000 HORIZON VUE DR.  
CANONSBURG, PA 15370

Re: Permit approval for WDTN18UHSM  
47-061-01916-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the text. The signature is stylized and cursive.

Operator's Well Number: WDTN18UHSM  
Farm Name: CONSOL MINING COMPANY  
U.S. WELL NUMBER: 47-061-01916-00-00  
Horizontal 6A New Drill  
Date Issued: 11/30/2022

Promoting a healthy environment.

12/02/2022

# PERMIT CONDITIONS 4706101916

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

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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.
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.

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: WDTN18UHSM Well Pad Name: WDTN18

3) Farm Name/Surface Owner: CONSOL Mining Co. LLC Public Road Access: Camp Run Road CR 4

4) Elevation, current ground: 1215' Elevation, proposed post-construction: 1199'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_

Horizontal  \_\_\_\_\_

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6) Existing Pad: Yes or No No

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7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Target formation is Marcellus Shale @ 7815' - 7865'TVD, 50' thick, expected formation pressure ~4600 psi

8) Proposed Total Vertical Depth: 7848'TVD at TD, depending on formation dip

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

10) Proposed Total Measured Depth: 25,891' MD at TD

11) Proposed Horizontal Leg Length: 17,128'

12) Approximate Fresh Water Strata Depths: 259', 243', 325', 399'

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

14) Approximate Saltwater Depths: 2,414', 2,444', 3,074', 3,289'

15) Approximate Coal Seam Depths: 643'-647', 901'-907', 989'-995', 996'-1003'

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: \_\_\_\_\_

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	129	100	96 / CTS
Fresh Water	13.375	New	J-55	54.5	1,070	1,041	960 / CTS
Coal	13.375	New	J-55	54.5	1,070	1,041	960 / CTS
Intermediate	9.625	New	J-55	36	2,960	2,931	1,025 / CTS
Production	5.5	New	P-110	23	25,891	22,870	4,735 / TOC @ 1,550'
Tubing	2.375	New	J-55	4.7	Above assumes RF-29'	TBD	N/A
Liners	NA						

*Handwritten:* 4/21/22 JG KE 11/28/22

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							

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Kind:	N/A			WV Department of Environmental Protection
Sizes:				
Depths Set:				

WW-6B  
(10/14)

4706101916  
API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. WDTN18UHSM  
Well Pad Name: WDTN18

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19) Describe proposed well work, including ~~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 SOBM. 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): 28.06

22) Area to be disturbed for well pad only, less access road (acres): 24.6

23) Describe centralizer placement for each casing string:

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% CaCl<sub>2</sub> and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl<sub>2</sub> 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:

Fresh water/coal string: Class A cement with 1%-3% CaCl<sub>2</sub> and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl<sub>2</sub> 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.

\*Note: Attach additional sheets as needed.

## WDTN18 Pad Area of Review

In accordance with WVDEP 35CSR8 Section 5.11, all known shallow oil and gas (SOG) wells have been identified within a 500' radius of the WDTN18 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, Status, Formation at TD, Total Depth, and Lat/Long (see Figures 3 and 6).

The Marcellus Shale of the Wadestown area is found at an approximate True Vertical Depth (TVD) of 8000'. In the Wadestown area, there were very few wells that produced from formations deeper than the Bayard Sand (approximately 3600'). With that being said, there are **no known vertical wells that reach a total depth within 1500 vertical feet of the Marcellus Shale**. 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 WDTN18 Pad.

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 not developed in the Wadestown. Geomechanical data is collected from dipole sonic logs. CNX's nearest sonic data is from the NV20CCV well (Figure 4), approximately 21.4 miles north of the WDTN18 pad. Frac modeling (Figure 5) of the Marcellus in the area does not show significant upward frac growth.

There are no known CNX Marcellus lateral wells that lie within 500' of the proposed WDTN18 wells. If any CNX Marcellus wells existed within 500' of the WDTN18 laterals, we would monitor and utilize the Production Control Room (PCR) to set up alarms via CygNet for any abrupt casing pressure or water rate changes. Those variances are outlined below. If the CNX PCR receives an alarm, the process is to notify the production foreman and production engineer responsible for the pad so that they can analyze if a frac hit is imminent, or if the alarm is of little to no concern. Should a communication event occur that triggers PA DEP notification requirements, CNX will follow the technical guidance provided in *Guidelines for Implementing Area of Review (AOR) Regulatory Requirement for Unconventional Wells* (800-0810-001) regarding Incident Reporting and Resolution.

- 20% positive or negative rate of change for hourly water log period
- 10% positive or negative rate of change for casing pressure over a period of 30 minutes

There are no 3<sup>rd</sup> Party Marcellus lateral wells that lie within 500' of the proposed WDTN18 wells.

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**Figure 1.** Zero 3<sup>rd</sup> Party Marcellus wells lie within a 500' buffer around the proposed WDTN18 laterals, producing from the Marcellus Shale, shown below.

Well Name/API	Formation	Operator	Orientation	Within Zone of Influence	TVD Depth (ft)

**Figure 2.** Zero CNX wells producing from formations within 1500' above or below the Marcellus Shale and within 500' of proposed WDTN18 laterals.

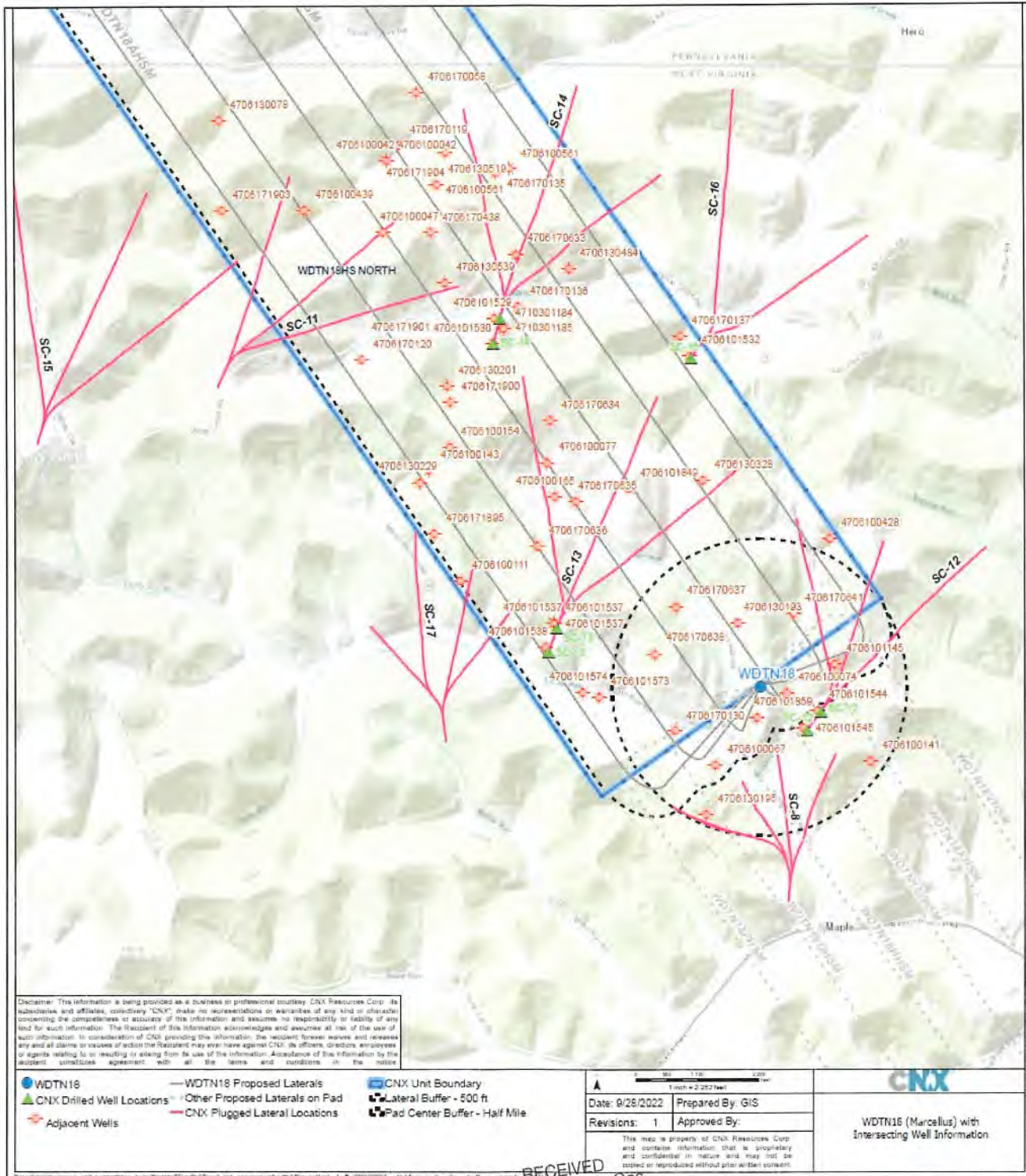
Well Name/API	Formation	Operator	Orientation	Within Zone of Influence	TVD Depth (ft)

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WDTN18 Pad AOR / SOG Review

Thursday, September 29, 2022

Figure 3. 18 wells lie within a 500' buffer around the WDTN18 Pad that penetrate the Big Injun Sand or deeper horizons (highlighted green in the table on page 6). The deepest well is 3740' and produces from the Bayard Sand. No known SOG Communication events have occurred in this area. The pink horizontal wells in the figure below are Pittsburgh Coal seam horizontal laterals.

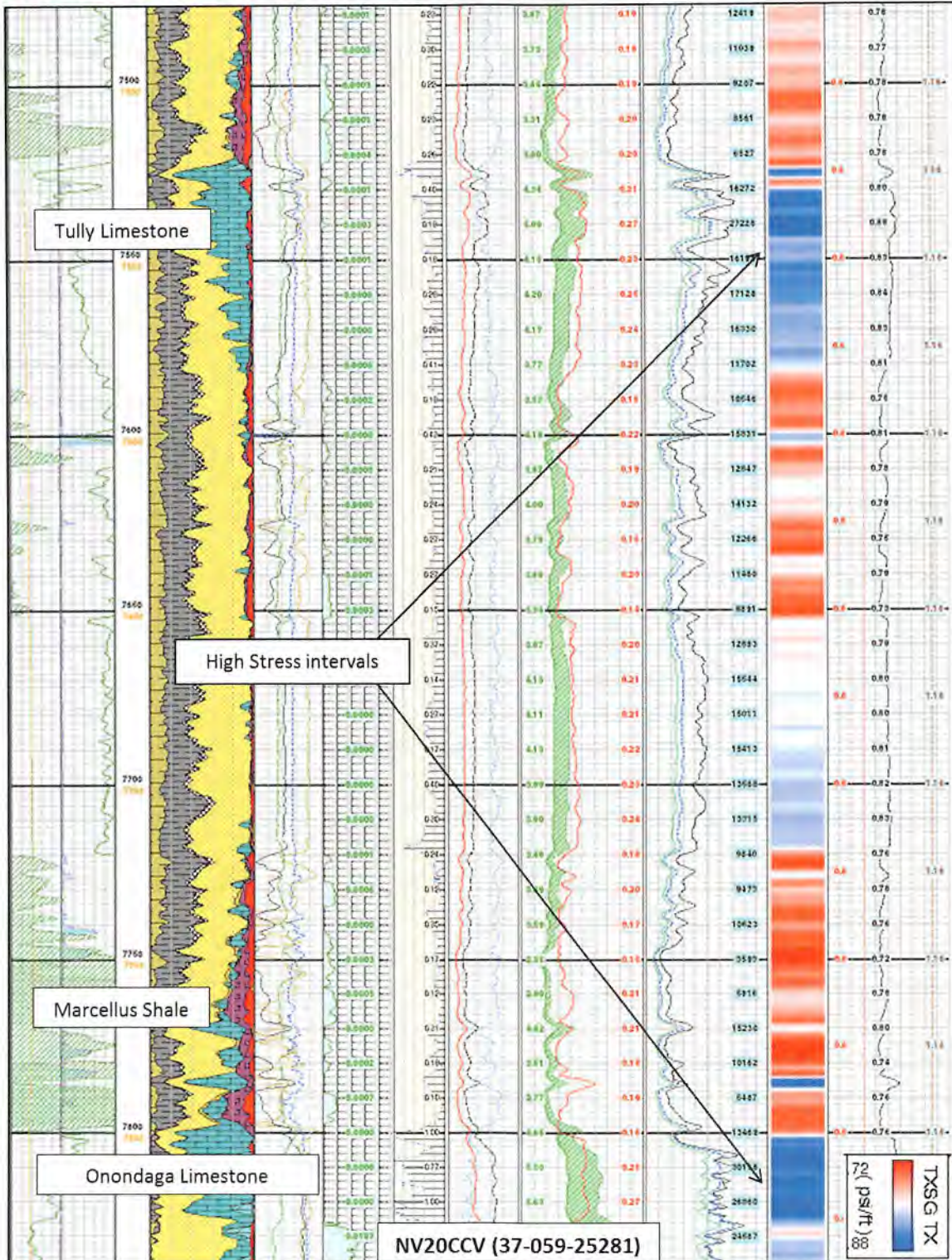


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Figure 4. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the Wadestown Area Stress Profile log.

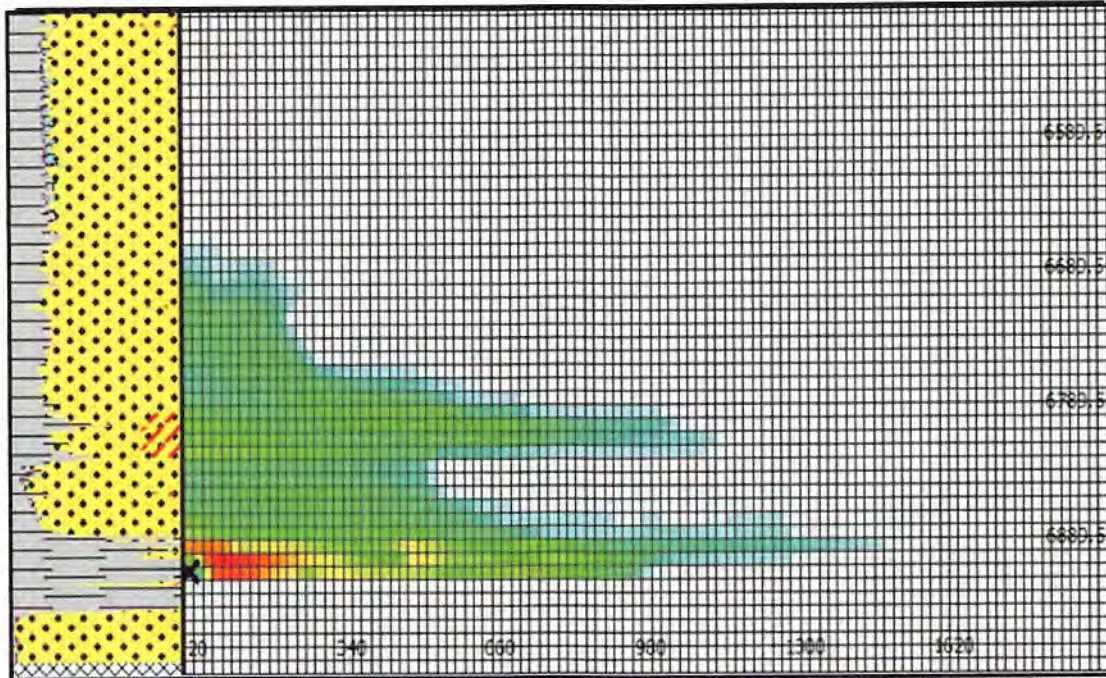
### Wadestown Area Stress Profile Log



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Figure 5. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the Oxford area of western Doddridge County, where the Hamilton and Tully are much thinner than Wadestown. Frac modeling predicts frac height of approximately 300'.



Frac Simulation of the Oxford area, Doddridge County, WV. Model of 300 stage spacing yields frac height of 260 feet. Tully Limestone (~25'), Tully-Hamilton (~55'), Marcellus-Alexander (1500')

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Figure 6. 58 wells lie within the 500' buffer of the entire WDTN18 Pad. With the data available, only 18 of them can be verified to penetrate the Big Injun Sand or deeper stratigraphy (green). 37 wells have no Formation or TD information available (status highlighted pink). Completion reports are not available for these on the WVGES website.

API Number	Well Name	Current Operator	Fluid Type	Prof	Completion Formatio	Current Statu	Total Depth	Latitude - WGS84	Longitude - WGS84
47061001410000	SHRIVER, CHARLES F. 1-3632	A V COMPANY	WATER	V	BAYARD	P & A	3740	39.687472	-80.351244
47061305390000	W FRANK TAYLOR	B GUY & A G PATTERSON	GAS	U	FIFTH	INACTIVE	2680	39.710639	-80.378553
47061302290000	E C CLOVIS	PITTSBURGH & WV GAS	GAS	U	BIG INJUN (PRICE&EQ)	INACTIVE	3576	39.700874	-80.380055
47061701200000	JAMES L WHITE	(N/A)	UNKNOWN	U		INACTIVE	3520	39.708819	-80.353831
47061002690000	GILMORE, ELIZABETH, ETUX 1	BIG SAND DRILLING/BIG SANDY GAS	GAS	V	BAYARD	P & A	3501	39.711683	-80.394039
47061011450000	HAINES, E.	A V COMPANY	GAS	V	FIFTH	P & A	3471	39.692173	-80.353559
47061303740000	LUCINDA SIX	CLOVIS ROY W	GAS	U	BAYARD	INACTIVE	3465	39.706579	-80.359601
47061001110000	C E HENNEN	PITTSBURGH & WV GAS	GAS	V	BAYARD	P & A	3453	39.698078	-80.377426
47061304840000	J H STILES	AM SNIDER	GAS	U	BAYARD	INACTIVE	3448	39.711364	-80.370688
47061000740000	TENNANT, LEMLEY S266	(N/A)	GAS	V	THIRTY-FOOT	P & A	3385	39.690707	-80.356592
47061000470000	WHITE, JAMES L Z	(N/A)	UNKNOWN	V		P & A	3371	39.713071	-80.362494
47061300780000	MRS S R COX	WALKER/CONKLIN/MINTR	WATER	U	1ST SALT SAND	INACTIVE	3363	39.71847	-80.393011
47061000170000	CLOVIS, EVA H. 1	PILLAR ENERGY LLC	UNKNOWN	V		P & A	3362	39.692305	-80.375826
47061305190000	S E KIMBLE	NELSON M RICHARDS	GAS	U	FIFTY-FOOT	INACTIVE	3260	39.715424	-80.379117
47061000420000	SIX, D.A. 1	OPER IN MIN.OWNER FLD,NO CODE AS	UNKNOWN	V	PITTSBURGH COAL	P & A	3195	39.716554	-80.382306
47061000420000	SIX, D.A. 1	OPER IN MIN.OWNER FLD,NO CODE AS	UNKNOWN	V	PITTSBURGH COAL	P & A	3195	39.716554	-80.382306
47061000670000	M.L. SHRIVER ESTATE 1-2610	(N/A)	GAS	V	BIG INJUN (PRICE&EQ)	P & A	3186	39.687224	-80.361097
47061701190000	ELI WHITE	GIBSON & GILES	UNKNOWN	U		INACTIVE	2890	39.717309	-80.381557
47061001540000	CLOVIS, E. C. - HEIRS 2	OPER IN MIN.OWNER FLD,NO CODE AS	DRY HOLE	V	PITTSBURGH COAL	P & A	1630	39.702609	-80.378177
47061001430000	E C CLOVIS HEIRS	OPER IN MIN.OWNER FLD,NO CODE AS	GAS	V	PITTSBURGH COAL	P & A	1464	39.701449	-80.379491
47061001650000	HENNEN, ALEX - HEIRS 1	OPER IN MIN.OWNER FLD,NO CODE AS	DRY HOLE	V	SEWICKLEY COAL	P & A	920	39.700238	-80.371501
47061000770000	ALEX HENNEN	PITTSBURGH & WV GAS	DRY HOLE	V		P & A		39.701883	-80.371981
47061004280000	SHRIVER, S114	PILLAR ENERGY LLC	GAS	V		ACTIVE		39.698254	-80.353963
47061004370000	CLOVIS, S390	PILLAR ENERGY LLC	GAS	V		ACTIVE		39.698981	-80.381931
47061004390000	OLA SIX	EQUITRANS MIDSTREAM	UNKNOWN	V		P & A		39.714087	-80.387561
47061005810000	HEINEN	EGT	GAS	V		P & A		39.7162	-80.374489
47061005810000	HEINEN	EGT	GAS	V		P & A		39.7162	-80.374489
47061015160000	INDIGO 3	INDIGO ENERGY	UNKNOWN	V		P & A		39.720908	-80.401638
47061301930000		PITTSBURGH & WV GAS	GAS	U	BAYARD	INACTIVE		39.694108	-80.359785
47061301950000	MAHLON TENNANT HEIRS	MANUFACTURERS LIGHT & HEAT CO	GAS	U	BAYARD	INACTIVE		39.684778	-80.361658
47061302016000	CHAS WHITE	PITTSBURGH & WV GAS	UNKNOWN	U		INACTIVE		39.705564	-80.378574
47061302220000	E C CLOVIS	PITTSBURGH & WV GAS	GAS	U	BAYARD	INACTIVE		39.703049	-80.385687
47061303280000	LAURA B TENNANT	MANUFACTURERS LIGHT & HEAT CO	GAS	U	BAYARD	INACTIVE		39.701069	-80.36204
47061304750000	FRED HENNEN	CARNEGIE NATURAL GAS CO	GAS	U	GORDON STRAY	INACTIVE		39.719919	-80.373313
47061304750000	FRED HENNEN	CARNEGIE NATURAL GAS CO	GAS	U	GORDON STRAY	INACTIVE		39.719919	-80.373313
47061700580000	R V HENNEN/TAYLOR	BP	UNKNOWN	U	FIFTH	INACTIVE		39.719882	-80.380420
47061701305000		OPER IN MIN.OWNER FLD,NO CODE AS	UNKNOWN	U	FIFTH	INACTIVE		39.688838	-80.363724
47061701350000	F H HENNEN	CARNEGIE NATURAL GAS CO	UNKNOWN	U		INACTIVE		39.716004	-80.375361
47061701360000	JOHN G WHITE	CARNEGIE NATURAL GAS CO	UNKNOWN	U		INACTIVE		39.709479	-80.373871
47061701370000	SIMON L WHITE	PHILADELPHIA COMPANY, THE	UNKNOWN	U		INACTIVE		39.708124	-80.363544
47061701570000	HENRY W HAINES	(N/A)	UNKNOWN	U		INACTIVE		39.693478	-80.348335
47061701610000	ELIJAH C CLOVIS	MANUFACTURERS LIGHT & HEAT CO	UNKNOWN	U		INACTIVE		39.700584	-80.381932
47061704380000	S E KIMBLE	(N/A)	UNKNOWN	U		INACTIVE		39.71307	-80.37949
47061706330000	J G WHITE	BP	UNKNOWN	U		INACTIVE		39.712055	-80.374044
47061706340000	L A STILES	(N/A)	UNKNOWN	U		INACTIVE		39.703915	-80.371794
47061706350000	ALEX HENNAN	CLOVIS	UNKNOWN	U		INACTIVE		39.699986	-80.370104
47061706360000	L HENNEN	(N/A)	UNKNOWN	U		INACTIVE		39.697819	-80.372544
47061706370000	MAHLON TENNANT	(N/A)	UNKNOWN	U		INACTIVE		39.694917	-80.363723
47061706380000	ROBERT CLOVIS	PHILADELPHIA OIL CO	UNKNOWN	U		INACTIVE		39.692594	-80.365037
47061706410000	S S WHITE	PHILADELPHIA OIL CO	UNKNOWN	U		INACTIVE		39.694626	-80.356218
47061718960000	ALEX HENNEN	(N/A)	UNKNOWN	U		INACTIVE		39.6984	-80.379115
47061718960000	ALEX HENNEN	CLOVIS	UNKNOWN	U		INACTIVE		39.69611	-80.380804
47061719000000	CHARLES WHITE	BP	UNKNOWN	U		INACTIVE		39.704788	-80.378177
47061719010000	R PETHLE	(N/A)	UNKNOWN	U		INACTIVE		39.707689	-80.382494
47061719030000	ELIZABETH GILMORE	(N/A)	UNKNOWN	U		INACTIVE		39.714088	-80.392816
47061719040000	S E KIMBLE	(N/A)	UNKNOWN	U		INACTIVE		39.716989	-80.378552
47103011840000	SANTEE HEIRS 4	J A & M OIL & GAS COMPANY	UNKNOWN	V	MAXTON	P & A		39.708413	-80.374798
47103011850000	SANTEE HEIRS 6	J A & M OIL & GAS COMPANY	GAS	V	MAXTON	P & A		39.708413	-80.374798

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## WDTN18 Cement Additives

Fresh water/coal string: Class A cement with 1%-3% CaCl<sub>2</sub> and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl<sub>2</sub> 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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**DRILLING WELL PLAN**  
**WDTN-18U-HSM (Marcellus HZ)**  
**Marcellus Shale Horizontal**  
**Monongalia County, WV**

**WDTN-18U-HSM SHL**

**N 434981.0966, E 1758420.8357 (NAD27)**

**Ground Elevation**

**1199' GL Elevation**

**WDTN-18U-HSM LP**

**N 436405.3411, E 1760034.7775 (NAD27)**

**Azimuth**

**325°**

**WDTN-18U-HSM BHL**

**N 450434.8955, E 1750211.1777 (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		566					
			Pittsburgh Coal (Solid)		995					
			FW/Coal Casing	1,070	1,070					
	12-1/4"	9-5/8" 36.0# J-55 LTC	Upper Freeport Coal		1,579	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		1,620					
			Middle Kittanning Coal		1,743					
			Big Lime		2,354					
			Keener Sand		2,414					
			Big Injun Sand		2,444					
			Price Formation		2,625					
	Intermediate Casing	2,960	2,960							
	8-3/4" Tangent	5-1/2" 20.0# P-110 VAR	50 Foot		3,014	AIR	15.0 ppg Class A 50:50 Poz with additives (retarder, suspension agent, gas block, defoamer, fluid loss, extender, etc.)	Centralize every joint from shoe to KOP - TOC	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up)	Note: For all strings, actual centralizer placements may be changed due to hole conditions
			Gordon		3,074					
			Fifth		3,239					
			Bayard		3,286					
			Elks		5,224					
			Rhinestreet		7,341					
Cashaqua				7,672						
Burkett				7,616						
Tully				7,679						
Hamilton				7,679						
8-1/2" Curve & Lateral		Marcellus		7,815	12.0-12.5 ppg SOBMs	10% OH Excess Yield = 1.07  TOC @ >= 200' above 9-5/8" shoe	Single-piece/rigid bow centralizers	Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement	Note: For all strings, actual cement blends may vary slightly depending upon service company utilized	
		Production Casing	25,891	7,848						

LP @ +/- 7848' TVD

8-3/4" x 8-1/2" Hole - Cemented Long String  
5-1/2" 20.0# P-110 VAR

+/- 17128' Lateral

TD @ +/- 25891' TVD

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WW-9  
(4/16)

API Number 47 - \_\_\_\_\_  
Operator's Well No. WDTN18UHSM

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 release.

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical: air from spot surface to cover kick-off point (KOP). Horizontal: mudstone oil based used (HOB) from curve to lateral to

-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? see attached list.

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 Permitting Services Manager

Subscribed and sworn before me this 17<sup>th</sup> day of November, 2022

Jacob C Young Notary Public  
My commission expires 6/4/2026

Commonwealth of Pennsylvania - Notary Seal  
JACOB C YOUNG - Notary Public  
Washington County  
My Commission Expires June 4, 2026  
Commission Number 1333900

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WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. WDTN18UHSM

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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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 southsurface to curve kick-off point (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? see attached

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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 Erika Whetstone

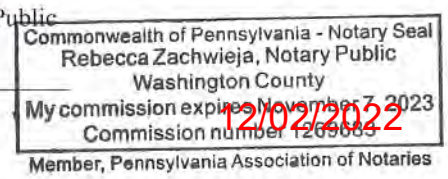
Company Official (Typed Name) Erika Whetstone

Company Official Title Director Permitting

Subscribed and sworn before me this 17<sup>th</sup> day of October, 20 22

Rebecca Zachwieja Notary Public

My commission expires November 7, 2023



**CNX GAS COMPANY LLC**

Proposed Revegetation Treatment: Acres Disturbed 28.06 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: *Ernest L. Sypolt*

Comments: \_\_\_\_\_

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Title: OIL + GAS INSPECTION Date: 10-17-22

Field Reviewed?  Yes  No



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Type of Waste	Disposal Company Name	Disposal Location	Disposal Location Coord	Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact Information
Non-Haz Disosal	Apex Sanitary Landfill (Apex Environmental)**	11 County Road 78 Amsterdam, Ohio 43903	N/A	Apex Environmental 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, 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 5 picocuries per gram above the natural background level.	Landfill Office: (740) 543-4389  Dave Brown 412-848-1828, dbrown@ApexLF.com
Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	2326 McClellandtown Road, Masonstown, PA 15461	39.853056, -79.924786	Appalachian Water	WMGR GP No. 123SW001 WQM Industrial Waste Permit No.: 2608201 A-2	Brine (Produced Water) and oily water from compressor stations.	Rob Bealko 304-291-0383 Office 304-282-8814 Cell rob.bealko@nuverra.com  Office: 740-609-3800
Brine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, - 80.711630	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 43935	40.105200, - 80.711630	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	78405 Cadiz-New Athens Rd. Cadiz, OH 43907	40.233830, - 81.003300	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.	Dave Brown 412-848-1828 Mark Winsap 330-692-0423; dbrown@ApexLF.com
Brine Injection - Treatment	Cambrian Well Services - Kemble (Orr Petroleum Corporation)	Zanesville, Muskingum County, Perry Township, OH	39.974954, - 81.845389	Kemble 1-D (SWIW#28)	34-119-2-8780	Brine (Produced Water)	Bob Orr 740-796-6495 614-648-8898 orropetro@gmail.com
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.087460, - 82.047918	BPC01	VAS2D960BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.222201, - 81.959987	N26	VAS2D930BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.184198, - 82.082549	U7	VAS2D9268BUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	37.120547, - 81.961222	AW114A	VAS2D970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.147934, - 82.075320	Ball Well	VAS52D921BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
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)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC  Office: 740.371.5078 ext. 206   Cell: 304.588.0936
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)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC  Office: 740.371.5078 ext. 206   Cell: 304.588.0936

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Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.429867, -81.511020	Order No. 2015-581; Heinrich Unit #1 Well, SWIW No. 21	API # 34-167-2-9445-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC  Office: 740.371.5078 ext. 206   Cell: 304.588.0936
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)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC  Office: 740.371.5078 ext. 206   Cell: 304.588.0936
RW & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	41540 National Road Belmont, 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@trooclean.com 918-413-6426
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH	39.973643, -81.825727	Pattison Trust No. 1-D (SWIW #30)	API # 34-119-2-8803	Brine (Produced Water)	Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Barnsville, Belmont County, OH	NEED	Buckeye UIC Barnsville (SWIW #2)	34-013-2-0609 UIC #609	Frac water, brine, produced water	Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
RW & TENORM	Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26059	40.06886, -80.61492	N/A	N/A	Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs ex. Also they do washouts and they have storage capacity at 2000bbl for 10lb brine and 10.5lb brine.	Kevin Flaherty (412)973-2586
Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820	37.495138, -81.105161	Camp Creek Disposal Well	UIC: UIC2D0550319 API: 47-055-00319	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.	Zachery Reed zacheryr4@yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323
Brine Injection - Treatment	Greene County Water Treatment, Inc.	401 Jefferson Rd. Waynesburg, PA 15370	39.908611, -80.141111	Waynesburg Facility	WMGR123SW010	Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (330) 270-9900
RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41.113260, -80.674500	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.	Larry Chamberlain 330-398-5919 lchamberlain@iwc-inc.com
Brine Injection - Treatment	Hydro Recovery	572 Route 18 Burgettstown, PA 15021	40.422874, -80.426125	Burgettstown Facility	WMGR123SW019	Oil and Gas Fluids with minimal oil and solids present	Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoverylp.com
Non-Haz Disosal	Mascaro & Sons- Wetzel Co LF	1521 Wetzel County Landfill Rd. New Martinsville, WV 26155	N/A	Wetzel County Landfill	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, Process Waste, Municipal Solid Waste	Terry Gadd terry.gadd@jpmascaro.com, 610-636-4133
RW & TENORM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531, -81.449219	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM), and high level TENORM material handling, storage, and transport. (TENORM downblending of low level TENORM material (≤ 85 pCi) on-site. High level TENORM (< 85 pCi) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).	Paul Williams 740-995-0684 mudmasterspw@gmail.com  Billing Address: 739 Southgate Pkwy, Cambridge, Ohio 43725

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Non-Haz Disposal	MXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210					Spencer to complete	John Twiddy johntn@mxilinc.com 276-628-6636 ext. 202; 276-608-0003 Cell
Non-Haz Disosal	Noble Environmental Landfill (Former Westmoreland Waste)	111 Conner Lane, Belle Vernon, PA 15012	N/A	Noble / Westmoreland Sanitary Landfill			Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Customer Service: (724) 929-7694
RW & TENORM	Pressure Tech	7675 East Pike Norwich, Ohio 43767	39.97415, -81.844765	N/A	N/A		Non-TENORM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have elevated levels of TENORM or compressor station water.	Bob Orr: 614-648-8898
Oily & Oily Water Treat - Recycle	Quala	515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A		Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.	330-264-8080 (O) jslater@quala.us.com
Non-Haz Disosal	Republic Services - Carbon-Limestone**	8100 S State Line Rd, Lowellville, OH 44436	N/A	Carbon-Limestone 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 **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 5 picocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Non-Haz Disosal	Republic Services - Imperial (Allied Waste of PA)	11 Boggs Rd, Imperial, PA 15126	N/A	Imperial Landfill	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, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
Non-Haz Disosal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003	N/A	Short Creek Landfill	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
Brine Injection - Treatment	Reserved Environmental Services (RES)	1119 Old Route 119 South Mt. Pleasant, PA 15666	40.215555, -79.606388	New Stanton Facility	WMGR123SW005		Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Lippencott Road Waynesburg, PA 15370	39.945555, -80.140833	Waynesburg Facility	WMGR123SW031		Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
Hazardous Waste Disposal	Safety Kleen	10 Industrial Park Drive Wheeling,Wv. 26003	N/A	Wheeling Landfill	N/A		RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Gordon Cooper Gordon.cooper@safety-kleen.com 304-215-2284 1-866-670-9034
Oily & Oily Water Treat - Recycle	Spirit Services, Inc.	173 Industrial Park Ln., Beech Bottom, WV 26030	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.	Joe Staton: 717-360-7916 Office: 301-223-1251 Fax: 301-223-1253 jstaton@spiritservices.com
Oily & Oily Water Treat - Recycle	Valicor Environmental Services LLC	515 W. 8th Ave, Huntington, WV 25201	N/A	N/A	N/A		Approved for non-haz water treatment of oil & water mix, oil, oil filters, and antifreeze only.	Corporate Number: 734-442-2353 Guy Turturice gturturice@valicor.com 304-963-1563 Steve Atkinson SAtkinson@valicor.com

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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 , 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 Disosal	Waste Management - Arden Landfill	200 Rangos 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	385 Harr Ln, Blountville, TN 37617				Spencer to complete	Travis Maryanski tmaryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service
Non-Haz Disosal	Waste Management - Evergreen Landfill	1310 Luciusboro Rd, Blairsville, 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 Disosal	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 Disosal	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 Disosal	Waste Management - Meadowfill Landfill	1488 Dawson Dr, Bridgeport, WV 26330	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	1550 Balmer Rd Youngstown, NY 14174	N/A	Model City Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Linda Davle: 716-286-0365 or 716-754-8231 or 800-963-4776
Non-Haz Disosal	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 Disosal	Waste Management - S&S Grading Landfill	4439 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 Disosal	Waste Management - South Hills (Arnoni)	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: 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 Disosal	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



**Site Safety Plan for Well WDTN18UHSM  
CNX Gas Company, LLC.**



RECEIVED  
Office of Oil & Gas  
OCT 19 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 17 of month OCTOBER, 2022 by

*Kevin L. Loyola*

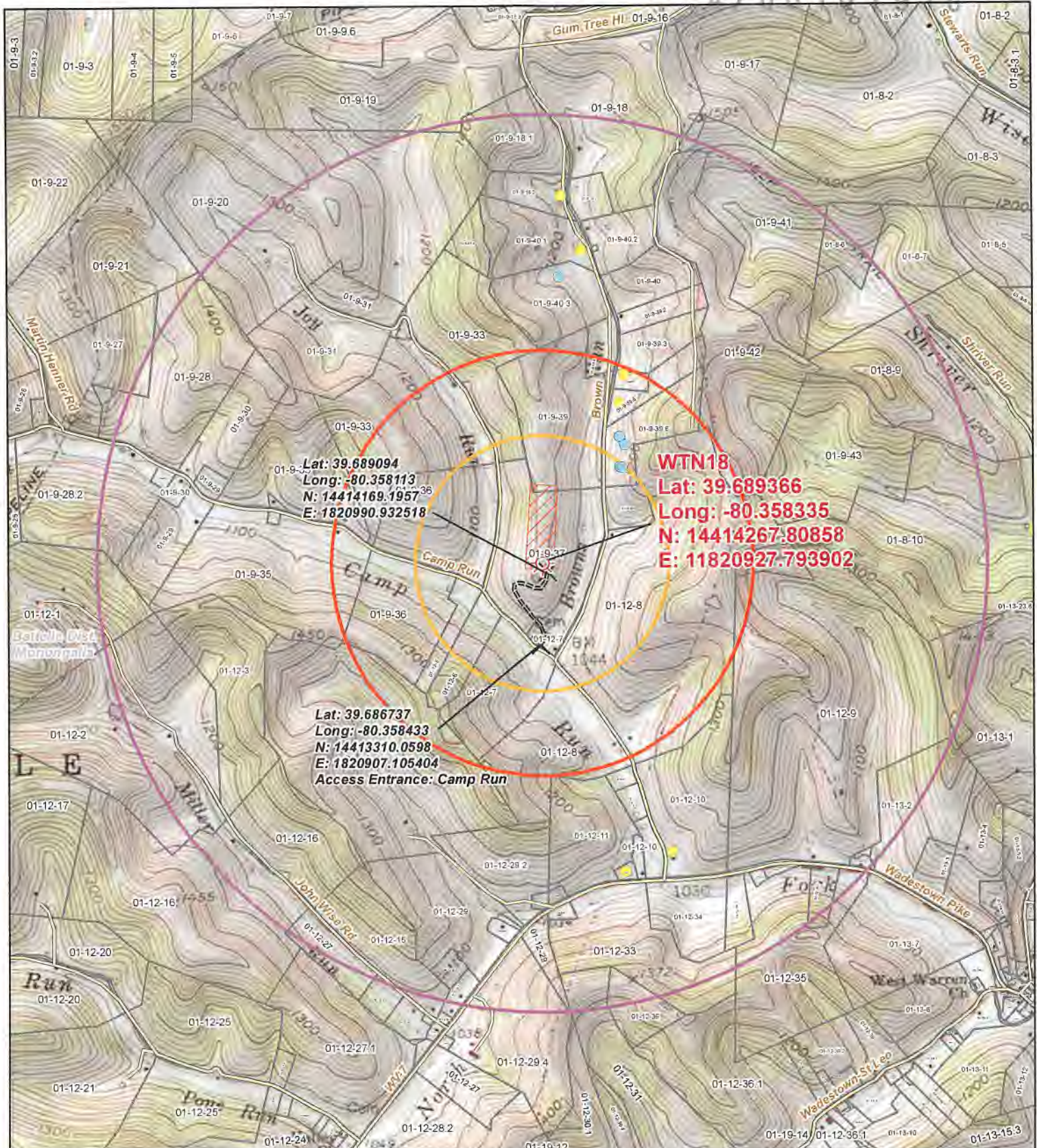
10-17-22

\_\_\_\_\_ Date: \_\_\_\_\_

RECEIVED  
Office of Oil & Gas

OCT 19 2022

WV Department of  
Environmental Protection



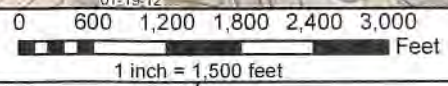
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**Long: -80.358113**  
**N: 14414169.1957**  
**E: 1820990.932518**

**WTN18**  
**Lat: 39.689366**  
**Long: -80.358335**  
**N: 14414267.80858**  
**E: 11820927.793902**

**Lat: 39.686737**  
**Long: -80.358433**  
**N: 14413310.0598**  
**E: 1820907.105404**  
**Access Entrance: Camp Run**

**Legend**

- Wellbore
- Access Points
- Water Well
- Spring
- Access Road
- 1,500 ft Buffer
- 2,500 ft Buffer
- 1 Mile Buffer
- WDTN18 Pad LOD
- Surface Parcel



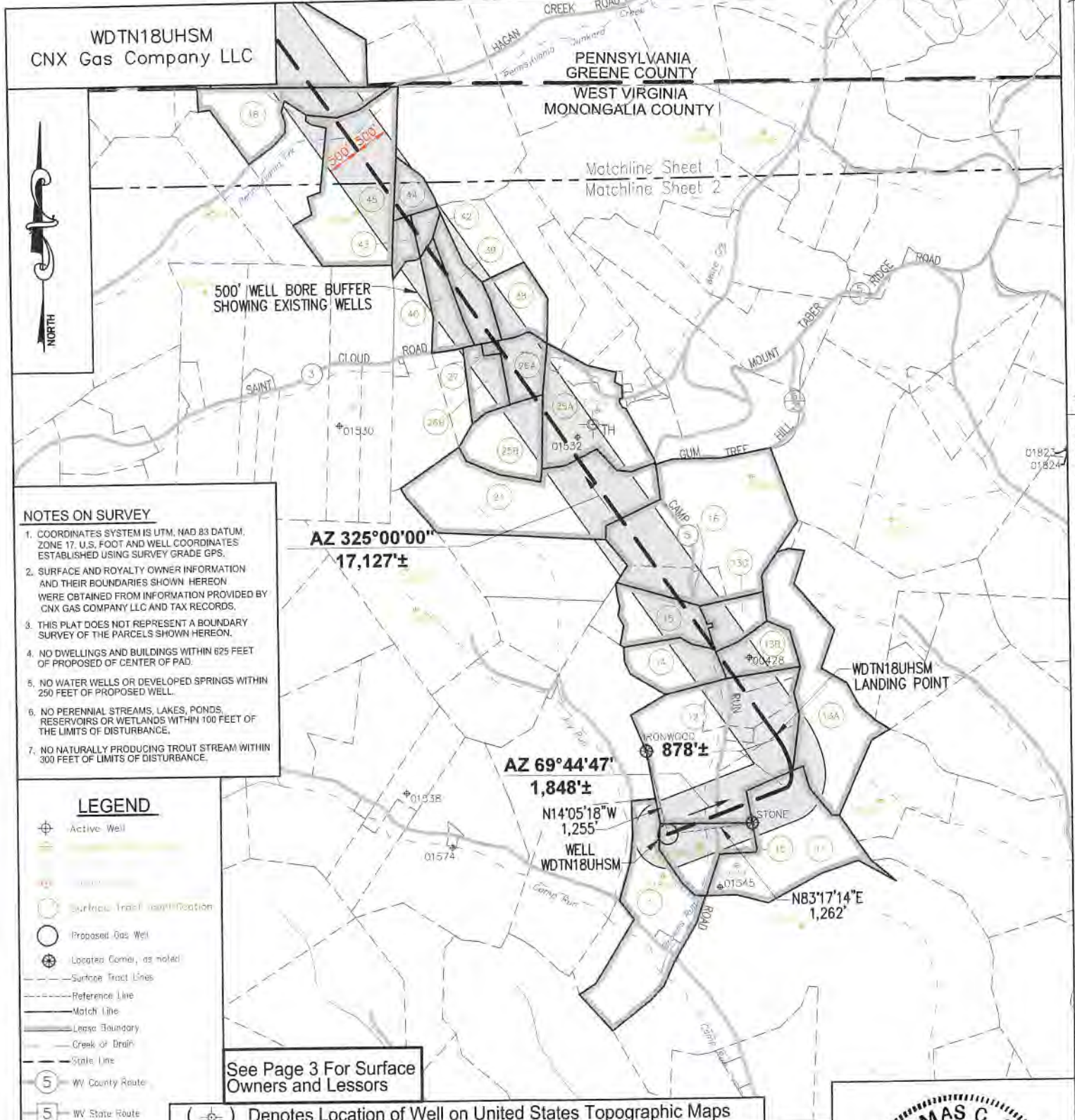
Original Date: 9/23/2022	Prepared By: GIS
Revision Date: 9/23/2022	Approved By: GIS

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Topographic Well Map  
**WDTN18**

**12/02/2022**



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

- LEGEND**
- Active Well
  - Proposed Gas Well
  - Surface Tract Identification
  - Proposed Gas Well
  - Logged Corner, as noted
  - Surface Tract Lines
  - Reference Line
  - Match Line
  - Lease Boundary
  - Creek or Drain
  - State Line
  - WV County Route
  - WV State Route

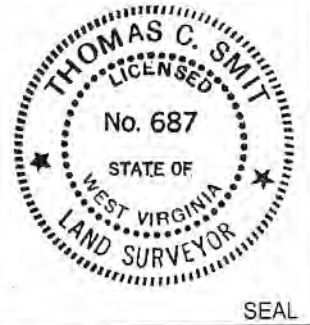
See Page 3 For Surface Owners and Lessors

( ) 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



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



DATE: SEPTEMBER 28 20 22  
OPERATORS WELL NO:  
API WELL NO: 47 - 061 - 01916  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
 DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±  
 ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±

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: 7,848'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
 ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road  
 Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022



WDTN18UHSM  
CNX Gas Company LLC

WDTN18UHSM  
BOTTOM HOLE



**NOTES ON SURVEY**

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**LEGEND**

- Active Well
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Match Line
- Lease Boundary
- Creek or Drain
- State Line
- WV County Route
- WV State Route

See Page 3 For Surface Owners and Lessors

( ) Denotes Location of Well on United States Topographic Maps

AZ 325°00'00"  
17,127'±

PENNSYLVANIA  
GREENE COUNTY  
WEST VIRGINIA  
MONONGALIA COUNTY

Matchline Sheet 1  
Matchline Sheet 2

**KEYSTONE**  
CONSULTANTS, LLC

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

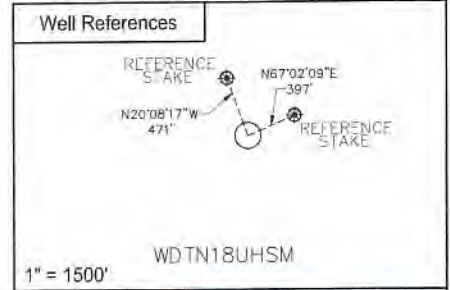
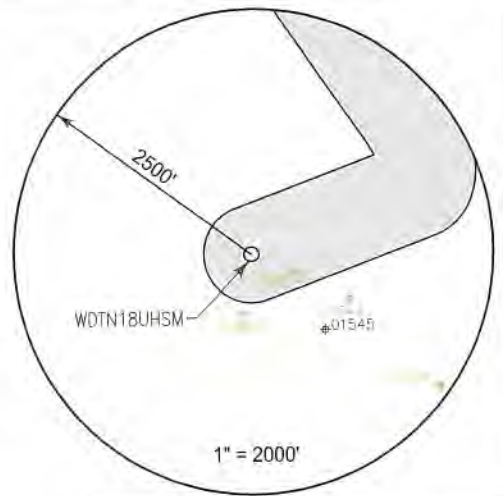


DATE: SEPTEMBER 28 20 22  
OPERATORS WELL NO:  
API WELL NO  
47 - 061 - 01916  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia  
SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±  
ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±  
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: 7,848'  
WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road  
Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
1	Consol Mining Company LLC	Bounty Minerals, LLC	1-9-37 1-12-7
		Bounty Minerals III Acquisitions, LLC	
		LOLA Drilling I, LLC	
		Rice Drilling B, LLC	
10	Consol Mining Company LLC	Eastern Associated Coal Corporation	1-9-37 1-9-38
11	Consol Mining Company LLC	Eastern Associated Coal Corporation	1-12-8
12	Consol Mining Company LLC, et al	Ralph Six	1-9-39 1-9-39.1 1-9-39.2 1-9-39.3 1-9-39.4 1-9-39.5 1-9-39.6
		Antero Resources Corporation	
		Doris Margaret White	
		George Stephen Knight	
13A	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas	1-9-42
		Sarah C. Sheridan	
		Gail T. Bellucci	
		Hugh Kirkland	
		BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust	
		Sherry Lemons	
		Melissa Kubishke	
		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 September 2, 1998	
		Louise H. Berg, Trustee of the Louise H. Berg Revocable Trust	
		Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	
		Catherine Kirkland	
		Dorothy A. Hammer	
David B. Haines and Jeanette C. Haines, h/w			
Barbara Thomas			
Constance A. Corey f/k/a Constance Ann Haines and Robert Corey, w/h			
Lisa Craig			
Kathleen Costner f/k/a Kathy Figueroa			



**SURFACE HOLE LOCATION (SHL)**

UTM 17 NAD 83
N: 4393679.440
E: 555024.467
NAD 83, WV NORTH
N: 435018.469
E: 1726983.973
LAT/LON DATUM NAD 83
LAT: 39°41'28.264"
LON: 80°21'29.755"
LANDING POINT
UTM 17 NAD 83
N: 4394121.566
E: 555508.944
NAD 83, WV NORTH
N: 436442.686
E: 1728597.965
LAT/LON DATUM NAD 83
LAT: 39°41'42.492"
LON: 80°21'09.281"

**WDTN18 WELL PAD**

WDTN18UHSM

**BOTTOM HOLE LOCATION (BHL)**

UTM 17 NAD 83
N: 4398345.931
E: 552444.782
NAD 83, WV NORTH
N: 450472.460
E: 1718774.937
LAT/LON DATUM NAD 83
LAT: 39°44'00.207"
LON: 80°23'16.722"



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.

*L. L. S. 687*  
L. L. S. 687



SEAL

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

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



DATE: SEPTEMBER 28 20 22

OPERATORS WELL NO:

API WELL NO

47 - 061 - 01916

STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

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DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±

ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±

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ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road

Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022

		Mark A. Macale	
		Mike E. Macale	
		June Fulton f/k/a Jane Fulton	
		Faye B. Sigman f/k/a Faye Arnold Buckley	
		Michelle Woods f/k/a Michelle Brienne Haines	
		Terri Attinger f/k/a Terri Devlin and Richard C. Attinger, w/h	
		Jerilyn R. Baucum	
		Julie Ann Griffis and Gary Griffis, w/h	
		William Lee Haines, Jr.	
		Phillip Ronald Laws	
		Glynis Marion, f/k/a Glynis Lane	
		Larry J. Miller, Jr.	
		Pepe Patrick Jack Miller f/k/a Pat Miller and Kelly Anne Miller, h/w	
		Kris Laws Miller and Robin McClary, her wife	
		Raymond Wayne Frye	
		Rosalie J. Capshaw	
		Jean Banks	
		Kathleen Farmer	
		A. E. Hennen, III	
		John K. Hennen	
		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		Morgan Haning	
		Anne W. Haning	
		Zachary C. Haning	
		Catherine Haning Coleman	
		Carlos Saucedo	
		Ezra Charles McDaniel	
		Patrick James Saucedo	
		Barbara Haning	
		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	
		Jerry R. Haines, II	
		Tonya Huntoon	
TRACT ID	SURFACE OWNER	LESSOR	PIN
13B	Rose L. Thomas	George Shriver, himself and as Guardian of J. M. Shriver Lucy White and Edward White, her husband Dennis Haines, F.E. Liming and Ethel Liming, his wife Dennis Haines, F.E. Liming and Ethel Liming, his wife Dennis Haines, F.E. Liming and Ethel Liming, his wife The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc Equitrans, L.P. Tri-County Oil & Gas, Inc, Leatherwood, Inc.	1-9-40
13C	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas Sarah C. Sheridan Gail T. Bellucci BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust Sherry Lemons Melissa Kubishke 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 September 2, 1998 Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust Catherine C. Kirkland Morgan Haning Anne W. Haning Zachary C. Haning Catherine Haning Coleman Kathleen Farmer A. E. Hennen, III John K. Hennen	1-9-40.2

12/02/2022

		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		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	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
14	Curtis L. Thomas, et ux	George Shriver, himself and as Guardian of J. M. Shriver, Lucy White and Edward White, her husband	1-9-40.3
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		The Philadelphia Company of West Virginia	
		Pittsburgh and West Virginia Gas Company	
		Equitable Gas Company	
		Equitrans, Inc	
		Equitrans, L.P.	
		Tri-County Oil & Gas, Inc,	
		Leatherwood, Inc.	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
15	Curtis L. Thomas, et ux	Curtis L Thomas and Diana B Thomas	1-9-40.1
		Gail T Bellucci	
		Alma E. Kirkland Revocable Living Trust Agreement, Bank of Oklahoma N.A., Sole Successor Trustee	
		Sherry Lemons	
		Melissa Kubishke f/k/a Melissa Graham	
		Pamela Jane Brewer	
		Stephen D Kirkland and Julie D Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	
		Louise Kirkland Berg	
		Christine A Kirkland, as Trustee of the Christine A Kirkland Trust	
		Catherine C Kirkland	
		Ann W Haning	
		Morgan Haning	
		Zachery Haning	
		Catherine Haning Coleman	
		Kathleen Farmer	
		A E Hennen III	
		John K Hennen	
		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		Sarah Casey Sheridan	
		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	
		Barbara Haning	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
16	Richard J. Cassone, et ux, et al	Samuel William Stewart and Barbara C. Stewart, individually and as husband and wife	1-9-18 1-9-18.1 1-9-18.2 1-9-18.3
		John Samuel Stewart	
		Merrion Oil and Gas Corporation	
		Hu's Land & Minerals, LLC	
		EQT Production Company	
		Richard J. Cassone and Linda Ann Cassone, h/w	
		Harold Creel and Martha Ann Creel, h/w	
		James Creel	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
24	Consol Mining Company LLC	Bounty Minerals LLC	1-9-19

12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
25A	Glenn L. White Trust, et al	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White h/w	1-9-9 1-9-9.1 1-9-9.2 1-9-9.4 1-9-9.5 1-9-9.6
		Marian Rebecca Stone Garrett	
		Patricia Kathleen White Hoekstra	
		Carol Sue Davis	
		Richard H. Benson, II	
		Edwin Ray White, II	
		Anita Susan Talbott	
		Robert L. Tate, Jr.	
		Robert S. Elliott	
		Donald Edward Stone	
		Doris Jean White	
		David Ray Stone	
		Bettyann Reed	
		Mary Ann Borkowski and Marc Borkowski	
		Jan W. Ellison and Thomas A. Ellison	
		Jane W. McIntyre and Glenn C. McIntyre	
		Lucy Mae Stickle	
		Nancy Emerick	
		Marsha W. Byers and Stephen R. Byers	
		Edith B. White	
Alvy Scott White			
Karen Imogene Meyer			
Candace L. McPheron			
Howard L. Leckey			
Dennis F. Hatton, Jr.			
Melinda Reid Hatton			
Three Rivers Royalty II, LLC			
Amanda Hatton			
Frederick C. Tate			
TRACT ID	SURFACE OWNER	LESSOR	PIN
25B	CNX RCPC LLC	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	1-9-9.6
		Marian Rebecca Stone Garrett	
		Patricia Kathleen White Hoekstra	
		Carol Sue Davis	
		Richard H. Benson, II	
		Edwin Ray White, II	
		Anita Susan Talbott	
		Robert L. Tate, Jr.	
		Robert S. Elliott	
		Donald Edward Stone	
		Doris Jean White	
		David Ray Stone	
		Bettyann Reed	
		Mary Ann Borkowski and Marc Borkowski	
		Jan W. Ellison and Thomas A. Ellison	
		Jane W. McIntyre and Glenn C. McIntyre	
		Lucy Mae Stickle	
		Nancy Emerick	
		Marsha W. Byers and Stephen R. Byers	
		Edith B. White (Daniel Reed White Heirs)	
Alvy Scott White			
Karen Imogene Meyer			
Candace L. McPheron			
Howard L. Leckey			
Dennis F. Hatton, Jr.			
Melinda Reid Hatton			
Three Rivers Royalty II, LLC			
Amanda Hatton			
Frederick C. Tate			

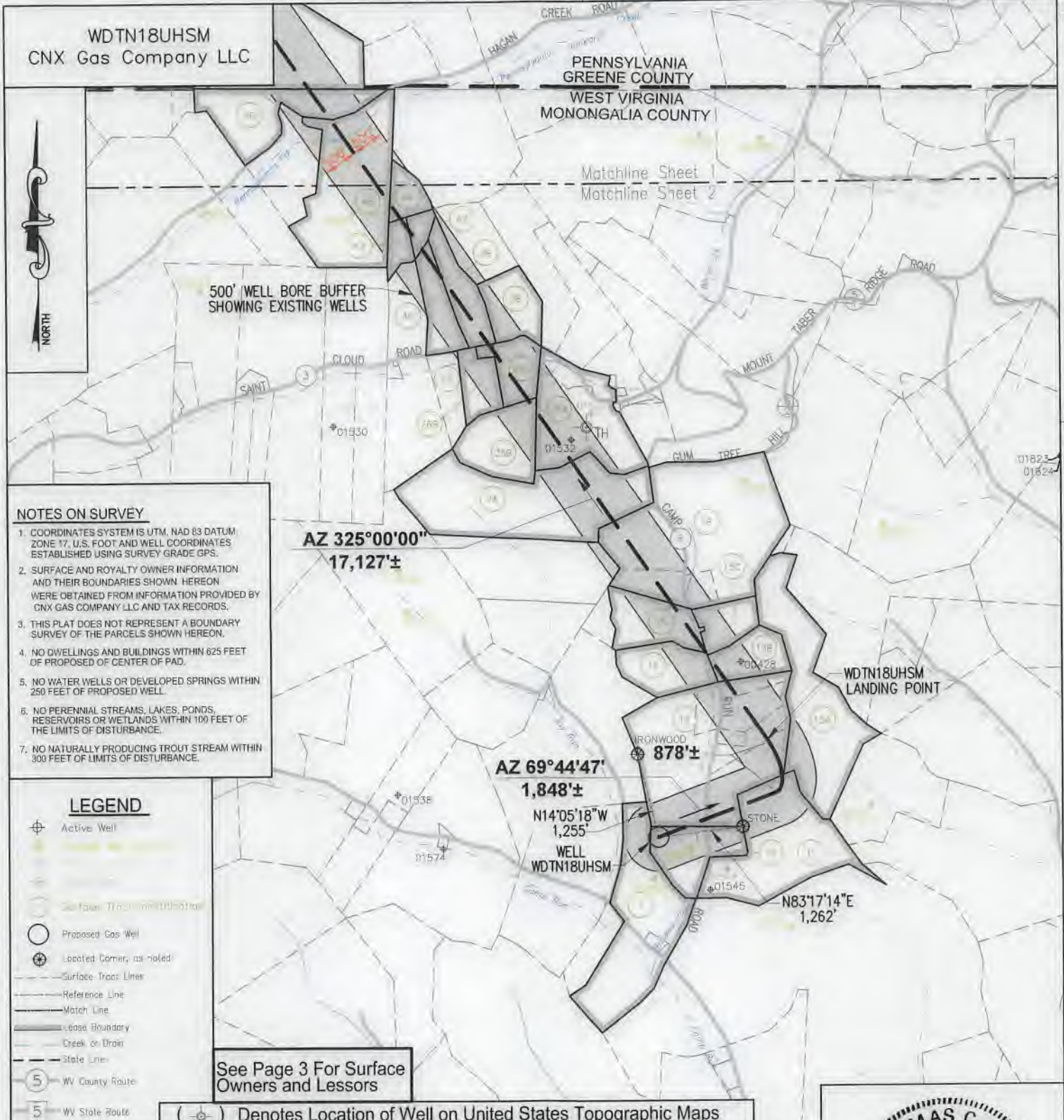
12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
26A	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-9-8
		Martha Carol Grimes	
		Mary Frances Grimes-Yeater	
		Margaret Harriett Grimes-Bryan and John W. Bryan, w/h	
		Karen S. Stewart and Randall L. Stewart, w/h	
		Thomas Bradford Grimes	
		Diana Williamson	
		Mary Ann McGlumphy	
		Myra Lynn Fitzsimmons	
		Susan Kay Fitzsimmons	
		Cynthia Kinder	
		Lawrence Raymond Stiles and Winfred A. Stiles, h/w	
		Joseph David Cross	
		Rebecca Stiles	
		Thomas Edward Stiles and Deborah K. Stiles, h/w	
		Billy Gordon Fitzsimmons	
		Shari Jo Murnane	
		Michael Edwin Smith and Juliann M. Smith, h/w	
		Robert Dean Smith and Cynthia Rae Smith, h/w	
		Donald Ray Jordan	
		Megan Jordan	
		Mary Beth Steele	
		Jan Marie Steele	
		Gary Arthur Kesteven and Nancy R. Kesteven, h/w	
		Wendy C. Hershey f/k/a Wendy C. Kesteven	
		Sandra Hadsell	
		Douglas Baker	
		Gloria Dunlap	
		David Stiles	
TRACT ID	SURFACE OWNER	LESSOR	PIN
26B	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-9-7
TRACT ID	SURFACE OWNER	LESSOR	PIN
27	Davin Austin Copeland	Davin Austin Copeland	1-2-25
TRACT ID	SURFACE OWNER	LESSOR	PIN
38	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-2-9
TRACT ID	SURFACE OWNER	LESSOR	PIN
39	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
TRACT ID	SURFACE OWNER	LESSOR	PIN
40	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
TRACT ID	SURFACE OWNER	LESSOR	PIN
42	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	
TRACT ID	SURFACE OWNER	LESSOR	PIN
43	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	

12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
44	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble, Denzle Kimble and Olive Irene Wright Kimble, h/w	1-2-12
		Consolidation Coal Company	
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	
TRACT ID	SURFACE OWNER	LESSOR	PIN
45	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble; Denzle Kimble and Olive Irene Wright Kimble, h/w	1-2-5
		Consolidation Coal Company	
		Aliakbar Afshari	
		Amir H. Mohammadi	
		EQT Production Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
48	Consol Mining Company LLC	James L. Taylor and DeEtta K. Taylor, his wife,	1-2-4
		Consolidation Coal Company	
		Elkhorn Minerals, LLC	

12/02/2022



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, 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 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.

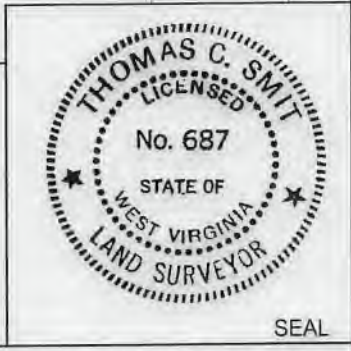
- LEGEND**
- Active Well
  - Surface Trap (with bottom)
  - Proposed Gas Well
  - Located Corner, as noted
  - Surface Trap Lines
  - Reference Line
  - Match Line
  - Lease Boundary
  - Creek or Drain
  - State Line
  - WV County Route
  - WV State Route
- ( ) Denotes Location of Well on United States Topographic Maps

See Page 3 For Surface Owners and Lessors



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



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



DATE: SEPTEMBER 28 20 22  
OPERATORS WELL NO:  
API WELL NO: 47 - 061 - 01916  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
 DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±  
 ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±

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: 7,848'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
 ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road  
 Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022



WDTN18UHSM  
CNX Gas Company LLC

WDTN18UHSM  
BOTTOM HOLE



**NOTES ON SURVEY**

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

**LEGEND**

- Active Well
- Well
- 500' Well Bore Buffer
- Proposed Gas Well
- Located Correlly as noted
- Surface Tract Lines
- Reference Line
- Match Line
- Lease Boundary
- Creek or Drain
- State Line
- WV County Route
- WV State Route

See Page 3 For Surface Owners and Lessors

AZ 325°00'00"  
17,127'±

( - 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.

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

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

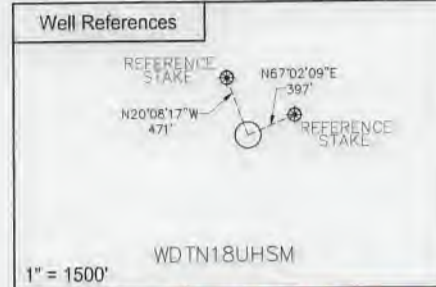
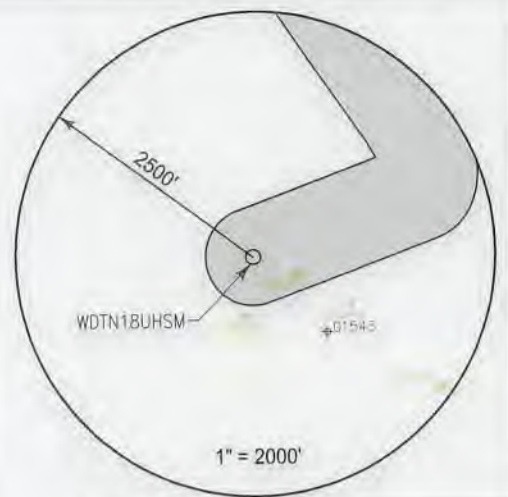


DATE: SEPTEMBER 28 20 22  
OPERATORS WELL NO:  
API WELL NO  
47 - 061 - 01916  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia  
SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±  
ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±  
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: 7,848'  
WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road  
Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN		
1	Consol Mining Company LLC	Bounty Minerals, LLC	1-9-37		
		Bounty Minerals III Acquisitions, LLC	1-12-7		
		LOLA Drilling I, LLC			
		Rice Drilling B, LLC			
10	Consol Mining Company LLC	Eastern Associated Coal Corporation	1-9-37 1-9-38		
11	Consol Mining Company LLC	Eastern Associated Coal Corporation	1-12-8		
12	Consol Mining Company LLC, et al	Ralph Six	1-9-39 1-9-39.1 1-9-39.2 1-9-39.3 1-9-39.4 1-9-39.5 1-9-39.6		
		Antero Resources Corporation			
		Doris Margaret White			
		George Stephen Knight			
		13A	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas	1-9-42
				Sarah C. Sheridan	
				Gail T. Bellucci	
		Hugh Kirkland			
		BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust			
		Sherry Lemons			
		Melissa Kubishke			
		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 September 2, 1998			
		Louise H. Berg, Trustee of the Louise H. Berg Revocable Trust			
		Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust			
		Catherine Kirkland			
		Dorothy A. Hammer			
		David B. Haines and Jeanette C. Haines, h/w			
		Barbara Thomas			
		Constance A. Corey f/k/a Constance Ann Haines and Robert Corey, w/h			
		Lisa Craig			
		Kathleen Costner f/k/a Kathy Figueroa			



**SURFACE HOLE LOCATION (SHL)**

UTM 17 NAD 83
N: 4393679.440
E: 555024.467
NAD 83, WV NORTH
N: 435018.469
E: 1726983.973
LAT/LON DATUM NAD 83
LAT: 39°41'28.264"
LON: 80°21'29.755"
<b>LANDING POINT</b>
UTM 17 NAD 83
N: 4394121.566
E: 555508.944
NAD 83, WV NORTH
N: 436442.686
E: 1728597.965
LAT/LON DATUM NAD 83
LAT: 39°41'42.492"
LON: 80°21'09.281"

**WDTN18 WELL PAD**

UTM 17 NAD 83
N: 4398345.931
E: 552444.782
NAD 83, WV NORTH
N: 450472.460
E: 1718774.937
LAT/LON DATUM NAD 83
LAT: 39°44'00.207"
LON: 80°23'16.722"

**BOTTOM HOLE LOCATION (BHL)**

UTM 17 NAD 83
N: 4398345.931
E: 552444.782
NAD 83, WV NORTH
N: 450472.460
E: 1718774.937
LAT/LON DATUM NAD 83
LAT: 39°44'00.207"
LON: 80°23'16.722"



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.

*L. L. S.*  
L. L. S. 687



SEAL

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



DATE: SEPTEMBER 28 20 22
OPERATORS WELL NO:
API WELL NO 47 - 061 - 01916
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±  
ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±

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: 7,848'

WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
ADDRESS: 1000 Horizon Vue Drive ADDRESS: 111 Avondale Road  
Canonsburg, PA 15317 Fairmont, WV 26554

12/02/2022

		Mark A. Macale	
		Mike E. Macale	
		June Fulton f/k/a Jane Fulton	
		Faye B. Sigman f/k/a Faye Arnold Buckley	
		Michelle Woods f/k/a Michelle Brienne Haines	
		Terri Attinger f/k/a Terri Devlin and Richard C. Attinger, w/h	
		Jerilyn R. Baucum	
		Julie Ann Griffis and Gary Griffis, w/h	
		William Lee Haines, Jr.	
		Phillip Ronald Laws	
		Glynis Marion, f/k/a Glynis Lane	
		Larry J. Miller, Jr.	
		Pepe Patrick Jack Miller f/k/a Pat Miller and Kelly Anne Miller, h/w	
		Kris Laws Miller and Robin McClary, her wife	
		Raymond Wayne Frye	
		Rosalie J. Capshaw	
		Jean Banks	
		Kathleen Farmer	
		A. E. Hennen, III	
		John K. Hennen	
		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		Morgan Haning	
		Anne W. Haning	
		Zachary C. Haning	
		Catherine Haning Coleman	
		Carlos Saucedo	
		Ezra Charles McDaniel	
		Patrick James Saucedo	
		Barbara Haning	
		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	
		Jerry R. Haines, II	
		Tonya Huntoon	
TRACT ID	SURFACE OWNER	LESSOR	PIN
13B	Rose L. Thomas	George Shriver, himself and as Guardian of J. M. Shriver Lucy White and Edward White, her husband	1-9-40
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		The Philadelphia Company of West Virginia	
		Pittsburgh and West Virginia Gas Company	
		Equitable Gas Company	
		Equitrans, Inc	
		Equitrans, L.P.	
		Tri-County Oil & Gas, Inc,	
		Leatherwood, Inc.	
13C	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas	1-9-40.2
		Sarah C. Sheridan	
		Gail T. Bellucci	
		BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust	
		Sherry Lemons	
		Melissa Kubishke	
		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 September 2, 1998	
		Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust	
		Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	
		Catherine C. Kirkland	
		Morgan Haning	
		Anne W. Haning	
		Zachary C. Haning	
		Catherine Haning Coleman	
		Kathleen Farmer	
		A. E. Hennen, III	
		John K. Hennen	

12/02/2022

		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		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	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
14	Curtis L. Thomas, et ux	George Shriver, himself and as Guardian of J. M. Shriver, Lucy White and Edward White, her husband	1-9-40.3
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		Dennis Haines, F.E. Liming and Ethel Liming, his wife	
		The Philadelphia Company of West Virginia	
		Pittsburgh and West Virginia Gas Company	
		Equitable Gas Company	
		Equitrans, Inc	
		Equitrans, L.P.	
		Tri-County Oil & Gas, Inc,	
		Leatherwood, Inc.	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
15	Curtis L. Thomas, et ux	Curtis L Thomas and Diana B Thomas	1-9-40.1
		Gail T Bellucci	
		Alma E. Kirkland Revocable Living Trust Agreement, Bank of Oklahoma N.A., Sole Successor Trustee	
		Sherry Lemons	
		Melissa Kubishke f/k/a Melissa Graham	
		Pamela Jane Brewer	
		Stephen D Kirkland and Julie D Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	
		Louise Kirkland Berg	
		Christine A Kirkland, as Trustee of the Christine A Kirkland Trust	
		Catherine C Kirkland	
		Ann W Haning	
		Morgan Haning	
		Zachery Haning	
		Catherine Haning Coleman	
		Kathleen Farmer	
		A E Hennen III	
		John K Hennen	
		David Michael Hennen	
		Mary Hennen	
		Robert Douglas Hennen	
		Sarah Casey Sheridan	
		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	
		Barbara Haning	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
16	Richard J. Cassone, et ux, et al	Samuel William Stewart and Barbara C. Stewart, individually and as husband and wife	1-9-18 1-9-18.1 1-9-18.2 1-9-18.3
		John Samuel Stewart	
		Merrion Oil and Gas Corporation	
		Hu's Land & Minerals, LLC	
		EQT Production Company	
		Richard J. Cassone and Linda Ann Cassone, h/w	
		Harold Creel and Martha Ann Creel, h/w	
		James Creel	
<b>TRACT ID</b>	<b>SURFACE OWNER</b>	<b>LESSOR</b>	<b>PIN</b>
24	Consol Mining Company LLC	Bounty Minerals LLC	1-9-19

12/02/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN		
25A	Glenn L. White Trust, et al	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White h/w	1-9-9 1-9-9.1 1-9-9.2 1-9-9.4 1-9-9.5 1-9-9.6		
		Marian Rebecca Stone Garrett			
		Patricia Kathleen White Hoekstra			
		Carol Sue Davis			
		Richard H. Benson, II			
		Edwin Ray White, II			
		Anita Susan Talbott			
		Robert L. Tate, Jr.			
		Robert S. Elliott			
		Donald Edward Stone			
		Doris Jean White			
		David Ray Stone			
		Bettyann Reed			
		Mary Ann Borkowski and Marc Borkowski			
		Jan W. Ellison and Thomas A. Ellison			
		Jane W. McIntyre and Glenn C. McIntyre			
		25B	CNX RCPC LLC	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	1-9-9.6
Marian Rebecca Stone Garrett					
Patricia Kathleen White Hoekstra					
Carol Sue Davis					
Richard H. Benson, II					
Edwin Ray White, II					
Anita Susan Talbott					
Robert L. Tate, Jr.					
Robert S. Elliott					
Donald Edward Stone					
Doris Jean White					
David Ray Stone					
Bettyann Reed					
Mary Ann Borkowski and Marc Borkowski					
Jan W. Ellison and Thomas A. Ellison					
Jane W. McIntyre and Glenn C. McIntyre					
25B	CNX RCPC LLC			Lucy Mae Sticklely	
		Nancy Emerick			
		Marsha W. Byers and Stephen R. Byers			
		Edith B. White			
		Alvy Scott White			
		Karen Imogene Meyer			
		Candace L. McPheron			
		Howard L. Leckey			
		Dennis F. Hatton, Jr.			
		Melinda Reid Hatton			
		Three Rivers Royalty II, LLC			
		Amanda Hatton			
		Frederick C. Tate			
		25B	CNX RCPC LLC	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	1-9-9.6
				Marian Rebecca Stone Garrett	
				Patricia Kathleen White Hoekstra	
				Carol Sue Davis	
Richard H. Benson, II					
Edwin Ray White, II					
Anita Susan Talbott					
Robert L. Tate, Jr.					
Robert S. Elliott					
Donald Edward Stone					
Doris Jean White					
David Ray Stone					
Bettyann Reed					
Mary Ann Borkowski and Marc Borkowski					
Jan W. Ellison and Thomas A. Ellison					
Jane W. McIntyre and Glenn C. McIntyre					
25B	CNX RCPC LLC			Lucy Mae Sticklely	
		Nancy Emerick			
		Marsha W. Byers and Stephen R. Byers			
		Edith B. White (Daniel Reed White Heirs)			
		Alvy Scott White			
		Karen Imogene Meyer			
		Candace L. McPheron			
		Howard L. Leckey			
		Dennis F. Hatton, Jr.			
		Melinda Reid Hatton			
		Three Rivers Royalty II, LLC			
		Amanda Hatton			
		Frederick C. Tate			

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TRACT ID	SURFACE OWNER	LESSOR	PIN
26A	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-9-8
		Martha Carol Grimes	
		Mary Frances Grimes-Yeater	
		Margaret Harriett Grimes-Bryan and John W. Bryan, w/h	
		Karen S. Stewart and Randall L. Stewart, w/h	
		Thomas Bradford Grimes	
		Diana Williamson	
		Mary Ann McGlumphy	
		Myra Lynn Fitzsimmons	
		Susan Kay Fitzsimmons	
		Cynthia Kinder	
		Lawrence Raymond Stiles and Winfred A. Stiles, h/w	
		Joseph David Cross	
		Rebecca Stiles	
		Thomas Edward Stiles and Deborah K. Stiles, h/w	
		Billy Gordon Fitzsimmons	
		Shari Jo Murnane	
		Michael Edwin Smith and Juliann M. Smith, h/w	
		Robert Dean Smith and Cynthia Rae Smith, h/w	
		Donald Ray Jordan	
		Megan Jordan	
		Mary Beth Steele	
		Jan Marie Steele	
		Gary Arthur Kesteven and Nancy R. Kesteven, h/w	
		Wendy C. Hershey f/k/a Wendy C. Kesteven	
		Sandra Hadsell	
		Douglas Baker	
		Gloria Dunlap	
		David Stiles	
TRACT ID	SURFACE OWNER	LESSOR	PIN
26B	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-9-7
TRACT ID	SURFACE OWNER	LESSOR	PIN
27	Davin Austin Copeland	Davin Austin Copeland	1-2-25
TRACT ID	SURFACE OWNER	LESSOR	PIN
38	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	1-2-9
TRACT ID	SURFACE OWNER	LESSOR	PIN
39	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
TRACT ID	SURFACE OWNER	LESSOR	PIN
40	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
TRACT ID	SURFACE OWNER	LESSOR	PIN
42	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	
TRACT ID	SURFACE OWNER	LESSOR	PIN
43	Paul David Beck, et al	Bounty Minerals, LLC	1-2-8
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	

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TRACT ID	SURFACE OWNER	LESSOR	PIN
44	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble, Denzle Kimble and Olive Irene Wright Kimble, h/w	1-2-12
		Consolidation Coal Company	
		James W. Dorsey	
		Janice Whitaker	
		Janet Stukins	
		Gary A. Booth	
		David L. Booth	
		Daniel B. Booth	
		William C. Booth	
		Judy A. Taylor	
		Robert Campbell	
		Kenneth Jeff Campbell	
TRACT ID	SURFACE OWNER	LESSOR	PIN
45	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble; Denzle Kimble and Olive Irene Wright Kimble, h/w	1-2-5
		Consolidation Coal Company	
		Aliakbar Afshari	
		Amir H. Mohammadi	
		EQT Production Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
48	Consol Mining Company LLC	James L. Taylor and DeEtta K. Taylor, his wife,	1-2-4
		Consolidation Coal Company	
		Elkhorn Minerals, LLC	

12/02/2022

WW-6A1  
(5/13)

Operator's Well No. WDTN18UHSM

**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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Environmental Protection

**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: David Weisand  
 Its: Permitting Services Mgr



Attachment - Form WW-6A-1 for WDTN18UH5M							
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
1	1-9-37 1-12-7	189033000	Consol Mining Company LLC	Bounty Minerals, LLC	LOLA Drilling I, LLC	Not less than 1/8	1586/325
				Bounty Minerals III Acquisitions, LLC	LOLA Drilling I, LLC	Not less than 1/8	1586/328
				LOLA Drilling I, LLC	Rice Drilling B, LLC	Assignment	133/752
				Rice Drilling B, LLC	CNX Gas Company LLC	Agreement	1775/220
10	1-9-37 1-9-38	203527000	Consol Mining Company LLC	Eastern Associated Coal Corporation	CNX Gas Company LLC	Fee	1267/233
11	1-12-8	189034000	Consol Mining Company LLC	Eastern Associated Coal Corporation	CNX Gas Company LLC	Fee	1267/233
12	1-9-39 1-9-39.1 1-9-39.2 1-9-39.3 1-9-39.4 1-9-39.5 1-9-39.6	189024000 189009000 189019000 189020000 189021000 189022000 189023000	Consol Mining Company LLC, et al	Ralph Six	Antero Resources Corporation	Not less than 1/8	1781/354
				Antero Resources Corporation	CNX Gas Company LLC	Assignment	158/372
				Doris Margaret White	CNX Gas Company LLC	Not less than 1/8	1484/348
				George Stephen Knight	CNX Gas Company LLC	Not less than 1/8	1482/438
13A	1-9-42	239939000	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas	CNX Gas Company LLC	Not less than 1/8	1604/621
				Sarah C. Sheridan	CNX Gas Company LLC	Not less than 1/8	1639/527
				Gail T. Bellucci	CNX Gas Company LLC	Not less than 1/8	1653/686
				Hugh Kirkland	CNX Gas Company LLC	Not less than 1/8	1534/541
				BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1637/103
				Sherry Lemons	CNX Gas Company LLC	Not less than 1/8	1535/136
				Melissa Kubishke	CNX Gas Company LLC	Not less than 1/8	1535/751
				Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1606/623
				Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	CNX Gas Company LLC	Not less than 1/8	1622/188
				Louise H. Berg, Trustee of the Louise H. Berg Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1611/290
				Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	CNX Gas Company LLC	Not less than 1/8	1619/323
				Catherine Kirkland	CNX Gas Company LLC	Not less than 1/8	1539/910
				Dorothy A. Hammer	CNX Gas Company LLC	Not less than 1/8	1629/278
				David B. Haines and Jeanette C. Haines, h/w	CNX Gas Company LLC	Not less than 1/8	1622/584
				Barbara Thomas	CNX Gas Company LLC	Not less than 1/8	1622/359
				Constance A. Corey f/n/a Constance Ann Haines and Robert Corey, w/h	CNX Gas Company LLC	Not less than 1/8	1623/302
				Lisa Craig	CNX Gas Company LLC	Not less than 1/8	1623/302
				Kathleen Costner f/n/a Kathy Figueroa	CNX Gas Company LLC	Not less than 1/8	1623/343
				Mark A. Masale	CNX Gas Company LLC	Not less than 1/8	1628/143
				Mike E. Masale	CNX Gas Company LLC	Not less than 1/8	1628/158
				Jane Fulton f/n/a Jane Fulton	CNX Gas Company LLC	Not less than 1/8	1631/69
				Faye B. Sigman f/n/a Faye Arnold Buckley	CNX Gas Company LLC	Not less than 1/8	1625/435
				Michelle Woods f/n/a Michelle Brienne Haines	CNX Gas Company LLC	Not less than 1/8	1666/818
				Terri Attinger f/n/a Terri Devlin and Richard C. Attinger, w/h	CNX Gas Company LLC	Not less than 1/8	1627/690
				Jerilyn R. Baucum	CNX Gas Company LLC	Not less than 1/8	1622/695
				Julie Ann Griffith and Gary Griffith, w/h	CNX Gas Company LLC	Not less than 1/8	1639/557
				William Lee Haines, Jr.	CNX Gas Company LLC	Not less than 1/8	1625/409
				Phillip Ronald Laws	CNX Gas Company LLC	Not less than 1/8	1537/718
				Glynis Marlon, f/n/a Glynis Lane	CNX Gas Company LLC	Not less than 1/8	1622/289
				Larry J. Miller, Jr.	CNX Gas Company LLC	Not less than 1/8	1538/507
				Pepe Patrick Jack Miller f/n/a Pat Miller and Kelly Anne Miller, h/w	CNX Gas Company LLC	Not less than 1/8	1631/74
				Kris Laws Miller and Robin McClary, her wife	CNX Gas Company LLC	Not less than 1/8	1623/273
				Raymond Wayne Frye	CNX Gas Company LLC	Not less than 1/8	1629/748
				Roselle J. Capshaw	CNX Gas Company LLC	Not less than 1/8	1622/345
				Jean Benke	CNX Gas Company LLC	Not less than 1/8	1622/350
				Kathleen Farmer	CNX Gas Company LLC	Not less than 1/8	1625/402
				A. E. Hennen, III	CNX Gas Company LLC	Not less than 1/8	1622/194
				John K. Hennen	CNX Gas Company LLC	Not less than 1/8	1622/699
				David Michael Hennen	CNX Gas Company LLC	Not less than 1/8	1622/204
				Mary Hennen	CNX Gas Company LLC	Not less than 1/8	1622/199
				Robert Douglas Hennen	CNX Gas Company LLC	Not less than 1/8	1623/263
				Morgan Haning	CNX Gas Company LLC	Not less than 1/8	1623/314
				Anne W. Haning	CNX Gas Company LLC	Not less than 1/8	1626/728
				Zachary C. Haning	CNX Gas Company LLC	Not less than 1/8	1633/514
				Catherine Haning Coleman	CNX Gas Company LLC	Not less than 1/8	1623/349
				Carlos Saucedo	CNX Gas Company LLC	Not less than 1/8	147/511
				Ezra Charles McDaniel	CNX Gas Company LLC	Not less than 1/8	147/511
				Patrick James Saucedo	CNX Gas Company LLC	Not less than 1/8	147/511
				Barbara Haning	CNX Gas Company LLC	Fee	1622/314
				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	CNX Gas Company LLC	Fee	1638/816
				Jerry B. Haines, II	CNX Gas Company LLC	Fee	1638/820
				Tonya Huntoon	CNX Gas Company LLC	Fee	1638/824
13B	1-9-40	239939000	Rose L. Thomas	George Shriver, himself and as Guardian of J. M. Shriver	J. P. Hagan	Not less than 1/8	118/190
				Lucy White and Edward White, her husband	The Philadelphia Company of West Virginia	Extension of Lease	118/192
				Dennis Haines, F.E. Liming and Ethel Liming, his wife	The Philadelphia Company of West Virginia	Extension of Lease	130/274
				Dennis Haines, F.E. Liming and Ethel Liming, his wife	The Philadelphia Company of West Virginia	Extension of Lease	130/275
				Dennis Haines, F.E. Liming and Ethel Liming, his wife	Pittsburgh and West Virginia Gas Company	Assignment	226/207
				The Philadelphia Company of West Virginia	Pittsburgh and West Virginia Gas Company	Assignment	226/244
				Pittsburgh and West Virginia Gas Company	Equitable Gas Company	Assignment	473/477
				Equitable Gas Company	Equitrans, Inc	Assignment	474/247
				Equitrans, Inc	Equitrans, L.P.	Assignment	261/633
				Equitrans, L.P.	Tri-County Oil & Gas, Inc.	Assignment	121/316
				Tri-County Oil & Gas, Inc.	Leatherwood, Inc.	Merger	89/200
				Leatherwood, Inc.	CNX Gas Company LLC	Assignment	113/012
13C	1-9-40.2	239939000	Rose L. Thomas	Rose Thomas, aka Rose L. Thomas	CNX Gas Company LLC	Not less than 1/8	1604/621
				Sarah C. Sheridan	CNX Gas Company LLC	Not less than 1/8	1639/527
				Gail T. Bellucci	CNX Gas Company LLC	Not less than 1/8	1653/686
				BOKF, NA, as Sole Trustee of the Alma Kirkland Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1637/103

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Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Sherry Lemons	CNX Gas Company LLC	Not less than 1/8	1627/700
				Melissa Kubshke	CNX Gas Company LLC	Not less than 1/8	1626/738
				Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1626/743
				Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	CNX Gas Company LLC	Not less than 1/8	1622/188
				Louise H. Berg, as Trustee of the Louise H. Berg Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1625/430
				Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	CNX Gas Company LLC	Not less than 1/8	1625/425
				Catherine C. Kirkland	CNX Gas Company LLC	Not less than 1/8	1627/705
				Morgan Haning	CNX Gas Company LLC	Not less than 1/8	1623/314
				Anne W. Haning	CNX Gas Company LLC	Not less than 1/8	1626/728
				Zachary C. Haning	CNX Gas Company LLC	Not less than 1/8	1633/534
				Catherine Haning Coleman	CNX Gas Company LLC	Not less than 1/8	1629/349
				Kathleen Farmer	CNX Gas Company LLC	Not less than 1/8	1625/402
				A. E. Hennen, III	CNX Gas Company LLC	Not less than 1/8	1622/699
				John K. Hennen	CNX Gas Company LLC	Not less than 1/8	1622/204
				David Michael Hennen	CNX Gas Company LLC	Not less than 1/8	1622/199
				Mary Hennen	CNX Gas Company LLC	Not less than 1/8	1623/263
				Robert Douglas Hennen	CNX Gas Company LLC	Not less than 1/8	1622/334
				Barbara Haning	CNX Gas Company LLC	Fee	1625/417
				Hugh Kirkland	CNX Gas Company LLC	Fee	1629/411
				Patrick Lee North, Individually and as co-executor of the Edward Lee North Estate	CNX Gas Company LLC	Fee	1629/420
				Diane H. Goncalves, Individually and as co-executor of the Edward Lee North Estate	CNX Gas Company LLC	Fee	1629/420
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
14	1-9-40.3	188607000	Curtis L. Thomas, et ux	George Shriver, himself and as Guardian of J. M. Shriver, Lucy White and Edward White, her husband	J P Hagan	Not less than 1/8	118/190
				Dennis Haines, F.E. Uiming and Ethel Uiming, his wife	The Philadelphia Company of West Virginia	Extension of Lease	118/192
				Dennis Haines, F.E. Uiming and Ethel Uiming, his wife	The Philadelphia Company of West Virginia	Extension of Lease	130/274
				Dennis Haines, F.E. Uiming and Ethel Uiming, his wife	The Philadelphia Company of West Virginia	Extension of Lease	130/275
				The Philadelphia Company of West Virginia	Pittsburgh and West Virginia Gas Company	Assignment	226/207
				Pittsburgh and West Virginia Gas Company	Equitable Gas Company	Assignment	226/244
				Equitable Gas Company	Equitrans, Inc	Assignment	474/477
				Equitrans, Inc	Equitrans, L.P.	Assignment	474/247
				Equitrans, L.P.	Tri-County Oil & Gas, Inc.	Assignment	26/633
				Tri-County Oil & Gas, Inc.	Leatherwood, Inc.	Assignment	121/316
				Leatherwood, Inc.	CNX Gas Company LLC	Assignment	89/200
						Merger	WVS005
						Assignment	113/012
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
15	1-9-40.1	188606000	Curtis L. Thomas, et ux	Curtis L Thomas and Diana B Thomas	CNX Gas Company LLC	Not less than 1/8	1524/542
				Gall T Belluzel	CNX Gas Company LLC	Not less than 1/8	1653/686
				Alma E. Kirkland Revocable Living Trust Agreement, Bank of Oklahoma N.A., Sole Successor Trustee	CNX Gas Company LLC	Not less than 1/8	1637/103
				Sherry Lemons	CNX Gas Company LLC	Not less than 1/8	1634/111
				Melissa Kubshke f/a/a Melissa Graham	CNX Gas Company LLC	Not less than 1/8	1634/116
				Pamela Jane Brewer	CNX Gas Company LLC	Not less than 1/8	1634/80
				Stephen D Kirkland and Julie D Kirkland, Trustees of the Kirkland Family Revocable Trust dated September 2, 1998	CNX Gas Company LLC	Not less than 1/8	1636/311
				Louise Kirkland Berg	CNX Gas Company LLC	Not less than 1/8	1631/89
				Christine A Kirkland, as Trustee of the Christine A Kirkland Trust	CNX Gas Company LLC	Not less than 1/8	1627/659
				Catherine C Kirkland	CNX Gas Company LLC	Not less than 1/8	1627/705
				Ann W Haning	CNX Gas Company LLC	Not less than 1/8	1626/728
				Morgan Haning	CNX Gas Company LLC	Not less than 1/8	1631/64
				Zachary Haning	CNX Gas Company LLC	Not less than 1/8	1633/314
				Catherine Haning Coleman	CNX Gas Company LLC	Not less than 1/8	1629/320
				Kathleen Farmer	CNX Gas Company LLC	Not less than 1/8	1629/320
				A E Hennen III	CNX Gas Company LLC	Not less than 1/8	1631/22
				John K Hennen	CNX Gas Company LLC	Not less than 1/8	1627/654
				David Michael Hennen	CNX Gas Company LLC	Not less than 1/8	1627/718
				Mary Hennen	CNX Gas Company LLC	Not less than 1/8	1627/713
				Robert Douglas Hennen	CNX Gas Company LLC	Not less than 1/8	1631/27
				Sarah Casey Sheridan	CNX Gas Company LLC	Not less than 1/8	1639/527
				Hugh Kirkland	CNX Gas Company LLC	Fee	1628/647
				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
				Barbara Haning	CNX Gas Company LLC	Fee	1628/641
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
16	1-9-18 1-9-18.1 1-9-18.2 1-9-18.3	188566000	Richard J. Cassone, et ux, et al	Samuel William Stewart and Barbara C. Stewart, individually and as husband and wife	CNX Gas Company LLC	Not less than 1/8	1587/336
				John Samuel Stewart	CNX Gas Company LLC	Not less than 1/8	1598/227
				Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
				Hir'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, h/w	CNX Gas Company LLC	Fee	1625/414
				Harold Creel and Martha Ann Creel, h/w	CNX Gas Company LLC	Fee	1622/310
				James Creel	CNX Gas Company LLC	Fee	1622/307
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
24	1-9-19	188567000	Consol Mining Company LLC	Bounty Minerals LLC	CNX Gas Company LLC	Not less than 1/8	1644/316
Tract ID	Tax Map & Parcel	Title Opinion QIS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
25A	1-9-9 1-9-9.1 1-9-9.2 1-9-9.4 1-9-9.5 1-9-9.6	188565000	Glenn L. White Trust, et al	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White h/w	CNX Gas Company LLC	Not less than 1/8	1614/136
				Marian Rebecca Stone Garrett	CNX Gas Company LLC	Not less than 1/8	1527/235
				Patricia Kathleen White Hoekstra	CNX Gas Company LLC	Not less than 1/8	1527/239
				Carol Sue Davis	CNX Gas Company LLC	Not less than 1/8	1517/242
				Richard H. Benson, II	CNX Gas Company LLC	Not less than 1/8	1520/494
				Edwin Ray White, II	CNX Gas Company LLC	Not less than 1/8	1520/502
				Anita Susan Talbott	CNX Gas Company LLC	Not less than 1/8	1521/773
				Robert L. Tate, Jr.	CNX Gas Company LLC	Not less than 1/8	1526/591
				Robert S. Elliott	CNX Gas Company LLC	Not less than 1/8	1529/679
				Donald Edward Stone	CNX Gas Company LLC	Not less than 1/8	1605/624
				Doris Jean White	CNX Gas Company LLC	Not less than 1/8	1605/329
				David Ray Stone	CNX Gas Company LLC	Not less than 1/8	1606/619
				Bettyann Reed	CNX Gas Company LLC	Not less than 1/8	1612/356
				Mary Ann Borkowski and Marc Borkowski	CNX Gas Company LLC	Not less than 1/8	1614/704
				Jan W. Ellison and Thomas A. Ellison	CNX Gas Company LLC	Not less than 1/8	1614/645
				Jane W. McIntyre and Glenn C. McIntyre	CNX Gas Company LLC	Not less than 1/8	1614/708
				Lucy Mae Stickley	CNX Gas Company LLC	Not less than 1/8	1529/675
				Nancy Emerick	CNX Gas Company LLC	Not less than 1/8	1614/145

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Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Marsha W. Byers and Stephen R. Byers	CNX Gas Company LLC	Not less than 1/8	1731/239
				Edith B. White	CNX Gas Company LLC	Not less than 1/8	1614/649
				Alvy Scott White	CNX Gas Company LLC	Not less than 1/8	1521/777
				Karen Imogene Meyer	CNX Gas Company LLC	Not less than 1/8	1520/498
				Candace L. McPherson	CNX Gas Company LLC	Not less than 1/8	1731/818
				Howard L. Leckey	CNX Gas Company LLC	Not less than 1/8	1731/813
				Dennis F. Hatton, Jr.	CNX Gas Company LLC	Not less than 1/8	1754/260
				Melinda Reid Hatton	CNX Gas Company LLC	Not less than 1/8	1754/377
				Three Rivers Royalty II, LLC	CNX Gas Company LLC	Not less than 1/8	1756/530
				Amanda Hatton	CNX Gas Company LLC	Not less than 1/8	147/509
				Frederick C. Tate	CNX Gas Company LLC	Fee	1615/700
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
25B	1-9-6	188565000	CNX RCPC LLC	David C. White a/k/a David Charles White and Regina S. White a/k/a Regina Sue White	CNX Gas Company LLC	Not less than 1/8	1614/136
				Marian Rebecca Stone Garrett	CNX Gas Company LLC	Not less than 1/8	1527/235
				Patricia Kathleen White Hoekstra	CNX Gas Company LLC	Not less than 1/8	1527/239
				Carol Sue Davis	CNX Gas Company LLC	Not less than 1/8	1517/242
				Richard H. Benson, II	CNX Gas Company LLC	Not less than 1/8	1520/494
				Edwin Ray White, II	CNX Gas Company LLC	Not less than 1/8	1520/502
				Jenita Susan Talbot	CNX Gas Company LLC	Not less than 1/8	1521/773
				Robert L. Tate, Jr.	CNX Gas Company LLC	Not less than 1/8	1526/591
				Robert S. Ellett	CNX Gas Company LLC	Not less than 1/8	1529/679
				Donald Edward Stone	CNX Gas Company LLC	Not less than 1/8	1605/624
				Doris Jean White	CNX Gas Company LLC	Not less than 1/8	1605/329
				David Ray Stone	CNX Gas Company LLC	Not less than 1/8	1606/619
				Bettyann Reed	CNX Gas Company LLC	Not less than 1/8	1612/556
				Mary Ann Borkowski and Marc Borkowski	CNX Gas Company LLC	Not less than 1/8	1614/704
				Jan W. Ellison and Thomas A. Ellison	CNX Gas Company LLC	Not less than 1/8	1614/645
				Jane W. McIntyre and Glenn C. McIntyre	CNX Gas Company LLC	Not less than 1/8	1614/708
				Lucy Mae Stickle	CNX Gas Company LLC	Not less than 1/8	1529/675
				Nancy Emerick	CNX Gas Company LLC	Not less than 1/8	1614/145
				Marsha W. Byers and Stephen R. Byers	CNX Gas Company LLC	Not less than 1/8	1731/239
				Edith B. White (Daniel Reed White Heirs)	CNX Gas Company LLC	Not less than 1/8	1614/649
				Alvy Scott White	CNX Gas Company LLC	Not less than 1/8	1521/777
				Karen Imogene Meyer	CNX Gas Company LLC	Not less than 1/8	1520/498
				Candace L. McPherson	CNX Gas Company LLC	Not less than 1/8	1731/818
				Howard L. Leckey	CNX Gas Company LLC	Not less than 1/8	1731/813
				Dennis F. Hatton, Jr.	CNX Gas Company LLC	Not less than 1/8	1754/260
				Melinda Reid Hatton	CNX Gas Company LLC	Not less than 1/8	1754/377
				Three Rivers Royalty II, LLC	CNX Gas Company LLC	Not less than 1/8	1756/530
				Amanda Hatton	CNX Gas Company LLC	Not less than 1/8	147/509
				Frederick C. Tate	CNX Gas Company LLC	Fee	1615/700
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
26A	1-9-6	257809000	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	CNX Gas Company LLC	Not less than 1/8	1673/100
				Martha Carol Grimes	CNX Gas Company LLC	Not less than 1/8	1534/742
				Mary Frances Grimes-Yeater	CNX Gas Company LLC	Not less than 1/8	1534/738
				Margaret Harriett Grimes-Bryan and John W. Bryan, w/h	CNX Gas Company LLC	Not less than 1/8	1535/754
				Karen S. Stewart and Randall L. Stewart, w/h	CNX Gas Company LLC	Not less than 1/8	1537/732
				Thomas Bradford Grimes	CNX Gas Company LLC	Not less than 1/8	1534/734
				Diana Williamson	CNX Gas Company LLC	Not less than 1/8	1538/224
				Mary Ann McGlumphy	CNX Gas Company LLC	Not less than 1/8	1539/601
				Myra Lynn Fitzsimmons	CNX Gas Company LLC	Not less than 1/8	1538/495
				Susan Kay Fitzsimmons	CNX Gas Company LLC	Not less than 1/8	1538/499
				Cynthia Kinder	CNX Gas Company LLC	Not less than 1/8	1534/533
				Lawrence Raymond Stiles and Winifred A. Stiles, h/w	CNX Gas Company LLC	Not less than 1/8	1636/390
				Joseph David Cross	CNX Gas Company LLC	Not less than 1/8	1645/102
				Rebecca Stiles	CNX Gas Company LLC	Not less than 1/8	1646/435
				Thomas Edward Stiles and Deborah K. Stiles, h/w	CNX Gas Company LLC	Not less than 1/8	1655/233
				Billy Gordon Fitzsimmons	CNX Gas Company LLC	Not less than 1/8	1662/183
				Shari Jo Murnane	CNX Gas Company LLC	Not less than 1/8	1666/797
				Michael Edwin Smith and Juliann M. Smith, h/w	CNX Gas Company LLC	Not less than 1/8	1680/841
				Robert Dean Smith and Cynthia Rae Smith, h/w	CNX Gas Company LLC	Not less than 1/8	1692/359
				Donald Ray Jordan	CNX Gas Company LLC	Not less than 1/8	1754/270
				Megan Jordan	CNX Gas Company LLC	Not less than 1/8	147/507
				Mary Beth Steele	CNX Gas Company LLC	Not less than 1/8	147/507
				Jan Marie Steele	CNX Gas Company LLC	Not less than 1/8	147/507
				Gary Arthur Kesteven and Nancy R. Kesteven, h/w	CNX Gas Company LLC	Fee	1686/548
				Wendy C. Hershoy f/k/a Wendy C. Kesteven	CNX Gas Company LLC	Fee	1686/543
				Sandra Haddell	CNX Gas Company LLC	Fee	1692/369
				Douglas Baker	CNX Gas Company LLC	Fee	1692/379
				Gloria Dunlap	CNX Gas Company LLC	Fee	1692/374
				David Stiles	CNX Gas Company LLC	Fee	1702/210
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
26B	1-9-7	257809000	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	CNX Gas Company LLC	Not less than 1/8	1673/100
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
27	1-2-25	198009000	Davin Austin Copeland	Davin Austin Copeland	CNX Gas Company LLC	Not less than 1/8	1616/68
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
38	1-2-9	257809000	Kevin Hartley, et ux	Kevin Hartley and Linda Hartley, h/w	CNX Gas Company LLC	Not less than 1/8	1673/100
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
39	1-2-8	195148000	Paul David Beck, et al	Bounty Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1694/225
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
40	1-2-8	195398000	Paul David Beck, et al	Bounty Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1694/225
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
42	1-2-8	205085000	Paul David Beck, et al	Bounty Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1694/225
				James W. Dorsey	CNX Gas Company LLC	Not less than 1/8	1638/720
				Janice Whitaker	CNX Gas Company LLC	Not less than 1/8	1638/714
				Janet Stukins	CNX Gas Company LLC	Not less than 1/8	1638/708
				Gary A. Booth	CNX Gas Company LLC	Not less than 1/8	1643/626
				David L. Booth	CNX Gas Company LLC	Not less than 1/8	1631/84
				Daniel B. Booth	CNX Gas Company LLC	Not less than 1/8	1634/96
				William C. Booth	CNX Gas Company LLC	Not less than 1/8	1631/79
				Judy A. Taylor	CNX Gas Company LLC	Not less than 1/8	1634/101
				Robert Campbell	CNX Gas Company LLC	Not less than 1/8	1638/771
				Kenneth Jeff Campbell	CNX Gas Company LLC	Not less than 1/8	1637/15
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
43	1-2-8	195399000	Paul David Beck, et al	Bounty Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1694/225
				James W. Dorsey	CNX Gas Company LLC	Not less than 1/8	1638/720
				Janice Whitaker	CNX Gas Company LLC	Not less than 1/8	1638/714
				Janet Stukins	CNX Gas Company LLC	Not less than 1/8	1638/708
				Gary A. Booth	CNX Gas Company LLC	Not less than 1/8	1643/626
				David L. Booth	CNX Gas Company LLC	Not less than 1/8	1631/84

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Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Daniel B. Booth	CNX Gas Company LLC	Not less than 1/8	1634/96
				William C. Booth	CNX Gas Company LLC	Not less than 1/8	1631/79
				Judy A. Taylor	CNX Gas Company LLC	Not less than 1/8	1634/101
				Robert Campbell	CNX Gas Company LLC	Not less than 1/8	1638/771
				Kenneth Jeff Campbell	CNX Gas Company LLC	Not less than 1/8	1637/15
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
44	1-2-12	205221000	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble; Denzie Kimble and Olive Irene Wright Kimble, h/w	Consolidation Coal Company	Fee	715/529
				Consolidation Coal Company	CNX Gas Company LLC	Deed	1300/1
				James W. Dorsey	CNX Gas Company LLC	Not less than 1/8	1638/720
				Janice Whitaker	CNX Gas Company LLC	Not less than 1/8	1638/714
				Janet Stukins	CNX Gas Company LLC	Not less than 1/8	1638/708
				Gary A. Booth	CNX Gas Company LLC	Not less than 1/8	1643/626
				David L. Booth	CNX Gas Company LLC	Not less than 1/8	1631/84
				Daniel B. Booth	CNX Gas Company LLC	Not less than 1/8	1634/96
				William C. Booth	CNX Gas Company LLC	Not less than 1/8	1631/79
				Judy A. Taylor	CNX Gas Company LLC	Not less than 1/8	1634/101
				Robert Campbell	CNX Gas Company LLC	Not less than 1/8	1638/771
				Kenneth Jeff Campbell	CNX Gas Company LLC	Not less than 1/8	1637/15
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
45	1-2-5	205203000	Consol Mining Company LLC	Flossie Kimble, widow of S. E. Kimble; Denzie Kimble and Olive Irene Wright Kimble, h/w	Consolidation Coal Company	Fee	715/529
				Consolidation Coal Company	CNX Gas Company LLC	Deed	1300/1
				Alakbar Afshari	EQT Production Company	Not less than 1/8	1509/582
				Amir H. Mohammadi	EQT Production Company	Not less than 1/8	1509/586
				EQT Production Company	CNX Gas Company LLC	Agreement	1775/220
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
48	1-2-4	195149000	Consol Mining Company LLC	James L. Taylor and DeEtta K. Taylor, his wife,	Consolidation Coal Company	Fee	710/104
				Consolidation Coal Company	CNX Gas Company LLC	Deed	1300/1
				Elkhorn Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1683/591

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4706101916

DEED Book 116/192

State of West Virginia,  
County of Monongalia, to-wit:

I, John M. Gregg, Clerk of the County Court of said County, do hereby certify,  
that the foregoing writing was this day produced to me in my said office, and together  
with the certificate thereunto annexed, was duly admitted to record therein.

Given under my hand, this 10 day of January, 1912.

John M. Gregg, Clerk.

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GEORGE SHRIVER ET AL.....)

TO

EXTENSION OF LEASE.

J.P.HAGAN - PHILADELPHIA CO., OF W.VA.....)

For and in consideration of the sum of One & no/100 Dollars (\$1.00) to us this  
day in hand paid by The Philadelphia Co., of West Va., the receipt of which sum is hereby  
acknowledged, we Dennis Haines, F.E.Liming and Ethel Liming, his wife of Burton W.Va., R.F.  
D.# 1, do hereby agree that a certain lease, for oil and gas purposes, of 37 acres of  
land in Battelle District, Monongalia County and State of West Virginia, (the said lease  
being dated the 7th day of May, A.D. 1906, and having been granted by George Shriver, et ux,  
to J.P.Hagan, and recorded in the office of the Clerk of the County Court of said County,  
in \_\_\_ Book, Vol. \_\_, page \_\_) shall be continued in force, and the term of said lease is  
hereby extended for a period of Two (2) years from the 7th day of May, A.D. 1911, and as  
much longer as oil or gas may be found in paying quantities on said land.

This extension is granted, under and subject to all the covenants, stipulations,  
terms, conditions and provisions which are contained in the said lease, except as to the  
amount of rental provided for in the same, for delay in completing a well on the land  
embraced therein, which shall be and is hereby fixed at the sum of One Hundred & no/100  
Dollars (\$100.00) yearly, payable quarterly in advance beginning May 7th, 1911, and continu-  
ing until a well shall be completed on the said land, or until the said lease shall be  
surrendered; the meaning and intent herein being that the said lease shall hereafter be  
construed as if the same had originally been granted for the term of Seven (7) years  
from the 7th day of May, A.D. 1906, (instead of Five years), and as much longer as oil or  
gas may be found in paying quantities on the said land.

And it is hereby agreed that the payment of any rentals which may be made under  
and by virtue of this extension, may be made by check or voucher to the order of Dennis  
Haines & F.E.Liming, mailed to Burton R.F.D.# 1, P.O. Wetzel County, West Virginia, or  
deposited to their credit in the Bank of Wadestown, Wadestown, W.Va.

FILED  
Mar 9 1912

It is further understood that if a paying gas well is drilled on said farm the parties of the first part are to use free gas for one dwelling on or off said premises.

In Witness Whereof, we have hereunto set our hands and seals, this 20th day of December, A.D. 1910.

Dennis Haines, (SEAL)  
F.E. Liming, (SEAL)  
Ethel Liming, (SEAL)

Signed, sealed and delivered in the presence of J.A. Jolliffe.

State of West Virginia, County of Monongalia, to-wit:

I, M.J. Garrison, a Notary Public of said County, do certify that Dennis Haines, F.E. Liming & Ethel Liming his wife, whose names are signed to the writing above, bearing date the 20 day of Dec., 1910, have this day acknowledged the same before me in my said County.

Given under my hand this 20 day of Dec., A.D. 1910.

M.J. Garrison, Notary Public.

My commission expires Dec., 10, 1919.

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State of West Virginia, County of Monongalia, to-wit:

I, John M. Gregg, Clerk of the County Court of said County, do hereby certify that the foregoing writing was this day produced to me in my said office, and together with the certificate thereunto annexed, was duly admitted to record therein.

Given under my hand, this 10 day of January, 1912.

John M. Gregg, Clerk.

-----oO-----



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

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

October 5, 2022

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

**RE: Road Letter – WDTN18 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](mailto:SarahWeigand@cnx.com).

Sincerely,

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

Sarah Weigand

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12/02/2022

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

Date of Notice Certification: 10/17/2022

API No. 47- \_\_\_\_\_  
 Operator's Well No. WDTN18UHSM  
 Well Pad Name: WDTN18

**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>555024.467</u>
County: <u>MONONGALIA</u>		Northing: <u>4393679.44</u>
District: <u>BATELLE</u>	Public Road Access: _____	<u>CAMP RUN ROAD, CR 4</u>
Quadrangle: <u>WADESTOWN</u>	Generally used farm name: _____	<u>CONSOL</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.

<p>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:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><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</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p align="center"><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p>
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**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.



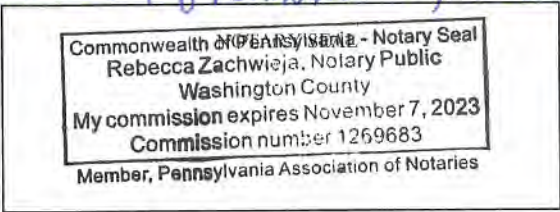
4706101916

**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 Address: 1000 HORIZON VUE DRIVE  
By: SARAH WEIGAND Sarah Weigand CANONSBURG, PA 15317  
Its: MANAGER PERMITTING SERVICES Facsimile: \_\_\_\_\_  
Telephone: 724-485-3244 Email: SARAHWEIGAND@CNX.COM

Commonwealth of Pennsylvania, County of Washington



Subscribed and sworn before me this 4<sup>th</sup> day of October, 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](mailto:depprivacyofficer@wv.gov).

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WW-6A  
(9-13)

API NO. 47-06101916  
OPERATOR WELL NO. WDTN18UHSM  
Well Pad Name: WDTN18

**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:** 10/17/2022 **Date Permit Application Filed:** 10/19/2022

**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: CONSOL MINING COMPANY, LLC  
Address: 275 TECHNOLOGY DRIVE, STE 101  
CANONSBURG, PA 15317

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: CONSOL MINING COMPANY, LLC  
Address: 275 TECHNOLOGY DRIVE, STE 101  
CANONSBURG, PA 15317

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: SEE ATTACHED  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

RECEIVED  
Office of Oil & Gas  
OCT 19 2022  
WV Department of  
Environmental Protection

12/02/2022

**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.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 wellpads 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

WW-6A  
(8-13)

API NO. 47-06101916  
OPERATOR WELL NO. WDTN18UHSM  
Well Pad Name: WDTN18

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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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.**

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**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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(8-13)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. WDTN18UHSM  
Well Pad Name: WDTN18

**Notice is hereby given by:**

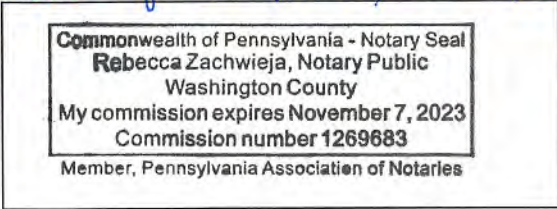
Well Operator: CNX GAS COMPANY LLC  
Telephone: 724-485-3244  
Email: SARAHWEIGAND@CNX.COM *Sarah Weigand*

Address: 1000 HORIZON VUE 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](mailto:depprivacyofficer@wv.gov).

*Commonwealth of Pennsylvania, County of Washington*



Subscribed and sworn before me this 4<sup>th</sup> day of October, 2022.  
Rebecca Zachwieja Notary Public  
My Commission Expires November 7, 2023

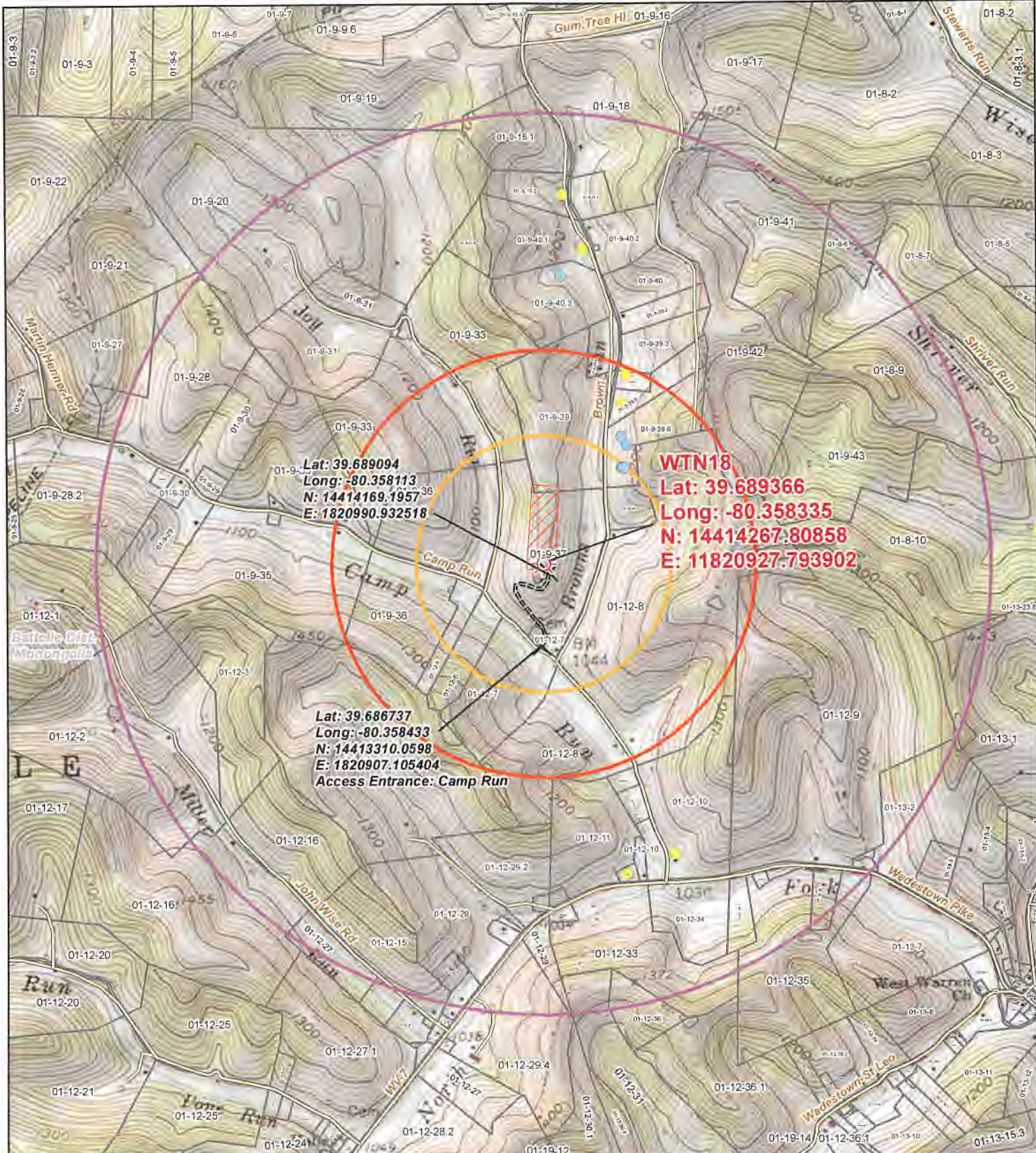
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Commonwealth of Pennsylvania, Notary Seal

My commission expires November 3, 2023  
Commission number 1388633  
Member, Pennsylvania Association of Notaries  
Washington County  
Notary Public  
Commonwealth of Pennsylvania - Notary Seal

Notary Seal  
November 3, 2023

Environmental Protection  
my Department in  
OCT 1 2022



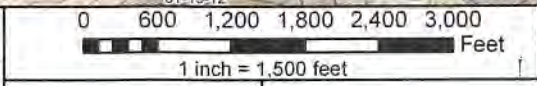
Lat: 39.689094  
 Long: -80.358113  
 N: 14414169.1957  
 E: 1820990.932518

**WTN18**  
 Lat: 39.689366  
 Long: -80.358335  
 N: 14414267.80858  
 E: 11820927.793902

Lat: 39.686737  
 Long: -80.358433  
 N: 14413310.0598  
 E: 1820907.105404  
 Access Entrance: Camp Run

**Legend**

- Wellbore
- Access Points
- Water Well
- Spring
- Access Road
- 1,500 ft Buffer
- 2,500 ft Buffer
- 1 Mile Buffer
- WDTN18 Pad LOD
- Surface Parcel



Original Date: 9/23/2022	Prepared By: GIS
Revision Date: 9/23/2022	Approved By: GIS

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**CNX**  
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 Topographic Well Map  
**WTN18**  
 WV Department of Environmental Protection  
 12/02/2022



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<b><u>Surface Ownership</u></b>	
<b><u>Name</u></b>	<b><u>Address</u></b>
Consol Mining Company, LLC	275 Technology Drive Ste 101, Canonsburg, PA 15317

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<b>Coal Ownership - Pittsburgh Vein &amp; All other veins</b>	
<u>Name</u>	<u>Address</u>
1) Consolidation Coal Company	
2) Murray Energy Corporation	
3) Ohio Valley Resources, Inc.	
4) CCC Land Resources LLC	46226 National Road, St. Clairsville, Ohio 43950
5) CCC RCPC LLC	
6) The Marion County Coal Company	
7) Monongalia County Coal Resources	
Consol Mining Company, LLC	275 Technology Drive, Ste 101, Canonsburg, PA 15317

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<b>Surface Owner of Water Well and/or Water Purveyor(s)</b>	
<b><u>Name</u></b>	<b><u>Address</u></b>
Gary L. & Teresa S. Forquer	218 Brown Run Road, Burton, WV 26562
Christopher Price	121 Maple Ridge Road, Greensboro, PA 15338
James Vernon Agues, Georgia Marie & Gail A. Henderson	274 Brown Run Road, Burton, WV 26562

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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:** 10/17/2022 **Date Permit Application Filed:** 10/19/2022

**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: CONSOL MINING COMPANY, LLC  
Address: 275 TECHNOLOGY DRIVE, STE 101  
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:

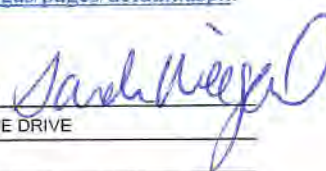
State: WEST VIRGINIA      UTM NAD 83      Easting: 555024.467  
County: MONONGALIA      Northing: 4393679.44  
District: BATELLE      Public Road Access: CAMP RUN ROAD CR 4  
Quadrangle: WADESTOWN      Generally used farm name: CONSOL  
Watershed: DUNKARD CREEK

**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: CNX GAS COMPANY LLC  
Address: 1000 HORIZON VUE DRIVE  
CANONSBURG, PA 15317  
Telephone: 724-485-4000  
Email: SARAHWEIGAND@CNX.COM  
Facsimile: \_\_\_\_\_

Authorized Representative: SARAH WEIGAND   
Address: 1000 HORIZON VUE 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 or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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12/02/2022

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<b><u>Surface Ownership</u></b>	
<b><u>Name</u></b>	<b><u>Address</u></b>
Consol Mining Company, LLC	275 Technology Drive Ste 101, Canonsburg, PA 15317

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Environmental Protection

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(1/12)

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:** 10/17/2022 **Date Permit Application Filed:** 10/19/2022

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

- CERTIFIED MAIL  HAND
- RETURN RECEIPT REQUESTED 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: <u>CONSOL MINING COMPANY, LLC</u>	Name: _____
Address: <u>275 TECHNOLOGY DRIVE, STE 101</u>	Address: _____
<u>CANONSBURG, PA 15317</u>	_____

**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: <u>WEST VIRGINIA</u>	UTM NAD 83	Easting: <u>555024.467</u>
County: <u>MONONGALIA</u>		Northing: <u>4393679.44</u>
District: <u>BATELLE</u>	Public Road Access: <u>CAMP RUN ROAD, CR 4</u>	
Quadrangle: <u>WADESTOWN</u>	Generally used farm name: <u>CONSOL</u>	
Watershed: <u>DUNKARD CREEK</u>		

**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: <u>CNX GAS COMPANY LLC</u>	Address: <u>1000 HORIZON VUE DRIVE, CANONSBURG, PA 15317</u>
Telephone: <u>724-485-4000</u>	
Email: <u>SARAHWEIGAND@CNX.COM</u>	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](mailto:depprivacyofficer@wv.gov).

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<u>Surface Ownership</u>	
<u>Name</u>	<u>Address</u>
Consol Mining Company, LLC	275 Technology Drive Ste 101, Canonsburg, PA 15317

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7022 0410 0002 1862 7710

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**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Canonsburg, PA 15317

Certified Mail Fee	\$4.00
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$4.80
<b>Total Postage and</b>	<b>\$8.80</b>

0518  
1  
Postmark Here  
OCT 17 2022  
10/17/2022

Sent To  
Street and Apt. No.  
City, State, ZIP+4

Consol Mining Company, LLC  
275 Technology Drive, Ste 101  
Canonsburg, PA 15317

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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OCT 19 2022  
WV Department of  
Environmental Protection

12/02/2022



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF WELL WORK OR SITE PREPARATION**

**Notice Time Requirement:** The notice shall be provided within **SEVEN (7)** days but no less than **TWO (2)** days before commencement.

**Date of Notice:** 10/17/2022 **Date of Well Work/Site Preparation:** 10/19/2022

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

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

Pursuant to West Virginia Code § 22-6A-10(h), the surface owners described in subdivisions (1), (2) and (4), subsection (b) of this section, and the coal owner, operator or lessee described in subdivision (3) of that subsection is also entitled to receive notice within seven days but no less than two days before commencement that well work or site preparation work that involves any disturbance of land is expected to commence.

Pursuant to W. Va. Code § 22-6A-10(h), the following, as described in W. Va. Code § 22-6A-10(b), must be noticed: (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; (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; and (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.

**Notice is hereby provided to:**

SURFACE OWNER(s)  
 Name: CONSOL MINING COMPANY, LLC  
 Address: 275 TECHNOLOGY DRIVE, STE 101  
CANONSBURG, PA 15317

SURFACE OWNER(s) (Impoundments/Pits)  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)  
 Name: CONSOL MINING COMPANY, LLC  
 Address: 275 TECHNOLOGY DRIVE, STE 101  
CANONSBURG, PA 15317

COAL OWNER, OPERATOR OR LESSEE  
 Name: SEE ATTACHED  
 Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(h), notice is hereby given that the undersigned well operator will be commencing well work or site preparation work that involves a disturbance of land.

**Notice is hereby given by:**

Well Operator: CNX GAS COMPANY LLC Address: 1000 HORIZON VUE DRIVE, CANONSBURG, PA 15317  
 Telephone: 724-485-4000  
 Email: SARAHWEIGAND@CNX.COM *Sarah Weigand* Facsimile: \_\_\_\_\_

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

**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](mailto:depprivacyofficer@wv.gov).

12/02/2022

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<u>Surface Ownership</u>	
<u>Name</u>	<u>Address</u>
Consol Mining Company, LLC	275 Technology Drive Ste 101, Canonsburg, PA 15317

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<b><u>Coal Ownership - Pittsburgh Vein &amp; All other veins</u></b>	
<b><u>Name</u></b>	<b><u>Address</u></b>
1) Consolidation Coal Company	
2) Murray Energy Corporation	
3) Ohio Valley Resources, Inc.	
4) CCC Land Resources LLC	46226 National Road, St. Clairsville, Ohio 43950
5) CCC RCPC LLC	
6) The Marion County Coal Company	
7) Monongalia County Coal Resources	
Consol Mining Company, LLC	275 Technology Drive, Ste 101, Canonsburg, PA 15317

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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

September 27, 2022

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

Subject: DOH Permit for the WDTN 18 Pad Monongalia County  
WDTN 18UHSM Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2022-0666 which has been issued to CNX Gas Company LLC for access to the State Road for a well site located off Monongalia County Route 4 SLS MP 3.08.

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 Operations Engineer  
Central Office O&G Coordinator

Cc: Becky Zachwieja  
Antero Resources  
CH, OM, D-4  
File

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## 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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Blacksville Mine

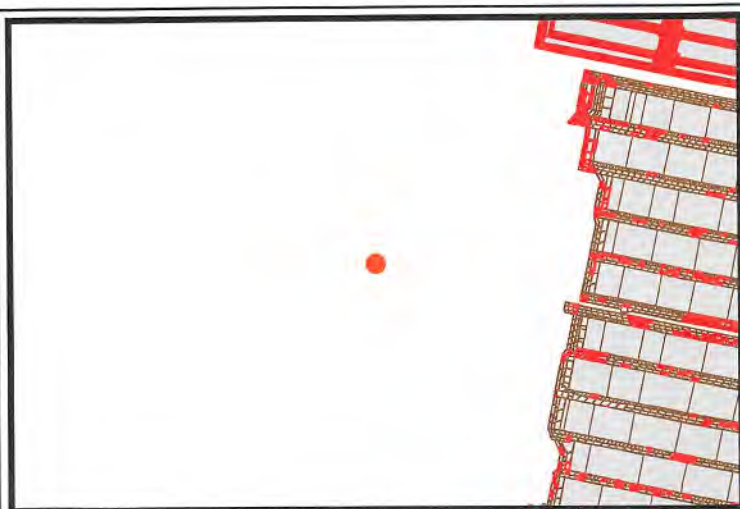
WDTN18UHSM

8,487ft

6,157ft

Federal No. 2 Mine

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



1 inch = 2,000 feet	
Date: 9/23/2022	Prepared By: GIS
Revisions:	Approved By:
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.	

**CNX**

**WDTN18UHSM  
Mine Map**

12/02/2022

# National Flood Hazard Layer FIRMette

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OCT 19 2022  
FEMA

39°41'36.06"N



USGS The National Map, Orthoimagery, Data refreshed April, 2019.

0 250 500 1,000 1,500 2,000 Feet 1:6,000 39°41'8.37"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
    - Without Base Flood Elevation (BFE) Zone A, V, A99
    - With BFE or Depth Zone AE, AO, AH, VE, AR
    - Regulatory Floodway
  
  - OTHER AREAS OF FLOOD HAZARD**
    - 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X)
    - Future Conditions 1% Annual Chance Flood Hazard (Zone X)
    - Area with Reduced Flood Risk due to Levee, See Notes, (Zone X)
    - Area with Flood Risk due to Levee (Zone D)
  
  - OTHER AREAS**
    - NO SCREEN Area of Minimal Flood Hazard (Zone X)
    - Effective LOMRs
    - Area of Undetermined Flood Hazard (Zone X)
  
  - GENERAL STRUCTURES**
    - Channel, Culvert, or Storm Sewer
    - Levee, Dike, or Floodwall
  
  - OTHER FEATURES**
    - Cross Sections with 1% Annual Chance Water Surface Elevation 17.5
    - Coastal Transect
    - Base Flood Elevation Line (BFE)
    - Limit of Study
    - Jurisdiction Boundary
    - Coastal Transect Baseline
    - Profile Baseline
    - Hydrographic Feature
  
  - MAP PANELS**
    - Digital Data Available
    - No Digital Data Available
    - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2019 at 12:59:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

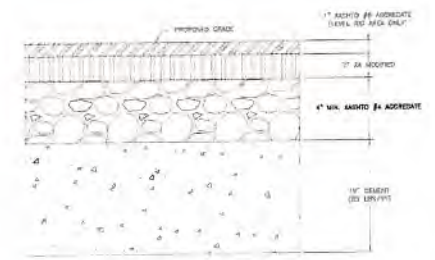
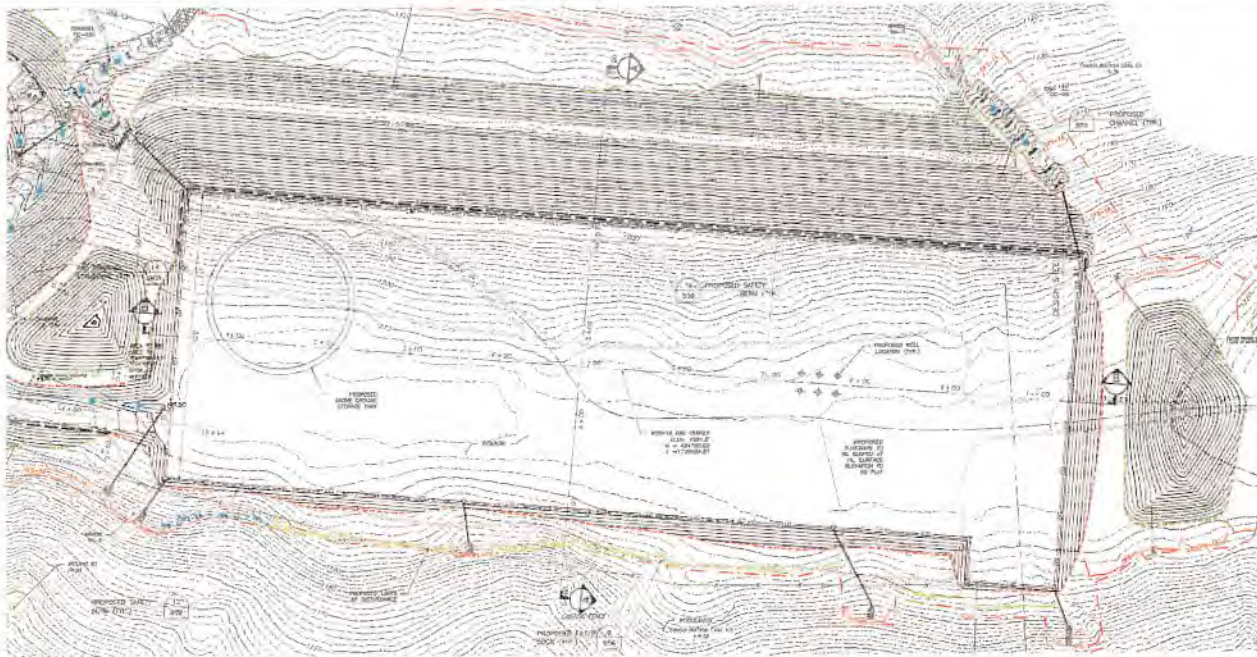
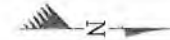
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

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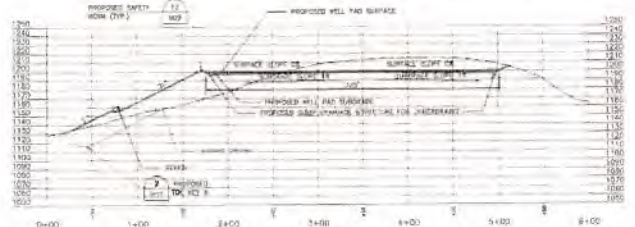


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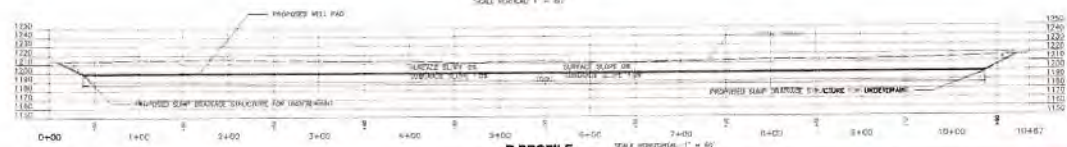


NOTE: ASHITS AS WELL ONLY TO BE UTILIZED ON WELL PAD LEVEL BY AREA.

**WELL PAD STONE SECTION**  
NOT TO SCALE



**A PROFILE**  
SCALE HORIZONTAL: 1" = 50'  
SCALE VERTICAL: 1" = 50'

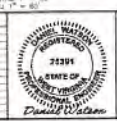


**B PROFILE**  
SCALE HORIZONTAL: 1" = 50'  
SCALE VERTICAL: 1" = 50'

**APPROVED**  
**WVDEP OOG**  
*[Signature]* 11/28/2022

REVISIONS	
NO.	DESCRIPTION

REVISIONS	
NO.	DESCRIPTION



**CNX**  
CNX GAS COMPANY  
1000 CONSOL ENERGY DRIVE  
GANDYSBURG, PA 15317

**KEYSTONE**  
32 EAST MAIN STREET  
CANONVILLE, PA 15106  
www.keystoneenergy.com

DATE	11/28/2022
BY	[Signature]
CHECKED BY	[Signature]
SCALE	AS SHOWN

WOTWEN WELL PAD  
**WELL PAD CROSS SECTIONS**

DRAWING NUMBER  
**905**

