

09/28/2018



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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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, September 27, 2018  
NOTICE OF PERMIT CANCELLATION  
Horizontal 6A / New Drill

CNX GAS COMPANY LLC  
POST OFFICE BOX 1248

JANE LEW, WV 263786506

Re: Permit cancellation for WDTN5CHSU  
47-061-01807-00-00

The FINAL INSPECTION REPORT for the CANCELLED PERMIT, issued for U.S. Well Number 47-061-01807-00-00 , has been received by the Office of Oil and Gas. The permit has been cancelled as of 9/27/2018 .

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over the typed name and title.

Operator's Well Number: WDTN5CHSU  
Farm Name: JOHN M. WISE  
U.S. WELL NUMBER: 47-061-01807-00-00  
Horizontal 6A New Drill  
Date Cancelled: 9/27/2018

Promoting a healthy environment.

09/28/2018

**Rhodes, Jacob K**

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**From:** Brewer, Charles T  
**Sent:** Friday, September 14, 2018 12:02 PM  
**To:** Whetstone, Erika; Adkins, Laura L  
**Cc:** Hoon, Raymond; Rhodes, Jacob K  
**Subject:** RE: Hold Request

I will get with Jacob and have him return the applications. Thanks.

**Taylor Brewer, B.S., M.S.**  
Assistant Chief - Permitting  
WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
304-926-0499 ext. 1547

**From:** Whetstone, Erika <ErikaWhetstone@cnx.com>  
**Sent:** Friday, September 14, 2018 11:58 AM  
**To:** Brewer, Charles T <Charles.T.Brewer@wv.gov>; Adkins, Laura L <Laura.L.Adkins@wv.gov>  
**Cc:** Hoon, Raymond <RaymondHoon@cnx.com>  
**Subject:** RE: Hold Request

Good afternoon,  
CNX Gas Company, LLC would like to withdraw the following applications that were submitted for review:

Well "WDTN5AHSU" API# 47-061-01805  
Well "WDTN5CHSU" API# 47-061-01807

Please let me know if you need any additional information or documentation.

Erika

**Erika Whetstone**  
CNX | Permitting Manager WV/OH  
CNX Center | 1000 CONSOL Energy Drive | Canonsburg, PA 15317  
(724) 485-4035 –w | (724) 317-2224 –m

**From:** Brewer, Charles T <[Charles.T.Brewer@wv.gov](mailto:Charles.T.Brewer@wv.gov)>  
**Sent:** Thursday, August 30, 2018 12:39 PM  
**To:** Adkins, Laura L <[Laura.L.Adkins@wv.gov](mailto:Laura.L.Adkins@wv.gov)>  
**Cc:** Whetstone, Erika <[ErikaWhetstone@cnx.com](mailto:ErikaWhetstone@cnx.com)>  
**Subject:** Fwd: Hold Request

Laura, can you please see that these go on hold?

Sent from my iPhone

Begin forwarded message:



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street SE, Charleston, WV 25304  
304-926-0499 Ext 1274

Barry K. Lay, Chairman  
dep.wv.gov

July 24, 2018

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-061-01807

COMPANY: CNX Gas Company, LLC

FARM: WDTN5CHSU

COUNTY: Monongalia DISTRICT: Battelle QUAD: Wadestown

The deep well review of the application for the above company is Approved to drill to the Point Pleasant for completion. Pooling Docket No. 264-253

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Comments to Notice of Deviation filed? None
2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners? yes
3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells: \*yes, Docket 264-253 Exception Location Hearing; 47-061-01805 and 47-061-01806
4. Provided a plat showing that the proposed location is a distance of 400+ feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

A handwritten signature in blue ink that reads "Susan Rose".

Susan Rose  
Administrator

**4706301807**

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 Battelle Wadestown  
Operator ID County District Quadrangle

2) Operator's Well Number: WDTN5CHSU Well Pad Name: WDTN5

3) Farm Name/Surface Owner: Wise Public Road Access: CR6 Wise Run

4) Elevation, current ground: 1400 Elevation, proposed post-construction: 1389

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

(b) If Gas Shallow  Deep   
Horizontal

6) Existing Pad: Yes or No No *May 2 KD 4/24/2018*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Point Pleasant, Top=13,270', 75' thick, expected formation pressure ~12,000 psi

8) Proposed Total Vertical Depth: 13,335'

9) Formation at Total Vertical Depth: Point Pleasant

10) Proposed Total Measured Depth: 18,845'

11) Proposed Horizontal Leg Length: 4,742'

12) Approximate Fresh Water Strata Depths: 125', 1070'

13) Method to Determine Fresh Water Depths: Depth of bit when water shows in flowline or depth when misting is required

14) Approximate Saltwater Depths: 2180', 2625'

15) Approximate Coal Seam Depths: 709', 970', 1058', 1063'

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: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	N	L/S	99.0	129	100	CTS 122CF
Fresh Water	18.625	N	J-55	87.5	1409	1380	CTS1724CF
Coal	18.625	N	J-55	87.5	1409	1380	CTS 1724CF
Intermediate	13.375	N	J-55	61.0	3084	3055	CTS 2190CF
Intermediate	9.625	N	P-110	43.5	12062	12033	TOC@2855, 2882CF
Production	5.5	N	Q-125	23.0	18874	18845	TOC@7500, 2708CF
Tubing	2.375	N	J-55	4.7			

Liners N/A

*Harper J. King 4/11/2018*

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	26	30	0.375	N/A	N/A	Type 1	1.18
Fresh Water	18.625	24	0.435	2250	<500	Class A	1.19
Coal	18.625	24	0.435	2250	<500	Class A	1.19
Intermediate	13.375	17.5	0.430	3090	<2475	Class A	1.19
Intermediate	9.625	12.25	0.435	8700	<7000	Class A	2.03 / 1.24
Production	5.5	8.5	0.415	16510	~12500 during frac	Class H	1.24
Tubing	2.375	N/A	0.190	7700	N/A	N/A	N/A
Liners	N/A						

PACKERS

Kind:	n/a			
Sizes:				
Depths Set:				

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

Construct well pad and access road. Utilize conductor rig to set 26" conductor into solid rock and cement back to surface. MIRU drilling rig. Air drill 24" hole. Run and cement 18-5/8" fresh water/coal casing. Note that the FW/coal casing will be set just above elevation - the casing will NOT be set below ground level (setting depth to isolate sloughing formations and red beds below the Pittsburgh coal seam). Air drill 17-1/2" hole. Run and cement 13-3/8" 1st intermediate casing. Air drill 12-1/4" hole (this section is typically directionally drilled with a slant or S-turn profile for anti-collision and for lateral spacing). Displace hole with 12.5 ppg SOBMs. Run and cement 9-5/8" 2nd intermediate casing. Drill 8-1/2" production hole from casing shoe to curve KOP. Drill 8-1/2" curve from KOP to landing point. Plan to land with 14.0-14.5 ppg SOBMs. Continue drilling 8-1/2" lateral to TD (geosteer this section to remain in 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 ~12,500 psi and max anticipated treating pump rate is 80-90 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): 46.90

22) Area to be disturbed for well pad only, less access road (acres): 5.4

23) Describe centralizer placement for each casing string:

Fresh water/coal string: centralize shoe joint and every 3rd joint to surface - utilize bow spring centralizers.  
Intermediate strings: centralize shoe joint and every 3rd joint to surface and/or TOC - utilize bow spring centralizers.  
Production string: centralize every joint from shoe to KOP and then every 3rd joint from KOP 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. 1st intermediate string: Class A cement with 0%-2% CaCl<sub>2</sub> and 1/4 pps cello-flake/LCM. 2nd intermediate string: Class A cement, lead and tail with dry blend and/or liquid additives. Production string: Class 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:

Top hole air sections are typically vertical holes - will ensure the hole is clean at section TD prior to TOOH to run casing (may require mist and/or soap to clean the hole). For 12-1/4" hole - load hole with 12.5 ppg SOBMs and circulate hole clean. For the production hole - once at TD, circulate at max flowrate with max rotation until the shakers clean-up (typically requires multiple bottoms-up). For the production casing - once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.

\*Note: Attach additional sheets as needed.

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Office of Oil and Gas

09/28/2018  
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## WDTN5 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 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-5C-HSU (Utica HZ)**  
**Utica Shale Horizontal**  
**Monongalia County, WV**

Ground Elevation				WDTN-5C-HSU SHL				N 440510.96, E 1764429.72 (NAD27)		
1390' GL Elevation				WDTN-5C-HSU LP				N 442111.76, E 1765190.69 (NAD27)		
Azimuth				WDTN-5C-HSU BHL				N 445464.42, E 1761838.03 (NAD27)		
315°				WDTN-5C-HSU BHL				N 445464.42, E 1761838.03 (NAD27)		
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	MD	TVD	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
	30"	26" L/S	Conductor	100	100	AIR	To Surface	N/A	N/A	Stabilize surface fill/soil
			Shallowest Fresh Water		125					
	24"	18-5/8" 87.5# J-55 BTC	Waynesburg 1 Coal		709	AIR / FW Mist	15.6 ppg Class A 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface (bow spring)	Ensure the hole is clean at section TD	Set through FW & coal zones Cemented to surface  18-5/8" shoe NOT to be set deeper than ground level!
			Pittsburgh Coal		1063					
			FW/Coal Casing	1380	1380					
	17-1/2"	13-3/8" 61.0# J-55 BTC	Big Lime		2475	AIR / Soap	15.6 ppg Class A 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface (bow spring)	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
			Big Injun		2565					
			Price		2805					
			1st Intermediate Csg	3055	3055					
	12-1/4"	9-5/8" 43.5# P-110 LTC	Gordon		3390	AIR / Brine	Lead: 12.5 ppg Class A Yield = 2.03 TOL @ >= 200' above 13-3/8" shoe  Tail: 15.2 ppg Class A Yield = 1.24 TOT @ ~1000' above 9- 5/8" shoe  10% OH Excess  TOC @ >= 200' above 13-3/8" shoe	Centralize every 3rd joint from shoe to TOC (bow spring)	Ensure the hole is clean at section TD  Load hole with SOBIM prior to running casing  Displace cement with SOBIM	Casing to be set ~100' TVD into the Reedsville  Note: For all strings, actual centralizer placements may be changed due to hole conditions  Note: For all strings, actual cement blends may vary slightly depending upon service company utilized
			Elks		5165					
			Tully		7530					
			Marcellus		7670					
			Onondaga		7740					
			Salina		8620					
			Lockport		9365					
			Tuscarora		10590					
			Queenston		10840					
			Reedsville		11860					
	8-1/2" Curve & Lateral	5-1/2" 23.0# Q-125 VAR	2nd Intermediate Csg	12033	11960	14.0-14.5 ppg SOBIM	15.6 ppg Class H 10% OH Excess Yield = 1.24 TOC @ ~7500'	Centralize every joint from shoe to KOP (single-piece/rigid bow centralizers)	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up). Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.	
Utica				13130						
Point Pleasant				13270						
		Production Casing	18845	13335						

LP @ +/- 13335' TVD

8-1/2" Hole - Cemented Long String  
5-1/2" 23.0# Q-125 VAR

+/- 4742' Lateral

TD @ +/- 13335' TVD

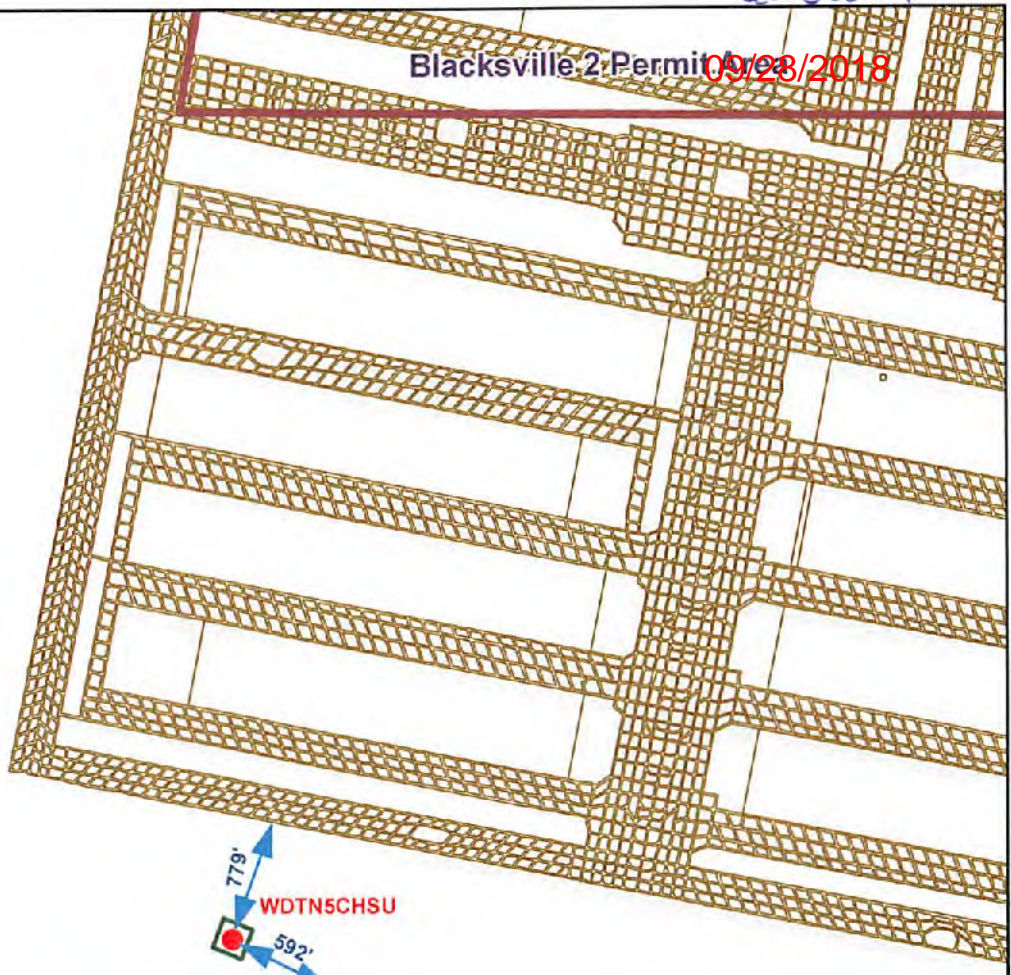
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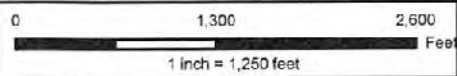
Blacksville 2 Permit 09/28/2018



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### Legend

- Well Location
- Mine Workings
- Mined Out
- 200'x200' SQ Coal Block
- Active Permit



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 consent. Copyright CNX Resources Corp. 2018

Prepared By: ljs0lni
Original Date: 3/28/2018
Revision No:
Revision Date:



**CNX Gas Well  
WDTN5CHSU  
Mine Plan Map**

61-01807

09/28/2018

CNX Gas Company LLC

Conventional Operator Notice and Monitoring Plan – Hydraulic Fracturing Activity

**WDTN5Well Pad**

Monongalia, West Virginia



**Purpose:**

The purpose of this hydraulic fracturing monitoring plan is to identify and notify any potentially affected conventional well operators near planned CNX hydraulic fracturing activity.

CNX has evaluated the existing geologic conditions in the area, and the potential for communication between the geologic zone being stimulated by CNX and the zone being produced by the conventional wells exists.

This plan is being implemented as an additional safety measure to be utilized in conjunction with the existing best management practices and the site safety/emergency response plans included for the site.

**1. Communications with Conventional Well Operators**

CNX has identified all known conventional wells and well operators within five hundred feet (500') of this pad and lateral sections pursuant to WV Code 35 CSR 8(5.11). A list and map of these wells and operators is provided as **Attachment A**.

Upon approval of this plan, CNX will notify operators identified in the referenced attachment, via letter, of the anticipated fracturing schedule associated with this pad. A copy of this letter is included as **Attachment B**, and includes the recommended steps a conventional operator can take to ensure safe and compliant operations.

**2. Reporting**

CNX will provide information relating to the hydraulic fracturing schedule, any communication with conventional operators, and ongoing monitoring of the work upon request of the OOG or immediately in the event of any discovered abnormalities that create additional risk or concern.

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**Attachment A:  
Map and List of Conventional Operators in the WDTN5 Project Area**



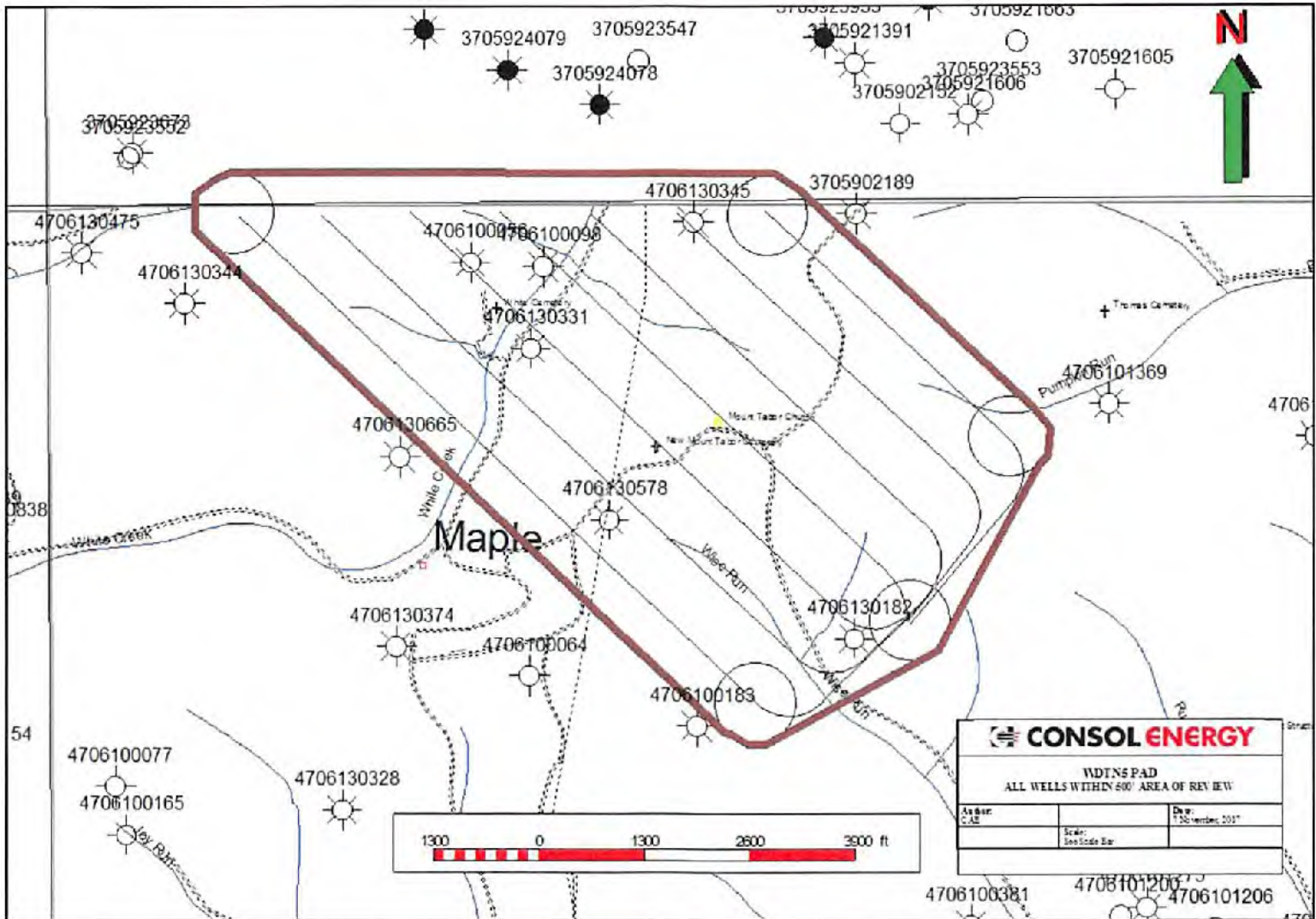


API	OPERATOR	WELL NAME	WELL #	STATUS	TD	STATUS COMMENTS	DISTANCE FROM LATERAL	PERMIT DATE
4706130345	Manufacturers Light and Heat Company	Hennen #1	1	P&A	3448	Plugged 3/15/1948	50'	1926
4706100098	Carnegie Production Company	Sarah J. White	1-555	P&A	3248	Plugged 1938	130'	1916
4706100056	Manufacturers Light and Heat Company	Alex White	2	P&A	3475	Plugged 11/23/1949	40'	1916
4706130331	Manufacturers Light and Heat Company	Thomas White Heirs	3	P&A	3331	Plugged 10/14/1946	220'	1925
4706130578	Equitable Gas Company	Jasper Shriver	5039	P&A	3154	Plugged 12/22/1953	330'	1913
4706130182	Pittsburgh & WV Gas	Zoa Wise	5375	P&A	3558	Plugged 1938	170'	1928

# WDTN5 PAD GEOLOGICAL PROGNOSIS

	Soil and Rock	Unknown		Top Soil and Rock
428	Zones of Potential circulation loss	WATER		
	Deepest Water Well Depth (within			
591	2500')	WATER		
	<b>SURFACE / WATER STRING</b>			
704	Waynesburg 2	0.95	no	
709	Waynesburg 1	3.24	yes	
970	Sewickley Coal	6.18	yes	Coal
1058	Roof Coal Zone	4.2	yes	
1063	Pittsburgh Coal	7.34	yes	
1155	<b>COAL SEAM CASING DEPTH</b>			
1530	Brush Creek Coal	0.76	no	
1643	Upper Freeport Coal	1.56	no	
1681	Lower Freeport Coal	1.47	no	
1745	Upper Kittanning Coal	1.18	no	Coal
1853	Lower Kittanning Coal	0.98	no	
1903	Clarion	1.55	no	
1973	Brookville Coal	0.1	no	
2475	Big Lime			Limestone
2565	Big Injun	GAS / WATER		Sand
2805	Price Formation			Shale
2950	<b>INTERMEDIATE CASING DEPTH</b>			
3255	50 Foot	OIL & GAS		Sandstone
3390	Gordon	GAS / WATER		Sandstone
3515	Fifth	GAS / WATER		Sandstone
3565	Bayard	OIL&GAS / WATER		Sandstone
5165	Elk	GAS		Siltstone
7145	Rhinestreet	GAS		Grey Shale
7360	Cashaqua	Confining Layer		Shale
7505	Burket	GAS		Black Shale
7530	Tully	Confining Layer		Limestone
7565	Hamilton			Grey Shale
7670	Upper Marcellus	GAS		Black Shale
7705	Purcell			Limestone
7710	Middle Marcellus	GAS		Black Shale
7720	Cherry Valley			Limestone
7725	Lower Marcellus	GAS		Black Shale
7740	Onondaga Limestone			Limestone
8005	Oriskany Sandstone			Sandstone
8090	Helderberg Limestone			Limestone
8620	Salina			Salt
9365	Lockport Dolomite			Dolomite
10040	Rochester Shale			Grey Shale
10590	Tuscarora Sandstone	GAS		Sandstone
10840	Queenston Shale			Red Shale
11860	Reedsville Shale	Confining Layer		Grey Shale
11955	<b>SECOND INTERMEDIATE CASING</b>			
13125	Utica Shale			Grey Shale
13245	Point Pleasant	GAS		Black Shale
13325	Lexington Limestone			Limestone
13365	Trenton Limestone			Limestone
13565	Planned Vertical TD			

# WDTN5 PAD WITH 500' AREA OF REVIEW



The WDTN5 Pad to be frac'd is in an area of no known frac communication with shallow wells.

API	OPERATOR	WELL NAME	WELL #	STATUS	TD	STATUS COMMENTS	DISTANCE FROM LATERAL	PERMIT DATE
4706130345	Manufacturers Light and Heat Company	Hennen #1	1	P&A	3448	Plugged 3/15/1948	50'	1926
4706100098	Carnegie Production Company	Sarah J. White	1-555	P&A	3248	Plugged 1938	130'	1916
4706100056	Manufacturers Light and Heat Company	Alex White	2	P&A	3475	Plugged 11/23/1949	40'	1916
4706130331	Manufacturers Light and Heat Company	Thomas White Heirs	3	P&A	3331	Plugged 10/14/1946	220'	1925
4706130578	Equitable Gas Company	Jasper Shriver	5039	P&A	3154	Plugged 12/22/1953	330'	1913
4706130182	Pittsburgh & WV Gas	Zoa Wise	5375	P&A	3558	Plugged 1938	170'	1928

All SOG wells above the WDTN5 pad have been plugged and were less than 3600' TD.



61-01807  
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**Attachment B:  
Conventional Operator Notice Letter - Example**

61-01807  
09/28/2018



**CNX Resources**

CNX Center  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317-6506

phone: (724) 485 – 4040  
e-mail: PCR@cnx.com  
web: www.consolenergy.com

**CNX GAS PRODUCTION TEAM**

[Conventional Well Operator]  
[Address]  
[State]

**Re: Monongalia County Hydraulic Fracturing Notice**

Dear Sir or Madam,

CNX Gas Company LLC (CNX) has developed a Utica/Marcellus pad WDTN5 located in Monongalia County, West Virginia. Through CNX's evaluation pursuant to WV Code 35 CSR 8(5.11), you have been identified as the owner or operator of a well within a 500' radius of the surface location or lateral section of the wellbore. Due to the apparent presence of unique geological conditions, communication between CNX hydraulic fracturing operations and the identified well is a possibility. As an owner or operator of a conventional natural gas well in this area, we are requesting your assistance in monitoring for changes that would indicate communication between your well(s) and our planned operation.

CNX anticipates conducting hydraulic fracturing activity at the WDTN5 Pad beginning as early as 1st Quarter 2019 (Jan-March) and potentially continuing through 2th Quarter 2019 (April-June). Plats for each well being hydraulically fractured on this pad are included for your reference.

We recommend that conventional operators conduct the following activities before, during, and after fracturing operations.

- Inspect surface equipment prior to fracturing, to establish mechanical integrity and confirm well conditions.
- Monitor wells during and after fracturing and monitor for abnormal increases in fluid, gas, or pressure.
- Inspect and upgrade master valves or other necessary equipment for wellhead integrity as you see fit.
- Notify the OOG and CNX if any changes in fluid, gas production, pressure, or other conditions that cause abnormal risk or concern.

Please feel free to contact CNX's Production Control Room at 724-485-4040 (staffed 24/7) with any questions or comments. You may also contact the West Virginia Office of Oil and Gas at 304-926-0499.

Sincerely,  
CNX Production

WW-9  
(4/16)

API Number 47 - 061 - 18009/28/2018  
Operator's Well No. WDTN5 C HSU

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: no pits

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number 47-001-00561, 47-097-01514, 47-097-01613, 34-013-2-0609 )
- Reuse (at API Number WDTN2 wells API TBD )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No Pits )

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.  
Vertical: air from spud/surface to curve kick-off point (KOP).  
Horizontal: synthetic oil-based mud (SOBM) from curve KOP to lateral TD

-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.  
Land Application of soil conductor cuttings only, rock cuttings will be taken to an approved Landfill

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

-Landfill or offsite name/permit number? See attached.

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 *Raymond Hoon*

Company Official (Typed Name) Raymond Hoon

Company Official Title Supervisor - Permitting

Commonwealth of Pennsylvania County of Washington

Subscribed and sworn before me this 4th day of April, 2018

Lori L. Walker  
My commission expires February 23, 2019

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COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Lori L. Walker, Notary Public  
Richhill Twp., Greene County  
My Commission Expires Feb. 23, 2019  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Disclaimer: Vendors have been approved for the below category by ENV. UPDATED AGREEMENT with MSCM MUST BE CONFIRMED.

USE APPROVED NON-HAZARDOUS WASTE DISPOSAL FACILITIES (version 05-23-2016)

Republic Services (Allied Waste)		Gas Specific Waste Streams										Other Accepted Waste Streams										Contact Information		
Landfill	Location	Drill * Cuttings	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos	Non-Friable Asbestos	Process Waste	Solidification Stabilization	Municipal Solid Waste											
McLean County	Bloomington	IL	X	X	X	X	X	X	X	X	X	X	X											
ERC/Coles County	Charleston	IL	X	X	X	X	X	X	X	X	X	X	X											
Backyard Disposal	Danville	IL	X	X	X	X	X	X	X	X	X	X	X											
Southern Illinois Regional	De Soto	IL	X	X	X	X	X	X	X	X	X	X	X											
Lee County	Dixon	IL	X	X	X	X	X	X	X	X	X	X	X											
Upper Rock Island	East Moline	IL	X	X	X	X	X	X	X	X	X	X	X											
Bond County	Greenville	IL	X	X	X	X	X	X	X	X	X	X	X											
Illinois	Hoopeston	IL	X	X	X	X	X	X	X	X	X	X	X											
LandCamp	LaSalle	IL	X	X	X	X	X	X	X	X	X	X	X											
Litchfield-Hickory	Litchfield	IL	X	X	X	X	X	X	X	X	X	X	X											
Environtech	Montic	IL	X	X	X	X	X	X	X	X	X	X	X											
Livestock	Pontiac	IL	X	X	X	X	X	X	X	X	X	X	X											
Roxana	Roxana	IL	X	X	X	X	X	X	X	X	X	X	X											
Swanton Valley	Springfield	IL	X	X	X	X	X	X	X	X	X	X	X											
Benign Valley	Frankfort	KY	X	X	X	X	X	X	X	X	X	X	X											
Blue Ridge	Frankfort	KY	X	X	X	X	X	X	X	X	X	X	X											
Green Valley	Morehead	KY	X	X	X	X	X	X	X	X	X	X	X											
Cherokee Run	Rush	KY	X	X	X	X	X	X	X	X	X	X	X											
County Environmental	Bellefontaine	OH	X	X	X	X	X	X	X	X	X	X	X											
Countywide Landfills**	Bryan	OH	X	X	X	X	X	X	X	X	X	X	X											
Carroll	Carroll	OH	X	X	X	X	X	X	X	X	X	X	X											
Lowelville	Gelina	OH	X	X	X	X	X	X	X	X	X	X	X											
East Sparta	East Sparta	OH	X	X	X	X	X	X	X	X	X	X	X											
Oberlin	Oberlin	OH	X	X	X	X	X	X	X	X	X	X	X											
Shiloh	Shiloh	OH	X	X	X	X	X	X	X	X	X	X	X											
Imperial	Imperial	PA	X	X	X	X	X	X	X	X	X	X	X											
Morgantown	Morgantown	PA	X	X	X	X	X	X	X	X	X	X	X											
Lawrenceville	Lawrenceville	VA	X	X	X	X	X	X	X	X	X	X	X											
Little Plymouth	Little Plymouth	VA	X	X	X	X	X	X	X	X	X	X	X											
Redmond	Redmond	VA	X	X	X	X	X	X	X	X	X	X	X											
Huntsville	Huntsville	WV	X	X	X	X	X	X	X	X	X	X	X											
Short Creek	Whedding (Short Creek)	WV	X	X	X	X	X	X	X	X	X	X	X											
Church Hill	Church Hill	TN	X	X	X	X	X	X	X	X	X	X	X											

317-921-1667 or 480-627-2700  
1-800-634-0215

Jack Palermo:  
work: 330-536-8013  
cell: 330-806-9660

Barbara Hansany:  
work: 330-536-8013 x 120  
cell: 330-421-7267

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Waste Management Industrial Landfills	Gas Specific Waste Streams										Other Accepted Waste Streams										Contact Information						
	Drill* Cuttings	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos	Non-Friable Asbestos	Process Waste	Solidification Services	Municipal Solid Waste	Drill* Cuttings	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos		Non-Friable Asbestos	Process Waste	Solidification Services	Municipal Solid Waste		
Landfill	Location										Location																
Arden Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Scott Allen: 412-604-2256	
South Hills (Armoni)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Kelco Run	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Valley Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Evergreen Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Charleston Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
(Kanawha County)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Midway Hill Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Northwestern Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Partersburg	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
SEGS Grading Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
American Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Waynesburg	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Suburban RDF	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Glensford	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Coshocton Landfill**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Malomong Landfill	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
New Springsfield	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
<b>Additional Landfills</b>																											
Landfill	Location										Location										Contact Information						
Westmoreland Waste (WWLC Group)	PA	111 Corner Lane, Belle Vernon, PA 15012	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Mike Home: 412-552-4427 Mark Thomas: 724-926-7694	
MAX Environmental (Rubber Facility)	PA	300 Max Drive, Bulger, PA 15019	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Carl Spadaro: 412-343-4900 cell: 412-445-9789	
MAX Environmental (Yukon Facility)	PA	233 MAX Lane, Yukon, PA 15694	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Joe Terenick: 740-273-2587 joet@eds-company.com	
Apex Sanitary Landfill (Apex Environmental)	OH	11 County Road 78, Amsterdam, Ohio 43903	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Rumpke, Mt. Sterling (Rumpke Consolidated)	KY	30 Larson Rd., Jeffersonville, KY 40337	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Carl Walter: 513-623-2471	
Laurel Ridge Landfill (Waste Connections of KY)	KY	3612 State Highway 552, Lily, KY 40740	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Bruce Crouch: Work: 606-864-7996 Cell: 606-219-0261	
	PA	Chestnut Valley 1184 McClellandtown Rd, McClellandtown, PA 15458	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Advanced Disposal	PA	Greentree Landfill: 635 Toby Rd.; Kersy, PA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Tony Labonne 6184 Ronnie 219, Brockway, PA 15824 814-590-5906	
	PA	Mosoller Landfill: 7035 Glades Pike Rd.; Somerset, PA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

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. Accepts drilling wastes but profile for disposal is not currently completed. Waste stream accepted by facility. Waste stream is not or may not be accepted by facility. Contact facility directly to verify waste streams accepted. New PADEP rules regarding "TENORM" testing requirement are pending. \* Drill Cuttings include fine sand for the purpose of this table (Contact facility directly to verify waste streams accepted).

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61-01807 7  
09/28/2018

**CNX Gas Company, LLC**

Proposed Revegetation Treatment: Acres Disturbed 46.90 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: *Hayme J. Kofarski*

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

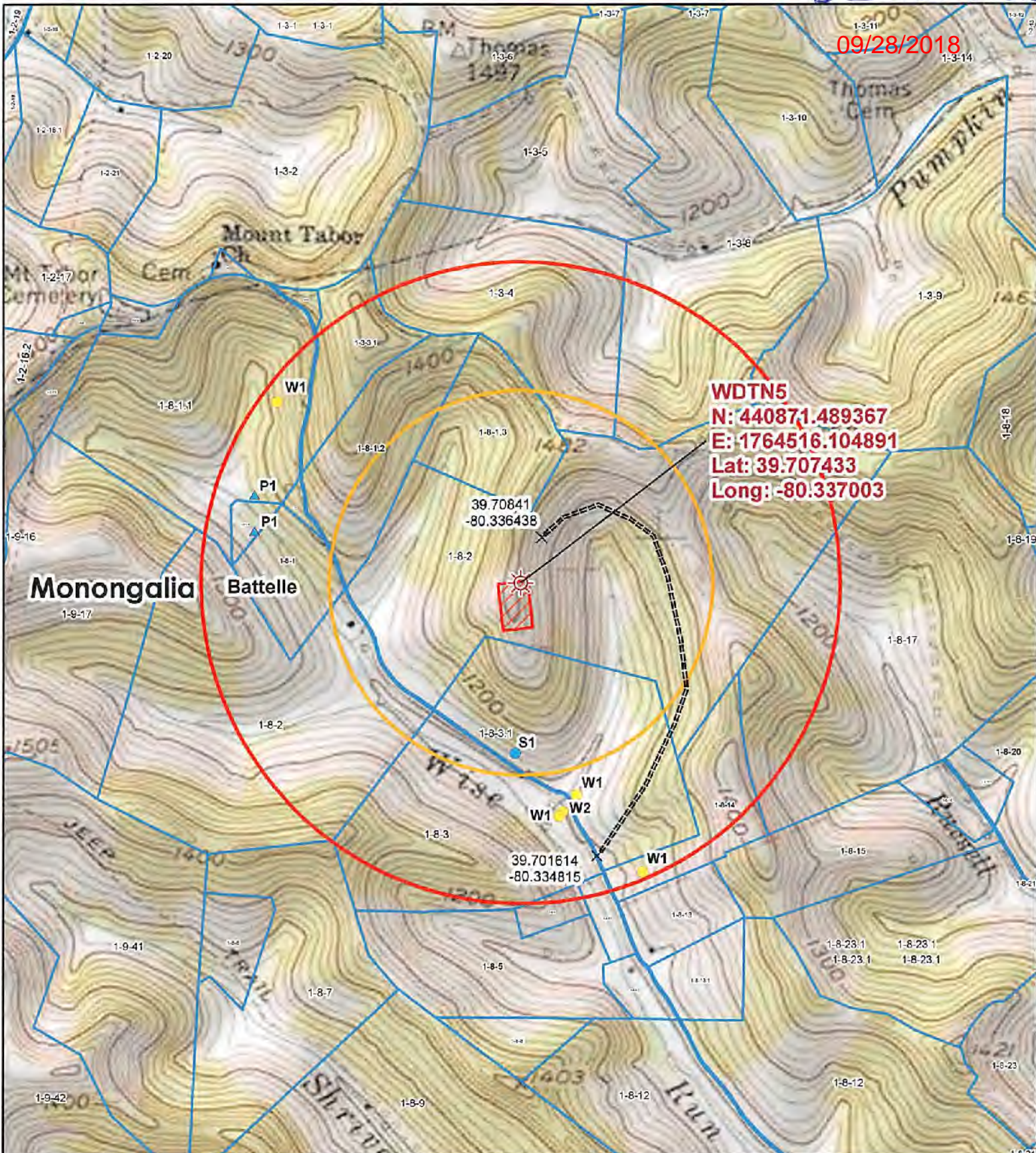
Title: INSPECTION

Date: 4/4/2018

Field Reviewed? (  ) Yes (  ) No

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01-0189  
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**WDTN5**  
**N: 440871.489367**  
**E: 1764516.104891**  
**Lat: 39.707433**  
**Long: -80.337003**

Monongalia

Battelle

<b>Legend</b>				<p><b>CONSOL ENERGY</b>          CNX Center, Canonsburg, PA</p>
Wellbore Wells Spring Ponds Access Points	Access Road 2,500 Foot Buffer 1,500 Foot Buffer Well Pad Surface Parcel	Original Date: 11/13/2017 Revision Date: 11/13/2017	Prepared By: GIS Approved By: GIS	
This map is property of CNX Land Resources Inc. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent. © Copyright CNX Land Resources Inc. 2011		<p>APR 6 2018          W. Department of Environmental Protection</p> <p><b>Topographic Well Map</b>  <b>WDTN5</b></p>		

**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
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See attached.

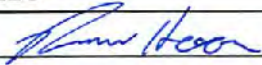
**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

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

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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: Raymond Hoon   
 Its: Permitting Supervisor



61-01807  
09/28/2018

Attachment - Form WW-6A-1 for WDTN5CHSU

<u>Tract ID</u>	<u>Tax Map &amp; Parcel</u>	<u>Title Opinion QLS #</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
1	1-8-2	189010000	Richard W. Wise	CNX Gas Company, LLC	Not less than 1/8	1516/36
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard W. Wise and Sandra S. Wise	CNX Gas Company, LLC	Lease Amendment	1595/13
			Donald Wise	CNX Gas Company, LLC	Not less than 1/8	1516/486
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Thomas E. McCauley	CNX Gas Company, LLC	Not less than 1/8	1442/715
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard L. McCauley	CNX Gas Company, LLC	Not less than 1/8	1442/707
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Judy A. Eckman	CNX Gas Company, LLC	Not less than 1/8	1442/711
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert Stewart	CNX Gas Company, LLC	Not less than 1/8	1520/433
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	CNX Gas Company, LLC	Not less than 1/8	1520/481
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Clifford J. Wise	CNX Gas Company, LLC	Not less than 1/8	1525/130
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Regina Wise Myers AKA Violet Regina Myers	CNX Gas Company, LLC	Not less than 1/8	1450/740
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Eleanor J. Wise	CNX Gas Company, LLC	Not less than 1/8	1501/809
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Walter C. Ord	CNX Gas Company, LLC	Not less than 1/8	1501/803
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			James Freeman Stewart	CNX Gas Company, LLC	Not less than 1/8	1501/806
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Victor E. Wise	CNX Gas Company, LLC	Not less than 1/8	1501/813
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Zelda Ruth Brummage	CNX Gas Company, LLC	Not less than 1/8	1500/762
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Evalee A. Everly Shaheen	CNX Gas Company, LLC	Not less than 1/8	1501/321
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Dexter Murle Stewart	CNX Gas Company, LLC	Not less than 1/8	1500/277
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Justin P. Stewart	CNX Gas Company, LLC	Not less than 1/8	1520/625
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Annetta E. Stewart	CNX Gas Company, LLC	Not less than 1/8	1510/806
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Debora Goff	CNX Gas Company, LLC	Not less than 1/8	1529/256
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Walter R. Currence	CNX Gas Company, LLC	Not less than 1/8	1524/530
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Maureen S. Currence	CNX Gas Company, LLC	Not less than 1/8	1520/781
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Michelle L. Currence	CNX Gas Company, LLC	Not less than 1/8	1528/431
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Phyllis J. Petrosky	CNX Gas Company, LLC	Not less than 1/8	1510/203
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jesse D. Jones	CNX Gas Company, LLC	Not less than 1/8	1509/468
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Harold M. Jones, Jr.	CNX Gas Company, LLC	Not less than 1/8	1511/101
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Fred C. Wise and Alice F. Wise	CNX Gas Company, LLC	Not less than 1/8	1597/89
			Linda Stapp	CNX Gas Company, LLC	Not less than 1/8	1602/621
			Richard A. Nunley and Diana K. Nunley	CNX Gas Company, LLC	Not less than 1/8	1597/99





<u>Tract ID</u>	<u>Tax Map &amp; Parcel</u>	<u>Title Opinion QLS #</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
11	1-3-2	204777000	David Charles White and Regina Sue White	CNX Gas Company, LLC	Not less than 1/8	1614/136
			Lucy Mae Stickley	CNX Gas Company, LLC	Not less than 1/8	1529/675
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Marlan R. Stone Garrett	CNX Gas Company, LLC	Not less than 1/8	1527/235
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Patricia K. W. Hoekstra	CNX Gas Company, LLC	Not less than 1/8	1527/239
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard H. Benson, II	CNX Gas Company, LLC	Not less than 1/8	1520/494
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Alvy S. White	CNX Gas Company, LLC	Not less than 1/8	1521/777
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Anita Talbott	CNX Gas Company, LLC	Not less than 1/8	1521/773
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Karen L. Meyers	CNX Gas Company, LLC	Not less than 1/8	1520/498
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Carol S. White Davis	CNX Gas Company, LLC	Not less than 1/8	1517/242
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Edwin R. White II	CNX Gas Company, LLC	Not less than 1/8	1520/502
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1526/591
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Frederick Tate	CNX Gas Company, LLC	Not less than 1/8	1527/558
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Timothy Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1527/663
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Alex Tate	CNX Gas Company, LLC	Not less than 1/8	1528/243
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jennifer Marie Carrington	CNX Gas Company, LLC	Not less than 1/8	1529/272
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert S. Elliot	CNX Gas Company, LLC	Not less than 1/8	1529/679
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jane E. McIntyre and Glenn C. McIntyre	CNX Gas Company, LLC	Not less than 1/8	1614/708
			Jan W. Ellison and Thomas A. Ellison	CNX Gas Company, LLC	Not less than 1/8	1614/704
			Marianne Ann Borkowski and Marc Borkowski	CNX Gas Company, LLC	Not less than 1/8	1614/645
			Edith B. White	CNX Gas Company, LLC	Not less than 1/8	1614/649
			Nancy Emerick	CNX Gas Company, LLC	Not less than 1/8	1614/145
			Betty Ann Reed	CNX Gas Company, LLC	Not less than 1/8	1612/556
			David Ray Stone	CNX Gas Company, LLC	Not less than 1/8	1606/619
			Donald E. 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
			Sandra Pixler	CNX Gas Company, LLC	Not less than 1/8	1605/808
			Victor A. White (4/147)	N/A	Unleased	Unleased
			Melinda Reid Hatton (2/147)	N/A	Unleased	Unleased
			Dennis F. Hatton Jr. (1/147)	N/A	Unleased	Unleased
			Amanda Hatton (1/147)	N/A	Unleased	Unleased

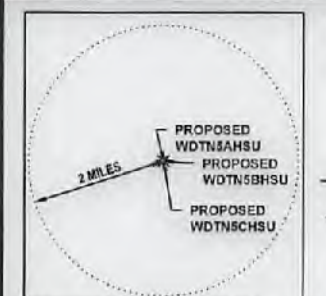
<u>Tract ID</u>	<u>Tax Map &amp; Parcel</u>	<u>Title Opinion QLS #</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
12	1-2-20	239936000	Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Hu's Land and Minerals LLC	EQT Production Company	Not less than 1/8	1516/270
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765

<u>Tract ID</u>	<u>Tax Map &amp; Parcel</u>	<u>Title Opinion QLS #</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
13	1-3-1	239937000	Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Hu's Land and Minerals LLC	EQT Production Company	Not less than 1/8	1516/270
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Clark Donley Stiles	CNX Gas Company, LLC	Not less than 1/8	1622/95

SHL is located on topo map 660 feet south of Latitude: 39° 42' 30"  
 BHL is located on topo map 10,860 feet south of Latitude: 39° 45' 00"

SHL is located on topo map 1,058 feet west of Longitude: 80° 20' 00"  
 BHL is located on topo map 3,612 feet west of Longitude: 80° 20' 00"

09/28/2018



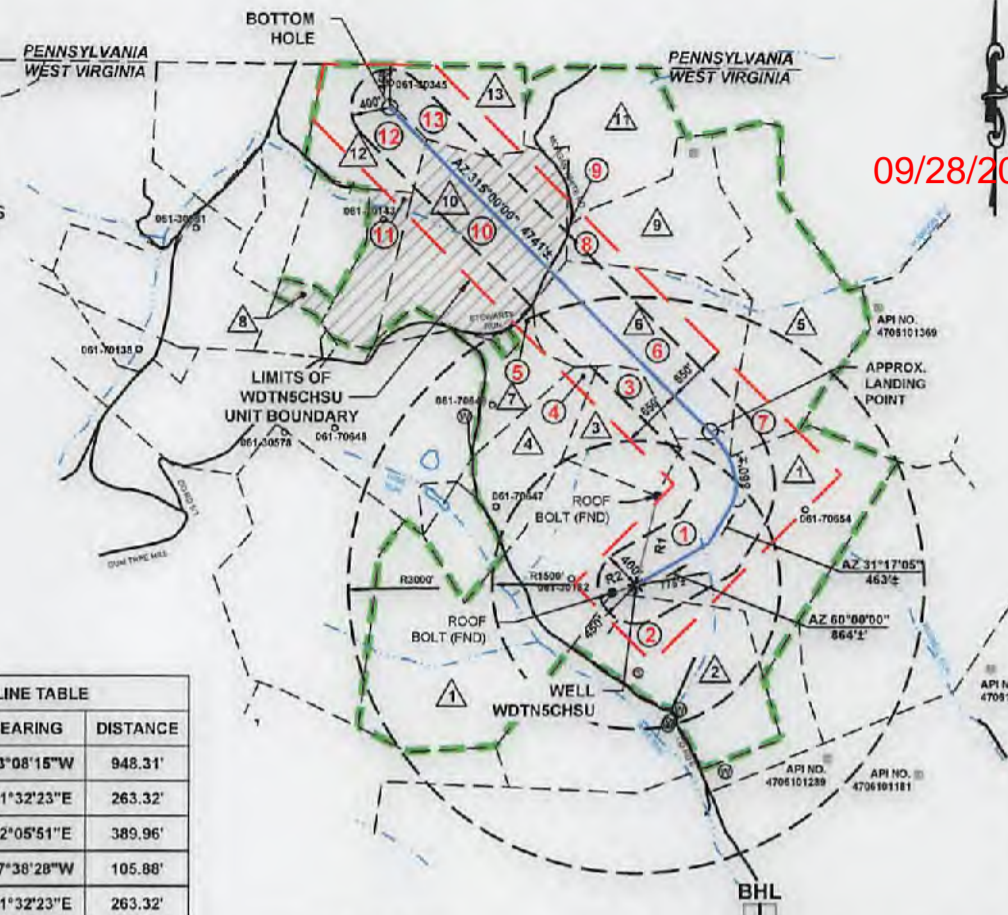
DETAIL  
 UTICA WELLS WITHIN 2 MILE RADIUS  
 SCALE 1" = 15,000'

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395394.759  
 E: 556827.076  
 NAD27, WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
 LAT: 38°42'23.475"  
 LON: 80°20'13.543"

**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395896.340  
 E: 557050.785  
 NAD27, WV NORTH  
 N: 442111.750  
 E: 1765190.691  
 LAT/LON - NAD83  
 LAT: 38°42'39.365"  
 LON: 80°20'03.996"

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396890.733  
 E: 555012.314  
 NAD27, WV NORTH  
 N: 445464.425  
 E: 1761838.031  
 LAT/LON - NAD83  
 LAT: 38°43'12.191"  
 LON: 80°20'47.298"

LINE #	BEARING	DISTANCE
R1	S13°08'15"W	948.31'
R2	N71°32'23"E	263.32'
R3	S62°05'51"E	389.96'
R4	N37°38'28"W	105.88'
R5	N71°32'23"E	263.32'

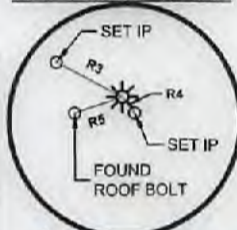


NO DEEP WELLS WITHIN 3000'

**LEGEND**

	TOPO MAP POINT		PROPOSED WELL		WATER SOURCE		SPRING		SURFACE TRACT		LEASED NUMBER BASED ON ATTACHED WDTN5C		RECORD GAS WELL		UNKNOWN WELL		FORCED POOLING AREAS		
	ALL ARE POINTS UNLESS OTHERWISE NOTED		LEASE BOUNDARY		UNIT BOUNDARY		PROPOSED HORIZONTAL WELL		SURFACE OIL & GAS LINES		SURFACE TRACT LINES ONLY		GAS LEASE LINES ONLY		WELL REFERENCE		STREAM/WATERWAY		ROAD

REFERENCE DETAIL



Sheffler & Company, Inc.  
 ENGINEERING • SURVEYING

1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: info@shefflerCo.com

MINERAL TRACT BOUNDARY = 673.781 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: WDTN5IHSM  
 DRAWING #: 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX1864: 1,496.32'

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.

SIGNED: [Signature]  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

DATE: April 3, 2018, Rev. July 18, 2018  
 OPERATOR'S WELL #: WDTN5CHSU H8A  
 API WELL # 47 061 01807  
 STATE COUNTY PERMIT

WDTN5CHSU UNIT = 233.182 ACRES TOTAL		
BATTELLE DISTRICT		
#	TAX MAP & PARCEL	UNIT ACRES
1	1-8, P/O PARCEL 2	60.461 Ac.
2	1-8, P/O PARCEL 3.1	9.933 Ac.
3	1-8, P/O PARCEL 1.3	12.585 Ac.
4	1-8, P/O PARCEL 1.2	1.323 Ac.
5	1-3, P/O PARCEL 3.1	1.653 Ac.
6	1-3, P/O PARCEL 4	49.978 Ac.
7	1-3, P/O PARCEL 8	8.864 Ac.
8	1-3, P/O PARCEL 5	4.744 Ac.
9	1-3, P/O PARCEL 6	0.574 Ac.
10	1-3, P/O PARCEL 2	46.077 Ac.
11	1-3, P/O PARCEL 2	0.788 Ac.
12	1-2, P/O PARCEL 20	22.145 Ac.
13	1-3, P/O PARCEL 1	16.339 Ac.

SURFACE TRACT OWNERS & TAX PARCEL		
1.	DINA M WISE ET AL	1-8-2
2.	BARBARA J WAGNER	1-8-3.1
3.	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART	1-8-1.3
4.	DAVID W & ELIZABETH K DEATON	1-8-1.2
5.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-8
6.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-4
7.	STEVEN M MACYDA	1-3-3.1
8.	ROY LEE JR & ERICA E. HALL	1-2-21
9.	DENNIS & ROSE THOMAS	1-3-5
10.	CONSOL MINING COMPANY LLC	1-3-2
11.	DENNIS & ROSE THOMAS	1-3-6
12.	ROY L HALL	1-2-20
13.	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES	1-3-1

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard W. Wise Donald Wise Thomas E. McCauley Richard L. McCauley Judy A. Eckman Robert Stewart Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen Clifford J. Wise Regina Wise Myers AKA Violet Regina Myers Eleanor J. Wise Walter C. Ord James Freeman Stewart Victor E. Wise Zelda Ruth Brummage EvaLee A. Everly Shaheen Dexter Murie Stewart Justin P. Stewart Annette E. Stewart Debora Goff Walter R. Currence Maureen S. Currence Michelle L. Currence Phyllis J. Petrosky Jesse D. Jones Harold M. Jones, Jr. Fred C. Wise and Alice F. Wise Linda Stapp Richard A. Nunley and Diana K. Nunley Patricia J. Mumaw and Richard L. Mumaw Donald E. Nunley Mary Nunley Steplton and Donald Steplton Jane Irons Melissa Bookout Eileen Ann Lyle Robert Eugene Michael, Sr. and Darlene Ann Michael Frank Dennis Michael, Jr. and Mary Frances Michael Evelyn June Michael Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin Boyd Hawkins and Kari J. Hawkins Becky Bortnick Hawkins	DINA M WISE ET AL
2	1-8-3 & 1-8-3.1	Barbara J. Wagner Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust Arnold D. Anderson, individually, and as Trustee of the Arnold D. Anderson and Barbara J. Anderson Living Trust UTD May 14th, 2008	BARBARA J WAGNER
3	1-8-1.3	CBC Holdings, LLC Edward L. Thomas and Diana Lee Thomas David Wayne Thomas Dorothy L. Stewart and Harold L. Stewart Jr. Earl W. Kennedy	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART
4	1-8-1.2	CBC Holdings, LLC David W. Deaton and Elizabeth K. Deaton Earl W. Kennedy	DAVID W & ELIZABETH K DEATON
5	1-3-3.1	CBC Holdings, LLC Steven M. Macyda Earl W. Kennedy	STEVEN M MACYDA
6	1-3-4	James Edward Taylor Earl Lynn Taylor Harland Thomas and Rose Marie Thomas David E. Thomas Marylou Dixon	JAMES EDWARD & EARL LYNN TAYLOR
7	1-3-8	James Edward Taylor Earl Lynn Taylor	JAMES EDWARD & EARL LYNN TAYLOR
8	1-3-5	Rose Thomas	DENNIS & ROSE THOMAS
9	1-3-6	Rose Thomas	DENNIS & ROSE THOMAS
10	1-3-2	David Charles White and Regina Sue White Lucy Mae Sticklely Marian R. Stone Garrett Patricia K. W. Hoekstra Richard H. Benson, II Alvy S. White Anita Talbott Karen I. Meyers Carol S. White Davis Edwin R. White II Robert Tate Jr. Frederick Tate Timothy Tate Jr.	CONSOL MINING COMPANY LLC

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



**Sheffler & Company, Inc.**  
ENGINEERING • SURVEYING  
1712 Mount Nebo Road Phone: 412-219-4509  
Sewickley, PA 15143 Email: info@shefflerCo.com

DATE: April 3, 2018, Rev. July 18, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5CHSU H6A  
API WELL # 47 STATE 061 COUNTY PERMIT 01807

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

09/28/2018

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
10 (CONT.)	1-3-2	Alex Tate	CONSOL MINING COMPANY LLC
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
		Donald E. Stone	
		Doris Jean White	
		Victor A. White (2/147)	
		Melinda Reid Hatton (2/294)	
Dennis F. Hatton Jr. (2/588)			
Amanda Hatton (2/588)			
11	1-3-2	David Charles White and Regina Sue White	CONSOL MINING COMPANY LLC
		Lucy Mae Stickle	
		Marian R. Stone Garrett	
		Patricia K. W. Hoekstra	
		Richard H. Benson, II	
		Alvy S. White	
		Anita Talbot	
		Karen I. Meyers	
		Carol S. White Davis	
		Edwin R. White II	
		Robert Tate Jr.	
		Frederick Tate	
		Timothy Tate Jr.	
		Alex Tate	
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
		Donald E. Stone	
		Doris Jean White	
		Sandra Pixler	
		Victor A. White (4/147)	
Melinda Reid Hatton (2/147)			
Dennis F. Hatton Jr. (1/147)			
Amanda Hatton (1/147)			
12	1-2-20	Merrion Oil and Gas Corporation Hu's Land and Minerals LLC	ROY L. HALL
13	1-3-1	Merrion Oil and Gas Corporation	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES
		Hu's Land and Minerals LLC	
		Clark Donley Stiles	

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



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ENGINEERING • SURVEYING  
1712 Mount Nebo Road Sewickley, PA 15143 Phone: 412-219-4509 Email: info@shefflerCo.com

DATE: April 3, 2018, Rev. July 18, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5CHSU  
API WELL # 47 STATE 061 COUNTY 01807 PERMIT HGA

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. July 18, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061 01807  
 STATE COUNTY PERMIT  
 H6A

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK

ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE

QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL.

ACREAGE: 207.36

OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL.

ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT

ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±

WELL OPERATOR: CNX GAS COMPANY, LLC

DESIGNATED AGENT: CHRIS TURNER

Address: 1000 CONSOL ENERGY DRIVE

Address: 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317

City JANE LEW State WV Zip Code 26378



**MEMORANDUM OF LEASE  
(West Virginia)**

**Lease No. 10300**

**THIS MEMORANDUM OF LEASE (this "Memorandum") is made and entered into effective as of the 26<sup>th</sup> day of March, 2018 (the "Effective Date"), by and between Clark Donley Stiles, a single man, with an address at 3305 Kim Street, Parkersburg, WV 26104 ("Lessor"), and CNX Gas Company LLC, a Virginia limited liability company, with an address at 1000 CONSOL Energy Drive, Canonsburg, Pennsylvania 15317-6506 ("Lessee") (each a "Party," and together the "Parties").**

**WHEREAS, Lessor and Lessee have entered into a certain Oil and Gas Lease further described below (the "Lease") whereby Lessor has leased to Lessee certain oil and gas estates, interests and appurtenant rights more particularly described below and in the Lease; and**

**WHEREAS, in lieu of recording the Lease, the Parties have executed, acknowledged and delivered this Memorandum for recordation pursuant to W.Va. Code § 40-1-8 et seq.**

**NOW, THEREFORE, Lessor and Lessee, intending to be legally bound, hereby publish and give notice of the tenancy created and certain of the rights granted by and obligations under the Lease, as follows:**

**1. NAME AND ADDRESS OF LESSOR:**

Clark Donley Stiles  
3305 Kim Street  
Parkersburg, WV 26104

**2. NAME AND ADDRESS OF LESSEE:**

CNX Gas Company LLC  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317

RECEIVED  
Office of Oil and Gas  
APR 6 2018

**3. DATE OF LEASE EXECUTION/EFFECTIVE DATE:**Date of execution of Lease: March 26, 2018Effective Date of Lease: March 26, 2018**4. DESCRIPTION OF SUBJECT PREMISES:**

Lessor hereby grants and leases exclusively to Lessee, its successors and assigns, all the oil, gas, and their liquid and/or gaseous constituents, whether hydrocarbon or non-hydrocarbon and all other substances produced therewith (collectively, whether any of the foregoing, the "Leased Oil/Gas") from all subsurface strata, formations, voids, and zones between the depth of 200' above the Rhinestreet Formation and 200' below the Trenton Limestone Formation underlying the Leased Premises (as defined in Section 2 of this Lease), together with a non-exclusive subsurface easement through all formations for the purpose of accessing, exploring, developing, and producing the Leased Oil/Gas. Lessor hereby grants and leases exclusively to Lessee all rights necessary, convenient, or incident to explore, drill, develop, produce, treat, transport and market Leased Oil/Gas and otherwise operate on and about the Leased Premises and any lands pooled or unitized therewith (being a Unit as defined and discussed in Section 7 of this Lease) using all available methods and techniques under current and future technology, including, without limitation, the following rights: to have full and free access over and through the Leased Premises; to conduct geological, geophysical, core drilling and other exploratory work; to drill, re-drill, lengthen, re-work, stimulate, fracture, plug, remove and/or abandon vertical or horizontal wells, and to inject under pressure water, air, brine and other fluids and substances (including, without limitation, non-domestic water from the Leased Premises, free of cost) into subsurface strata and/or withdraw the same therefrom; to erect and operate drill sites and drilling rigs and related facilities to treat, separate, compress, dehydrate, process, gather, and measure and shut-in Leased Oil/Gas, together with all other equipment, structures and facilities that Lessee deems desirable for use in its operations; to construct, use and operate roads, utility lines, canals, impoundments and pits; to install and operate pipelines, tanks, pumps, compressors, condensers and other equipment and facilities for use in transporting Leased Oil/Gas from the Leased Premises and from other lands, over and through the Leased Premises (all of the foregoing activities are collectively referred to herein as "Operations"); and to have and enjoy all rights and privileges reasonably necessary or appropriate to effectuate the purposes of this Lease. The premises being leased hereunder is located in the District of Battelle, in the County of Monongalia, in the State of West Virginia, including lands acquired by deed from James B. Stiles and Doris J. Stiles, his wife; Darwin C. Stiles and Margaret A. Stiles, his wife; Barbara S. Myers, single; Josephine S. Rush and Zane L. Rush, her husband; Kathleen J. Vassalo and James J. Vassalo, her husband; Clark T. Stiles and Sara Stiles, his wife, by instrument dated August 8<sup>th</sup>, 1990, and recorded in Book 1019, Page 60, and Property Tax Parcel Identification No. 31-1-3-1, containing approximately 28 acres, for all purposes of this Lease whether actually more or less and whether the tax

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map is correct, including small strips or parcels of contiguous land covered under Lessor's source of title (collectively, the "Leased Premises").

5. **TERM OF LEASE:**

A. **Primary Term.** This Lease shall remain in force for a term of five (5) years following the Effective Date (the "Primary Term").

B. **Secondary Term.** This Lease shall remain in full force and continue following the Primary Term as to the entirety of the Leased Premises for so long thereafter as any of the following circumstances exist (such period, the "Secondary Term"): (i) Lessee is conducting any Operations on the Leased Premises or any lands pooled or unitized therewith (being a Unit as defined and discussed in Section 7 of this Lease); (ii) any of the Leased Oil/Gas are being produced from the Leased Premises or any lands pooled or unitized therewith (being a Unit); (iii) any well on the Leased Premises or on any lands pooled or unitized therewith (being a Unit) is Shut-In (as defined and discussed in Section 4(C) of this Lease); or (iv) this Lease is otherwise extended by Force Majeure (as defined and discussed in Section 10(A) of this Lease), Equitable Tolling (as defined and discussed in Section 10(B) of this Lease), or other terms hereof. The Primary Term (as it may be extended hereunder) and the Secondary Term are collectively referred to herein as the "Term."

6. **RENEWAL OR EXTENSION RIGHTS:**

None

7. **RIGHT OF PURCHASE, RIGHT OF FIRST REFUSAL AND/OR OPTIONS:**

In the event that Lessor receives from any third party any bona fide offer to grant an additional oil and/or gas lease covering all or part of the Leased Premises within the Term, Lessor shall provide Lessee with a written notice of such offer by certified mail, including the proposed lessee's name, bonus consideration and royalty consideration, and a true, correct and complete copy of the proposed lease. Lessee shall have ninety (90) days following receipt of such written notice to elect to exercise a right of first refusal, in Lessee's sole and absolute discretion, to enter into an oil and gas lease with Lessor on the same terms and conditions as set forth in the proposed lease. Should Lessee so elect, Lessee shall notify Lessor in writing within such ninety (90) day period and submit therewith a lease with Lessee containing the same terms and conditions and, if so desired by Lessee, a memorandum of such lease for recordation. Within ten (10) days after receipt of such signed lease and memorandum of lease (if any) back from Lessor, Lessor shall counter-sign and return such lease and memorandum of lease (if any) to Lessee together with the bonus payment required under such lease. No single exercise of the foregoing right of first refusal shall exhaust any rights granted hereunder to subsequent

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offers covering all or any part of the Leased Premises. Any additional lease granted to any third party by Lessor in violation of the provisions of this Section 14 shall be null and void. The provisions of this Section 14 shall not be deemed to waive, nullify or otherwise affect Lessee's right to extend the Primary Term pursuant to Section 3(A) of this Lease.

8. **EXECUTION:**

This Memorandum may be executed in any number of counterparts, each having the same validity and all of which shall constitute but one and the same instrument.

**THIS MEMORANDUM IS NOT A COMPLETE SUMMARY OF THE LEASE. IN THE EVENT OF A CONFLICT BETWEEN THE TERMS OF THIS MEMORANDUM AND THOSE OF THE LEASE, THE TERMS OF THE LEASE SHALL CONTROL.**

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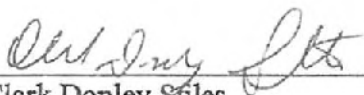
09/28/2018

IN WITNESS WHEREOF, Lessor and Lessee, intending to be legally bound, have executed this Memorandum effective as of the Effective Date (whether executed by either Party on, before or after the Effective Date).

LESSOR:

LESSEE:

CNX Gas Company LLC

  
Clark Donley Stiles

By: \_\_\_\_\_  
Name: Timothy Surmick  
Title: Assistant Vice President

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**ACKNOWLEDGMENTS**

**[Individual Lessor]**

STATE/Commonwealth of West Virginia

COUNTY OF Wood

The foregoing instrument was acknowledged before me on the 20<sup>th</sup> day of March, 2018 by Clark Donley Stiles, a single man, whose name(s) is/are signed hereto.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

Erica J. Counts

NOTARY PUBLIC

My commission expires June 23, 2021



**[CNX]**

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the \_\_\_ day of \_\_\_\_\_, 2018 by Timothy Surmick, who acknowledged himself to be the Assistant Vice President of CNX Gas Company LLC, a Virginia limited liability company, and that he as such, being authorized to do so, executed the foregoing instrument on behalf of CNX Gas Company LLC.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

\_\_\_\_\_  
NOTARY PUBLIC

My commission expires \_\_\_\_\_

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61-01807

09/28/2018



Erika Whetstone  
Manager – Gas Permitting  
CONSOL Energy Inc.  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317

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

**RE: Road Letter – WDTN 5 Well Pad**

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.

Should you have any questions or need additional information, please do not hesitate to contact me at [erikawhetstone@consolenergy.com](mailto:erikawhetstone@consolenergy.com) or 724-485-4035.

Sincerely,

A handwritten signature in blue ink that reads 'Erika Whetstone'.

Erika Whetstone  
CNX Gas Company LLC

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01-01807  
09/28/2018

WW-PN  
(11-18-2015)

**Horizontal Natural Gas Well Work Permit  
Application Notice By Publication**

**Notice is hereby given:**

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

**Paper:** The Dominion Post

**Public Notice Date:** 3/8/18 & 3/15/18

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

**Applicant:** CNX Gas Company LLC **Well Number:** WDTN5AHSU, WDTN5BHSU, WDTN5CHSU, WDTN5GHSU, WDTN5HISM

**Address:** 1000 Consol Energy Drive, Canonsburg PA. 15317

**Business Conducted:** Natural gas production.

**Location –**

State:	<u>West Virginia</u>	County:	<u>Monongalia</u>
District:	<u>Battelle</u>	Quadrangle:	<u>Wadestown</u>
UTM Coordinate NAD83 Northing:	<u>4395400.010, 4395400.802, 4395394.759, 4395387.925, 4395393.967</u>		
UTM coordinate NAD83 Easting:	<u>556820.241, 556826.284, 556827.076, 556821.825, 556821.033</u>		
Watershed:	<u>Dunkard Creek</u>		

**Coordinate Conversion:**

To convert the coordinates above into longitude and latitude, visit: [http://tagis.dep.wv.gov/convert/llutm\\_conus.php](http://tagis.dep.wv.gov/convert/llutm_conus.php)

**Electronic notification:**

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

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**Reviewing Applications:**

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to [DEP.comments@wv.gov](mailto:DEP.comments@wv.gov).

**Submitting Comments:**

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57<sup>th</sup> Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)



09/28/2018

vs.

STATE OF WEST VIRGINIA  
COUNTY OF MONONGALIA

I Brad Pennington Advertising Director of  
THE DOMINION POST, a newspaper of general circulation  
published in the City of Morgantown, County and State  
aforesaid, do hereby certify that the annexed

Legal Notice

was published in the said THE DOMINION POST once a week  
for 2 successive weeks commencing on the  
8th day of March, 2018 and ending on the  
15th day of March, 2018

The publisher's fee for said publication is \$200.06  
Given under my hand this 15th day of  
March, 2018

*Brad Pennington*  
Advertising Director of THE DOMINION POST

(SEAL)  
OFFICE OF  
Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Subscribed and sworn to before me this 15th  
day of March, 2018

*Jessica Davis*  
Notary Public of Monongalia County, W. Va.

My commission expires on the 27th day of  
Feb 2023

010128451 **Horizontal Natural Gas Well Work Permit** March 8, 15  
**Application Notice By Publication**

**Notice is hereby given:**  
Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit  
for a horizontal well the applicant shall publish in the county in which the well is located  
or is proposed to be located a Class II legal advertisement.

**Paper:** The Dominion Post

**Public Notice Date:** 3/8/18, 3/15/18

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disturbs three acres or more of surface excluding pipelines, gathering lines and roads  
or utilizes more than two hundred ten thousand gallons of water in any thirty day  
period.

**Applicant:** CNX Gas Company LLC  
**Well Number:** WDTN5AHSU, WDTN5BHSU, WDTN5CHSU, WDTN5GHSM,  
WDTN5HHSM  
**Address:** 1000 Consol Energy Drive, Canonsburg PA. 15317  
**Business Conducted:** Natural gas production.

**Location —**  
State: West Virginia County: Monongalia  
District: Battelle Quadrangle: Wadestown  
UTM Coordinate NAD83 Northing:  
4395400.010, 4395400.802, 4395394.759, 4395387.925, 4395393.967  
UTM coordinate NAD83 Easting:  
556820.241, 556826.284, 556827.076, 556821.825, 556821.033  
Watershed: Dunkard Creek

**Coordinate Conversion:**  
To convert the coordinates above into longitude and latitude, visit: [http://agis.dep.wv.gov/convert/utlm\\_conus.php](http://agis.dep.wv.gov/convert/utlm_conus.php)

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Regardless of format for comment submissions, they must be received no later than  
thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)



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

Date of Notice Certification: 4-4-15

API No. 47- 61 - 01807  
Operator's Well No. WDTN5CHSU  
Well Pad Name: WDTN5

**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>1732993.052</u>
County: <u>Monongalia</u>		Northing: <u>440548.227</u>
District: <u>Battelle</u>	Public Road Access: <u>CR6 Wise Run</u>	
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>Wise</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: 40px;"><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><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input 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.

Attached to WPTN5C WW-6AC  
Commonwealth of Pennsylvania  
County of Washington

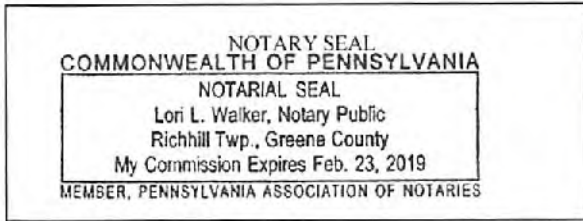
61-01807  
09/28/2018

**Certification of Notice is hereby given:**

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

Well Operator: CNX Gas Company LLC  
By: Raymond Hoon  
Its: Permitting Supervisor  
Telephone: 724-485-3540

Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317  
Facsimile: \_\_\_\_\_  
Email: RaymondHoon@CNX.com



Subscribed and sworn before me this 4th day of April 2018.  
Lori L Walker Notary Public  
My Commission Expires February 23, 2019

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

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

**Date of Notice:** 4-4-18 **Date Permit Application Filed:** 4-5-18

**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: See attached

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

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

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

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

Name: See attached

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

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

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

SURFACE OWNER(s) (Impoundments or Pits)

Name: N/A

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

COAL OWNER OR LESSEE

Name: See attached

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

COAL OPERATOR

Name: N/A

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

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: N/A

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

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: N/A

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

\*Please attach additional forms if necessary

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**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).

**Well Location Restrictions**

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

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

**Water Well Testing:**

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

**Water Testing Laboratories:**

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

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

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

**Written Comment:**

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

Office of Oil and Gas

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

**Time Limits and Methods for Filing Comments.**

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

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

**Comment Requirements**

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

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

**Permit Denial or Condition**

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

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

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

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

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WW-6A  
(8-13)

Attached to WDTN5C WW-6A

API NO. 47- 61-01807  
OPERATOR WELL NO. WDTN5CHSU  
Well Pad Name: WDTN5

09/28/2018

Commonwealth of Pennsylvania  
County of Washington

**Notice is hereby given by:**

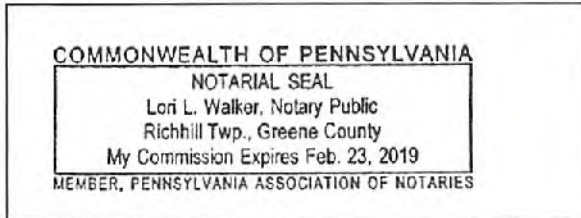
Well Operator: CNX Gas Company LLC  
Telephone: 724-485-3540  
Email: RaymondHoon@CNX.com

*Raymond Hoon*

Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317  
Facsimile: \_\_\_\_\_

**Oil and Gas Privacy Notice:**

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



Subscribed and sworn before me this 4th day of April 2018.

Lori L Walker Notary Public

My Commission Expires February 23, 2019

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Department of Environmental Protection



Jesse D. Jones  
308 1/2 Crest Ave., Charleroi, PA 15022

Harold M. Jones  
317 Crest Ave., Charleroi, PA 15022

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

Jane Irons  
P.O. Box 681, Tellico Plains, TN 37385

Melissa Bookout  
311 West Walnut St., Madisonville, TN 37354

Barbara J. Wagner  
573 Wise Run Road, Wana, WV 26590

**Coal Owner:**

CNX RCPCL LC  
1000 CONSOL Energy Drive, Canonsburg, PA 15317

CCC RCPC LLC  
1001 CONSOL Energy Drive, Canonsburg, PA 15317

John Matthew Wise and Dina Wise  
2255 East 6500 South, Price, UT 84501

Opal Wise  
2002 West 600 North Hilltop Road, Price, UT 84501

Richard W. Wise  
7817 Mason Dixon Highway, Wana, WV 26590

Kathy A. Sine  
343 Statler Run Road, Fairview, WV

John David Wise  
3 Cross Roads Road, Wana, WV

Richard Nunley  
261 Festival Drive, Oceanside, CA 92057

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Patricia Mumaw  
3344 Northridge Drive, Wooster, OH 44691 ✓

Donald Nunley  
36 Autumn Drive, Core, WV 26541 ✓

Mary Nunley Stepelton  
7739 South Hampton Terrace, Unit G204, Tamarac, FL 33321 ✓

Thomas McCauley  
220 Kennedy Street, Apt 5, Louisville, OH 44641 ✓

Richard McCauley  
2589 Timothy Ave., Louisville, OH 44641 ✓

Judy Eckman  
630 Coniston Drive, Leland, NC 28451-9754 ✓

Linda Stapp  
124 Reservoir Rd., St. Clairsville, OH 43950 ✓

Clifford J. Wise  
2394 County Road 137, Obrien, FL 32071 ✓

Regina W. Myers  
1200 Carroll Heights Blvd., Hagerstown, MD 21742 ✓

Eleanor Wise  
126 Fairview Ave., Waynesburg, PA 15370 ✓

Victor E. Wise  
PO Box 7437, Charleston, WV 25356 ✓

Frederick C. Wise  
1 West Hills Drive, Fairmont, WV 26554 ✓

Walter C. Ord  
P.O. Box 802, McDowell, KY 41647 ✓

Evallee A. Everly  
1325 Citrus Gardens Dr., Apt A, Orlando, FL 32807 ✓

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Dexter Murle Stewart  
1283 Corssroads Road, Fairview, WV 26570

Zelma Ruth Brummage  
3036 Main St., Farmington, WV 26571

James Freeman Stewart  
1206 Marion Ave. Fairmont, WV 26554

Justin P. Stewart  
132 Radiant Drive, Martinsburg, WV 25404

Annette Stewart  
41 Mimosa Dr., Martinsburg, WV 25404

Dawn Hughes  
1134 Brooke Rd., Stafford, VA 22405

Bryan Kevin Goff  
9325 Beaverdam Rd., Nanjemoy, MD 20662

Brandon Sweeney  
18501 Clagget Landing, Upper Marlboro, MD 20774

Brianna Skyler Sweeney  
18502 Clagget Landing, Upper Marlboro, MD 20774

Wally Currence  
16200 Bealle Hill Road, Waldorf, MD 20601

Maureen Currence  
203 Silver Maple Ct., Holly Ridge, NC 28445

Michelle Currence  
1 Carroll Drive, Stafford, VA 22554

Robert Stewart  
Lot 1, Route 21 MHP, Carmichaels, PA 15320

Phyllis Petrosky  
110 Chess St., Apt 401, New Eagle, PA 15067

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Jesse D. Jones  
308 1/2 Crest Ave., Charleroi, PA 15022

Harold M. Jones  
317 Crest Ave., Charleroi, PA 15022

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

Jane Irons  
P.O. Box 681, Tellico Plains, TN 37385

Melissa Bookout  
311 West Walnut St., Madisonville, TN 37354

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WW6A Notice of Application - Attachment

WDTN5

Surface Owner(s) (Well Site & Road and/or Other Disturbance):

John Matthew Wise and Dina Wise ✓  
2255 East 6500 South, Price, UT 84501

Opal Wise  
2002 West 600 North Hilltop Road, Price, UT 84501

Richard Nunley ✓  
261 Festival Drive, Oceanside, CA 92057 ✓

Patricia Mumaw ✓  
3344 Northridge Drive, Wooster, OH 44691 ✓

Donald Nunley ✓  
36 Autumn Drive, Core, WV 26541 ✓

Mary Nunley Stepelton ✓  
7739 South Hampton Terrace, Unit G204, Tamarac, FL 33321 ✓

Thomas McCauley ✓  
220 Kennedy Street, Apt 5, Louisville, OH 44641 ✓

Richard McCauley ✓  
2589 Timothy Ave., Louisville, OH 44641 ✓

Judy Eckman ✓  
630 Coniston Drive, Leland, NC 28451-9754 ✓

Clifford J. Wise ✓  
2394 County Road 137, Obrien, FL 32071 ✓

Regina W. Myers ✓  
1200 Carroll Heights Blvd., Hagerstown, MD 21742 ✓

Eleanor Wise ✓  
126 Fairview Ave., Waynesburg, PA 15370 ✓

Victor E. Wise ✓  
PO Box 7437, Charleston, WV 25356 ✓

Frederick C. Wise ✓  
1 West Hills Drive, Fairmont, WV 26554 ✓

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Walter C. Ord  
P.O. Box 802, McDowell, KY 41647 ✓

Evalee A. Everly  
1325 Citrus Gardens Dr., Apt A, Orlando, FL 32807 ✓

Dexter Murle Stewart  
1283 Crossroads Road, Fairview, WV 26570 ✓

Zelma Ruth Brummage  
3036 Main St., Farmington, WV 26571 ✓

James Freeman Stewart  
1206 Marion Ave. Fairmont, WV 26554 ✓

Justin P. Stewart  
132 Radiant Drive, Martinsburg, WV 25404 ✓

Annette Stewart  
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Dawn Hughes  
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18501 Clagget Landing, Upper Marlboro, MD 20774 ✓

Brianna Skyler Sweeney  
18502 Clagget Landing, Upper Marlboro, MD 20774 ✓

Wally Currence  
16200 Bealle Hill Road, Waldorf, MD 20601 ✓

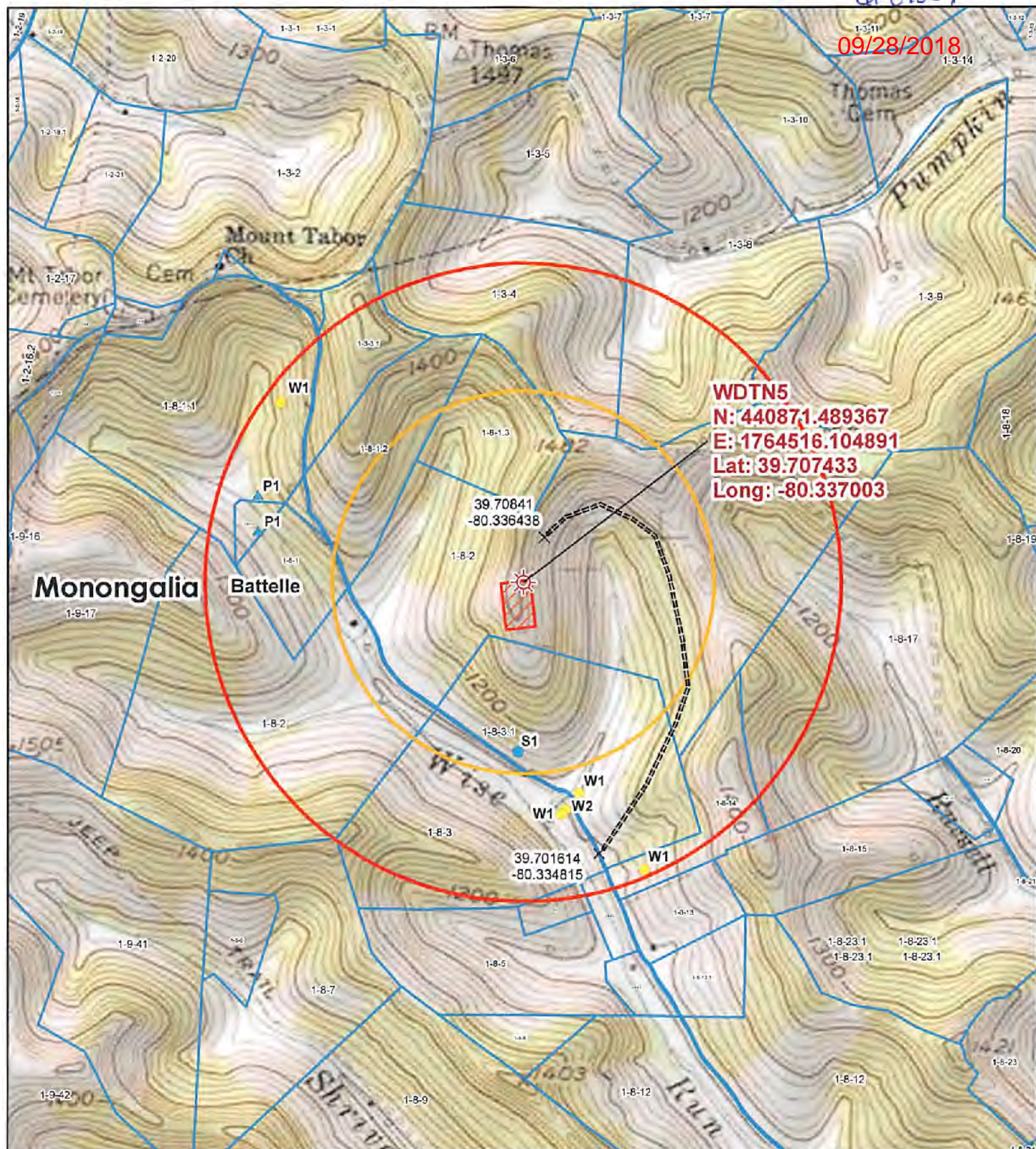
Maureen Currence  
203 Silver Maple Ct., Holly Ridge, NC 28445 ✓

Michelle Currence  
1 Carroll Drive, Stafford, VA 22554 ✓

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Lot 1, Route 21 MHP, Carmichaels, PA 15320 ✓

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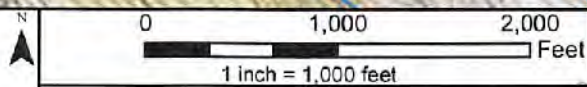
**WDTN5**  
**N: 440871.489367**  
**E: 1764516.104891**  
**Lat: 39.707433**  
**Long: -80.337003**

39.70841  
-80.336438

39.701614  
-80.334815

**Legend**

- Wellbore
- Wells
- Spring
- Ponds
- Access Points
- Access Road
- 2,500 Foot Buffer
- 1,500 Foot Buffer
- Well Pad
- Surface Parcel



**CONSOL ENERGY**  
 CNX Center, Canonsburg, PA

Original Date: 11/13/2017

Prepared By: GIS

Revision Date: 11/13/2017

Approved By: GIS

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 Topographic Well Map  
**WDTN5**

61-01807

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 Price, UT 84501  
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 Judy Eckman  
 630 Coniston Drive,  
 Leland, NC 28451-9754  
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 Clifford J. Wise  
 2394 County Road 137,  
 Obrien, FL 32071  
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 1200 Carroll Heights Blvd.  
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**WASHINGTON PA**  
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Sent To  
 Eleanor Wise  
 126 Fairview Ave.  
 Waynesburg, PA 15370  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

61-01807

7014 1820 0001 7038 0761

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Sent To: Victor E. Wise  
PO Box 7427  
Charleston, WV 25356  
WDTN5-Surface/Coal

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PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0860

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Sent To: Frederick C. Wise  
1 West Hills Drive,  
Fairmont, WV 26554  
WDTN5-Surface/Coal

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Sent To: Walter C. Ord  
P.O. Box 802,  
McDowell, KY 41647  
WDTN5-Surface/Coal

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PS Form 3800, July 2014 See Reverse for Instructions

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Sent To: Evalee A. Everly  
1325 Citrus Gardens Dr., Apt A,  
Orlando, FL 32807  
WDTN5-Surface/Coal

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PS Form 3800, July 2014 See Reverse for Instructions

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Total Postage		

Sent To: Dexter Murie Stewart  
1283 Crossroads Road,  
Fairview, WV 26570  
WDTN5-Surface/Coal

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Total Postage		

Sent To: Zelma Ruth Brummage  
3036 Main St.  
Farmington, WV 26571  
WDTN5-Surface/Coal

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WV Department of Environmental Protection

3 of 7

01-01807

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USPS 15301

Sent To  
**James Freeman Stewart**  
1206 Marion Ave.  
Fairmont, WV 26554  
WDTN5-Surface/Coal

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7014 1820 0001 7038 0846

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Sent To  
**Justin P. Stewart**  
132 Radiant Drive,  
Martinsburg, WV 25404  
WDTN5-Surface/Coal

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7014 1820 0001 7038 0945

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USPS 15301

Sent To  
**Annette Stewart**  
41 Mimosa Dr.,  
Martinsburg, WV 25404  
WDTN5-Surface/Coal

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7014 1820 0001 7038 0730

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**WASHINGTON PA**  
USPS 15301

Sent To  
**David Hughes**  
1134 Brooke Rd.,  
Stafford, VA 22405  
WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0839

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Sent To  
**Bryan Kevin Goff**  
9325 Beaverdam Rd.,  
Nanjemoy, MD 20662  
WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

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USPS 15301

Sent To  
**Brandon Sweeney**  
18501 Clagget Landing,  
Upper Marlboro, MD 20774  
WDTN5-Surface/Coal

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Office of Oil and Gas  
APR 6 2018  
U.S. Department of Environmental Protection

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41-01807  
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Sent To  
 Brianna Skyler Sweeney  
 18502 Clagget Landing,  
 Upper Marlboro, MD 20774  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0622

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**USPS 15301**

Sent To  
 Wally Currence  
 16200 Bealle Hill Road,  
 Waldorf, MD 20601  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0921

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Restricted Delivery Fee (Endorsement Required)		
Total Post:		

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Sent To  
 Maureen Currence  
 203 Silver Maple Ct.,  
 Holly Ridge, NC 28445  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0716

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Restricted Delivery Fee (Endorsement Required)		
Total Post:		

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Sent To  
 Michelle Currence  
 1 Carrol Drive  
 Stafford, VA 22554  
 WDTN5-Surface/Coal

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Total Post:		

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Sent To  
 Robert Stewart  
 Lot 1, Route 21 MHP,  
 Carmichaels, PA 15320  
 WDTN5-Surface/Coal

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Restricted Delivery Fee (Endorsement Required)		
Total Post:		

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**USPS 15301**

Sent To  
 Phyllis Petrosky  
 110 Chess St., Apt 401,  
 New Eagle, PA 15067  
 WDTN5-Surface/Coal

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 WV Department of Environmental Protection  
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41-01807

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Certified Fee	
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Restricted Delivery Fee (Endorsement Required)	
Total Postage	

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Sent To  
 Jesse D. Jones 15301  
 308 1/2 Crest Ave.,  
 Charleroi, PA 15022  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0662

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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

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Sent To  
 Harold M. Jones 15301  
 317 Crest Ave.,  
 Charleroi, PA 15022  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0624

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Restricted Delivery Fee (Endorsement Required)	
Total Postage	

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Sent To  
 CNX Gas Company LLC 15301  
 1000 Consol Energy Drive,  
 Canonsburg, PA 15317  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0693

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Restricted Delivery Fee (Endorsement Required)	
Total Postage	

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Sent To  
 Jane Irons 15301  
 P.O. Box 681,  
 Tellico Plains, TN 37385  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0655

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

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Sent To  
 Melissa Bookout 15301  
 311 West Walnut St.,  
 Madisonville, TN 37354  
 WDTN5-Surface/Coal

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7014 1820 0001 7038 0617

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Sent To  
 Barbara J. Wagner  
 573 Wise Run Road  
 Wana, WV 26590  
 WDTN5-Surface Road

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 Office of Outreach & Development  
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 WV Dept. of Environmental Protection

01-01807

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 USPS - 15301

Sent To  
 CNX RCPC LC  
 1000 CONSOL Energy Drive,  
 Canonsburg, PA 15317  
 WDTN5-Coal

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7014 1820 0001 7038 0648

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Sent To  
 CCC RCPC LLC  
 1001 CONSOL Energy Drive,  
 Canonsburg, PA 15317  
 WDTN5-Coal

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Sent To  
 Richard W. Wise  
 7817 Mason Dixon Highway,  
 Wana, WV 26590  
 WDTN5-Coal

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7014 1820 0001 7038 0679

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Sent To  
 Kathy A. Sine  
 343 Statler Run Road,  
 Fairview, WV 26570  
 WDTN5-Coal

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Sent To  
 John David Wise  
 3 Cross Roads Road,  
 Wana, WV 26590  
 WDTN5-Coal

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7014 1820 0001 7038 0594

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Sent To  
 Linda Stapp  
 124 Reservoir Rd.,  
 St. Clairsville, OH 43950  
 WDTN5-Coal

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 Office of Oil and Gas  
 APR 6 2018  
 WV Department of Environmental Protection

PS Form 3800, July 2014 See Reverse for Instructions

09/28/2018

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:** 4-4-18 **Date Permit Application Filed:** 4-5-18

**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: <u>See attached</u>	Name: _____
Address: _____	Address: _____

**Notice is hereby given:**

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

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>1732993.052</u>
County: <u>Monongalia</u>	Northing: <u>440548.227</u>
District: <u>Battelle</u>	Public Road Access: <u>CR6 Wise Run</u>
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>Wise</u>
Watershed: <u>Dunkard Creek</u>	

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 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 Consol Energy Drive  
Canonsburg, PA 15317  
 Telephone: 724-485-3540  
 Email: RaymondHoon@CNX.com  
 Facsimile: \_\_\_\_\_

Authorized Representative: Raymond Hoon  
 Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317  
 Telephone: 724-485-3540  
 Email: RaymondHoon@CNX.com  
 Facsimile: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection

**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).

61-01807  
09/28/2018

**WW6A4 Notice of Intent to Drill - Attachment**

**WDTN5**

**Surface Owner(s) (Well Site & Road and/or Other Disturbance):**

John Matthew Wise and Dina Wise  
2255 East 6500 South, Price, UT 84501 ✓

Opal Wise  
2002 West 600 North Hilltop Road, Price, UT 84501 ✓

Richard Nunley  
261 Festival Drive, Oceanside, CA 92057 ✓

Patricia Mumaw  
3344 Northridge Drive, Wooster, OH 44691 ✓

Donald Nunley  
36 Autumn Drive, Core, WV 26541 ✓

Mary Nunley Stepelton  
7739 South Hampton Terrace, Unit G204, Tamarac, FL 33321 ✓

Thomas McCauley  
220 Kennedy Street, Apt 5, Louisville, OH 44641 ✓

Richard McCauley  
2589 Timothy Ave., Louisville, OH 44641 ✓

Judy Eckman  
630 Coniston Drive, Leland, NC 28451-9754 ✓

Clifford J. Wise  
2394 County Road 137, Obrien, FL 32071 ✓

Regina W. Myers  
1200 Carroll Heights Blvd., Hagerstown, MD 21742 ✓

Eleanor Wise  
126 Fairview Ave., Waynesburg, PA 15370 ✓

Victor E. Wise  
PO Box 7437, Charleston, WV 25356

Frederick C. Wise  
1 West Hills Drive, Fairmont, WV 26554

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection



Walter C. Ord  
P.O. Box 802, McDowell, KY 41647

Evalée A. Everly  
1325 Citrus Gardens Dr., Apt A, Orlando, FL 32807

Dexter Murle Stewart  
1283 Crossroads Road, Fairview, WV 26570

Zelma Ruth Brummage  
3036 Main St., Farmington, WV 26571

James Freeman Stewart  
1206 Marion Ave. Fairmont, WV 26554

Justin P. Stewart  
132 Radiant Drive, Martinsburg, WV 25404

Annette Stewart  
41 Mimosa Dr., Martinsburg, WV 25404

Dawn Hughes  
1134 Brooke Rd., Stafford, VA 22405

Bryan Kevin Goff  
9325 Beaverdam Rd., Nanjemoy, MD 20662

Brandon Sweeney  
18501 Clagget Landing, Upper Marlboro, MD 20774

Brianna Skyler Sweeney  
18502 Clagget Landing, Upper Marlboro, MD 20774

Wally Currence  
16200 Bealle Hill Road, Waldorf, MD 20601

Maureen Currence  
203 Silver Maple Ct., Holly Ridge, NC 28445

Michelle Currence  
1 Carroll Drive, Stafford, VA 22554

Robert Stewart  
Lot 1, Route 21 MHP, Carmichaels, PA 15320

Phyllis Petrosky  
110 Chess St., Apt 401, New Eagle, PA 15067

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Jesse D. Jones  
308 1/2 Crest Ave., Charleroi, PA 15022

Harold M. Jones  
317 Crest Ave., Charleroi, PA 15022

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

Jane Irons  
P.O. Box 681, Tellico Plains, TN 37385

Melissa Bookout  
311 West Walnut St., Madisonville, TN 37354

Barbara J. Wagner  
573 Wise Run Road, Wana, WV 26590

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**Sent To:** John Matthew Wise and Dina Wise  
2255 East 6500 South,  
Price, UT 84501  
WDTN5-Surface/Coal

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**Sent To:** Opal Wise  
2002 West 600 North Hilltop Road,  
Price, UT 84501  
WDTN5-Surface/Coal

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**Sent To:** Richard Nunley  
261 Festival Drive,  
Oceanside, CA 92057  
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**Sent To:** Patricia Mumaw  
3344 Northridge Drive,  
Wooster, OH 44691  
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**Sent To:** Donald Nunley  
36 Autumn Drive,  
Core, WV 26541  
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**Sent To:** Mary Nunley Steplon  
7739 South Hampton Terrace, Unit G204,  
Tamarac, FL 33321  
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Sent To  
 Thomas McCauley  
 220 Kennedy Street, Apt 5,  
 Louisville, OH 44641  
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Sent To  
 Richard McCauley  
 2589 Timothy Ave.,  
 Louisville, OH 44641  
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Sent To  
 Judy Eckman  
 630 Coniston Drive,  
 Leland, NC 28451-9754  
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Sent To  
 Clifford J. Wise  
 2394 County Road 137,  
 Obrien, FL 32071  
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Sent To  
 Regina W. Myers  
 1200 Carroll Heights Blvd.,  
 Hagerstown, MD 21742  
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Sent To  
 Eleanor Wise  
 126 Fairview Ave.,  
 Waynesburg, PA 15370  
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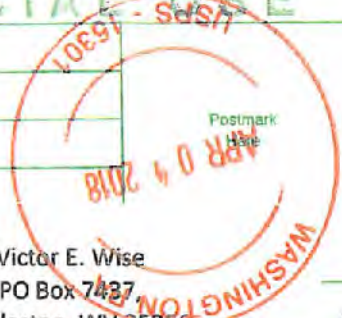
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Victor E. Wise  
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 Charleston, WV 25356  
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Frederick C. Wise  
 1 West Hills Drive,  
 Fairmont, WV 26554  
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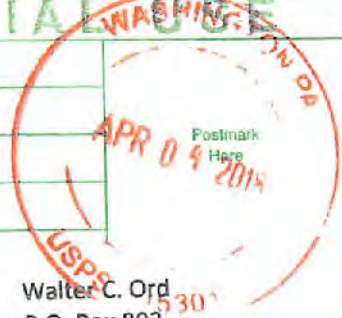
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Walter C. Ord  
 P.O. Box 802,  
 McDowell, KY 41647  
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Evalee A. Everly  
 1325 Citrus Gardens Dr., Apt A,  
 Orlando, FL 32807  
 WDTN5-Surface/Coal

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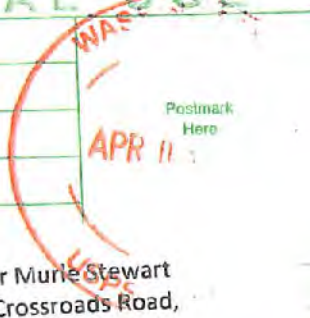
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Dexter Murle Stewart  
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 Fairview, WV 26570  
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Zelma Ruth Brummage  
 3036 Main St,  
 Farmington, WV 26571  
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3 of 6

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James Freeman Stewart  
 1206 Marion Ave.  
 Fairmont, WV 26554  
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Justin P. Stewart  
 132 Radiant Drive,  
 Martinsburg, WV 25404  
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Annette Stewart  
 41 Mimosa Dr.,  
 Martinsburg, WV 25404  
 WDTN5-Surface/Coal

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Dawn Hughes  
 1134 Brooke Rd,  
 Stafford, VA 22405  
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Bryan Kevin Goff  
 9325 Beaverdam Rd.,  
 Nanjemoy, MD 20662  
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Brandon Sweeney  
 18501 Clagget Landing,  
 Upper Marlboro, MD 20774  
 WDTN5-Surface/Coal

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 Street & Apt. / or PO Box No.  
 City, State, ZIP

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Sent To  
 Brianna Skyler Sweeney  
 18502 Clagget Landing,  
 Upper Marlboro, MD 20774  
 WDTN5-Surface/Coal

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Sent To  
 Wally Currence  
 16200 Bealle Hill Road,  
 Waldorf, MD 20601  
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Sent To  
 Maureen Currence  
 203 Silver Maple Ct.,  
 Holly Ridge, NC 28445  
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Sent To  
 Michelle Currence  
 1 Carroll Drive,  
 Stafford, VA 22554  
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Sent To  
 Robert Stewart  
 Lot 1, Route 21 MHP,  
 Carmichaels, PA 15320  
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Sent To  
 Phyllis Petrosky  
 110 Chess St., Apt 401,  
 New Eagle, PA 15067  
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Sent To  
**Jesse D. Jones**  
 308 1/2 Crest Ave.,  
 Charleroi, PA 15022  
 WDTN5-Surface/Coal

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
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Sent To  
**Harold M. Jones**  
 317 Crest Ave.,  
 Charleroi, PA 15022  
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Sent To  
**CNX Gas Company LLC**  
 1000 Consol Energy Drive,  
 Canonsburg, PA 15317  
 WDTN5-Surface/Coal

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Sent To  
**Jane Irons**  
 P.O. Box 681,  
 Tellico Plains, TN 37385  
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Sent To  
**Melissa Bookout**  
 311 West Walnut St.,  
 Madisonville, TN 37354  
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**Barbara J. Wagner**  
 573 Wise Run Road  
 Wana, WV 26590  
 WDTN5-Surface Road

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09/28/2018

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

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

**Date of Notice:** 4-4-18 **Date Permit Application Filed:** 4-5-18

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

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

HAND  
DELIVERY

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

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

Name: See attached Name: \_\_\_\_\_  
Address: \_\_\_\_\_ Address: \_\_\_\_\_  
\_\_\_\_\_

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>1732993.052</u>
County:	<u>Monongalia</u>		Northing:	<u>440548.227</u>
District:	<u>Battelle</u>	Public Road Access:		<u>CR6 Wise Run</u>
Quadrangle:	<u>Wadestown</u>	Generally used farm name:		<u>Wise</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: CNX Gas Company LLC  
Telephone: 724-485-3540  
Email: RaymondHoon@CNX.com

Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317

Facsimile: \_\_\_\_\_

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**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).

WV Department of Environmental Protection

09/28/2018

61-01807

WDTN5

**WW6A5 Notice of Planned Operation - Attachment**

**Surface Owner(s) (Well Site & Road and/or Other Disturbance):**

John Matthew Wise and Dina Wise  
2255 East 6500 South, Price, UT 84501

Opal Wise  
2002 West 600 North Hilltop Road, Price, UT 84501

Richard Nunley  
261 Festival Drive, Oceanside, CA 92057

Patricia Mumaw  
3344 Northridge Drive, Wooster, OH 44691

Donald Nunley  
36 Autumn Drive, Core, WV 26541

Mary Nunley Stepelton  
7739 South Hampton Terrace, Unit G204, Tamarac, FL 33321

Thomas McCauley  
220 Kennedy Street, Apt 5, Louisville, OH 44641

Richard McCauley  
2589 Timothy Ave., Louisville, OH 44641

Judy Eckman  
630 Coniston Drive, Leland, NC 28451-9754

Clifford J. Wise  
2394 County Road 137, Obrien, FL 32071

Regina W. Myers  
1200 Carroll Heights Blvd., Hagerstown, MD 21742

Eleanor Wise  
126 Fairview Ave., Waynesburg, PA 15370

Victor E. Wise  
PO Box 7437, Charleston, WV 25356

Frederick C. Wise  
1 West Hills Drive, Fairmont, WV 26554

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Walter C. Ord  
P.O. Box 802, McDowell, KY 41647

Evalee A. Everly  
1325 Citrus Gardens Dr., Apt A, Orlando, FL 32807

Dexter Murle Stewart  
1283 Crossroads Road, Fairview, WV 26570

Zelma Ruth Brummage  
3036 Main St., Farmington, WV 26571

James Freeman Stewart  
1206 Marion Ave. Fairmont, WV 26554

Justin P. Stewart  
132 Radiant Drive, Martinsburg, WV 25404

Annette Stewart  
41 Mimosa Dr., Martinsburg, WV 25404

Dawn Hughes  
1134 Brooke Rd., Stafford, VA 22405

Bryan Kevin Goff  
9325 Beaverdam Rd., Nanjemoy, MD 20662

Brandon Sweeney  
18501 Clagget Landing, Upper Marlboro, MD 20774

Brianna Skyler Sweeney  
18502 Clagget Landing, Upper Marlboro, MD 20774

Wally Currence  
16200 Bealle Hill Road, Waldorf, MD 20601

Maureen Currence  
203 Silver Maple Ct., Holly Ridge, NC 28445

Michelle Currence  
1 Carroll Drive, Stafford, VA 22554

Robert Stewart  
Lot 1, Route 21 MHP, Carmichaels, PA 15320

Phyllis Petrosky  
110 Chess St., Apt 401, New Eagle, PA 15067

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Jesse D. Jones  
308 1/2 Crest Ave., Charleroi, PA 15022 ✓

Harold M. Jones  
317 Crest Ave., Charleroi, PA 15022 ✓

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

Jane Irons  
P.O. Box 681, Tellico Plains, TN 37385 ✓

Melissa Bookout  
311 West Walnut St., Madisonville, TN 37354 ✓

Barbara J. Wagner  
573 Wise Run Road, Wana, WV 26590 ✓

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Sent To: **John Matthew Wise and Dina Wise**  
 2255 East 6500 South,  
 Price, UT 84501  
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Sent To: **Opal Wise**  
 2002 West 600 North Hilltop Road,  
 Price, UT 84501  
 WDTN5-Surface/Coal

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Sent To: **Richard Nunley**  
 261 Festival Drive,  
 Oceanside, CA 92057  
 WDTN5-Surface/Coal

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Sent To: **Patricia Mumaw**  
 3344 Northridge Drive,  
 Wooster, OH 44691  
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Sent To: **Donald Nunley**  
 36 Autumn Drive,  
 Core, WV 26541  
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Sent To: **Mary Nunley Stepelton**  
 7739 South Hampton Terrace, Unit G204,  
 Tamarac, FL 33321  
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Thomas McCauley  
220 Kennedy Street, Apt 5,  
Louisville, OH 44641  
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Richard McCauley  
2589 Timothy Ave.,  
Louisville, OH 44641  
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Judy Eckman  
630 Coniston Drive,  
Leland, NC 28451-9754  
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Clifford J. Wise  
2394 County Road 137,  
Obrien, FL 32071  
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Regina W. Myers  
1200 Carroll Heights Blvd.,  
Hagerstown, MD 21742  
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Sent To  
Eleanor Wise  
126 Fairview Ave.,  
Waynesburg, PA 15370  
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Victor E. Wise  
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Charleston, WV 25356  
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Frederick C. Wise  
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Fairmont, WV 26554  
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Walter C. Ord  
P.O. Box 802,  
McDowell, KY 41647  
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Evalée A. Everly  
1325 Citrus Gardens Dr., Apt A,  
Orlando, FL 32807  
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Dexter Murie Stewart  
1283 Crossroads Road,  
Fairview, WV 26570  
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Zelma Ruth Brummage  
3036 Main St.  
Farmington, WV 26571  
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James Freeman Stewart  
1206 Marion Ave.  
Fairmont, WV 26554  
WDTN5-Surface/Coal

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Street & Apt. No. or PO Box No.  
City, State, ZIP+4

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Justin P. Stewart  
132 Radiant Drive,  
Martinsburg, WV 25404  
WDTN5-Surface/Coal

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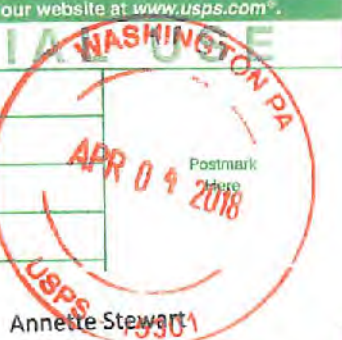
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Annette Stewart  
41 Mimosa Dr.,  
Martinsburg, WV 25404  
WDTN5-Surface/Coal

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Dawn Hughes  
1134 Brooke Rd.,  
Stafford, VA 22405  
WDTN5-Surface/Coal

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Bryan Kevin Goff  
9325 Beaverdam Rd.,  
Nanjemoy, MD 20662  
WDTN5-Surface/Coal

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Brandon Sweeney  
18501 Clagget Landing,  
Upper Marlboro, MD 20774  
WDTN5-Surface/Coal

Sent To  
Street & Apt. No. or PO Box No.  
City, State, ZIP+4

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Sent To: Brianna Skyler Sweeney  
 18502 Clagget Landing,  
 Upper Marlboro, MD 20774  
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Sent To: Wally Currence  
 16200 Bealle Hill Road,  
 Waldorf, MD 20601  
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Sent To: Maureen Currence  
 203 Silver Maple Ct.,  
 Holly Ridge, NC 28445  
 WDTN5-Surface/Coal

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Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

**WASHINGTON PA**  
**APR 04 2018**  
**USPS - 15301**

Sent To: Michelle Currence  
 1 Carroll Drive  
 Stafford, VA 22554  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0815

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
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**OFFICIAL USE**

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

**WASHINGTON PA**  
**APR 04 2018**  
**USPS - 15301**

Sent To: Robert Stewart  
 Lot 1, Route 21 MHP,  
 Carmichaels, PA 15320  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0914

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Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage			

**WASHINGTON PA**  
**APR 11 2018**  
**USPS - 15301**

Sent To: Phyllis Petrosky  
 110 Chess St., Apt 401,  
 New Eagle, PA 15067  
 WDTN5-Surface/Coal

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018  
 WV Department of Environmental Protection

PS Form 3800, July 2014 See Reverse for Instructions

506

7014 1820 0001 7038 0709

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Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Post		

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

Sent To  
 Jesse D. Jones  
 308 1/2 Crest Ave.,  
 Charleroi, PA 15022  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

61-01807  
09/28/2018

7014 1820 0001 7038 0662

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Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

Sent To  
 Harold M. Jones  
 317 Crest Ave.,  
 Charleroi, PA 15022  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0624

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**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Post		

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

Sent To  
 CNX Gas Company LLC  
 1000 Consol Energy Drive,  
 Canonsburg, PA 15317  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0693

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**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Post		

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

Sent To  
 Jane Irons  
 P.O. Box 681,  
 Tellico Plains, TN 37385  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0655

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**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

Sent To  
 Melissa Bookout  
 311 West Walnut St.,  
 Madisonville, TN 37354  
 WDTN5-Surface/Coal

PS Form 3800, July 2014 See Reverse for Instructions

7014 1820 0001 7038 0617

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
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For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage		

Postmark Here  
**WASHINGTON PA**  
**APR 04 2018**  
**USPS 15301**

RECEIVED  
 Department of Oil and Gas  
 APR 6 2018  
 WV Department of Environmental Protection

Sent To  
 Barbara J. Wagner  
 573 Wise Run Road  
 Wana, WV 26590  
 WDTN5-Surface Road

PS Form 3800, July 2014 See Reverse for Instructions

leaf 6

61-01807  
09/28/2018



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
**Division of Highways**

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

Jim Justice  
Governor

Thomas J. Smith, P. E.  
Secretary of Transportation/  
Commissioner of Highways

December 6, 2017 ✓

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 WDTN5 Pad, Monongalia County  
WDTN5CHSU Well Site

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #04-2017-0929 for the subject site to CNX Gas Company LLC, for access to the State Road for the well site located off of Monongalia County Route 6.

The operator has signed an 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 January 3, 2012.

Very Truly Yours,

A handwritten signature in blue ink that reads "Gary K. Clayton".

Gary K. Clayton  
Regional Maintenance Engineer  
Central Office Oil & Gas Coordinator

Cc: Ray Hoon  
CNX Gas Company LLC  
CH, OM, D-4  
File

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Office of Oil and Gas

APR 6 2018

WV Department of  
Environmental Protection

## Section V – Proposed Additives to be used in Fracturing or Stimulations

Type: Water CAS: 7732-18-5

Type: Silica CAS: 14808-60-7

Type: Hydrochloric Acid CAS: 7647-01-0

Type: Copolymer of Two Propenamide CAS: 69418-26-4

Type: Petroleum distillate CAS: 64742-47-8

Type: Glutaraldehyde CAS: 111-30-8

Type: Ethylene glycol CAS: 107-21-1

Type: Diethylene glycol mono n-butyl ether CAS: 112-34-5

Type: Oleic acid diethanolamide CAS: 93-83-4

Type: Alcohols, C12-16, ethoxylated CAS: 68551-12-2

Type: Quaternary ammonium compound CAS: 68424-85-1

Type: Ammonium chloride CAS: 12125-02-9

Type: Short chained glycol ether CAS: 112-34-5

Type: Ethoxylated (C10-16) alcohols CAS: 68002-97-1

Type: Metanol CAS: 67-56-1

Type: Formaldehyde CAS: 50-00-0

Type: Thiourea CAS: 62-56-6

Type: Acetophenone CAS: 98-86-2

RECEIVED  
Office of Oil and Gas

APR 6 2013

WV Department of  
Environmental Protection

# Bond

KNOW ALL MEN BY THESE PRESENTS:

BOND NO CMS0260702

That CNX Gas Company, LLC  
Address CNX Center, 1000 CONSOL Energy Dr, Canonsburg, PA 15317; Phone No 724-485-4000  
as principal, and RLI Insurance Company, a corporation, organized  
and existing under the laws of the State of Illinois, with principal office at  
P. O. Box 3967, Peoria, IL 61612, and duly licensed  
and authorized to do business in the State of West Virginia as surety, are held and firmly bound unto the State  
of West Virginia in the just and full sum of Two Hundred Fifty Thousand and NO/100  
Dollars (\$250,000.00), for the payment whereof well and truly to be made, we bind ourselves, our heirs,  
executors, administrators, successors and assigns, jointly and severally by these presents

WITNESS the signatures and seals of said principal and surety, both thereunto duly authorized this 6th day  
of July, 2011

The condition of the above obligation is such, that whereas, the above bound principal has filed with West  
Virginia Division of Highways its written application for a permit to install for heavy hauling on all  
(his, us, etc.)  
'state local service' roads within District Four in accordance with WV Code 17-1-28 and as defined in  
WV Code 17-4-2(d) (herein referred to as "Covered Roads") District Four is made up of six counties,  
Harrison, Doddridge, Marion, Monongalia, Taylor and Preston  
along bridges, roads and highways in the State of West Virginia, in manner and form prescribed by The West  
Virginia Division of Highways, which may result in damage to said bridges, roads, highways, shoulders, and  
ditches thereof

Now, if the said CNX Gas Company, LLC  
principal, shall properly repair any and all damages that may result to said bridges, roads, highways, shoulders, and  
ditches, upon which it may perform work, to as good condition as when same was entered upon, as determined by  
the District Engineer of The West Virginia Division of Highways having jurisdiction over the work permitted, or  
pay damages therefore in an amount sufficient to properly restore such bridges, roads, highways, shoulders, and  
ditches to such original condition, and shall reimburse The West Virginia Division of Highways for all inspection  
costs incurred by it in connection with said work and repairs of such damages and faithfully comply with all terms,  
provisions and conditions of said permit and save harmless West Virginia Division of Highways and the State of  
West Virginia from all losses resulting from the conduct of said work or repairs; then this obligation to be void,  
otherwise to remain in full force and effect

By execution of this bond the Principal and the Surety affirm that the text above is a verbatim reproduction of  
The West Virginia Division of Highways Bond Form SM-6, Revised 5-19-05. Attached notarized signatures and  
Power-of-Attorney are a part of this contract.

(SEAL)

(SEAL)

CNX Gas Company, LLC  
By Stephen W. Johnson, Manager  
Its Stephen W. Johnson, Manager  
RECEIVED  
Office of Oil and Gas  
APR 6 2013

(SEAL)

RLI Insurance Company  
By Heidi A. Notheisen  
Its Heidi A. Notheisen  
A Corporation  
WV Department of  
Environmental Protection

FORM BM-6  
PAGE 2 OF 2

STATE OF Pennsylvania  
COUNTY OF Washington, TO-WIT:

I, Kathryn A. Galie, a Notary Public in and for the County and State  
aforesaid, do hereby certify that Stephen W. Johnson  
whose name is signed to the foregoing writing, bearing date the 6th day of July, 2011,  
has this day acknowledged the same before me in my said County and State

Given under my hand this 8th day of July, 2011  
My commission expires October 1, 2011

Notary Public  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Kathryn A. Galie, Notary Public  
Upper St. Clair Twp., Allegheny County  
My Commission Expires Oct. 1, 2011  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_, TO-WIT:

I, \_\_\_\_\_, a Notary Public in and for the County and State  
aforesaid, do hereby certify that \_\_\_\_\_  
who signed the foregoing writing bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for  
\_\_\_\_\_ a corporation, has this day in my said County, before me, acknowledged the said writing to be the act and deed of  
said corporation.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
My commission expires \_\_\_\_\_

Notary Public.

STATE OF Missouri  
COUNTY OF St. Louis City, TO-WIT:

I, JoAnn R. Frank, a Notary Public in and for the County and State  
aforesaid, do hereby certify that Heidi A. Noltheisen  
who signed the foregoing writing bearing date the 6th day of July, 20 11, for  
RLI Insurance Company

a corporation, has this day in my said County, before me, acknowledged the said writing to be the act and deed of  
said corporation.

Given under my hand this 6th day of July, 20 2011  
My commission expires June 20, 2014

Notary Public.

JOANN R. FRANK  
Notary Public - Missouri  
State of Missouri  
Commissioner for St. Louis City  
My Commission Expires June 20, 2014  
Commission # 10395672

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection



RLI Surety  
P.O. Box 3967 | Peoria, IL 61612-3967  
Phone: (800)645-2402 | Fax: (309)689-2036  
www.rlicorp.com

# POWER OF ATTORNEY

## RLI Insurance Company

**Know All Men by These Presents:**

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That **RLI Insurance Company**, an Illinois corporation, does hereby make, constitute and appoint:  
Pamela A. Beelman, Cynthia J. Choren, Heidi A. Notheisen, Debra C. Schneider, JoAnn R. Frank, Karen L. Roeder, Sandra L. Ham,  
jointly or severally

in the City of Saint Louis, State of Missouri its true and lawful Agent and Attorney in Fact, with full power and authority hereby conferred, to sign, execute, acknowledge and deliver for and on its behalf as Surety, the following described bond.

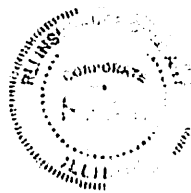
Any and all bonds provided the bond penalty does not exceed Twenty Five Million Dollars (\$25,000,000.00).

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon this Company as if such bond had been executed and acknowledged by the regularly elected officers of this Company.

The **RLI Insurance Company** further certifies that the following is a true and exact copy of the Resolution adopted by the Board of Directors of **RLI Insurance Company**, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the **RLI Insurance Company** has caused these presents to be executed by its Vice President with its corporate seal affixed this 31st day of March, 2010.



**RLI Insurance Company**

By: [Signature]  
Roy C. Die Vice President

State of Illinois }  
County of Peoria } SS

**CERTIFICATE**

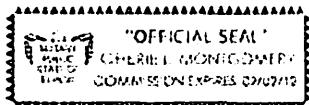
On this 31st day of March, 2010, before me, a Notary Public, personally appeared Roy C. Die, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and acknowledged said instrument to be the voluntary act and deed of said corporation.

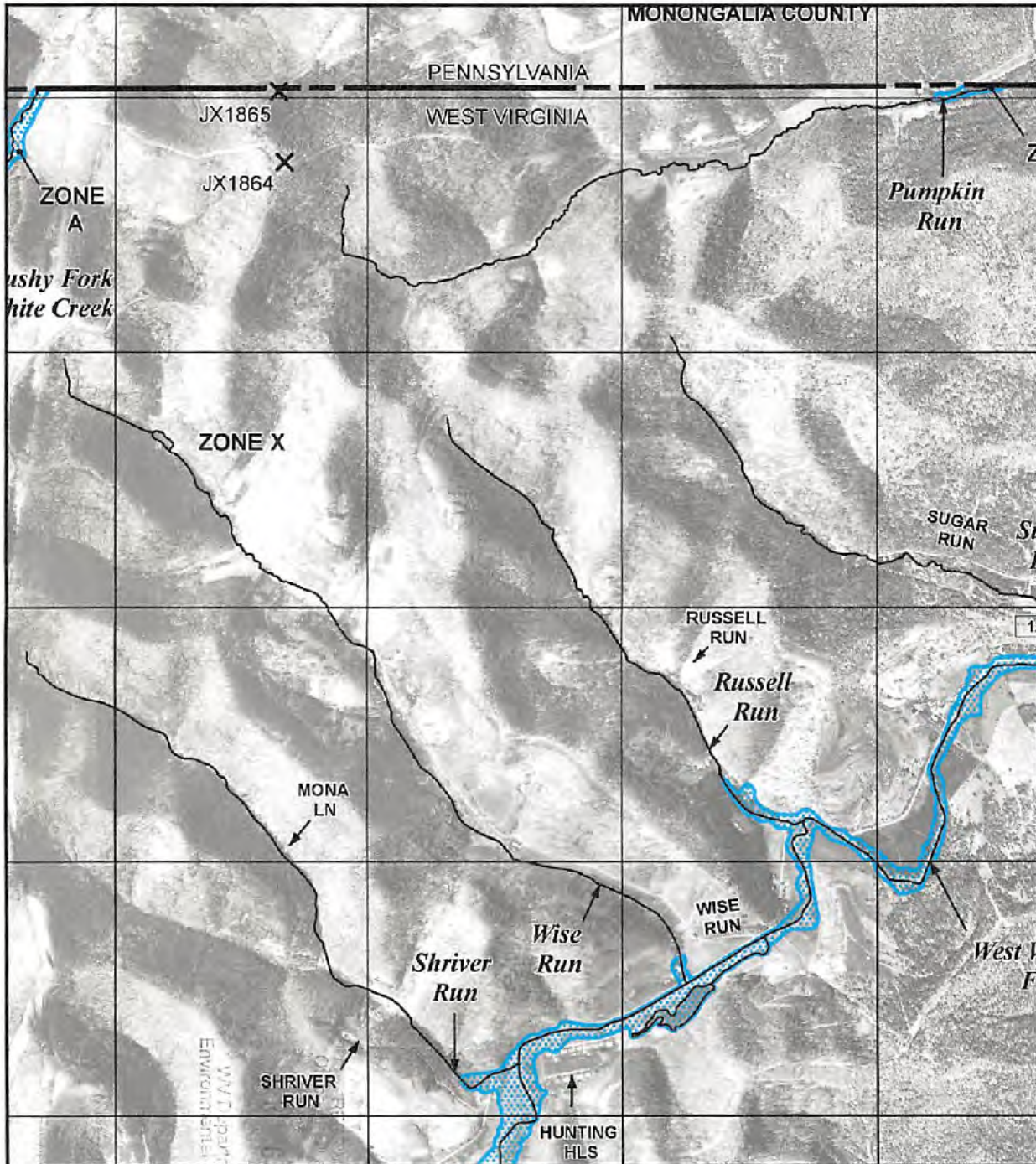
I, the undersigned officer of **RLI Insurance Company**, a stock corporation of the State of Illinois, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** this 6th day of July, 2011.

By: [Signature]  
Cherie L. Montgomery Notary Public

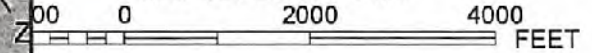
**RLI Insurance Company**  
By: [Signature]  
Roy C. Die Vice President

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Office of Oil and Gas  
APR 6 2018  
Ill. Department of  
Environmental Protection





MAP SCALE 1" = 2000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0050E

**FIRM**  
FLOOD INSURANCE RATE MAP

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

**PANEL 50 OF 325**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MONONGALIA COUNTY	540139	0050	E

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



**MAP NUMBER  
54061C0050E**

**EFFECTIVE DATE  
JANUARY 20, 2010**

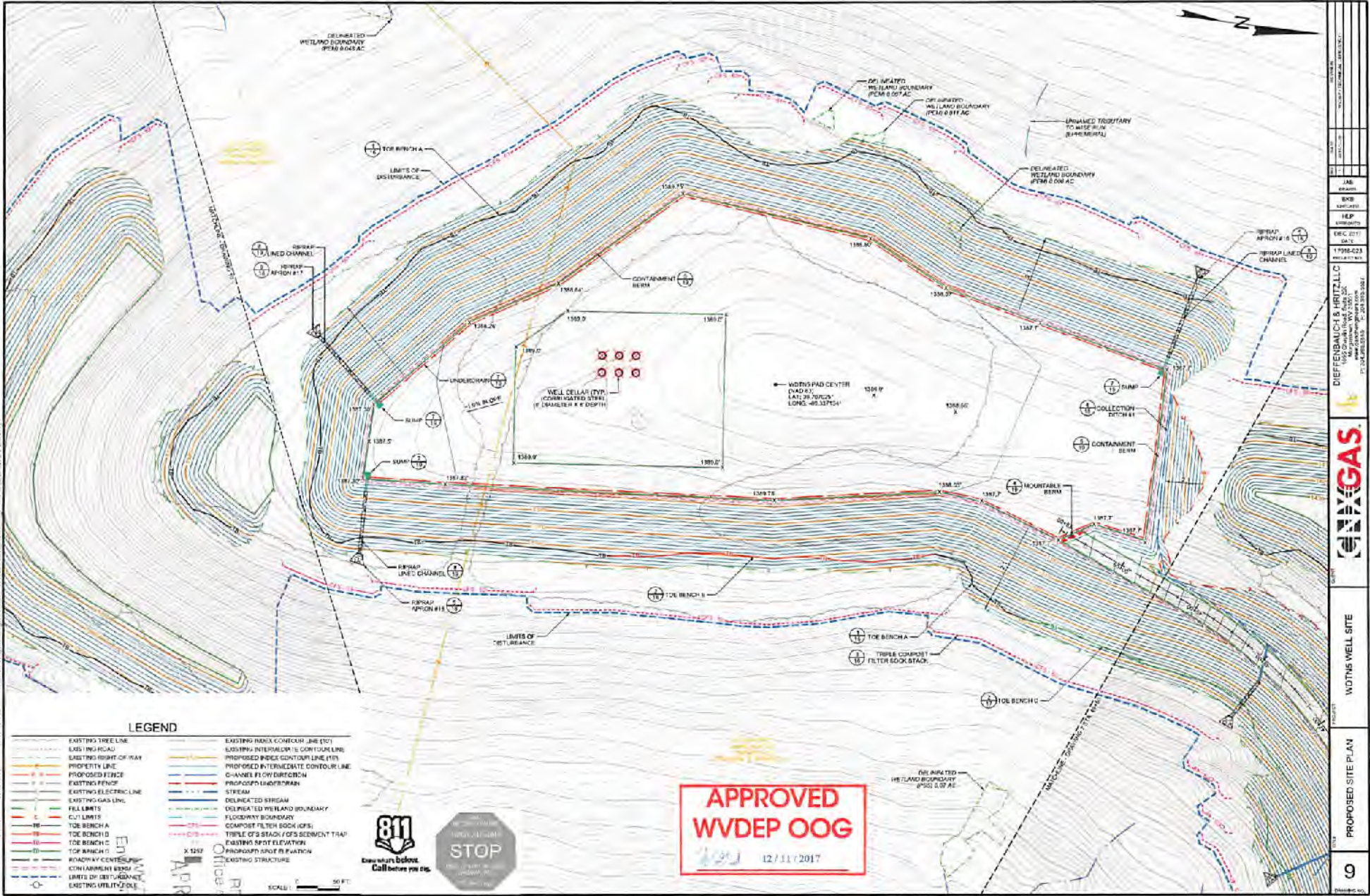
Federal Emergency Management Agency

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

WV Dept. of Environment and Natural Resources  
 2018  
 Oil and Gas







**LEGEND**

- |   |                        |   |                                       |
|---|------------------------|---|---------------------------------------|
| — | EXISTING TREE LINE     | — | EXISTING INDEX CONTOUR LINE (5')      |
| — | EXISTING ROAD          | — | EXISTING INTERMEDIATE CONTOUR LINE    |
| — | EXISTING RIGHT-OF-WAY  | — | PROPOSED INDEX CONTOUR LINE (5')      |
| — | PROPERTY LINE          | — | PROPOSED INTERMEDIATE CONTOUR LINE    |
| — | PROPOSED FENCE         | — | CHANNEL FLOW DIRECTION                |
| — | EXISTING FENCE         | — | PROPOSED UNDERDRAIN                   |
| — | EXISTING ELECTRIC LINE | — | STREAM                                |
| — | EXISTING GAS LINE      | — | DELIMITED STREAM                      |
| — | FEL LIMITS             | — | DELIMITED WETLAND BOUNDARY            |
| — | CUT LIMITS             | — | PROPERTY BOUNDARY                     |
| — | TOE BENCH A            | — | COMPOST FILTER SOCK (OPS)             |
| — | TOE BENCH B            | — | TRIPLE C/S STACK / C/S BENTONITE TRAP |
| — | TOE BENCH C            | — | EXISTING SPOT ELEVATION               |
| — | TOE BENCH D            | — | PROPOSED SPOT ELEVATION               |
| — | ROADWAY CENTERLINE     | — | EXISTING STRUCTURE                    |
| — | CONTAINMENT BERM       | — |                                       |
| — | LIMITS OF DISTURBANCE  | — |                                       |
| — | EXISTING UTILITY POLE  | — |                                       |



**APPROVED WVDEP OOG**  
12/11/2017

DATE: 12/11/2017	SCALE: AS SHOWN
BY: [Signature]	SCALE: 1" = 50'
CHECKED: [Signature]	
APP: [Signature]	
DATE: 12/11/2017	
PROJECT: WOTNS WELL SITE	
PROPOSED SITE PLAN	
DATE: 12/11/2017	

DIFFERDANGLIS & WITTELLIC  
1400 CHURCH ROAD SW  
MARTINSBURG, WV 26101  
TEL: 304.263.5555 FAX: 304.263.5562

**ENX GAS**

Department of Environmental Protection  
Office of Oil and Gas  
APPROVED  
6/2018

Surface Ownership - Drill Tract Only

<u>Name</u>	<u>Address</u>
John Matthew Wise and Dina Wise	2255 East 6500 South, Price, UT 84501
Opal Wise	2002 West 600 North Hilltop Road, Price, UT 84501
Richard Nunley	261 Festival Drive, Oceanside, CA 92057
Patricia Mumaw	3344 Northridge Drive, Wooster, OH 44691
Donald Nunley	36 Autumn Drive, Core, WV 26541
Mary Nunley Stepelton	7739 South Hampton Terrace, Unit G204, Tamarac, FL 33321
Thomas McCauley	220 Kennedy Street, Apt 5, Louisville, OH 44641
Richard McCauley	2589 Timothy Ave., Louisville, OH 44641
Judy Eckman	630 Coniston Drive, Leland, NC 28451-9754
Clifford J. Wise	2394 County Road 137, Obrien, FL 32071
Regina W. Myers	1200 Carroll Heights Blvd., Hagerstown, MD 21742
Eleanor Wise	126 Fairview Ave., Waynesburg, PA 15370
Victor E. Wise	PO Box 7437, Charleston, WV 25356
Frederick C. Wise	1 West Hills Drive, Fairmont, WV 26554
Walter C. Ord	P.O. Box 802, McDowell, KY 41647
Evallee A. Everly	1325 Citrus Gardens Dr., Apt A, Orlando, FL 32807
Dexter Murle Stewart	1283 Crossroads Road, Fairview, WV 26570
Zelma Ruth Brummage	3036 Main St., Farmington, WV 26571
James Freeman Stewart	1206 Marion Ave. Fairmont, WV 26554
Justin P. Stewart	322 W. Main Street, Martinsburg, WV 25404 132 Radiant Drive, Martinsburg, WV 25404
Annette Stewart	41 Mimosa Dr., Martinsburg, WV 25404
Estate of Debora Goff, c/o Dawn Hughes	1134 Brooke Rd., Stafford, VA 22405
Walter Currence	16200 Bealle Hill Road, Waldorf, MD 20601
Maureen Currence	203 Silver Maple Ct., Holly Ridge, NC 28445
Michelle Currence	1 Carroll Drive, Stafford, VA 22554
Robert Stewart	Lot 1, Route 21 MHP, Carmichaels, PA 15320
Phyllis Petrosky	110 Chess St., Apt 401, New Eagle, PA 15067
Jesse D. Jones	308 1/2 Crest Ave., Charleroi, PA 15022
Harold M. Jones	317 Crest Ave., Charleroi, PA 15022
CNX Gas Company LLC	1000 Consol Energy Drive, Canonsburg, PA
Jane Irons	P.O. Box 681, Tellico Plains, TN 37385
Melissa Bookout	311 West Walnut St., Madisonville, TN 37354

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Opal Jane Wise, Life Estate Holder, and John Matthew Wise and Dina M. Wise, Remaindermen, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated February 6, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1520, Page 510 as Instrument No. 582526.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10 day of October, 2017.

Opal Jane Wise  
Opal Jane Wise

John Matthew Wise  
John Matthew Wise

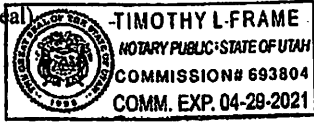
Dina M. Wise  
Dina M. Wise

STATE OF Utah  
COUNTY OF Carbon

The foregoing instrument was acknowledged before me on the 10 day of October, 2017 by Opal Jane Wise, Life Estate Holder.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



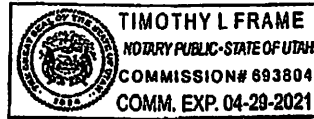
Timothy L. Frame  
NOTARY PUBLIC  
My Commission expires: 4-29-2021

STATE OF Utah  
COUNTY OF Carbon

The foregoing instrument was acknowledged before me on the 10 day of October, 2017 by John Matthew Wise and Dina M. Wise, Remaindermen.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Timothy L. Frame  
NOTARY PUBLIC  
My Commission expires: 4-29-2021

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated Feb. 06, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (OPERATOR), and Opal Jane Wise, Life Estate Holder, having an address at 2002 West 600 North Hilltop Road, Price, Utah 84501 and John Matthew Wise and Dina M. Wise, Remaindermen, as joint tenants with right of survivorship, having an address at 2255 East 6500, South Price, UT 84501 (GRANTOR).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Opal Jane Wise  
John Matthew Wise  
Dina M. Wise

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

YLL:00128 PG0513

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L. Blaney, Clerk  
Instrument 716611  
03/21/2018 @ 01:18:01  
MISCELLANEOUS  
Book 128 & Page 513  
Pages Recorded 3  
Recording Cost \$

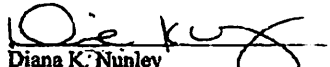
**CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)**

The undersigned, Richard A. Nunley and Diana K. Nunley, husband and wife, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated July 21, 2017 which is of record in the Office of the County Clerk of Monongalia County in Book 1596, Page 378 as Instrument No. 694477.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 08 day of October, 2017.

  
Richard A. Nunley

  
Diana K. Nunley

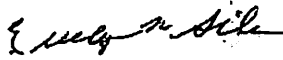
STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, 2017 by Richard A. Nunley and Diana K. Nunley, husband and wife. In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission expires: \_\_\_\_\_

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

\* SEE-CA- ATTACHMENT \*  
10/08/2017 

NOT 00128 PG0514

### CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

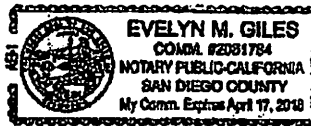
County of SAN DIEGO )

On Oct. 05, 2017 before me, EVELYN M. GILES NOTARY PUBLIC

personally appeared RICHARD A. NUNLEY and DIANA K. NUNLEY who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



[Signature]  
Notary Public Signature (Notary Public Seal)

#### ADDITIONAL OPTIONAL INFORMATION

**DESCRIPTION OF THE ATTACHED DOCUMENT**

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages \_\_\_\_\_ Document Date \_\_\_\_\_

**CAPACITY CLAIMED BY THE SIGNER**

Individual (s)

Corporate Officer

\_\_\_\_\_ (Title)

Partner(s)

Attorney-in-Fact

Trustee(s)

Other \_\_\_\_\_

#### INSTRUCTIONS FOR COMPLETING THIS FORM

- This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*
- State and County information must be the State and County where the document signed(s) personally appeared before the notary public for acknowledgment.
  - Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
  - The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
  - Print the name(s) of document sign(s) who personally appear at the time of notarization.
  - Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is/are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
  - The notary seal impression must be clear and photographically reproducible. Impressions must not cover text or lines. If seal impression smudges, re-seal if a sufficient area remains, otherwise complete a different acknowledgment form.
  - Signature of the notary public must match the signature on file with the office of the county clerk.
    - ◊ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
    - ◊ Indicate title or type of attached document, number of pages and date.
    - ◊ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
  - Securely attach this document to the original document with a staple.



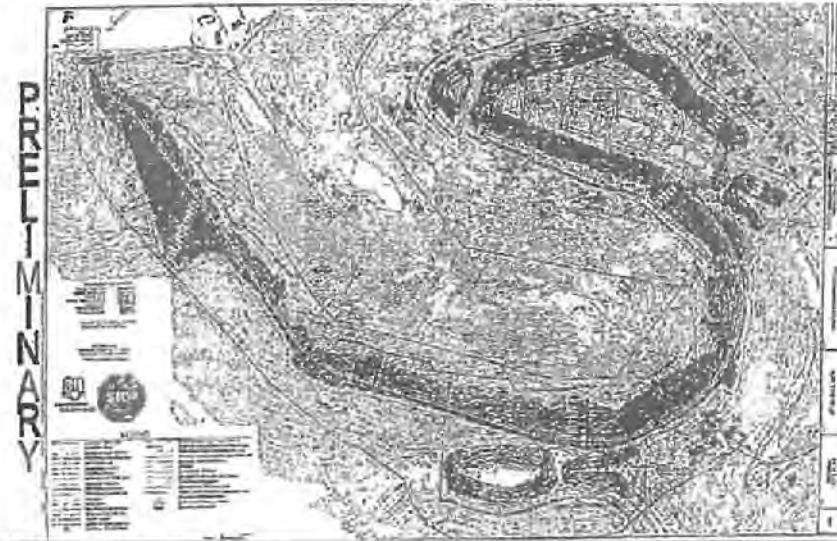
VOL 01596 PG 0380

VOE 0-0128 PD 0515

**Exhibit "A"**  
251557004

Attached hereto and made a part of that certain Agreement dated July 21, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Richard A. Nunley and Diana K. Nunley, husband and wife, of 261 Festival Drive, Oceanside, CA 92057 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel #31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Richard A. Nunley*  
Richard A. Nunley

*Diana K. Nunley*  
Diana K. Nunley

CNX Gas Company LLC  
*Timothy Sarmick*  
Timothy Sarmick, Assistant Vice President

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Patricia J. Mumaw and Richard L. Mumaw, both individually, and as wife and husband, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated May 31, 2017 which is of record in the Office of the County Clerk of Monongalia County in Book 1596, Page 256 as Instrument No. 694261.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 6<sup>th</sup> day of October, 2017.

Patricia J. Mumaw  
Patricia J. Mumaw

Richard L. Mumaw  
Richard L. Mumaw

STATE OF Ohio  
COUNTY OF Wayne

The foregoing instrument was acknowledged before me on the 6<sup>th</sup> day of October, 2017 by Patricia J. Mumaw and Richard L. Mumaw, both individually, and as wife and husband.  
In witness hereof, I hereunto set my hand and official seal.



BLAIR HARPER  
Notary Public, State of Ohio  
My Comm. Expires 04/06/2022  
Recorded in Ashland County

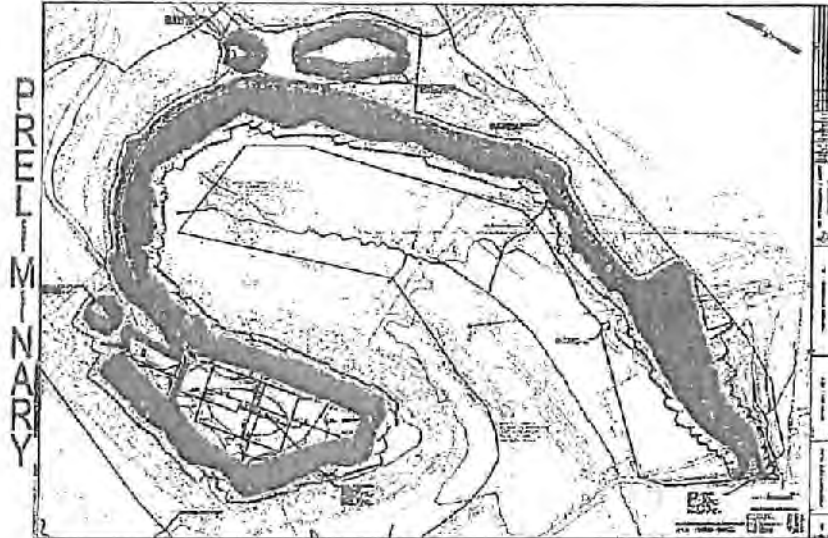
Blair Harper  
NOTARY PUBLIC  
My Commission expires: 4-6-22

Exhibit "A"

6835

Attached hereto and made a part of that certain Agreement dated May 31, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Patricia J. Mumaw and Richard L. Mumaw, of 3344 Northridge Drive, Wooster, OH 44691(Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel #31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

CNX Gas Company LLC

*Patricia J. Mumaw*  
Patricia J. Mumaw

*Timothy Surrick*  
Timothy Surrick, Assistant Vice President

*Richard L. Mumaw*  
Richard L. Mumaw

VOL: 00128 PG: 0507

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716608  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 507  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Donald E. Nunley, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated July 21, 2017 which is of record in the Office of the County Clerk of Monongalia County in Book 1596, Page 253 as Instrument No. 694260.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10<sup>th</sup> day of October, 2017.

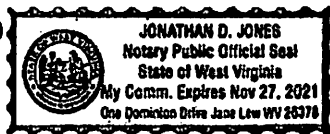
Donald E. Nunley  
Donald E. Nunley

STATE OF West Virginia  
COUNTY OF Monongalia

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of October, 2017 by Donald E. Nunley.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



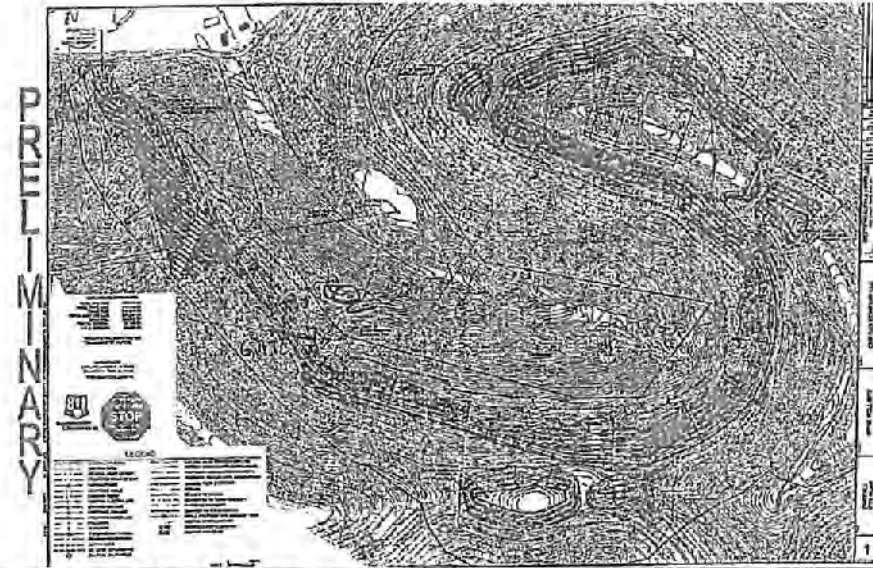
Jonathan D. Jones  
NOTARY PUBLIC  
My Commission expires: 11/27/2021

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"  
6834

Attached hereto and made a part of that certain Agreement dated July 21, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Donald E. Nunley, widower, of 36 Autumn Drive, Core, WV 26541 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel #31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Donald E. Nunley*  
Donald E. Nunley

CNX Gas Company LLC

*Kimberly Sumnick*  
Kimberly Sumnick, Assistant Vice President

VOL 00128 PG 0528

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716622  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 528  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Mary Stepelton, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated February 11, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1528, Page 439 as Instrument No. 598555.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10<sup>th</sup> day of October, 2017.

Mary K Stepelton  
Mary Stepelton

STATE OF FL  
COUNTY OF Broward

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of October, 2017 by Mary Stepelton.  
In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Rachel Higgins  
NOTARY PUBLIC  
My Commission expires: 10/24/17

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated February 11, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Mary Stepelton of 7739 Southhampton Terrace, Apt. G204, Tamarac, FL, 33321 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Mary Stepelton*  
 \_\_\_\_\_  
 Mary Stepelton

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0540

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716628  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 540  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Thomas McCauley, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 771 as Instrument No. 581239.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of Oct., 2017.

Thomas M<sup>c</sup>Cauley  
Thomas McCauley

STATE OF Ohio  
COUNTY OF Stark

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October, 2017 by Thomas McCauley.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Melissa A. Stefan  
NOTARY PUBLIC  
My Commission expires: Sept 29, 2019

Presented to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317



## Exhibit "A"

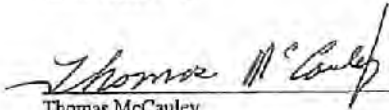
Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Thomas McCauley, of 220 Kennedy Street, Apt. 5, Louisville, OH 44641 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

  
Thomas McCauley

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

YR 00128 P60536

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Clerk  
Instrument 71660  
05/21/2017 @ 01:35:52 PM  
H192E11A6E21E  
Page 128 of Page 536  
Pages Recorded 2  
Recording Date 6

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Richard McCauley, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 774 as Instrument No. 581242.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 4 day of October, 2017.

Richard McCauley  
Richard McCauley

STATE OF Ohio  
COUNTY OF Stark

The foregoing instrument was acknowledged before me on the 4<sup>th</sup> day of Oct, 2017 by Richard McCauley.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



DARLA J WALTERS  
Notary Public State of Ohio  
My Comm Expires 11-18-2018

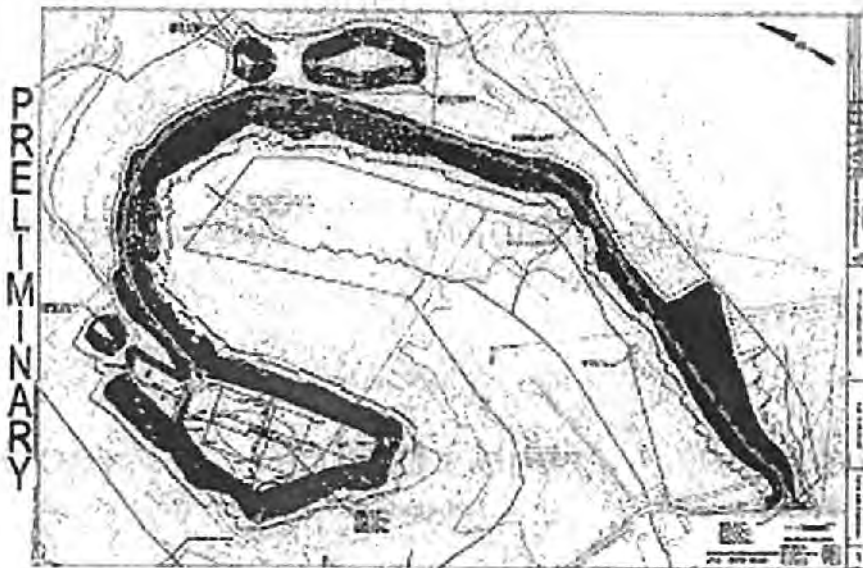
Darla J Walters  
NOTARY PUBLIC  
My Commission expires: \_\_\_\_\_

NVL 00128 PG0537

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Richard McCauley of 2589 Timothy Ave., Louisville, OH 44641 (Grantor).

Property being located in Bartlett District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Richard McCauley*  
Richard McCauley

Prepared by/Retiree to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

ME 00128 PG0495

CNN GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CAROLSBURG, PA 15317-4506

Monongalia County  
Case 1 Blaine, Clerk  
Instrument 711600  
03/21/2008 @ 01:16:01 PM  
NIRCOLLAHEUIS  
Book 128 of Page 476  
Pages Recorded 2  
Surrender Cost \$

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Well)

The undersigned, Judy Eckman, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1520, Page 228 as Instrument No. 252002.
3. The Surface Use Agreement granted CNN Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 12<sup>th</sup> day of October, 2017.

Judy Eckman  
Judy Eckman

STATE OF NORTH CAROLINA  
COUNTY OF NEW HANOVER

The foregoing instrument was acknowledged before me on the 12 day of OCTOBER, 2017 by Judy Eckman.

In witness hereof, I hereunto set my hand and official seal.



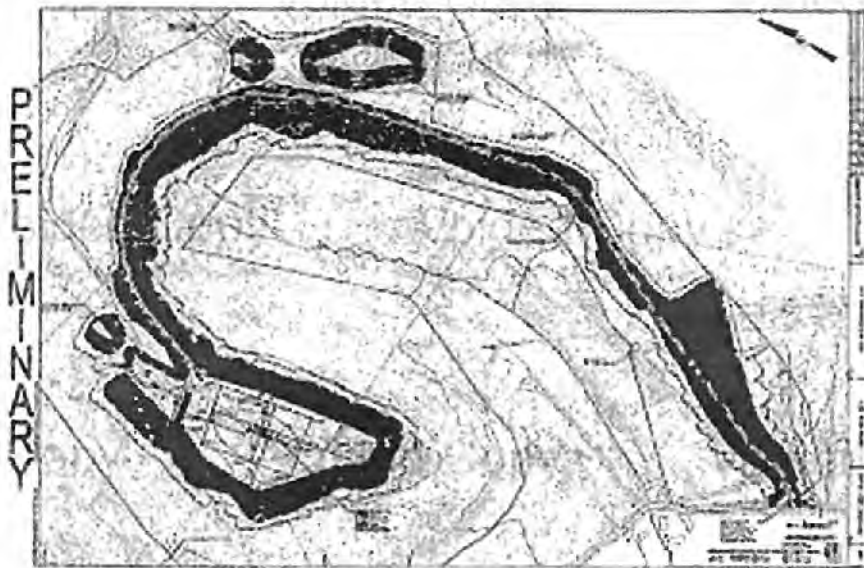
William Andrew Rhodes  
NOTARY PUBLIC  
My Commission expires 2/25/2021

WL00128 PG0696

Exhibit "A"

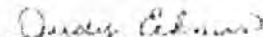
Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Judy Eckman of 1223 Berwyn Drive SW, Sherrodsville, OH 44675 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-3-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

  
Judy Eckman

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0497

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716605  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 497  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Clifford J. Wise, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated March 31, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1529, Page 672 as Instrument No. 600090.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 12<sup>th</sup> day of October, 2017.

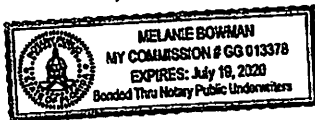
Clifford J. Wise  
Clifford J. Wise

STATE OF Florida  
COUNTY OF Stuwanee

The foregoing instrument was acknowledged before me on the 12<sup>th</sup> day of October, 2017 by Clifford J. Wise.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Melanie Bowman  
NOTARY PUBLIC  
My Commission expires: July 19, 2020

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated March 31<sup>st</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Clifford J. Wise of 2394 County Road 137, Obrien, Florida 32071 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Clifford J. Wise*  
 \_\_\_\_\_  
 Clifford J. Wise

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL:00128 PG0544

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L. Blaney, Clerk  
Instrument 716630  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 544  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Regina Wise Myers a/k/a Violet Regina Myers, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 757 as Instrument No. 581227.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

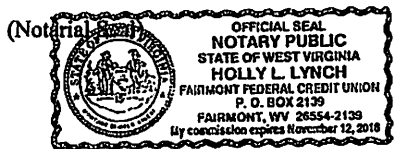
Executed this 5 day of Oct, 2017.

*Regina Wise Myers a/k/a Violet Regina Myers*  
Regina Wise Myers a/k/a Violet Regina Myers

STATE OF WV  
COUNTY OF Marion

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October 2017 by Regina Wise Myers a/k/a Violet Regina Myers.

In witness hereof, I hereunto set my hand and official seal.



*Holly L. Lynch*  
NOTARY PUBLIC  
My Commission expires: Nov 12, 2018

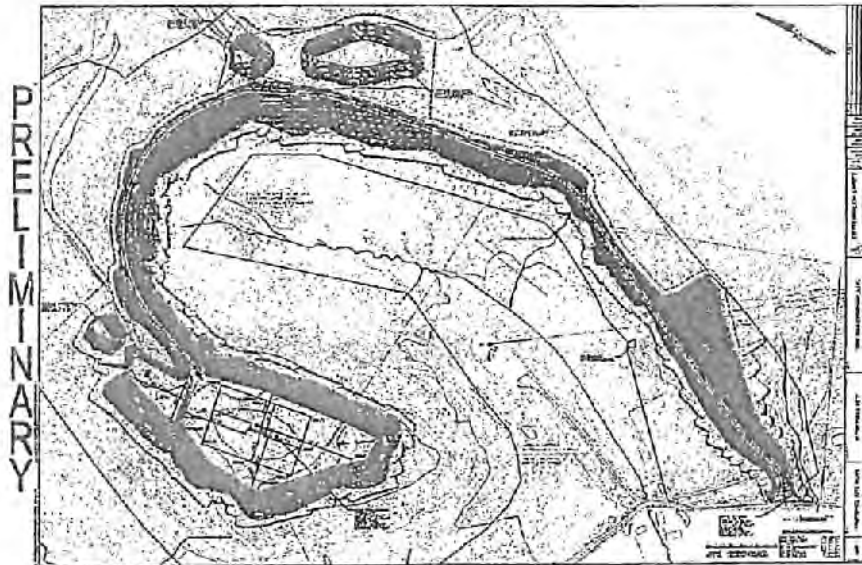
Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Regina Wise Myers a/k/a Violet Regina Myers of 22 Jason Way, Fairmont, WV 26554 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Regina Wise Myers a/k/a Violet Regina Myers*  
 Regina Wise Myers a/k/a Violet Regina Myers

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0505

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716607  
03/21/2018 @ 01:16:01 PM  
MISCELLANEOUS  
Book 128 @ Page 505  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Eleanor J. Wise, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "*Property*");
2. He/she previously executed a Surface Use Agreement dated December 3, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 691 as Instrument No. 573542.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 9<sup>th</sup> day of October, 2017.

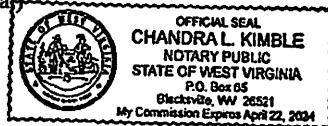
Eleanor J. Wise  
Eleanor J. Wise

STATE OF West Virginia  
COUNTY OF Monongalia

The foregoing instrument was acknowledged before me on the 9<sup>th</sup> day of October, 2017 by Eleanor J. Wise.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Chandra L. Kimble  
NOTARY PUBLIC  
My Commission expires: April 22, 2024

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

VOL 00128 PG 0506

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 3<sup>rd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Eleanor J. Wise, of 126 Fairview Avenue, Waynesburg, PA 15370 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Eleanor J. Wise*

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0499

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L. Rlanev, Clerk  
Instrument 716604  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 499  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Victor E. Wise, by his Agent, Vicki Webb, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 751 as Instrument No. 581223.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.
4. Vicki Webb has been authorized to act on behalf of Victor E. Wise pursuant to the Durable Power of Attorney executed by Victor E. Wise on January 11, 2015, and recorded in the Office of the Clerk of the County Commission of Monongalia County, West Virginia in Book 35, Page 216.

Executed this 16 day of October, 2017.

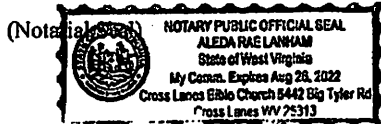
Vicki Webb POA

Victor E. Wise, by his Agent, Vicki Webb

STATE OF WEST VIRGINIA  
COUNTY OF KANAWHA

The foregoing instrument was acknowledged before me on the 16 day of OCTOBER, 2017 by Victor E. Wise, by his Agent, Vicki Webb.

In witness hereof, I hereunto set my hand and official seal.



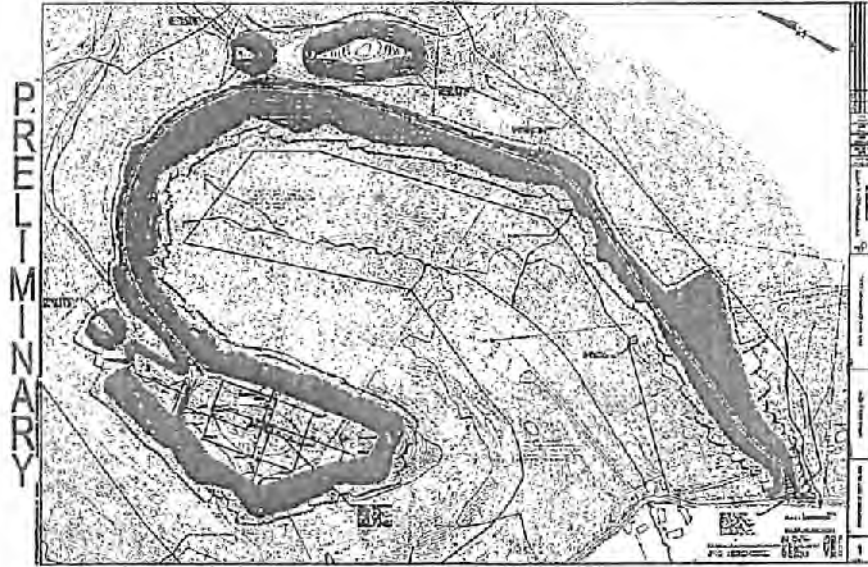
Aleda Rae Lanham  
NOTARY PUBLIC  
My Commission expires: Aug 28, 2022

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Victor E. Wise of 266 Pine Drive, Poca, WV 25159 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Victor E. Wise*

Victor E. Wise

VOL 00128 PG 0532

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County **09/28/2018**  
Carve L Blaney, Clerk  
Instrument 716624  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 532  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Fred C. Wise and Alice F. Wise, both individually and as husband and wife, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 736 as Instrument No. 581204.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5<sup>th</sup> day of October, 2017.

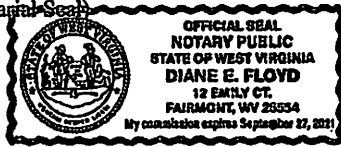
Fred C. Wise  
Fred C. Wise

Alice F. Wise  
Alice F. Wise

STATE OF WV  
COUNTY OF Marion

The foregoing instrument was acknowledged before me on the \_\_\_ day of \_\_\_\_\_, 2017 by Fred C. Wise and Alice F. Wise, both individually and as husband and wife. In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

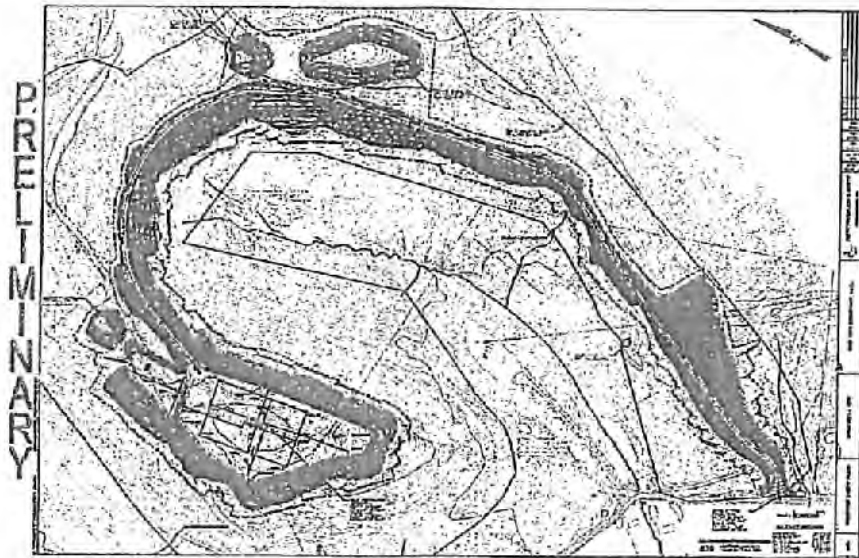


Diane E. Floyd  
NOTARY PUBLIC  
My Commission expires: September 27, 2021

**Exhibit "A"**

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Fred C. Wise and Alice F. Wise, both individually and as husband and wife, of #1 West Hills Drive, Fairmont, WV 26554 (Grantor).

Property being located in Buttelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0488

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716599  
05/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 488  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Walter C. Ord, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 760 as Instrument No. 581228.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

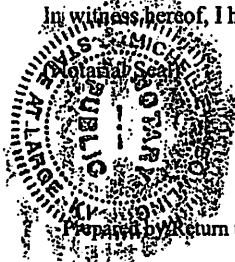
Executed this 5 day of October, 2017.

Walter C. Ord  
Walter C. Ord  
KYDL - 094-439-912

STATE OF Kentucky  
COUNTY OF Floyd

The foregoing instrument was acknowledged before me on the 5 day of Oct, 2017 by Walter C. Ord.

In witness hereof, I hereunto set my hand and official seal.



Michelle G. Gering  
NOTARY PUBLIC  
My Commission expires: 7/25/18



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and between Walter C. Ord, of 144 Middle Branch, McDowell, KY 41647 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Walter C. Ord*

Walter C. Ord

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0530

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716623  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 530  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Evalec A. Everly Shaheen, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "*Property*");
2. He/she previously executed a Surface Use Agreement dated January 13, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1526, Page 574 as Instrument No. 594793.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 05 day of October, 2017.

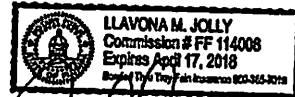
Evalec A. Everly Shaheen  
Evalec A. Everly Shaheen

STATE OF Florida  
COUNTY OF Orange

The foregoing instrument was acknowledged before me on the 5 day of October, 2017 by Evalec A. Everly Shaheen.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Lavona M. Jolly  
NOTARY PUBLIC  
My Commission expires: 4/17/2018

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

VBL00128 PG0531

## Exhibit "A"

Attached hereto and made a part of that certain Agreement dated January 13<sup>th</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Evalee A. Everly Shaheen of 1325 Citrus Gardens Dr., Apt. A, Orlando, FL 32807 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-3-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Evalee A. Everly Shaheen*  
Evalee A. Everly Shaheen

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

YD.00128 PG0493

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6534

Monongalia County  
Carole L. Pierce, Clerk  
Instrument 716406  
09/21/2018 @ 01:15:01 PM  
MISCELLANEOUS  
Book L28 & Page 475  
Fees Recorded ?  
Approximate Cost \$

11.0

**CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)**

The undersigned, Dexter Murle Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 739 as Instrument No. 581213.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4-4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10<sup>th</sup> day of October, 2017.

Dexter Murle Stewart  
Dexter Murle Stewart

STATE OF WV  
COUNTY OF MONONGALIA

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of October, 2017 by Dexter Murle Stewart.

In witness hereof, I hereunto set my hand and official seal.



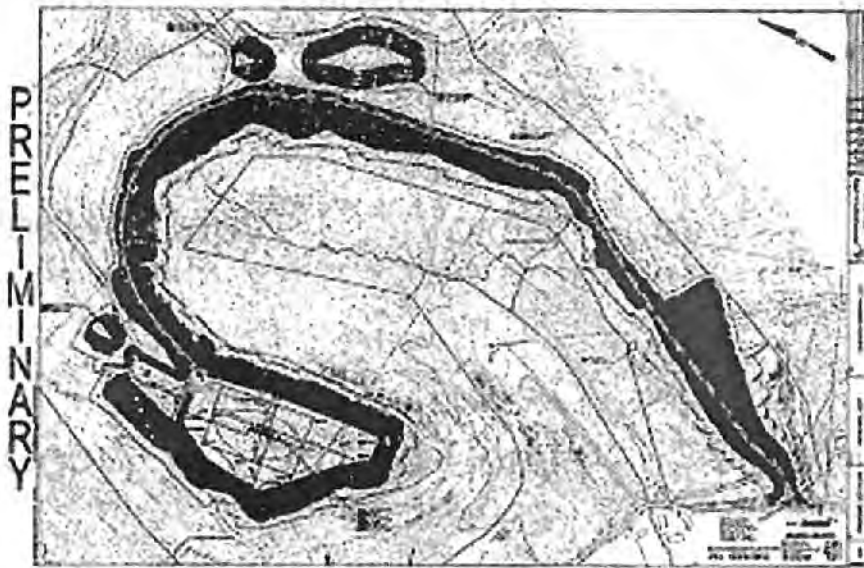
Carletta J. Edwards  
NOTARY PUBLIC  
My Commission expires 3/7/2021

VOL 00128 PG 0494

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Dexter Marle Stewart, of 1283 Crossroads Road, Fairview, WV 26570 (Grantor)

Property being located in Battle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-S-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress

Grantor Approved

*Dexter Marle Stewart*  
Dexter Marle Stewart

Prepared by Wetac to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

WL00128 PG0518

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONBURG, PA 15317-1536

Monongalia County  
Carve 1 Blank, Etra  
Instrument: 716617  
03/21/2018 @ 01:35:52 PM  
MISCELLANEOUS  
Incl: 179 @ Page 518  
Pages Recorded: 2  
Recording Cost: \$

**CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)**

1

The undersigned, Zelma Ruth Brummage, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31411-0008-0302-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 754 as Instrument No. 581225.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 6<sup>th</sup> day of October, 2017.

Zelma Ruth Brummage  
Zelma Ruth Brummage

STATE OF West Virginia  
COUNTY OF Mason

The foregoing instrument was acknowledged before me on the 6<sup>th</sup> day of October, 2017 by Zelma Ruth Brummage

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Zachary Evans  
NOTARY PUBLIC  
My Commission expires 1/12/2021

WL00128 PG0519

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Zelma Ruth Brummage of 3036 Main St., Farmington, WV 26571 (Grantor).

Property being located in Battle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Zelma Ruth Brummage*  
Zelma Ruth Brummage

Prepared by: Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0516

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716616  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 516  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, James Freeman Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1529, Page 248 as Instrument No. 599522.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 6<sup>th</sup> day of November, 2017.

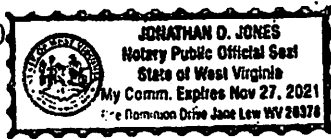
James Freeman Stewart  
James Freeman Stewart

STATE OF West Virginia  
COUNTY OF Mason

The foregoing instrument was acknowledged before me on the 6<sup>th</sup> day of November, 2017 by James Freeman Stewart.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



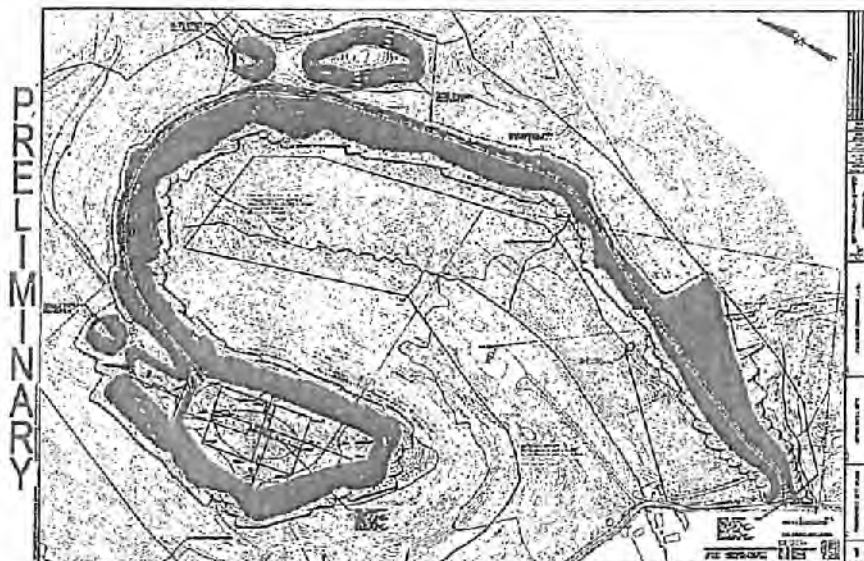
[Signature]  
NOTARY PUBLIC  
My Commission expires: 11/27/2021



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and James Freeman Stewart of 12104 Raritan Lane, Bowie, MD 20715, (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*James Freeman Stewart*  
 \_\_\_\_\_  
 James Freeman Stewart

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL00128 PG0501

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716605  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 501  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Justin P. Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 766 as Instrument No. 581236.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

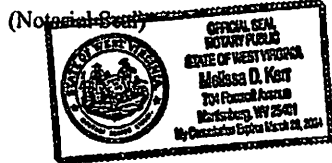
Executed this 19 day of October, 2017.

Justin P. Stewart

STATE OF WV  
COUNTY OF Battelle

The foregoing instrument was acknowledged before me on the 19<sup>th</sup> day of October, 2017 by Justin P. Stewart.

In witness hereof, I hereunto set my hand and official seal.



NOTARY PUBLIC

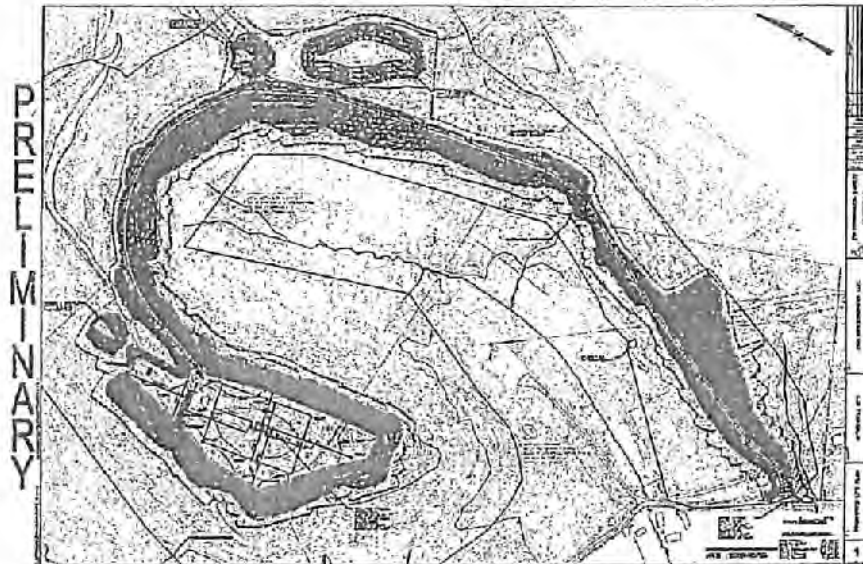
My Commission expires: 3/28/21

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Justin P. Stewart, a single man, having an address at 322 W. John Street, Martinsburg, WV, 25404 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*[Handwritten Signature]*  
 \_\_\_\_\_  
 Justin P. Stewart

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

TR 00126 PG 520

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR.  
CANONSBURG PA 15317-6500

Monongalia County  
Carve L Blaney, Clerk  
Instrument 71661B  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book L28 @ Page 520  
Page Recorded 2  
Recording Dist. 0

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Annette E. Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-1000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 748 as Instrument No. 581221.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(h)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

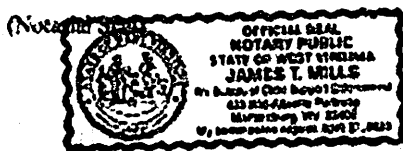
Executed this 5<sup>th</sup> day of October, 2017.

Annette Stewart  
Annette E. Stewart

STATE OF West Virginia  
COUNTY OF Berkley

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October, 2017 by Annette E. Stewart.

In witness hereof, I hereunto set my hand and official seal.



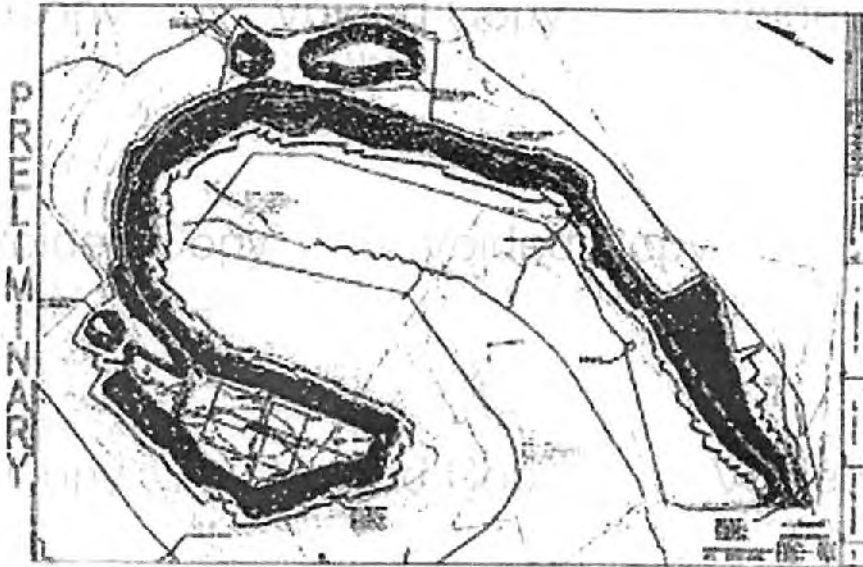
James T. Mills  
NOTARY PUBLIC  
My Commission expires 4/27/2020

WV 00128 PG0521

Exhibit "A"

Attached hereto and made a part of the certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Annette E. Stewart, of 41 Mimosa Dr., Martinsburg, WV 25404 (Grantor).

Property being located in Bartlett District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Annette E. Stewart*

Annette E. Stewart

VOL 00128 PG 0509

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Honorable County Clerk  
Carve L Blaney, Clerk  
Instrument 716609  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 509  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Debora Goff, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1530, Page 409 as Instrument No. 600874.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

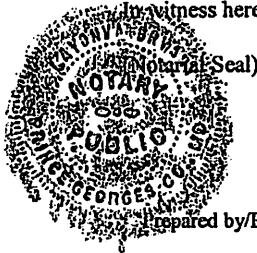
Executed this 11 day of October, 2017.

Debora Goff  
Debora Goff

STATE OF Maryland  
COUNTY OF Prince George's

The foregoing instrument was acknowledged before me on the 11 day of October, 2017 by Debora Goff.

In witness hereof, I hereunto set my hand and official seal.



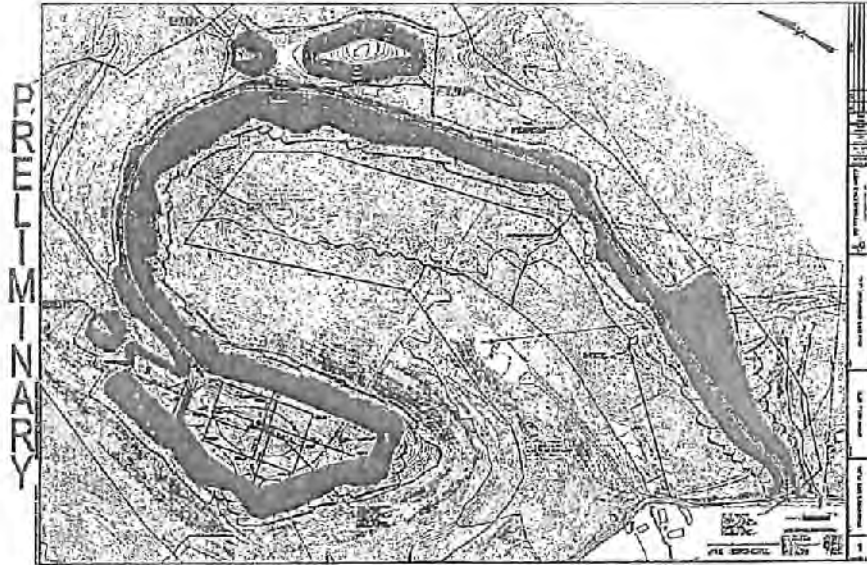
LATONYA BRYANT  
NOTARY PUBLIC  
PRINCE GEORGE'S COUNTY  
MARYLAND  
My Commission Expires 1-13-2020

Latonya Bryant  
NOTARY PUBLIC  
My Commission expires: 1-13-2020

Exhibit "A"

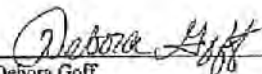
Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Debora Goff of 3004 Danville Road, Brandywine, MD 20613 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

  
 \_\_\_\_\_  
 Debora Goff

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

YR 00128 P0534

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR.  
CARONSBURG PA 15317-4534

Monongalia County  
Carrie L. Moore, Clerk  
Instrument 716625  
09/28/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 534  
Pages Recorded 2  
Recording Cost \$

**CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)**

The undersigned, Walter R. Currence, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated June 15, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1529, Page 217 as Instrument No. 599490.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of OCTOBER, 2017.

Walter R. Currence  
Walter R. Currence

STATE OF Maryland  
COUNTY OF St. Marys

The foregoing instrument was acknowledged before me on the 5 day of October, 2017 by Walter R. Currence.

In witness hereof, I hereunto set my hand and official seal.



Don M. Jones  
NOTARY PUBLIC  
My Commission expires 3/23/19.

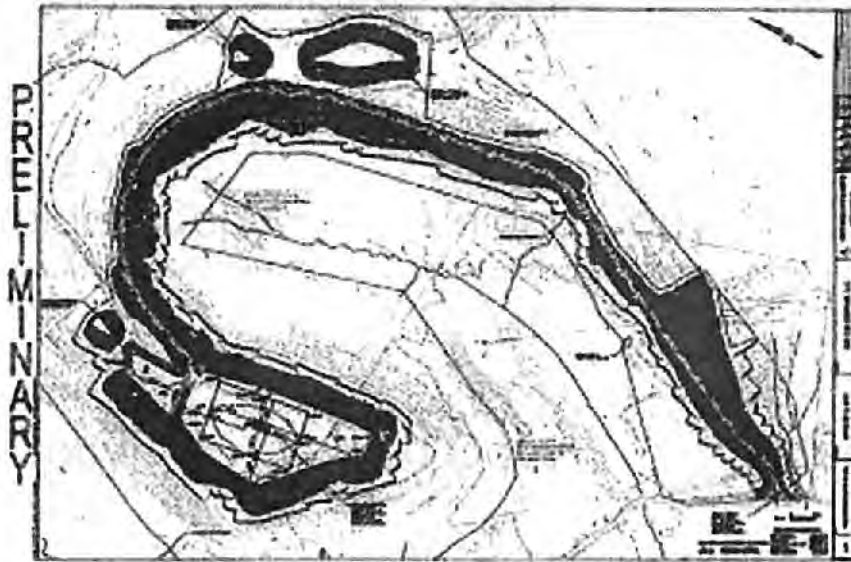


70.00126 PG0535

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated June 15<sup>th</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Walter R. Currence, of 16200 Bealle Hill Road, Waldorf, MD 20601 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 31-01-0008-0002-0000.



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Walter R. Currence*  
 \_\_\_\_\_  
 Walter R. Currence

CNX Gas Company LLC

*[Signature]*  
 \_\_\_\_\_

VOL 00128 PG 0524

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716620  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 524  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Maurcen S. Currence, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 742 as Instrument No. 581218.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 2<sup>nd</sup> day of November, 2017.

Maurcen S. Currence  
Maureen S. Currence

STATE OF North Carolina  
COUNTY OF Onslow

The foregoing instrument was acknowledged before me on the 2<sup>nd</sup> day of November, 2017 by Maureen S. Currence.

In witness hereof, I hereunto set my hand and official seal.



S. A. Owens  
NOTARY PUBLIC  
My Commission expires: May 19, 2018

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Maureen S. Currence of 203 Silver Maple Ct., Holly Ridge, NC 28445 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Maureen S. Currence  
 Maureen S. Currence

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0526

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716621  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 526  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Michelle L. Currence, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1530, Page 412 as Instrument No. 600876.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 18 day of October, 2017.

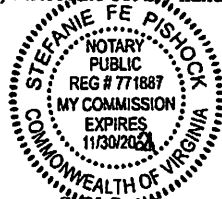
Michelle L. Currence  
Michelle L. Currence

STATE OF Virginia  
COUNTY OF Jefferson

The foregoing instrument was acknowledged before me on the 18 day of October, 2017 by Michelle L. Currence.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



Stephanie Pishock  
NOTARY PUBLIC  
My Commission expires: 11-30-2021

Exhibit "A"


Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Michelle L. Currence of 1 Carroll Drive, Stafford, VA 22554 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

  
 \_\_\_\_\_  
 Michelle L. Currence

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL: 00128 PG0538

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County 09/28/2018  
Carve L Blaney, Clerk  
Instrument 716627  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 538  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Robert Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 763 as Instrument No. 581232.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10 day of 0, 2017.

Robert Stewart  
Robert Stewart

STATE OF Pennsylvania  
COUNTY OF Greene

The foregoing instrument was acknowledged before me on the 5 day of October 2017 by Robert Stewart.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Heather L. Omdoff, Notary Public  
Waynesburg Boro, Greene County  
My Commission Expires April 9, 2019

Heather R Omdoff  
NOTARY PUBLIC  
My Commission expires: 4-9-19

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and between Robert Stewart, of Lot 1, Route 21.MHP, Carmichaels, PA 15320 (Grantor).

Property being located in Battle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Robert Stewart*  
 \_\_\_\_\_  
 Robert Stewart

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0511

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716610  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 511  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Phyllis J. Petrosky, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 694 as Instrument No. 573544.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this Oct day of 05, 2017.

Phyllis J. Petrosky  
Phyllis J. Petrosky

STATE OF PENNSYLVANIA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 5 day of October 2017 by Phyllis J. Petrosky.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Mary Ann Russell, Notary Public  
City of Monongahela, Washington County  
My Commission Expires Oct. 15, 2018

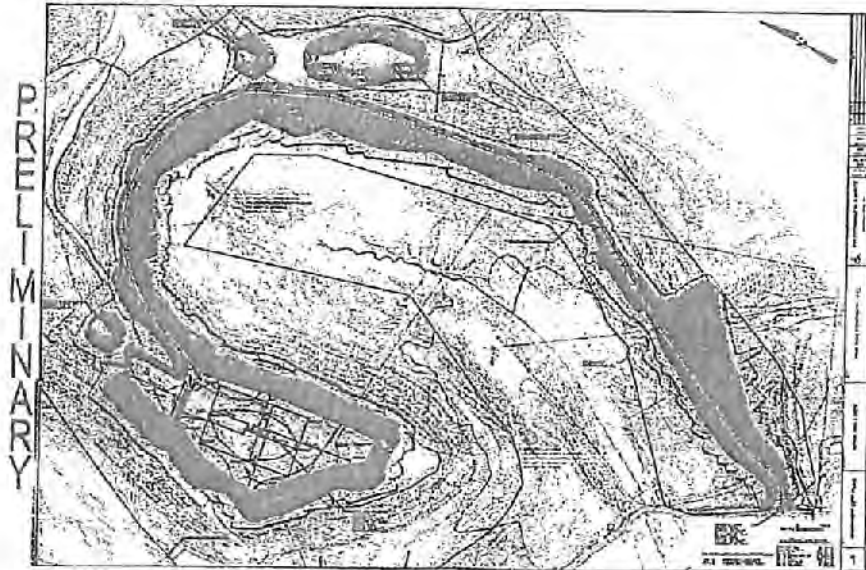
Mary Ann Russell  
NOTARY PUBLIC  
My Commission expires: 10-15-2018



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Phyllis J. Petrosky, a widowed woman, of 110 Chess St., Apt. 401, New Eagle, PA 15067 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate. actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Phyllis J. Petrosky*

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VOL 00128 PG 0503

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Garve L. Blaney, Clerk  
Instrument 716606  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 503  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Jesse D. Jones, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1543, Page 241 as Instrument No. 626184.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of October, 2017.

Jesse D. Jones  
Jesse D. Jones

STATE OF PA  
COUNTY OF Westmoreland

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October, 2017 by Jesse D. Jones.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

COMMONWEALTH OF PENNSYLVANIA  
 NOTARIAL SEAL  
 Daria Renk, Notary Public  
 Rostraver Twp., Westmoreland County  
 My Commission Expires March 18, 2020  
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Daria Renk  
NOTARY PUBLIC  
My Commission expires: 3-19-20

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

VOL 01543 PG 024 VOL 00128 PG 0504

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Jesse D. Jones, a married man, of 308 1/2 Crest Ave., Charleroi, PA 15022 (Grantor).

Property being located in Battelle District, Mounongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

A handwritten signature in black ink, appearing to read "Jesse D. Jones", written over a horizontal line.

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

VOL 00128 PG 0542

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L. Blaney, Clerk  
Instrument 716629  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 542  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Harold M. Jones, Jr., hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "*Property*");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 688 as Instrument No. 573538.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of October, 2017.

Harold M. Jones, Jr.  
Harold M. Jones, Jr.

STATE OF PA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 05<sup>th</sup> day of OCTOBER, 2017 by Harold M. Jones, Jr.

In witness hereof, I hereunto set my hand and official seal.

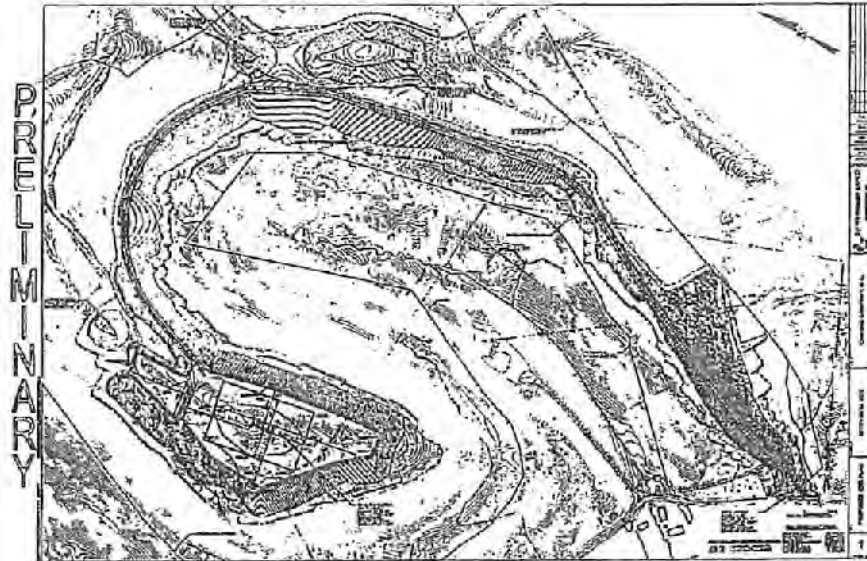
(Notarial Seal)  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Carol L. Regal, Notary Public  
City of Monongahela, Washington County  
My Commission Expires Feb. 9, 2019

Carol L. Regal  
NOTARY PUBLIC  
My Commission expires: FEB. 09, 2019

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Harold M. Jones, Jr., a single man, having an address at 317 Crest Ave., Charleroi, PA 15022 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Harold M. Jones, Jr.*

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

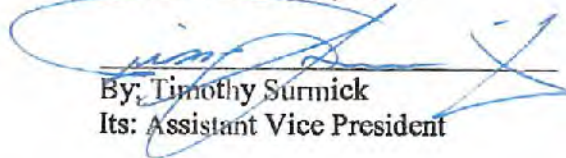
CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, CNX Gas Company LLC ("CNX"), hereby certifies that:

1. CNX is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "*Property*");
2. As such owner, CNX acknowledges the surface of the Property will be utilized for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 29<sup>th</sup> day of March, 2018.

CNX Gas Company LLC



By: Timothy Surmick  
Its: Assistant Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 29<sup>th</sup> day of March, 2018 by **Timothy Surmick**, who acknowledged himself to be the **Assistant Vice President** of **CNX Gas Company LLC**, a Virginia limited liability company, and that he as such, being authorized to do so, executed the foregoing instrument on behalf of **CNX Gas Company LLC**.

In witness hereof, I hereunto set my hand and official seal.  
(Notarial Seal)

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Casey Yantko, Notary Public  
Cecil Twp., Washington County  
My Commission Expires March 12 2019  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Casey Yantko  
NOTARY PUBLIC  
My commission expires 3-12-2019

10/01/2017 10:11:18

CASEY YANTU  
CNE L&O RESOURCES INC  
1000 CONSOL ENERGY DR  
CAROLSBURG PA 15317-9915

Marshall County  
Case L. Blanton, Clerk  
Instrument 200024  
10/23/2017 @ 01:16:01 PM  
RIGHT OF WAY  
Pages Recorded: 4  
Recording Cost: \$  
Transfer To: 6

1602-118

**SURFACE USE AGREEMENT**

803a

THIS AGREEMENT, made and entered into this 25<sup>th</sup> day of September 2017 by and between Jane Itron, a widow, of P.O. Box 681, Tellico Plains, TN 37385 hereinafter called the GRANTOR, whether one or more, and CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Caronsburg, PA 15317, its employees, affiliates, partners, joint venture partners, successors, assigns, contractors and representatives, herein collectively called OPERATOR.

WITNESSETH: That for and in consideration of the sum of One Dollar (\$1.00) and other valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged by the GRANTOR, the GRANTOR hereby grants and conveys unto OPERATOR the right to drill, construct, maintain, repair and operate gas wells; a right of way and easement to locate, construct, maintain, repair, remove, replace, change the size of, and operate gas and/or water pipeline(s) and/or associated lines with appurtenances thereunto, including gathering and transportation pipeline(s), with appurtenances thereunto, a right of way and easement to locate, construct, maintain, repair, remove, replace, change the size of, and operate a road way for the transportation of cars, trucks, equipment, materials, supplies, and other things deemed necessary or convenient by OPERATOR; over that certain property located in Rattelle District, Masonia County, West Virginia further described as Tax Parcel Identification No. 31-01-0000-0002-0000, containing 207.69 acres, more or less, and being the same property conveyed and described in Deed Book 1321, Page 337. The approximate locations of said well(s), pipeline(s), road(s) are shown on Exhibit A, attached hereto, which exhibit, as may be amended from time to time, incorporated herein and made part hereof by reference. In association with the rights herein granted, the GRANTOR further grants and conveys unto the OPERATOR all necessary rights of ingress and egress to and from above described property for the purposes set forth herein.

OPERATOR does hereby covenant and agree to indemnify and hold GRANTOR free and harmless against any and all loss, damage, claims, and suits, which GRANTOR may suffer arising out of the exercise by OPERATOR of the rights herein granted.

OPERATOR shall have the right to assign or convey any of the rights herein granted and this agreement shall extend to and be binding upon the heirs, executors, administrators, personal representatives, successors and assigns to the parties hereto. Upon such time as the OPERATOR no longer needs all of the rights herein granted, some of which may exceed the life of others, the OPERATOR shall release to the GRANTOR or his successor in title such rights.

NR01602 RD119

GRANTOR and OPERATOR agree Pursuant to W.Va. Code § 22C-9-7(b) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, an Easement and consent for the drilling and operation of a deep well, or wells, for the production of Hydrocarbons at the location(s) described on Exhibit A.

GRANTOR and OPERATOR agree that this exclusive Surface Use Agreement shall not enlarge or diminish OPERATOR's expressed and implied mineral and related rights.

The total consideration paid for this transaction is Seven Hundred Fifty Dollars (\$750.00).

IN WITNESS WHEREOF, GRANTOR and OPERATOR have caused their names to be hereunto placed and witness the following signature(s), as of the date first herein appearing:

GRANTOR:

*Jane Irons*  
Jane Irons

OPERATOR:

CNX Gas Company LLC

By *Trishay Smith*  
Trishay Smith  
Its Assistant Vice President

ACKNOWLEDGMENT

STATE of COMMONWEALTH OF Tennessee  
COUNTY OF MONROE

On this the 29<sup>th</sup> day of September, 2017, before me, the undersigned authority, personally appeared Jane Irons, a widow, who, being duly sworn according to law, deposes and says that he/she/they executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



*Ruby A. McLeMORE*  
Notary Public

My Commission expires: MY COMMISSION  
EXPIRES  
2-1-20

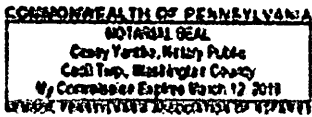


1501502 FEB 20

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF WASHINGTON

On this 10<sup>th</sup> day of October, 2017, before me, a notary public, personally appeared Timothy Surmick, who acknowledged himself to be the Assistant Vice President of CNX Gas Company LLC, a Virginia limited liability company, and that as such, being duly authorized to do so, executed the foregoing instrument for the purpose therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.  
(SEAL)



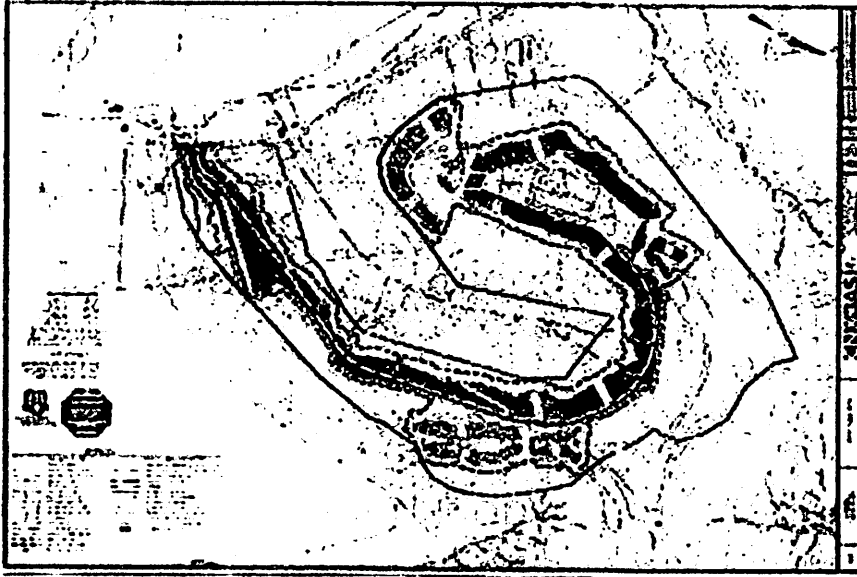
Casey Yantz  
Notary Public  
My Commission expires: 3-12-2019

WL01608 100121

Exhibit "A"  
8030

Attached hereto and made a part of that certain Agreement dated September 23, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Jane Erwin, a widow, of P.O. Box 681, Tellico Plains, TN 37385 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tract Map and Parcel #31-01-0005-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress

Grantor Approved

*Jane Erwin*  
Jane Erwin

CNX Gas Company LLC

*Timothy J. Smith*  
Timothy J. Smith, Assistant Vice President

W001502 1602122

CAROL MATHIE  
CIVIL LAND RESOURCES INC  
1001 BLAKE DRIVE JR  
CAMERONVILLE PA 15317 9815

Marshall County  
Carole L Blaney, Clerk  
Instrument 700225  
10/03/2017 @ 01:15:45 PM  
RIGHT OF WAY  
Pages Recorded 4  
Recording Cost \$ 31.00  
Transfer Tax \$ 4.40

1602-122

**SURFACE USE AGREEMENT**

8033

THIS AGREEMENT, made and entered into this 25<sup>th</sup> day of September 2017 by and between Melissa Packard, a married woman dealing in her sole property, of 311 West Walnut Street, Madisonville, TN 37354 hereinafter called the GRANTOR, whether one or more, and CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Camarburg, PA 15317, its employees, affiliates, partners, joint venture partners, successors, assigns, contractors and representatives, herein collectively called OPERATOR.

WITNESSETH: That for and in consideration of the sum of One Dollar (\$1.00) and other valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged by the GRANTOR, the GRANTOR hereby grants and conveys unto OPERATOR the right to drill, construct, maintain, repair and operate gas wells; a right of way and easement to locate, construct, maintain, repair, remove, replace, change the size of, and operate gas and/or water pipeline(s) and/or associated lines with appurtenances thereunto, including gathering and transportation pipeline(s), with appurtenances thereunto, a right of way and easement to locate, construct, maintain, repair, remove, replace, change the size of, and operate a road way for the transportation of cars, trucks, equipment, men, supplies, and other things deemed necessary or convenient by OPERATOR; over that certain property located in Battelle District, Monongalia County, West Virginia further described as Tax Parcel Identification No. 31-01-0008-0002-0000, containing 207.69 acres, more or less, and being the same property conveyed and described in Deed Book 1321, Page 337. The approximate locations of said wells(s), pipeline(s), road(s) are shown on Exhibit A, attached hereto, which exhibit, as may be amended from time to time, incorporated herein and made part hereof by reference. In association with the rights herein granted, the GRANTOR further grants and conveys unto the OPERATOR all necessary rights of ingress and egress to and from above described property for the purposes set forth herein.

OPERATOR does hereby covenant and agree to indemnify and hold GRANTOR free and harmless against any and all loss, damage, claims, and suits, which GRANTOR may suffer arising out of the exercise by OPERATOR of the rights herein granted.

OPERATOR shall have the right to assign or convey any of the rights herein granted and this agreement shall extend to and be binding upon the heirs, executors, administrators, personal representatives, successors and assigns to the parties hereto. Upon such time as the OPERATOR no longer needs all of the rights herein granted, some of which may exceed the life of others, the OPERATOR shall release to the GRANTOR or his successor in title such rights.

1601692 10123

GRANTOR and OPERATOR agree Pursuant to W.Va. Code § 22C-9-7(b) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, an Easement and consent for the drilling and operation of a deep well, or wells, for the production of Hydrocarbons at the location(s) described on Exhibit A.

GRANTOR and OPERATOR agree that this exclusive Surface Use Agreement shall not enlarge or diminish OPERATOR's expressed and implied mineral and related rights.

The total consideration paid for this transaction is Seven Hundred Fifty Dollars (\$750.00).

IN WITNESS WHEREOF, GRANTOR and OPERATOR have caused their names to be hereunto placed and witness the following signature(s), as of the date first herein appearing:

GRANTOR:

*Melissa A. Bookout*  
Melissa Bookout  
A.M.S.

OPERATOR:  
CNX Gas Company LLC

*Timothy S. Sander*  
Timothy Sander  
In: Assistant Vice President

ACKNOWLEDGMENT

STATE of COMMONWEALTH OF Tennessee  
COUNTY OF Monroe Co.

(On this the 28<sup>th</sup> day of September, 2017, before me, the undersigned authority, personally appeared Melissa Bookout a married woman dealing in her sole property, who, being duly sworn according to law, deposes and says that he/she/they executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.  
(SEAL)



*Ruby A. McEmore*  
Notary Public

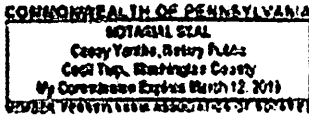
My Commission expires -- MY COMMISSION --  
EXPIRES  
2-1-20

YLD11003 09/28/18

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF WASHINGTON

On this 10<sup>th</sup> day of October, 2017, before me, a notary public, personally appeared Timothy Surrick, who acknowledged himself to be the Assistant Vice President of CNX Gas Company LLC, a Virginia limited liability company, and that as such, being duly authorized to do so, executed the foregoing instrument for the purpose therein contained.

IN WITNESS WHEREOF, I have set my hand and official seal.  
(SEAL)



Casey Yantz  
Notary Public  
My Commission expires 3-12-2019

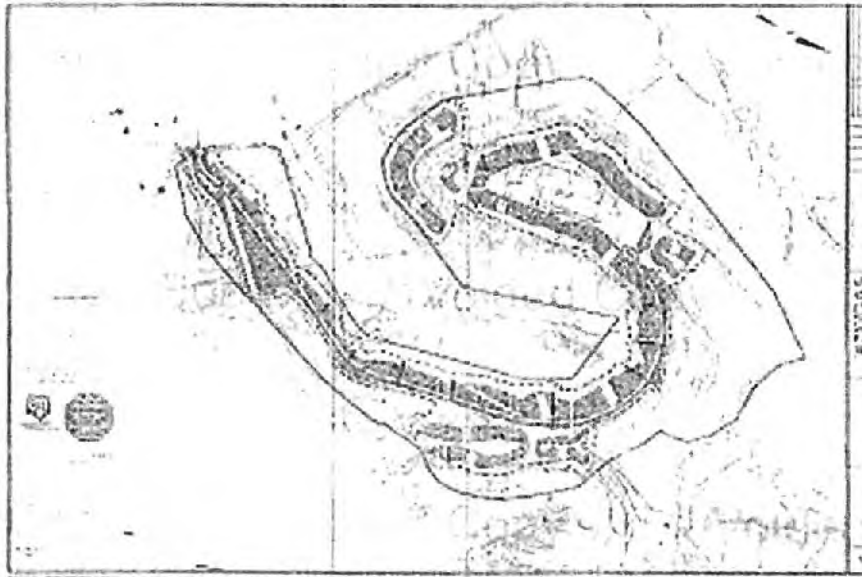
PL01602 00125

Exhibit "A"

PO 33

Attached hereto and made a part of that certain Agreement dated September 25, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Melissa Beckout, a married woman dealing in her sole property, of 311 West Walnut Street, Madisonville, TN 37354 (Grantor).

Property being located in **Battelle District, Monongalia County, WV** and referred to as **Tie Map and Parcel #31-01-0088-0002-0000**



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Melissa Beckout*  
 Melissa Beckout  
 M. B.

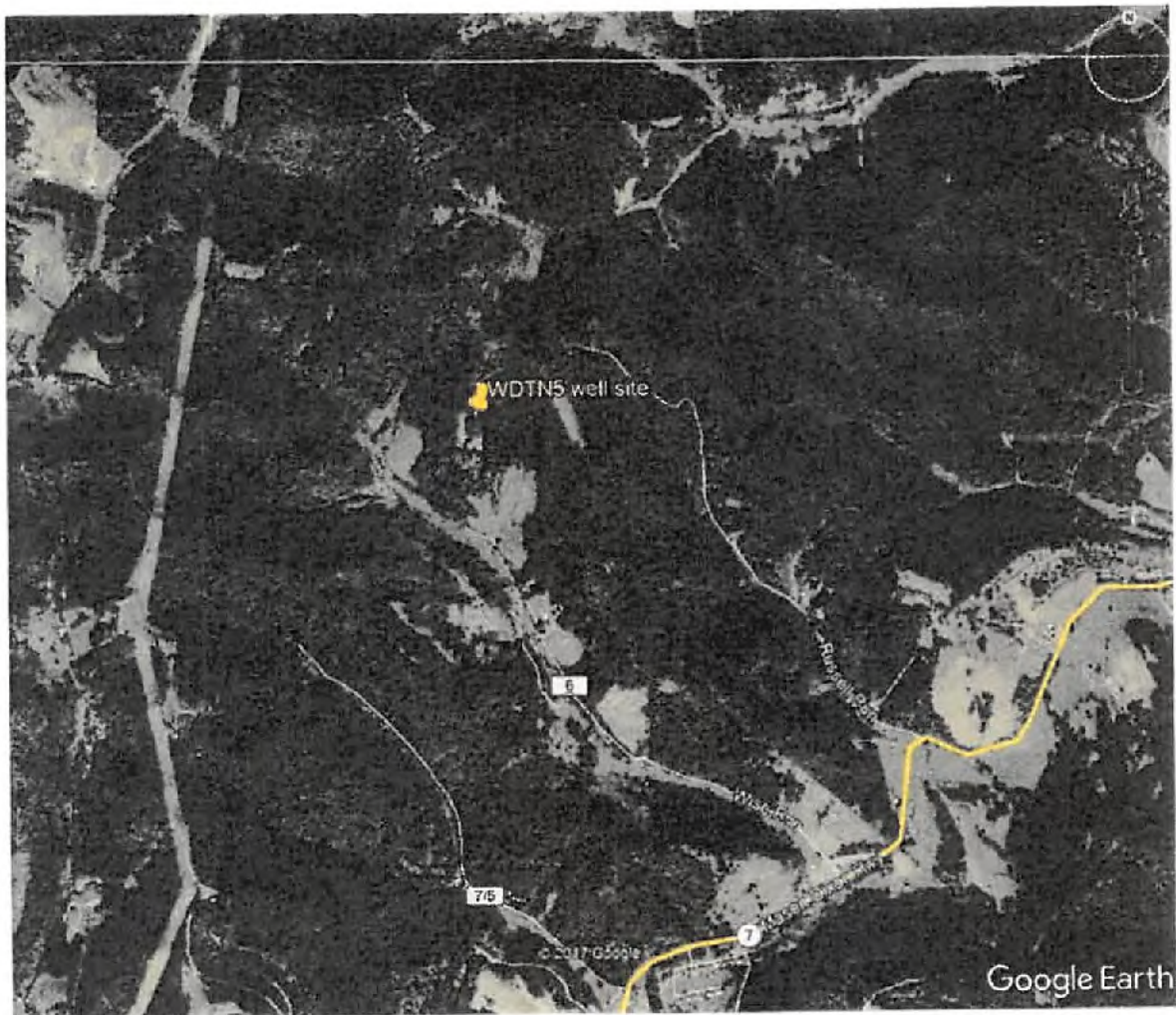
CNX Gas Company LLC

*Timothy Karolick*  
 Timothy Karolick, Assistant Vice President

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317



# Site Safety Plan for Well Site: WDTN5CHSU CNX Gas Company, LLC.



*MSR 4/4/2018*

# 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 4 of month April, 2018 by



Date: 4/2/2018

\_\_\_\_\_

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





# Safety Plan for Well Site: WDTN5CHSU CNX Gas Company, LLC.

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## 1.0 Contacts, Scheduling, and Meetings

### 1.1 Emergency points of contact for CNX Gas Company, LLC covering all phases of activity (24hr Contact Info)

<b>STEP 2. NOTIFY: PRIORITIZED BUSINESS UNIT MANAGEMENT – Immediate Notification</b>					
NOTIFICATION	Title	Contact	Office	Cell	Home
Priority 1	Director Production Operations	Matt Imrich	724-485-3403	724-809-0024	N/A
Priority 2	District Operations Manager	Pete Nickel	(724) 627-1210	(724) 599-9465	N/A
Priority 3	Drilling Superintendent	John Hardcastle	724-627-1340	724-579-6583	N/A
Priority 3	Completions Superintendent	Sam McLaughlin	724-627-1236	724-833-1571	N/A
Priority 4	Sr. Production Foreman	Scott Walker	724-464-2915	724-549-8963	N/A
Priority 5	Safety Specialist	Kyle Borden	(570) 244-8055	(570) 244-8055	N/A

### 1.2 List of contact information for Material Suppliers and Contractors

<b>Contract Services - Notification as Required</b>				
<i>SERVICES</i>	<i>COMPANY</i>	<i>OFFICE</i>	<i>CELL/HOME</i>	<i>Contact</i>
Well Control	Wild Well Control	(281) 784-4700	(432) 550-6202	
Well Control	Boots Coots	1-800-BLOWOUT	(281) 931-8884	
Well Control	APS 24 Hr Marcellus	724-354-2607	724-422-8966	Will Warfel
			724-388-3286	Mark Backus
Well Control	Cudd Pressure Control	1-832-295-5555	918-344-6993	Clinton Swango
Environmental	Weavertown	(800) 746-4850	412-779-4097	Daryl Heiser
Environmental	McCutcheon Enterprises	724-568-3623	(304) 415-8062	(800) 925-8192
Labor/Equipment	Penn Mechanical	724-397-9066	724-840-4927	Chad Getty
Labor/Equipment	West Penn Energy Services	724-354-4118	412-559-1081	Andy Iezzi
Labor/Equipment	PA Production	724-463-0729	724-840-6113	Khris Nichol
Labor/Equipment	G&R Gas Service	724-549-6246		Todd Peric
Labor/Equipment	Force Inc.	724-465-9399	412-289-0069	Brian Force
Labor/Equipment	APS 24 Hr Marcellus	724-354-2607	724-422-8966	Will Warfel
			724-388-3286	Mark Backus
Water Hauling	Nuverra Environmental	814-445-3067	814-599-2107	Ben Green
Water Hauling	Force Inc.	724-465-9399	(412) 289-1888	Andy Gallo
Water Hauling	Stutzman Vacuum Service Inc.	814-445-8440	814-483-6487	Amos Shaffer
Water Hauling	West Penn	724-354-4118	412-559-1081	Andy Iezzi

Water Hauling	WTC Gas Field Services	724-349-4045	724-422-4262- Mobile	Neal Watkins (Slick)
			724-840-8766	Rusty Davis
Traffic Control	Penn Mechanical	724-840-4927	724-840-4927	Chad Getty
Traffic Control	Force Inc.	724-465-9399	412-289-0069	Brian Force
Traffic Control	West Penn	724-354-4118	412-559-1081/ 724-816-0585	Andy Iezzi/Dave Champion
Security	G4S	412-269-0750	724-422-4241	Chris Gongloff
One Call	One Call Center	West Virginia	800-245-4848 or 811	

### 1.3 WV DEP Office of Oil and Gas Inspector

#### WV DEP Office of Oil and Gas Inspector

Gayne J Knitowski  
P.O. Box 108  
Gormanian WV 26720  
[Gayne.J.Knitowski@wv.gov](mailto:Gayne.J.Knitowski@wv.gov)  
304-546-8171

#### Monongalia Co. Homeland Security Emergency Management Agency / MECCA 911

Jim Smith, Director  
Phone: (304) 599-6332  
[jsmith@mecca911.org](mailto:jsmith@mecca911.org)

### 1.4 Local Emergency Response Units and ER Personnel

Local first responders will be familiarized with the potential incidents that are related to the oil and gas development so that those agencies have the capability to provide the support necessary for the implementation of this SSP. This may include (within 7 days from land disturbance or well work activities): providing first responder agencies with a copy of this SSP and arranging tours of sites in the area.

Requesting public emergency response assistance for this location would be accomplished via telephone to Marshall County Dispatch which can be reached by dialing 911. From there, they will dispatch the appropriate and available emergency response agencies depending on the nature and extent of the emergency. This location is within the Dallas Volunteer Fire Department's Area.

Monongalia County Dispatch	911 emergency
West Virginia State Police	304-843-4100
Monongalia County Sheriff	304-291-7291
Wadestown Volunteer Fire Dept.	911 / 304-662-6331
Ruby Memorial Hospital	304-598-4000

**1.5 Schools and Public Facilities**

Mount Tabor Church & Cemetery

phone unknown

Thomas Cemetery

phone unknown

CNX utilized the white pages, Persopo, and BeenVerified in attempt to locate these facility's contacts.

**1.6 Pre-spud Safety Meeting**

A Pre-spud Safety meeting will be held prior to beginning drilling operations and include personnel to be employed and involved in the drilling operations. The pre-spud safety meeting should also include the district oil and gas inspector or other designated Office of Oil and Gas representatives. All personnel in attendance at the pre-spud meeting will be listed in the form below.

Name	Organization	Job Title
1. _____		
2. _____		
3. _____		
4. _____		
5. _____		
6. _____		
7. _____		
8. _____		
9. _____		
10. _____		
11. _____		
12. _____		
13. _____		
14. _____		

**1.7 Safety Meetings**

Safety meetings will be conducted during drilling, completion, and workover phases as follows:

- Pre-Spud,
- Pre-Tour,
- Post-Accident/Near Miss, and
- As Needed.

A record of each meeting will be made and maintained on site for the duration of the drilling period. Typically, the drilling company will conduct these safety meetings with CNX personnel participating as needed. These records may be maintained separate from this plan. Log attendance at all meetings and also initiate check in check out during drilling, completion, and workover phases.

## 2.0 Maps and Diagrams

### 2.1 Site Design (Found in Appendix)

### 2.2 Topographic Map of well location (Found in Appendix)

### 2.3 Evacuation Plan

The Drilling Supervisor will establish one muster point at which all persons on site will assemble for personnel safety and verification of headcount.

In the event of an emergency, the HSE Department will notify any local residents in the surrounding area who have the potential to be affected. Residents will be notified by phone, or if they're not reachable by phone, they will be notified in person at their place of residence.

Included in the Appendix are site specific maps and drawings that may assist in the emergency response and evacuation process.

The Drilling Supervisor and/or the Toolpusher, when practicable, will secure the Personnel and Visitor log before evacuating the site in order to perform a headcount at the muster point.

## 3.0 Well Work

CNX Gas Company, LLC strives to meet all regulatory requirements and follow industry best practices in all of its operations. This Site safety Plan (SSP) has been developed to meet the requirements set forth by the WV Department of Environmental Protection, Office of Oil and Gas Well Site Safety Plan Standards for sites with three (3) acres or more of surface disturbance involved in drilling and production of oil and gas in the State of West Virginia.

In the case of a horizontal well, the SSP will be submitted with each well application. The approved SSP will be maintained and available on location at all times. The SSP will also be provided to the local emergency planning committee (LEPC) for emergency planning district in which the well work will occur or the county office of emergency services at least seven (7) days prior to commencement of well work or site preparation work that involves any disturbance of land. In all cases, the SSP once approved, may only be modified upon the approval of the Office of Oil and Gas.

### 3.1 Drilling, Completion, and Production Activities

#### Drilling

A pre-spud notification of at least 24 hours will be given to the local area DEP inspector. A Pre-spud safety meeting will be conducted with all company and contract personnel prior to "rig up" or any associated activity. Once "rig up" operations have commenced, there will be drilling representatives on site for 24 hour operations. They will also be monitoring and recording daily drilling activities to ensure all parameters remain in compliance. A detailed drilling description that covers well work and procedure to be used during the drilling, will be available on site when drilling commences.

## Completion

Once drilling operations are complete, a pre-completions safety meeting will be conducted with all company and contract personnel prior to beginning activities. Red zones (protection zones) will be placed and monitored around all moving equipment. Once completions activities has commenced, there will be completions representatives on site for 24 hour operations. Their primary job responsibilities are hazard and risk analysis, as well as maintaining a safe and environmentally compliant site. They will also be monitoring and recording daily completions activities to ensure all parameters remain in compliance.

## Production

Once the wells have been turned in line, there will be well operators on site for 24 hours, 7 days a week. Their primary job responsibilities are hazard and risk analysis, as well as maintaining a safe and environmentally compliant site. Red zones (protection zones) will be placed and monitored around all moving equipment. They also will be monitoring casing and tubing pressures, gas volumes, and water production. It will also be vital that the production tanks and pits be monitored as well to remain in compliance. Once 24 hour monitoring is no longer needed, there will be a well operator on site for 12 hours a day, 7 days a week. Their duties will include hazard and risk analysis of any work being done, maintaining a safe and environmentally compliant site, and general housekeeping duties to ensure a clean and efficient work space. The casing and tubing pressure, gas volumes, as well as water production for each well will be monitored on a daily basis. Operators will also monitor the pits and water tanks on location to make sure that they are in compliance.

### **3.2 Casing and Cementing Program (Found in Appendix)**

### **3.3 General Schematics for Drilling, Completions, and Production (Found in Appendix)**

## **4.0 Chemical Inventory and MSDS**

### **4.1 MSDS**

Material Safety Data Sheets (MSDS) for all materials and chemicals will be readily available and maintained in the operations trailer on the well site. It is the responsibility of onsite personnel to ensure that the MSDS for each material that is delivered to site is on file at the location. Should a material for which there is not an MSDS on file be brought onto the site a copy of the MSDS that accompanies the shipment will be filed with the rest of the sites MSDS. A copy of these MSDS will be provided to the WV DEP Office of Oil and Gas.

Site Personnel Responsible for maintaining MSDS:

Construction – Michael Vitello – (740) 632-2483

Drilling – Ryan Coffman – (724) 984-2193

Completions – Sam McLaughlin – (724) 833-1571

Production – Chris Turner – (304) 641-3647

MSDS may also be sourced through the 3E Company at 1 (800) 360-3220

### **4.2 Mud Inventory and Mixing Units**

A contracted drilling mud service will maintain all required components for the mixing of mud for well kill operations in compliance with API RP 53. Materials on site for mixing mud will include, but not be

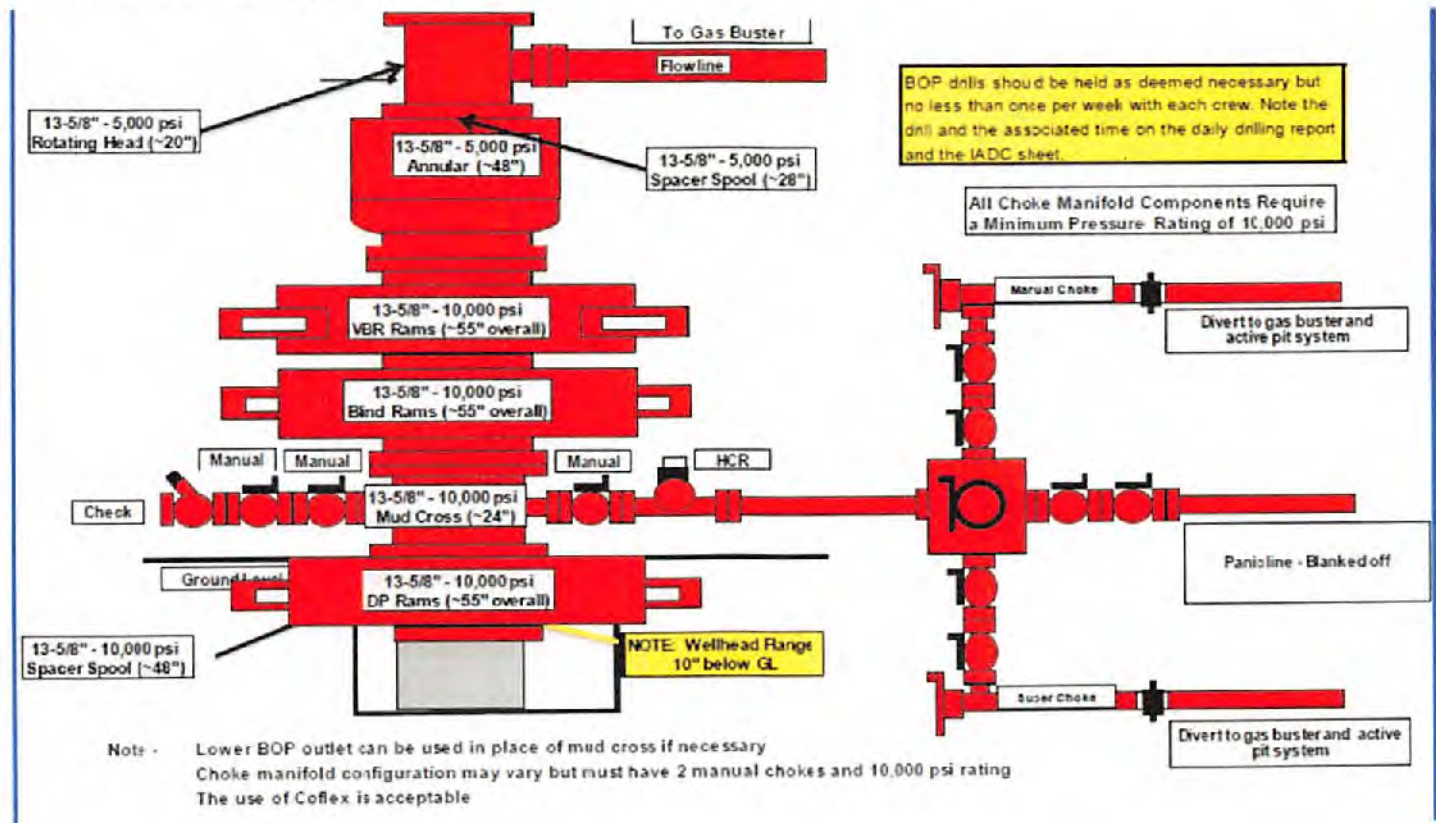


limited to, 200bbl Base Oil, 60tons of Barite, and 250bbls Fresh Water. The contractor will keep the appropriate inventory of those components, and a copy of the inventory will be kept in an onsite office. Mixed Mud amount will be approximately 1200bbl mixed at +/-12.0ppg. This contractor will also maintain the appropriate number and type of mixing units for the mixing of drilling mud in sufficient quantities for well kill operations as the site. Mixing units will be 2 mud tanks with jet mixing lines.

## 5.0 BOP and Well Control

### 5.1 BOP Equipment

The following is a list of all BOP equipment with types, sizes and ratings to be utilized and available during the drilling of the deep well.



### Remote Controls

Remote controls shall be readily accessible to the driller. Remote controls for all systems shall be capable of closing the preventer. Remote controls systems shall be capable of both opening and closing the preventer.

### 5.2 Procedure and Schedule for Testing BOP Equipment

Well Control Equipment Testing will be conducted in accordance with the American Petroleum Institute's (API) Recommended Practice 53 (RP 53), Recommended Practice for Blowout Prevention Equipment Systems for Drilling Wells. This is the industry standard for the installation and testing for BOP systems on land and marine drilling rigs.

All testing described below will be performed using clear water or an appropriate clear liquid for subfreezing temperatures with a viscosity similar to water.

The BOP equipment will be function tested upon initial installation, weekly, and after each bit trip. It will be pressure tested upon initial installation and every twenty-one (21) days thereafter. All pressure tests will be performed to API standards. Annular preventers will be tested to seventy percent (70%) of the rated capacity and ram preventers will be tested to eighty percent (80%) of the rated capacity. Valves shall be tested from working pressure side during BOPE tests with all downstream valves open. All of the above described tests and/or drills shall be recorded in the drilling log.

The BOP will be installed after running casing meant to control shallow gas shows.

The following personnel will have approved well control training and current certification recognized by the International Association of Drilling Contractors (IADC):

Drilling Site Supervisors (Operator)

Drilling Superintendents (Operator)

Drilling Manager (operator)

Drilling Engineers (Operator)

Tool Pusher (Contractor)

Driller (Contractor)

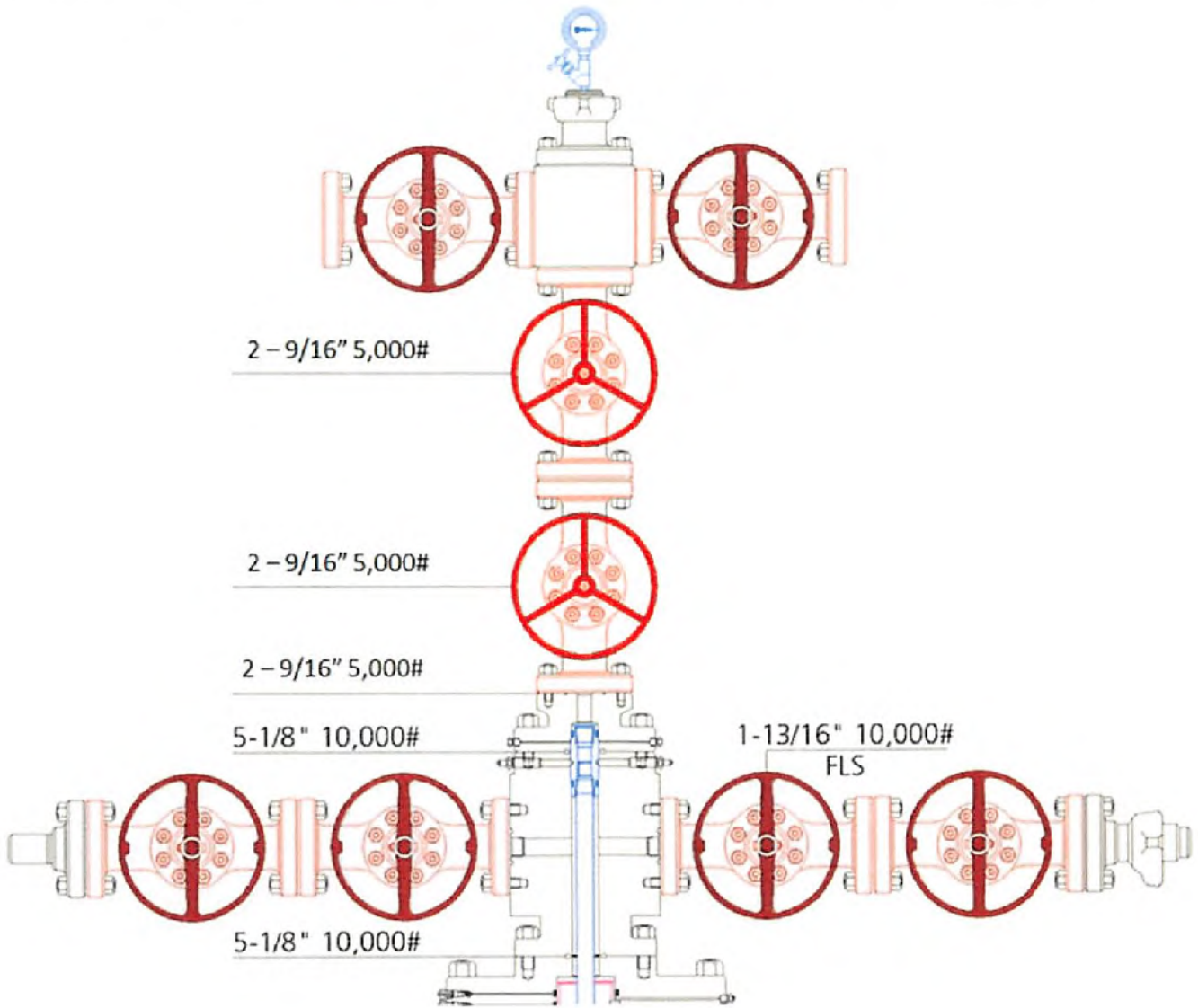
### **5.3 Drilling Records/Significant Events and Notification**

Detailed records of significant drilling events such as lost circulation, fluid entry, kicks, abnormal pressures, etc. are maintained through a daily log in the onsite office. The daily log allows the drilling site supervisor to enter daily reports containing the specified information. The records are then retained electronically in CNX's office in Canonsburg, PA.

The Emergency Response Plan for this operating area requires the district oil and gas inspector or the designated Office of Oil and Gas representative be notified as soon as possible of any unusual drilling events such as large kicks that occur during drilling operations. Any encounter of hydrogen sulfide gas requires immediate notification of the DEP Office of Oil and Gas.

### 5.4 Wellhead Assembly

Below is a diagram of the wellhead to be installed upon completion of stimulation operations.



## 5.5 Well Kill

### Mud Inventory

A contracted drilling mud service will maintain all required components for the mixing of mud for well kill operations in compliance with API RP 53. Materials on site for mixing mud will include, but not be limited to, 200bbl Base Oil, 60tons of Barite, and 250bbls Fresh Water. The contractor will keep the appropriate inventory of those components, and a copy of the inventory will be kept in an onsite office. Mixed Mud amount will be approximately 1200bbl mixed at +/-12.0ppg.

### Mixing Units

The contracted drilling mud service that maintains the components names in section 6.1, Mud Inventory, will maintain the appropriate number and type of mixing units for the mixing of drilling mud in sufficient quantities for well kill operations at the site. Mixing units will be 2 fluid tanks with jet mixing lines.

### Kill Procedures

In the event that the BOP must be activated, a hard shut-in method will be utilized. Should this not be sufficient, an IADC preferred method will be utilized. These include the following:

Wait and Weight Method

Driller's Method

Volumetric Control Method

Lubricate and Bleed Method

### KILL SHEET

DAILY RECORDED OPERATIONAL FIELD DATA									
Location:		Rig #:		Completed By:			Surface pg 1 of 5		
<b>CASING</b>		<b>Casing</b>		<b>BOP</b>		<b>Wellbore</b>			
OD	(in)								
ID	(in)			Test Rating	(psi)				
Internal Yield @ 100%	(psi)			<div style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>Draw/Redraw Graphic</b> </div>					
Safety Factor	(%)								
Internal yield	(psi)								
Cap shoe MD	(ft)								
<b>LINEYS</b>		<b>Line1</b>		<b>Line2</b>		<b>Line3</b>			
OD	(in)								
ID	(in)								
Internal Yield @ 100%	(psi)								
Safety Factor	(%)								
Internal yield	(psi)								
ICL MD	(ft)								
Liner shoe MD	(ft)								
<b>Drill String Length and Hole Size</b>		Hole TMD		Bx					
Drill String MD		(ft)		Size		(in)			
<b>Note - Build Component String Below-Up</b>									
<b>Drill String Component</b>		1		2		3		4	
OD	(in)								
ID	(in)								
Cap. (bbl/ft)									
Length MD	(ft)								
<b>Drill String Component</b>		5		6		7		8	
OD	(in)								
ID	(in)								
Cap. (bbl/ft)									
Length MD	(ft)								
<b>Drill String Component</b>		9		10		11		12	
OD	(in)								
ID	(in)								
Cap. (bbl/ft)									
Length MD	(ft)								
<b>SURFACE VOLUMES</b>		Surface Line Volume		Active Pk Volume					
		(bbls)		(bbls)					
<b>FORMATION TESTS</b>		Leak-Off Test Pressure w/ Test Mud Wt. (MAASP)		Leak-Off Test Mud Wt.		Test Depth Capor		Liner shoe TVD	
		(psi)		(ppg)		(ft)		(ft)	
		Maximum		Maximum		Maximum		Maximum	
		(psi)		(ppg)		(ft)		(ft)	
<b>PUMPS</b>		Pump #1		Pump #2 or Auxiliary					
Pump Output (bbls/hr)				Pump Output (bbls/hr)					
Maximum Pump Pressure (psi)				Maximum Pump Pressure (psi)					
<b>KILL RATE SPEED (Slow Pump Rate)</b>		Kill Rate Speed (spm/min)		Pump Pressure (psi)		Circulating Rate (bbls/min)			
Pump #1									
Pump #2 or Auxiliary									
<b>ANNULAR CAPACITY BETWEEN</b>		Mud		Weights		Leak Off Pressure		Leak Off Pressure	
		(ppg)		(ppg)		(psi)		(psi)	
						Test Pressure v		Present Mud Wt (MAASP)	
						(psi)		(ppg)	
<b>WELL CONTROL OPERATIONS</b>									
<b>Determining Stable Shut In Drill Pipe &amp; Casing Pressures to Complete Kill-sheet</b>									
Initial Time the Well was Shut In	(hour)	Time SOFP	(min)	Time SSCP	(min)	SOFP (psi)	SCFP (psi)		
<b>Well Control Information Required to Complete Kill-sheet and Assist Operations</b>									
Kick Depth TVD	(ft)	Shut In Drill Pipe Pressure	(psi)	Kick Size	(bbls)	Select Rate Pressure to Cap. Vnt	Pump No.	Kill Rate Pressure	(psi)
		Shut In Casing Pressure	(psi)	Present Mud Wt	(ppg)	(ft)	(bbls/min)		(psi)

## 6.0 Hydrogen Sulfide (H<sub>2</sub>S)

### 6.1 Detection, Monitoring, Warning Equipment, and Training

Electronic H<sub>2</sub>S detection, monitoring, and warning equipment will be utilized on site. The devices will be placed in or on the rig floor, cellar area, and flow line/closed-loop area at a minimum. Additional devices will be worn by personnel while on site. Also, additional devices may be placed throughout the site.

All personnel on location will be trained on the sites alarms, evacuation procedures, and awareness of the basic hazards associated with H<sub>2</sub>S.

In the event that operations are being conducted in an area known to have/pose a threat of H<sub>2</sub>S or if there is reason to believe that a threat is present, all onsite personnel will obtain additional training on Personal Protective Equipment (PPE), respiratory Protection, and be properly fit tested.

### 6.2 Notifying the OOG and Public/Protection Zone and Access Control

Upon detection of H<sub>2</sub>S, the OOG will be immediately notified along with necessary emergency personnel. All personnel will evacuate site in the upwind direction and the entrance of the site will be blocked to prevent any unnecessary personnel from entering. The emergency response plan will then become in affect, this plan specifies the roles and responsibilities of onsite personnel in case of an emergency. It also addresses emergency notification of potential affected residents and public response personnel.

### 6.3 Personal Protective Equipment (PPE)

The following personal protection equipment will be available and in use as needed on location:

- Hardhats
- Safety Shoes
- Safety Glasses and/or Safety Goggles/Face Shields
- Hearing Protection Earplugs
- Work Gloves
- Personal H<sub>2</sub>S Monitors
- and SCBA Escape Packs (only as needed).

Ample supply of all PPE items will be utilized and available for all personnel and any visitors.

In the event that other hazards are identified or presented during the drilling operation, we will attempt to eliminate the hazard, and if not practical, additional PPE will be provided to mitigate the risk to the worker.

## 7.0 Flaring

### 7.1 Size, Construction, and Length of Flare Line

The flare line will be a 2" diameter, steel line that extends a minimum of 100' from the well. A small diameter steel line will parallel the flow line and serve as the pilot to ignite the flare. The end of the kill

line will also be at the terminus of the flow line. The flare stack will be situated at least 100' from any wellhead and/or equipment at all times. The flare line may be anchored in a variety of ways depending on the site conditions. This could include, but is not limited to, metal stakes with safety caps, cross pinning, concrete weight blocks, etc.

## 7.2 Flare Lighting

The system for lighting the flare will be ¼" pilot line fueled by propane. A flare gun will be used as a backup. Notification to the local fire department prior to lighting the flare will be given immediately if practicable and as soon as possible thereafter.

## 7.3 Flare Operation and Minimum Distances

All gas diverted through the flare line will be burned. The local fire department will be notified of the intent to flare. All flammable material beyond the end of the flare line will be cleared to a minimum distance of 100ft.

## 7.4 Flare Duration

The flare operations, upon ignition, will last approximately 14 continuous days per well drilled and completed.

# 8.0 Collision Avoidance

## 8.1 Scope of Work and Survey Techniques

Depending on the application, as outlined below, gyroscopic, mud pulse telemetry or electromagnetic telemetry tools will be utilized to maintain quality control and assurance of our well paths. Gyroscopic surveys will be run inside casing or drill pipe in 100' increments prior to picking up any directional bottom hole assembly. When drilling in an area with high magnetic interference or in critical areas, a gyroscopic muleshoe may be utilized to help steer. The Gyro company's muleshoe tool may be used to ensure it seats properly and its surveys are accurate. In addition, when using this muleshoe, the on-site company representative, directional driller, and gyro company representative will scribe and confirm the alignment and orientation of the tool. This ensures the tools are orientated consistent with the directional motor's high side and the azimuthal direction is accurate according to the survey results. During any nudge, curve or lateral drilling MWD or LWD tools will be utilized to steer and confirm placement in the well path. The directional company will provide real-time anti-collision monitoring based on surveys of existing offset wells prepared by the Drilling Engineer or Geology department.

### Established Definitions:

- 1) Proposed Wellbore – Involves sections of the vertical top-hole, the KOP, the lateral landing, and the lateral drilling to the total measured depth TMD.
- 2) Nudge – Technique generally used in the vertical top-hole section. The well path is nudged from vertical to pass areas of possible magnetic interferences and to reduce the risk of collision by maintaining separation with other wellbores.
- 3) KOP – Kick off Point. Diverting a well path from one trajectory to another.

4) MWD – Measurement While Drilling.

5) LWD – Logging While Drilling.

6) SF – Separation Factor or Clearance Factor:

$$SF^* = CC \div [ UR_{ref} + UR_{off} ]$$

CC - well separation distance (center to center of wellbores)

UR<sub>ref</sub> - radius ellipse of uncertainty on reference well

UR<sub>off</sub> - radius ellipse of uncertainty on offset well

Note: ellipses are half-axes or radii.

\*Calculation options may be considered

7) TMD – Total Measured Depth.

8) Gyro – High accuracy well bore survey instrument unaffected by magnetic interference.

9) QC / QA – Quality Control and Quality Assurance.

10) HSE – Health Safety and the Environment.

### **Established Descriptions of Risk:**

1) SF ≤ 1.0 Level 1 Extreme collision risk

2) SF = 1.0 to 1.5 Level 2 High collision risk

3) SF = 1.5 to 2.0 Level 3 Moderate collision risk

4) SF > 2.0 Level 4 Low to no collision risk

## **8.2 Surface Design Precautions**

Well surface locations will typically be spaced 20' from one another on new multi-well pads. When a rig returns to a pad with an existing producing well(s), the new well(s) surface locations will be spaced at least 100' from the existing producing well(s), unless below grade production cellars are being utilized. A full review of offset wells within the project lease boundary will be prepared for the drilling engineer by the geology department. Any offset well that has a Separation Factor (SF) less than 2.0, *or* is within 500' of the planned wellpath, *or* intersects the planned well's target formation, will require a gyro or certified survey data. If the data is not available, then the production department will perform a wireline gyro on the existing offset well prior to drilling. The desired well path will be designed with SF greater than 1.0 at all times, if possible, and the surveying tools utilized will be calibrated prior to each use following the API & manufacturers' specifications.

## **8.3 Vertical and Lateral Drilling Precautions**

The directional drilling service contractor & the operating company representative onsite will monitor real time separation distances and disclosure trends while drilling. If the SF approaches 1.5, a remote anti-collision team, provided by the service contractor, will monitor real time disclosure distances to prevent human error by any one person. A phone call will be made to the operator's field Superintendent and the Drilling Engineer. An email from the service contractor will confirm that the remote anti-collision is now involved and monitoring surveys in real time.

At any time while drilling, if the SF is less than 1.0, control drilling will be implemented until SF is greater than 1.0. The Oil and Gas Inspector will be notified via email or phone call to be made aware. While control drilling, survey stations shall be no more than but not limited to 30' apart by measured depth (MD) and when magnetic interference is a risk, a gyro tool will be utilized as a safety precaution to help steer the well path. Any change in tool or direction will be approved by the Directional Driller, operator's field Superintendent, Drilling Engineer, and service company's Directional Supervisor.

If an imminent risk for a collision should occur, the Oil and Gas inspector will be notified and given a proposal for remediation. In most applications, a cement kick plug will be set to a point safe enough to kickoff and resume drilling with a decreased threat of anticollision. 09/28/2018

#### **8.4 Additional Supportive Resources**

All surveys and well plans will be corrected to true grid north utilizing the North American Datum of 1927 (NAD27). The directional company well planner and operator's Drilling Engineer will plot and approve all well plans prior to being drilled. All onsite directional and operator representatives will verify correctness of well plan prior to drilling, as well.





09/28/2018

## Gyro Steering Muleshoe Scribe Verification

This document is intended to show multiple levels of visual confirmation during the BHA make-up, that the muleshoe high side and scribe are aligned. This alignment will confirm the azimuthal direction is accurate in the survey stations while gyro steer drilling.

Well Name: \_\_\_\_\_

API#: \_\_\_\_\_

Rig: \_\_\_\_\_

• Operator Representative: \_\_\_\_\_ Date: \_\_\_\_\_

• Gyro or MWD Representative: \_\_\_\_\_ Date: \_\_\_\_\_  
Company: \_\_\_\_\_

• Directional Driller: \_\_\_\_\_ Date: \_\_\_\_\_  
Company: \_\_\_\_\_

## **9.0 Notification and Protection Zones**

### **9.1 Notification**

In an emergency which requires the notification of residents and emergency personnel that may be affected during drilling activity, the emergency response plan will be immediately implemented. This plan specifies the roles and responsibilities of onsite personnel in case of emergency and addresses emergency notification of potentially affected residents and public emergency response personnel.

In the event that response personnel and/or residents need to be notified, the preferred method is by telephone. If no telephone number is available or if anyone is not able to be reached by phone, they will be contacted and notified in person.

All CNX Gas HAZWOPER trained at the first responder operations level shall be notified.

A list of Potentially Affected Parties, if applicable, is in the Appendix. This is a tabulation of all businesses, residence, schools within a one mile radius. This represents the current owners of record as recorded in the courthouse.

### **9.2 Protection Zones**

Should the need for designated protection zones arise as a result of certain events, they will be established as appropriate. These protection zones will be established by evaluating the hazard, conditions, circumstances, potential impacts, and available guidance (such as the DOT Emergency Response Plan, available MSDS, etc.) to determine the best course of action.

# Appendix

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

1) Well Operator: CNX Gas Company LLC

<u>494458046</u>	<u>Monongalia</u>	<u>Battelle</u>	<u>Wadestown</u>
------------------	-------------------	-----------------	------------------

  
Operator ID County District Quadrangle

2) Operator's Well Number: WDTN5CHSU Well Pad Name: WDTN5

3) Farm Name/Surface Owner: Wise Public Road Access: CR6 Wise Run

4) Elevation, current ground: 1400 Elevation, proposed post-construction: 1389

5) Well Type (a) Gas  Oil  Underground Storage

Other \_\_\_\_\_

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

Horizontal

6) Existing Pad: Yes or No No *Map of KD 4/24/2018*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Point Pleasant, Top=13,270', 75' thick, expected formation pressure ~12,000 psi

8) Proposed Total Vertical Depth: 13,335'

9) Formation at Total Vertical Depth: Point Pleasant

10) Proposed Total Measured Depth: 18,845'

11) Proposed Horizontal Leg Length: 4,742'

12) Approximate Fresh Water Strata Depths: 125', 1070'

13) Method to Determine Fresh Water Depths: Depth of bit when water shows in flowline or depth when misting is required

14) Approximate Saltwater Depths: 2180', 2625'

15) Approximate Coal Seam Depths: 709', 970', 1058', 1063'

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: \_\_\_\_\_

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	26	N	L/S	99.0	129	100	CTS 122CF
Fresh Water	18.625	N	J-55	87.5	1409	1380	CTS1724CF
Coal	18.625	N	J-55	87.5	1409	1380	CTS 1724CF
Intermediate	13.375	N	J-55	61.0	3084	3055	CTS 2190CF
Intermediate	9.625	N	P-110	43.5	12062	12033	TOC@2855, 2882CF
Production	5.5	N	Q-125	23.0	18874	18845	TOC@7500, 2708CF
Tubing	2.375	N	J-55	4.7			

Liners N/A

*Harper J. Kirby* 4/14/2018

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	26	30	0.375	N/A	N/A	Type 1	1.18
Fresh Water	18.625	24	0.435	2250	<500	Class A	1.19
Coal	18.625	24	0.435	2250	<500	Class A	1.19
Intermediate	13.375	17.5	0.430	3090	<2475	Class A	1.19
Intermediate	9.625	12.25	0.435	8700	<7000	Class A	2.03 / 1.24
Production	5.5	8.5	0.415	16510	~12500 during frac	Class H	1.24
Tubing	2.375	N/A	0.190	7700	N/A	N/A	N/A
Liners	N/A						

PACKERS

Kind:	n/a			
Sizes:				
Depths Set:				

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

Construct well pad and access road. Utilize conductor rig to set 26" conductor into solid rock and cement back to surface. MIRU drilling rig. Air drill 24" hole. Run and cement 18-5/8" fresh water/coal casing. Note that the FW/coal casing will be set just above elevation - the casing will NOT be set below ground level (setting depth to isolate sloughing formations and red beds below the Pittsburgh coal seam). Air drill 17-1/2" hole. Run and cement 13-3/8" 1st intermediate casing. Air drill 12-1/4" hole (this section is typically directionally drilled with a slant or S-turn profile for anti-collision and for lateral spacing). Displace hole with 12.5 ppg SOBMs. Run and cement 9-5/8" 2nd intermediate casing. Drill 8-1/2" production hole from casing shoe to curve KOP. Drill 8-1/2" curve from KOP to landing point. Plan to land with 14.0-14.5 ppg SOBMs. Continue drilling 8-1/2" lateral to TD (geosteer this section to remain in 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 ~12,500 psi and max anticipated treating pump rate is 80-90 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): 46.90

22) Area to be disturbed for well pad only, less access road (acres): 5.4

**23) Describe centralizer placement for each casing string:**

Fresh water/coal string: centralize shoe joint and every 3rd joint to surface - utilize bow spring centralizers.  
Intermediate strings: centralize shoe joint and every 3rd joint to surface and/or TOC - utilize bow spring centralizers.  
Production string: centralize every joint from shoe to KOP and then every 3rd joint from KOP 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. 1st intermediate string: Class A cement with 0%-2% CaCl<sub>2</sub> and 1/4 pps cello-flake/LCM. 2nd intermediate string: Class A cement, lead and tail with dry blend and/or liquid additives. Production string: Class 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:**

Top hole air sections are typically vertical holes - will ensure the hole is clean at section TD prior to TOOH to run casing (may require mist and/or soap to clean the hole). For 12-1/4" hole - load hole with 12.5 ppg SOBMs and circulate hole clean. For the production hole - once at TD, circulate at max flowrate with max rotation until the shakers clean-up (typically requires multiple bottoms-up). For the production casing - once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.

\*Note: Attach additional sheets as needed.

## **WDTN5 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 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.**



**DRILLING WELL PLAN**  
**WDTN-5C-HSU (Utica HZ)**  
 Utica Shale Horizontal  
 Monongalia County, WV

Ground Elevation		1390' GL Elevation		WDTN-5C-HSU SHL		WDTN-5C-HSU LP		WDTN-5C-HSU BHL		CENTRALIZERS		CONDITIONING		COMMENTS	
Azimuth		315°													
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	MD	TVD	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS					
	30"	26" L/S	Conductor	100	100	AIR	To Surface	N/A	N/A	Stabilize surface fill/soil					
	24"	18-5/8" 87.5# J-55 BTC	Shallowest Fresh Water Waynesburg 1 Coal Pittsburgh Coal FW/Coal Casing		125 709 1063 1380	AIR / FW Mist	15.6 ppg Class A 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface (bow spring)	Ensure the hole is clean at section TD	Set through FW & coal zones Cemented to surface 18-5/8" shoe NOT to be set deeper than ground level					
	17-1/2"	13-3/8" 61.0# J-55 BTC	Big Lima Big Injun Price 1st Intermediate Csg		2475 2665 2805 3055	AIR / Soap	15.6 ppg Class A 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface (bow spring)	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					
	12-1/4"	9-5/8" 43.5# P-110 LTC	Gordon Elks Tully Marcellus Onondaga Salina Lockport Tuscarora Queenston Reedsville 2nd Intermediate Csg		3380 5165 7530 7670 7740 8620 9365 10580 10840 11860 11960	AIR / Brine	Lead: 12.5 ppg Class A Yield = 2.03 TOL @ >= 200' above 13-3/8" shoe Tail: 15.2 ppg Class A Yield = 1.24 TOT @ ~1000' above 9-5/8" shoe 10% OH Excess TOC @ >= 200' above 13-3/8" shoe	Centralize every 3rd joint from shoe to TOC (bow spring)	Ensure the hole is clean at section TD Load hole with SOBIM prior to running casing Displace cement with SOBIM	Casing to be set ~100' TVD into the Reedsville Note: For all strings, actual centralizer placements may be changed due to hole conditions Note: For all strings, actual cement blends may vary slightly depending upon service company utilized					
	8-1/2" Curve & Lateral	5-1/2" 23.0# C-125 VAR	Utica Point Pleasant Production Casing		13130 13270 13335	14.0-14.5 ppg SOBIM	15.6 ppg Class H 10% OH Excess Yield = 1.24 TOC @ ~7500'	Centralize every joint from shoe to KOP (single-piece/frigid bow centralizers)	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up). Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.						

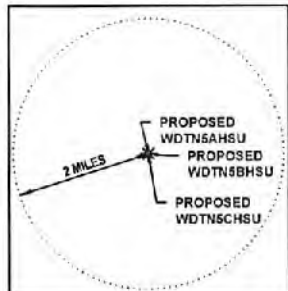
LP @ +/- 13335' TVD  
 8-1/2" Hole - Cemented Long String  
 5-1/2" 23.0# C-125 VAR  
 +/- 4742' Lateral  
 TD @ +/- 13335' TVD

09/28/2018



WELL: <b>WDTN 5 HSU</b>					
Top Depth from Ground Elevation (TVD)	Formation		Coal Seam Thickness (FEET)	Minable Coal Seam	General Rock Type
	Soil and Rock				Top Soil and Rock
428	Zones of Potential circulation loss	<b>WATER</b>			
591	Deepest Water Well Depth (within 2500')	<b>WATER</b>			
704	Waynesburg 2		0.95	no	Coal
709	Waynesburg 1		3.24	yes	
970	Sewickley Coal		6.18	yes	
1058	Roof Coal Zone		4.2	yes	
1063	Pittsburgh Coal		7.34	yes	
1070	Possible Water Expected	<b>WATER</b>			
1530	Brush Creek Coal		0.76	no	Coal
1643	Upper Freeport Coal		1.56	no	
1681	Lower Freeport Coal		1.47	no	
1745	Upper Kittanning Coal		1.18	no	
1853	Lower Kittanning Coal		0.98	no	
1903	Clarion		1.55	no	
1973	Brookville Coal		0.1	no	
2475	Big Lime				
2565	Big Injun	<b>Thief Zone</b>			Sand
2805	Price Formation				Shale
3255	50 Foot				Sandstone
3390	Gordon				Sandstone
3515	Fifth				Sandstone
3565	Bayard				Sandstone
5165	Elk				Siltstone
7145	Rhinestreet				Grey Shale
7360	Cashaqua				Shale
7505	Burket				Black Shale
7530	Tully				Limestone
7565	Hamilton				Grey Shale
7670	Upper Marcellus	<b>High Pressure and Volume</b>			Black Shale
7705	Purcell				Limestone
7710	Middle Marcellus				Black Shale
7720	Cherry Valley				Limestone
7725	Lower Marcellus				Black Shale
7740	Onondaga Limestone				Limestone
8005	Oriskany Sandstone				Sandstone
8090	Helderberg Limestone				Limestone
8620	Salina				Salt
9365	Lockport Dolomite				Dolomite
10040	Rochester Shale				Grey Shale
10590	Tuscarora Sandstone				Sandstone
10840	Queenston Shale				Red Shale
11860	Reedsville Shale				Grey Shale
13125	Utica Shale				Grey Shale
13245	Point Pleasant				Black Shale
13325	Lexington Limestone			Limestone	
13365	Trenton Limestone			Limestone	

**\*\*No Saltwater or Hydrogen Sulfide is expected\*\***



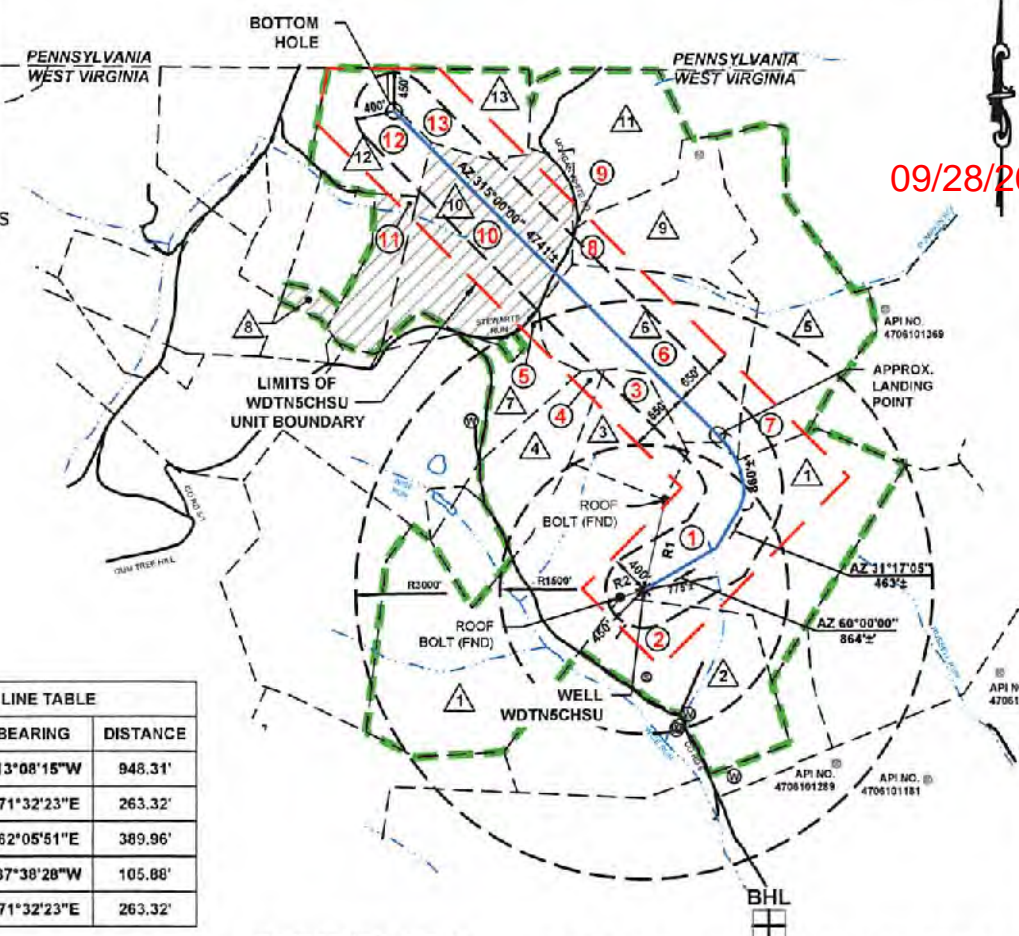
DETAIL  
UTICA WELLS WITHIN 2 MILE RADIUS  
SCALE 1" = 15,000'

SHL is located on topo map 660 feet south of Latitude: 39° 42' 30"  
 BHL is located on topo map 10,860 feet south of Latitude: 39° 45' 00"



SHL is located on topo map 1,058 feet west of Longitude: 80° 20' 00"  
 BHL is located on topo map 3,612 feet west of Longitude: 80° 20' 00"

09/28/2018



**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395394.759  
 E: 556827.076  
 NAD27, WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
 LAT: 39°42'23.475"  
 LON: 80°20'13.543"

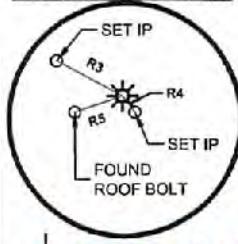
**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395886.340  
 E: 557050.785  
 NAD27, WV NORTH  
 N: 442111.760  
 E: 1765190.691  
 LAT/LON - NAD83  
 LAT: 39°42'39.366"  
 LON: 80°20'03.996"

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396890.733  
 E: 556012.314  
 NAD27, WV NORTH  
 N: 445464.425  
 E: 1761838.031  
 LAT/LON - NAD83  
 LAT: 39°43'12.191"  
 LON: 80°20'47.299"

LINE #	BEARING	DISTANCE
R1	S13°08'15"W	948.31'
R2	N71°32'23"E	263.32'
R3	S62°05'51"E	389.96'
R4	N37°38'28"W	105.88'
R5	N71°32'23"E	263.32'

NO DEEP WELLS WITHIN 3000'

REFERENCE DETAIL



MINERAL TRACT BOUNDARY = 673.781 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

**LEGEND**

	TOPO MAP POINT		LEASE BOUNDARY
	PROPOSED WELL		UNIT BOUNDARY
	WATER SOURCE		PROPOSED HORIZONTAL WELL
	SPRING		SURFACE OIL & GAS LINES
	SURFACE TRACT		SURFACE TRACT LINES ONLY
	LEASED NUMBER BASED ON ATTACHED WDTN5C		GAS LEASE LINES ONLY
	WELLS WITHIN 3000'		WELL REFERENCE
	RECORD GAS WELL		STREAM/WATERWAY
			ROAD
			FORCED POOLING AREAS

**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING  
 1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: info@shefflerCo.com

- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE # WDTN5IHSM  
 DRAWING # 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX1864: 1,496.32'

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.

SIGNED:

R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 2, 2018  
 OPERATOR'S WELL #: WDTN5CHSU  
 API WELL # 47 061  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

WDTN5CHSU UNIT = 233.162 ACRES TOTAL		
BATTELLE DISTRICT		
#	TAX MAP & PARCEL	UNIT ACRES
1	1-8, P/O PARCEL 2	60.461 Ac.
2	1-8, P/O PARCEL 3.1	9.633 Ac.
3	1-8, P/O PARCEL 1.3	12.585 Ac.
4	1-8, P/O PARCEL 1.2	1.323 Ac.
5	1-3, P/O PARCEL 3.1	1.653 Ac.
6	1-3, P/O PARCEL 4	49.976 Ac.
7	1-3, P/O PARCEL 8	6.964 Ac.
8	1-3, P/O PARCEL 5	4.744 Ac.
9	1-3, P/O PARCEL 6	0.574 Ac.
10	1-3, P/O PARCEL 2	46.077 Ac.
11	1-3, P/O PARCEL 2	0.788 Ac.
12	1-2, P/O PARCEL 20	22.145 Ac.
13	1-3, P/O PARCEL 1	16.339 Ac.

**SURFACE TRACT OWNERS & TAX PARCEL**

1.	DINA M WISE ET AL	1-8-2
2.	BARBARA J WAGNER	1-8-3.1
3.	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART	1-8-1.3
4.	DAVID W & ELIZABETH K DEATON	1-8-1.2
5.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-8
6.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-4
7.	STEVEN M MACYDA	1-3-3.1
8.	ROY LEE JR & ERICA E. HALL	1-2-21
9.	DENNIS & ROSE THOMAS	1-3-5
10.	CONSOL MINING COMPANY LLC	1-3-2
11.	DENNIS & ROSE THOMAS	1-3-6
12.	ROY L HALL	1-2-20
13.	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES	1-3-1

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard W. Wise	DINA M WISE ET AL
		Donald Wise	
		Thomas E. McCauley	
		Richard L. McCauley	
		Judy A. Eckman	
		Robert Stewart	
		Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	
		Clifford J. Wise	
		Regina Wise Myers AKA Violet Regina Myers	
		Eleanor J. Wise	
		Walter C. Ord	
		James Freeman Stewart	
		Victor E. Wise	
		Zelda Ruth Brumage	
		Evaloe A. Everly Shaheen	
		Dexter Murie Stewart	
		Justin P. Stewart	
		Annette E. Stewart	
		Debora Goff	
		Walter R. Currence	
		Maureen S. Currence	
		Michelle L. Currence	
		Phyllis J. Petrosky	
		Jesse D. Jones	
		Harold M. Jones, Jr.	
		Fred C. Wise and Alice F. Wise	
		Linda Stapp	
		Richard A. Nunley and Diana K. Nunley	
		Patricia J. Mumaw and Richard L. Mumaw	
		Donald E. Nunley	
		Mary Nunley Steplton and Donald Steplton	
		Jane Irons	
		Melissa Bookout	
		Eileen Ann Lyle	
		Robert Eugene Michael, Sr. and Darlene Ann Michael	
		Frank Dennis Michael, Jr. and Mary Frances Michael	
Evelyn June Michael			
Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin			
Boyd Hawkins and Karl J. Hawkins			
Becky Bortnick Hawkins			
2	1-8-3.1	Barbara J. Wagner	BARBARA J WAGNER
		Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust	
3	1-8-1.3	CBC Holdings, LLC	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART
		Edward L. Thomas and Diana Lee Thomas	
4	1-8-1.2	David Wayne Thomas	DAVID W & ELIZABETH K DEATON
		Dorothy L. Stewart and Harold L. Stewart Jr.	
5	1-3-3.1	Earl W. Kennedy	STEVEN M MACYDA
		CBC Holdings, LLC	
6	1-3-4	Steven M. Macyda	JAMES EDWARD & EARL LYNN TAYLOR
		Earl W. Kennedy	
7	1-3-8	James Edward Taylor	JAMES EDWARD & EARL LYNN TAYLOR
		Earl Lynn Taylor	
8	1-3-5	Harland Thomas and Rose Marie Thomas	DENNIS & ROSE THOMAS
		David E. Thomas	
9	1-3-6	Marylou Dixon	DENNIS & ROSE THOMAS
		James Edward Taylor	
10	1-3-2	Earl Lynn Taylor	CONSOL MINING COMPANY LLC
		Rose Thomas	
		Rose Thomas	
		David Charles White and Regina Sue White	
		Lucy Mae Stickle	
		Marian R. Stone Garrett	
		Patricia K. W. Hoekstra	
		Richard H. Benson, II	
		Alvy S. White	
		Anita Talbott	
		Karen I. Meyers	
		Carol S. White Davis	
		Edwin R. White II	
		Robert Tate Jr.	
Frederick Tate			
Timothy Tate Jr.			

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



**Sheffler & Company, Inc.**  
ENGINEERING • SURVEYING

1712 Mount Nebo Road  
Sewickley, PA 15143  
Phone: 412-219-4509  
Email: info@shefflerCo.com

DATE: April 3, 2018, Rev. May 2, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
STATE COUNTY PERMIT

WATERSHED: DUNKARD CREEK

ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE

QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL.

ACREAGE: 207.36

OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL.

ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT

ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±

WELL OPERATOR: CNX GAS COMPANY, LLC

DESIGNATED AGENT: CHRIS TURNER

Address: 1000 CONSOL ENERGY DRIVE

Address: 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317

City JANE LEW State WV Zip Code 26378

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
10 (CONT.)	1-3-2	Alex Tate	CONSOL MINING COMPANY LLC
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
		Donald E. Stone	
		Doris Jean White	
		Victor A. White (2/147)	
		Melinda Reid Hatton (2/294)	
Dennis F. Hatton Jr. (2/588)			
Amanda Hatton (2/588)			
11	1-3-2	David Charles White and Regina Sue White	CONSOL MINING COMPANY LLC
		Lucy Mae Stickley	
		Marian R. Stone Garrett	
		Patricia K. W. Hoekstra	
		Richard H. Benson, II	
		Alvy S. White	
		Anita Talbott	
		Karen I. Meyers	
		Carol S. White Davis	
		Edwin R. White II	
		Robert Tate Jr.	
		Frederick Tate	
		Timothy Tate Jr.	
		Alex Tate	
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
Nancy Emerick			
Betty Ann Reed			
David Ray Stone			
Donald E. Stone			
Doris Jean White			
Sandra Pixler			
Victor A. White (4/147)			
Melinda Reid Hatton (2/147)			
Dennis F. Hatton Jr. (1/147)			
Amanda Hatton (1/147)			
12	1-2-20	Merrion Oil and Gas Corporation Hu's Land and Minerals LLC	ROY L HALL
13	1-3-1	Merrion Oil and Gas Corporation	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES
		Hu's Land and Minerals LLC	
		Clark Donley Stiles	

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



1712 Mount Nebo Road Sewickley, PA 15143 Phone: 412-219-4509 Email: info@shefflerCo.com

DATE: April 3, 2018, Rev. May 2, 2018

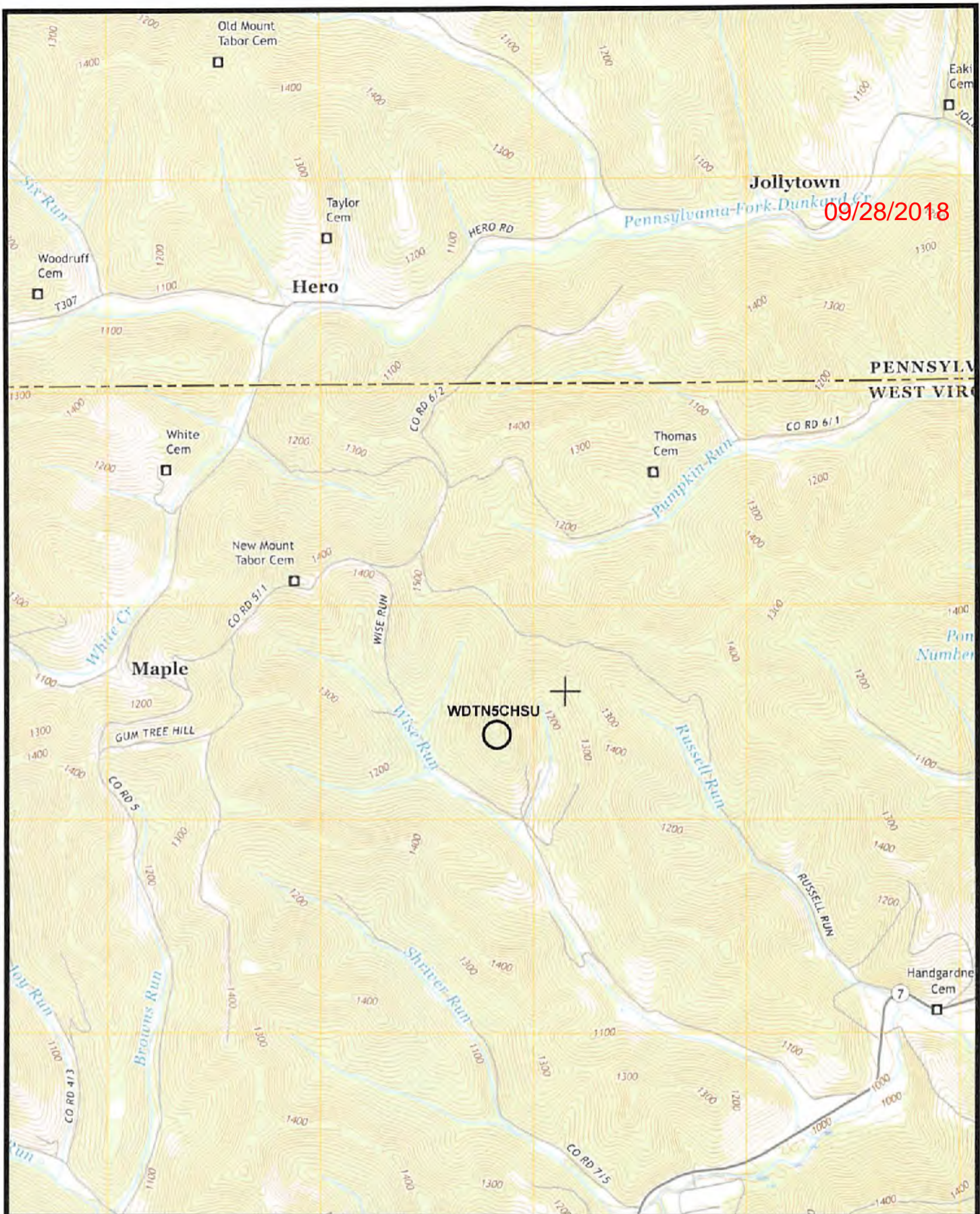
Well Type:  Oil  Waste Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5CHSU  
API WELL # 47 061  
STATE COUNTY PERMIT

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
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Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378



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 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 2, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36

OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

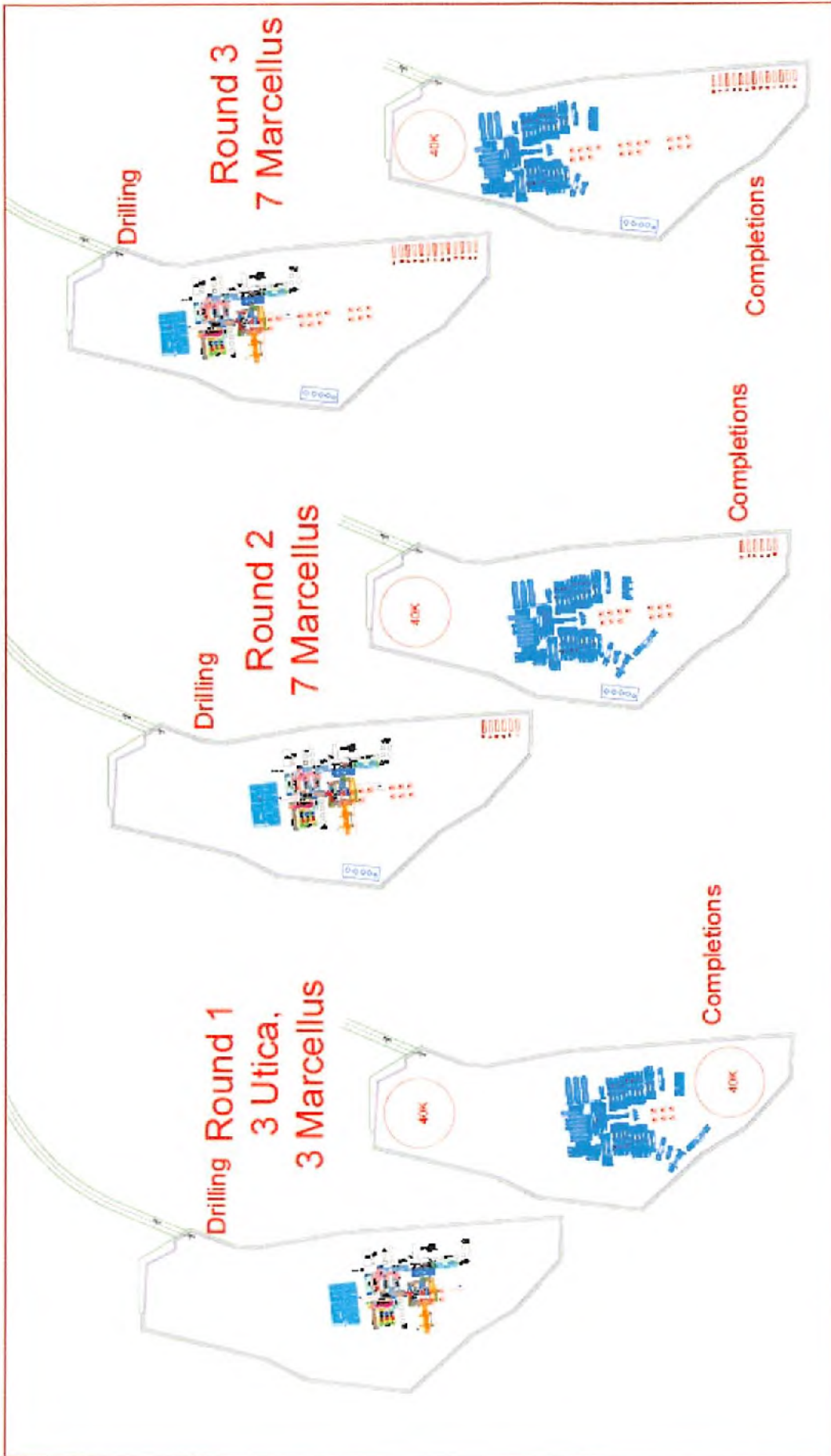
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
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 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±

WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER

Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE

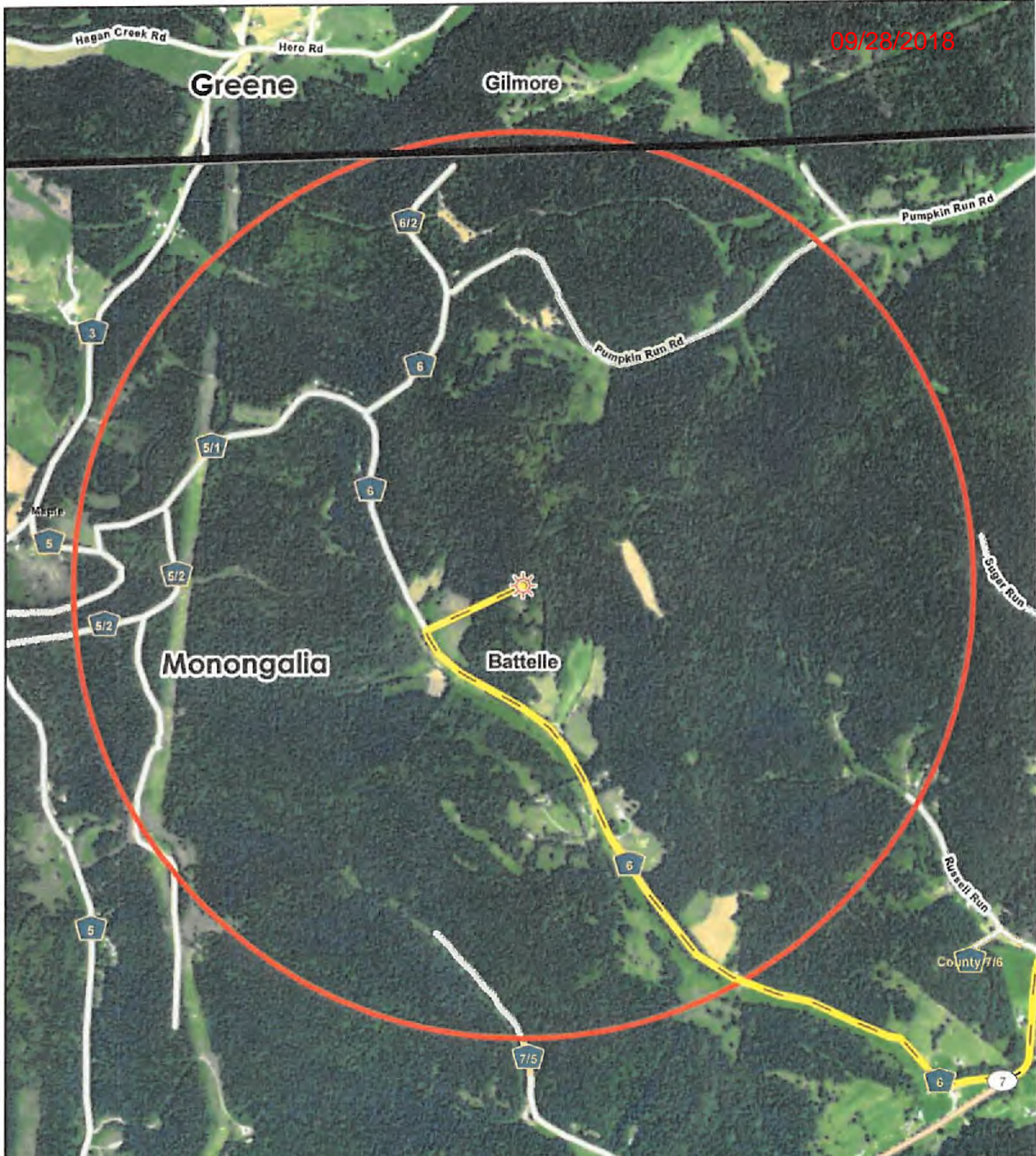
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378



# Production



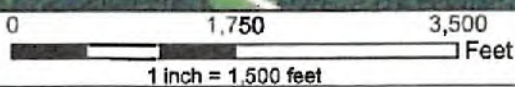
09/28/2018



**Legend**

- Wellbore
- 1 Mile Evacuation Buffer
- Evacuation Route

**Directions:**  
 Head west from pad and turn left onto County Highway 6, follow Highway 6 to Route 7 and turn left onto Route 7.



**CONSOL ENERGY**  
 CNX Center, Canonsburg, PA

Original Date: 7/20/2017      Prepared By: GIS

Revision Date: 7/20/2017      Approved By: GIS

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Site Evacuation Map  
**WDTN5**

Path: c:\m\gis\business\_user\_support\gis\_permitting\gd21\wdr5\evacuation\_map\wdr5\_evacuation\_plan\_map.mxd - 5/30/18



09/28/2018

**DRIVING DIRECTIONS FOR CNX WDTN5IHSM WELL SITE**

From interstate 79 North in WV, take exit 1 toward Mt Morris.

Turn left onto Bald Hill Road/Locust Ave/T865, 0.6mi.

Slight right onto T329/Wades Run Road, 300 feet.

Turn left onto Buckeye Road (entering WV), 3.7 mi.

Turn right onto WV-7 W, 13.9 mi.

Turn right onto Stewarts Run/Wise Run, 1.5 mi.

Entrance to well site on Right

**NEAREST FIRE STATION:**

Wadestown Fire Department

Mason Dixon Highway

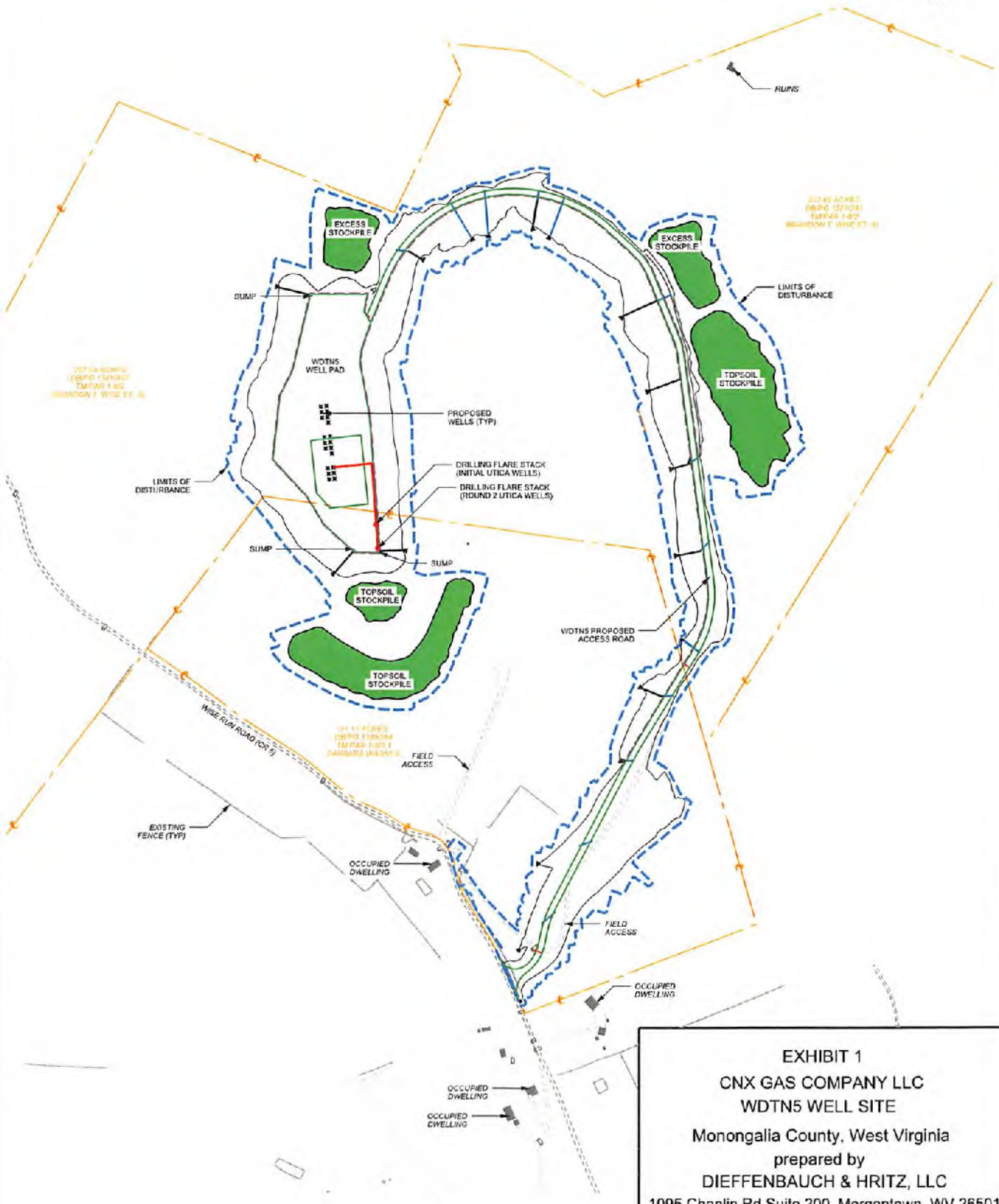
Wana, WV 26590

(304) 662-6331

09/28/2018



PREVAILING WIND



K:\CNX Waynesburg\1216067 - WTN5\Common\WDTN5 MAP.dgn 3:25:50 PM 5/2/2018 1:500



**EXHIBIT 1**  
**CNX GAS COMPANY LLC**  
**WDTN5 WELL SITE**  
 Monongalia County, West Virginia  
 prepared by  
**DIEFFENBAUCH & HRITZ, LLC**  
 1095 Chaplin Rd Suite 200, Morgantown, WV 26501  
 Phone: 304-985-5555 Fax: 304-985-5557



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: no pits

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number 47-001-00561, 47-097-01514, 47-097-01613, 34-013-2-0609 )
- Reuse (at API Number WDTN2 wells API TBD )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No Pits )

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical: air from spud/surface to leave kick-off point (KOP). Horizontal: synthetic oil-based mud (SOBM) from curve KOP to lateral TD

-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. Land Application of soil conductor cuttings only, rock cuttings will be taken to an approved Landfill

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

-Landfill or offsite name/permit number? See attached.

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 [Signature]

Company Official (Typed Name) Raymond Hoon

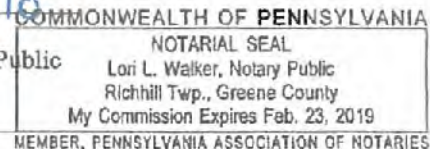
Company Official Title Supervisor - Permitting

~~Commonwealth of Pennsylvania~~ ~~County of Washington~~

Subscribed and sworn before me this 4th day of April, 2018

Lori L. Walker  
Notary Public

My commission expires February 23, 2019



**CNX Gas Company, LLC**

Proposed Revegetation Treatment: Acres Disturbed 46.90 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: *Hayme J. Koford*

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

Title: INSPECTION Date: 4/4/2018

Field Reviewed? (  ) Yes (  ) No

Disclaimer: Vendors have been approved for the below category by ENV. UPDATED AGREEMENT with MSCM MUST BE CONFIRMED.

USE APPROVED NON-HAZARDOUS WASTE DISPOSAL FACILITIES (version 05-23-2016)

Republic Services (Allied Waste) Industrial Landfills		Gas Specific Waste Streams			Other Accepted Waste Streams								Contact Information
Landfill	Location	Drill * Cott(Lings)	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos	Non-Friable Asbestos	Process Waste	Solidification Services	
McLean County	Bloomington	IL	X	X		X	X	X	X	X	X		X
ERC/Coles County	Charleston	IL	X	X		X	X	X	X	X	X		X
Brickyard Disposal	Danville	IL	X	X		X	X	X	X	X	X		X
Southern Illinois Regional	De Soto	IL											
Lee County	Dixon	IL	X	X		X	X	X	X	X	X		X
Upper Rock Island	East Moline	IL	X	X		X	X	X	X	X	X		X
Bond County	Greensville	IL	X	X		X	X	X	X	X	X		X
Illinois	Hoopston	IL	X	X		X	X	X	X	X	X		X
LandComp	LaSalle	IL	X	X		X	X	X	X	X	X		X
Litchfield-Hillsboro	Litchfield	IL	X	X		X	X	X	X	X	X		X
Environtech	Morris	IL	X	X		X	X	X	X	X	X		X
Livingston	Pontiac	IL	X	X		X	X	X	X	X	X		X
Roxana	Roxana	IL	X	X		X	X	X	X	X	X		X
Saugamon Valley	Springfield	IL	X	X		X	X	X	X	X	X		X
Benson Valley	Prunkfort	KY	X	X		X	X	X	X	X	X		X
Blue Ridge	Irvine	KY	X	X		X	X	X	X	X	X		X
Murehead	Murehead	KY	X	X		X	X	X	X	X	X		X
Green Valley	Rush	KY	X	X		X	X	X	X	X	X		X
Cherokee Run	Bellefontaine	OH				X	X	X	X	X	X	X	X
Williams County	Bryan	OH				X	X	X	X	X	X		X
County Environmental	Carey	OH				X	X	X	X	X	X		X
Celina	Celina	OH				X	X	X	X	X	X		X
Carbon-Limestone**	Lowellville	OH	X	X		X	X	X			X	X	X
Countywide Landfill**	East Sparta	OH	X	X		X	X						X
Lorain County	Oberlin	OH				X	X	X			X		X
Oakland Marsh	Shiloh	OH				X	X	X	X	X			X
Imperial	Imperial	PA				X	X	X	X	X			X
Conestoga	Morgantown	PA				X	X	X	X	X	X		X
Brunswick	Lawrenceville	VA				X	X	X	X	X	X		X
King and Queen	Little Plymouth	VA				X	X	X	X	X	X		X
Old Dominion	Richmond	VA				X	X	X	X	X	X		X
Sycamore	Hurricane	WV				X	X	X	X	X	X		X
Short Creek	Wheeling (Short Creek)	WV	X	X		X	X	X			X		X
Carters Valley	Church Hill	TN											X

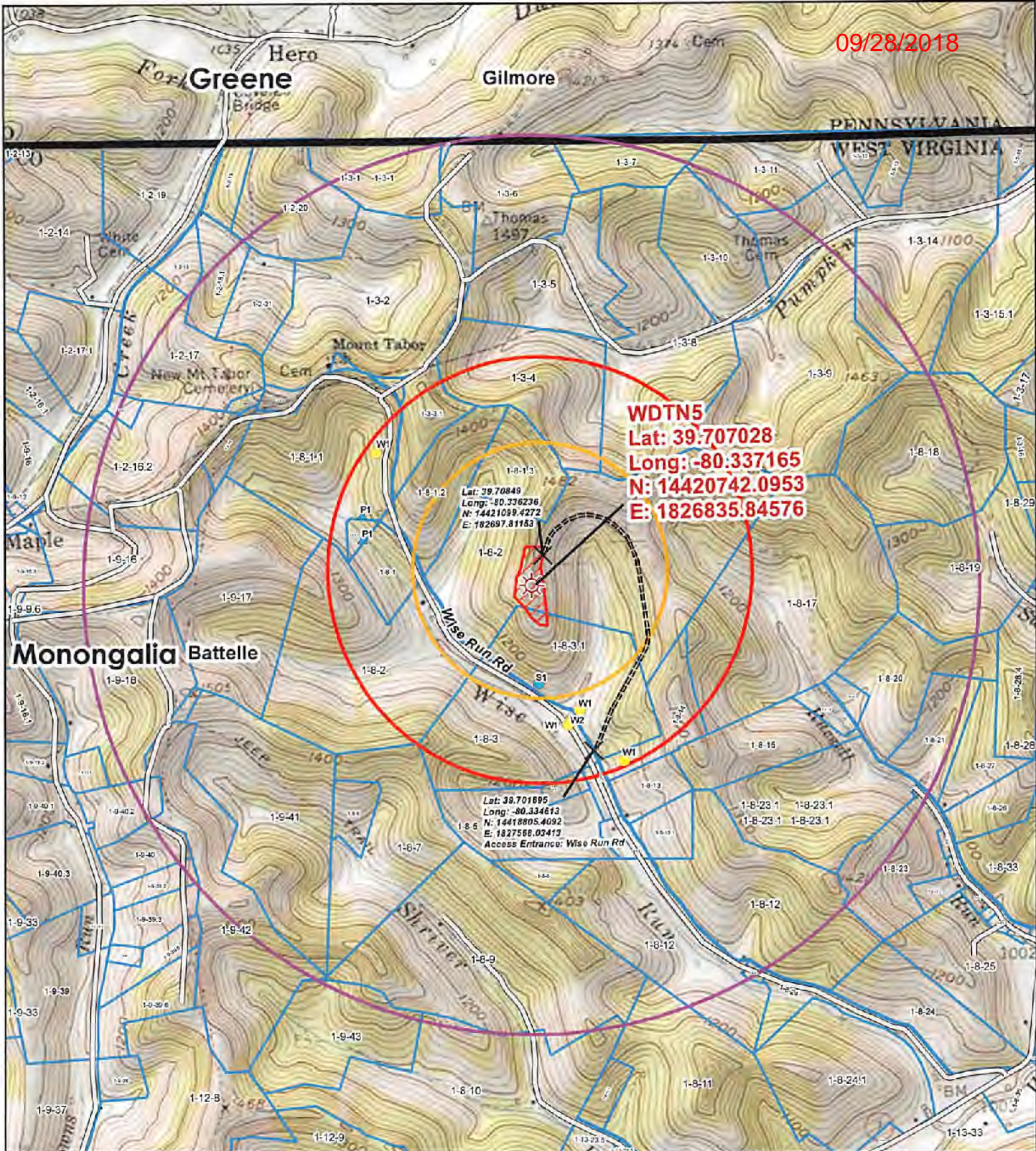
317-921-1667 or 480-627-2700  
1-800-634-0215

Jack Palermo:  
work: 330-536-8013  
cell: 330-806-9660  
  
Barbara Harsanyi:  
work: 330-536-8013 x 120  
cell: 330-423-7267

Waste Management Industrial Landfills															Contact Information
Landfill	Location	Gas Specific Waste Streams			Other Accepted Waste Streams										
		Drill * Cuttings	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos	Non-Friable Asbestos	Process Waste	Solidification Services	Municipal Solid Waste		
Arden Landfill	Washington	PA	X	X	X	X	X	X			X	X	X		
South Hills (Armoni)	South Park	PA	X	X		X	X	X			X	X	X		
Kelly Run	Elizabeth	PA	X	X	X	X	X	X			X	X	X		
Valley Landfill	Irwin	PA	X	X	X	X	X	X	X	X	X	X	X		
Evergreen Landfill	Blairsville	PA	X	X	X	X	X	X	X	X	X	X	X		
Charleston Landfill (Kanawha County)	Charleston	WV	X	X	X	X	X	X			X		X		
Meadowhill Landfill	Bridgeport	WV	X	X	X	X	X	X	X	X	X	X	X		
Northwestern Landfill	Parkersburg	WV	X	X	X	X	X	X			X	X	X		
S&S Grading Landfill	Clarksburg	WV	X	X	X	X	X	X			X		X		
American Landfill	Waynesburg	OH	X	X	X	X	X	X	X	X	X	X	X		
Suburban RDF	Glenford	OH	X	X	X	X	X	X	X	X	X	X	X		
Coshocton Landfill***	Coshocton	OH	X	X	X	X	X	X					X		
Mahoning Landfill	New Springfield	OH	X	X	X	X	X	X			X		X		
Additional Landfills															Contact Information
Landfill	Location	Gas Specific Waste Streams			Other Accepted Waste Streams										
		Drill* Cuttings	Waste Liners	Waste Brine	Contaminated Soil (Including Petroleum)	Construction & Demolition Waste	Industrial Waste	Sludge	Friable Asbestos	Non-Friable Asbestos	Process Waste	Solidification Services	Municipal Solid Waste		
Westmoreland Waste (WWLC Group)	111 Conner Lane, Belle Vernon, PA 15012	PA	X	X	X	X	X	X	X	X		X	X	Mike Home: 412-552-4427 Mark Thomas: 724-929-7694	
MAX Environmental (Baker Facility)	200 Max Drive, Baker, PA 15019	PA	X	X	X	X	X	X				X	X	Carl Spadaro: 412-343-4900 cell: 412-445-9789	
MAX Environmental (Yukon Facility)	235 MAX Lane, Yukon, PA 15698	PA	X	X	X	X	X	X				X	X	Joe Teterick: 740-275-2887 joet@cls-company.com	
Apex Sanitary Landfill (Apex Environmental)	11 County Road 78, Amsterdam, Ohio 43903	OH	X	X	X	X	X	X				X	X	Carl Walter: 513-623-2471	
Rumpke, Mt. Sterling (Rumpke Consolidated)	30 Larison Rd, Jeffersonville, KY 40137	KY	X	X	X	X	X		X	X			X	Bruce Crouch: Work: 606-864-7996 Cell: 606-219-0261	
Laurel Ridge Landfill Waste Connections of KY)	3612 B State Highway 552 Hwy, KY 40740	KY	X	X	X	X	X		X	X	X		X		
Advanced Disposal	Chestnut Valley 1184 McClellandtown Rd, McClellandtown, PA 15458	PA	X	X	X	X	X	X						Tony Labenne 6184 Route 219, Brockway, PA 15824 814-590-9906	
	Greentree Landfill; 635 Toby Rd.; Kersey, PA	PA	X	X	X	X	X	X							
	Mostoller Landfill; 7035 Glades Pike Rd.; Somerset, PA	PA	X	X	X	X	X	X							

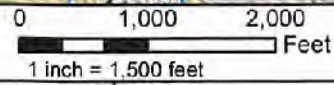
\*\* Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 picocuries per gram above the natural background level.  
 \*\*\* Accepts drilling wastes but profile for disposal is not currently completed.  
 X Waste stream accepted by facility.  
 Waste stream is not or may not be accepted by facility. Contact facility directly to verify waste streams accepted.  
 New PADEP rules regarding "TENORM" testing requirement are pending.  
**Notes:**  
 \* Drill Cuttings include frac sand for the purpose of this table (Contact facility directly to verify waste streams accepted).

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**Legend**

- Wellbore
- Wells
- Spring
- Ponds
- Access Points
- Access Road
- 2,500 Foot Buffer
- 1,500 Foot Buffer
- 1 Mile Buffer
- Surface Parcel
- Well Pad



Original Date: 5/3/2018      Prepared By: GIS

Revision Date: 5/3/2018      Approved By: GIS

Topographic Well Map  
**WDTN5**

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Surface Owner	Address	City	State	Zip	Tax ID	Acres	County Name	State Name	Phone Number
GROJEAN GALE D & MELBA L	WHITE CREEK	WANA	WV	26590	1-2-16	5.153968	Monongalia	West Virginia	863-453-4431
HARRISON DELORES J	DUNKARD CREEK	BURTON	WV	26562	1-2-16.2	48.3988	Monongalia	West Virginia	304-292-3502
BARNHOUSE THOMAS M		BURTON	WV	26562	1-2-17	40.236308	Monongalia	West Virginia	304-288-2797
MORGAN FREDERICK JR & PATRICIA	DUNKARD CREEK	BURTON	WV	26562	1-2-17.1	2.300925	Monongalia	West Virginia	304-775-4086
HALL ROY LEE JR & ERICA E	BRUSHY FORK RD	BURTON	WV	26562	1-2-18	6.085001	Monongalia	West Virginia	618-937-0171
HALL LEONARD E & PRINCESS BETH	WHITE CREEK	BURTON	WV	26562	1-2-18.1	14.138319	Monongalia	West Virginia	304-775-2440
HALL ROY L	WHITE CREEK	BURTON	WV	26562	1-2-20	34.453886	Monongalia	West Virginia	304-775-2764
HALL ROY L	WHITE CREEK	BURTON	WV	26562	1-2-21	16.591206	Monongalia	West Virginia	304-775-2764
MT TABOR CEMETERY	ROUTE 5/1	WANA	WV	26590	1-2-22	3.066068	Monongalia	West Virginia	304-775-2764
		WANA	WV	26590	1-2-23	1.45701	Monongalia	West Virginia	Repeat
MT TABOR M E CHURCH	ROUTE 5/1	WANA	WV	26590	1-2-24	0.80564	Monongalia	West Virginia	304-775-2764
CONSOLIDATION COAL COMPANY		BURTON	WV	26562	1-3-1	26.833408	Monongalia	West Virginia	CONSOL
STILES CLARK DONLEY		BURTON	WV	26562	1-3-1	26.833408	Monongalia	West Virginia	740-485-2622
SOLOMON CYNTHIA	ROUTE 1 WANA	BURTON	WV	26562	1-3-1.1	0.752988	Monongalia	West Virginia	304-296-9660
									724-451-8264 (James) 724-451-8457 (earl)
TAYLOR JAMES EDWARD & EARL LYNN	1023 PUMPKIN RUN RD	WANA	WV	26590	1-3-10	33.698948	Monongalia	West Virginia	724-451-8264 (James) 724-451-8457 (earl)
CONSOLIDATION COAL COMPANY	PUMPKIN RUN	WANA	WV	26590	1-3-11	30.267327	Monongalia	West Virginia	CONSOL
									724-451-8264 (James) 724-451-8457 (earl)
TAYLOR JAMES EDWARD & EARL LYNN	1023 PUMPKIN RUN RD	WANA	WV	26590	1-3-14	95.714419	Monongalia	West Virginia	724-451-8264 (James) 724-451-8457 (earl)
CONSOLIDATION COAL COMPANY	DUNKARD CREEK	BURTON	WV	26562	1-3-2	83.0675	Monongalia	West Virginia	CONSOL
VOLK FRANK W SR MARITAL TRUST & FRANK W VOLK SR NO	ROUTE 1 WANA	BURTON	WV	26562	1-3-3	1.08675	Monongalia	West Virginia	304-292-0475
MACYDA STEVEN M	ROUTE 1 WANA	BURTON	WV	26562	1-3-3.1	14.634746	Monongalia	West Virginia	724-496-5407
									724-451-8264 (James) 724-451-8457 (earl)
TAYLOR JAMES EDWARD & EARL LYNN	1023 PUMPKIN RUN RD	WANA	WV	26590	1-3-4	51.907506	Monongalia	West Virginia	724-451-8264 (James) 724-451-8457 (earl)
									724-451-8264 (James) 724-451-8457 (earl)
THOMAS DENNIS & ROSE	ROUTE 1 WANA	BURTON	WV	26562	1-3-5	42.948853	Monongalia	West Virginia	304-662-6105
THOMAS DENNIS & ROSE	ROUTE 1 WANA	BURTON	WV	26562	1-3-6	39.258539	Monongalia	West Virginia	304-451-8464
SHOUGH JAMES LEON	ROUTE 1 WANA	BURTON	WV	26562	1-3-7	21.081274	Monongalia	West Virginia	724-451-8264 (James) 724-451-8457 (earl)
									724-451-8264 (James) 724-451-8457 (earl)
TAYLOR JAMES EDWARD & EARL LYNN	1023 PUMPKIN RUN RD	WANA	WV	26590	1-3-8	80.137351	Monongalia	West Virginia	724-451-8264 (James) 724-451-8457 (earl)
									724-451-8264 (James) 724-451-8457 (earl)
TAYLOR JAMES EDWARD & EARL LYNN	1023 PUMPKIN RUN RD	WANA	WV	26590	1-3-9	89.056912	Monongalia	West Virginia	412-561-7795
AREHEART HENRY W & LYNDA M		WANA	WV	26590	1-8-1	13.246159	Monongalia	West Virginia	304-662-6704
NEELY GARY L & ARLENE ANN	ROUTE 1 WADESTOWN	BURTON	WV	26562	1-8-1.1	63.126874	Monongalia	West Virginia	412-678-3972
DEATON DAVID W & ELIZABETH K	DUNKARD CREEK	WANA	WV	26590	1-8-1.2	26.170619	Monongalia	West Virginia	330-507-4510
THOMAS EDWARD L, DAVID WAYNE & DOROTHY L STEWART	DUNKARD CREEK	WANA	WV	26590	1-8-1.3	21.04428	Monongalia	West Virginia	412-561-7795
AREHEART HENRY W & LYNDA M		WANA	WV	26590	1-8-1.4	2.347431	Monongalia	West Virginia	304-662-6704
NEELY GARY L & ARLENE ANN	WISE RUN RD	WANA	WV	26590	1-8-1.5	0.949482	Monongalia	West Virginia	605-290-2307
BECKNER TROY DAVID & JANET LEE & SMITH(LIFE-TROY LE	11 MONA LN	WADESTOWN	WV	26590	1-8-10	107.980509	Monongalia	West Virginia	304-534-4432
DEBERRY CHESTER E & BARBARA J	ROUTE 1	WANA	WV	26590	1-8-11	88.799872	Monongalia	West Virginia	304-662-6358
SHRIVER BARBARA S	70 WISE RUN RD	WANA	WV	26590	1-8-12	55.250841	Monongalia	West Virginia	304-662-6358
SHRIVER BARBARA S	70 WISE RUN RD	WANA	WV	26590	1-8-12	69.6997	Monongalia	West Virginia	304-662-6213
SHRIVER BARBARA S & GREGORY L	271 WISE RUN RD	WANA	WV	26590	1-8-12.1	1.000452	Monongalia	West Virginia	304-662-6791
AMMONS DAVID M & JESSICA L	ROUTE 1	WANA	WV	26590	1-8-13	10.220292	Monongalia	West Virginia	304-662-6791
AMMONS DAVID M & JESSICA L	462 WISE RUN RD	WANA	WV	26590	1-8-13.1	9.197755	Monongalia	West Virginia	304-662-6778
EFAW DONALD A & AMY BETH	497 WISE RUN RD	WANA	WV	26590	1-8-14	17.273808	Monongalia	West Virginia	Unknown
RUSSELL DEWEY & BEATRICE EST	DUNKARD CREEK	WANA	WV	26590	1-8-15	26.504615	Monongalia	West Virginia	304-662-6856
STEWART BETTY	ROUTE 1	WANA	WV	26590	1-8-16	4.643445	Monongalia	West Virginia	304-879-5105
HOLMES LENA DENICE & DONRA JEAN WILLARD	DUNKARD CREEK	WANA	WV	26590	1-8-16.1	3.242026	Monongalia	West Virginia	724-455-4739
NICHOLSON BRIAN Z, WILLIAM T & KENNETH R JR	ROUTE 1	WANA	WV	26590	1-8-17	108.688605	Monongalia	West Virginia	CONSOL
CONSOLIDATION COAL COMPANY	WANA	WANA	WV	26590	1-8-18	64.841967	Monongalia	West Virginia	CONSOL
CONSOLIDATION COAL COMPANY & ET AL	ROUTE 1	WANA	WV	26590	1-8-19	53.187659	Monongalia	West Virginia	435-613-7010
WISE DINA M ET AL & (LIFE ARTHUR D & OPAL JANE	ROUTE 1 WANA	WANA	WV	26590	1-8-2	140.720517	Monongalia	West Virginia	435-613-7010
WISE DINA M ET AL & (LIFE ARTHUR D & OPAL JANE	ROUTE 1 WANA	BURTON	WV	26562	1-8-2	89.387371	Monongalia	West Virginia	724-869-3959
LYTLE KENNETH W	ROUTE 1	WANA	WV	26590	1-8-20	34.36836	Monongalia	West Virginia	304-662-6299
KIRBY TROY EDWARD & BARBARA ANNE	149 RUSSELL RUN	WADESTOWN	WV	26590	1-8-21	18.481783	Monongalia	West Virginia	304-777-2364
WILSON JACKIE L, LARRY A & SHARON E WILSON LEMLEY	DUNKARD CREEK	WANA	WV	26590	1-8-23	30.210617	Monongalia	West Virginia	304-775-2944
HOSTUTLER BONNIE R	DUNKARD CREEK	WANA	WV	26590	1-8-23.1	49.631963	Monongalia	West Virginia	304-777-2364
WILSON LARRY	DUNKARD CREEK	WANA	WV	26590	1-8-23.1	49.631963	Monongalia	West Virginia	304-662-6460
WILSON JACKIE	DUNKARD CREEK	WANA	WV	26590	1-8-23.1	49.631963	Monongalia	West Virginia	304-366-0293
LEMLEY SHARON	DUNKARD CREEK	WANA	WV	26590	1-8-23.1	49.631963	Monongalia	West Virginia	304-662-6719
WAGNER BARBARA	573 WISE RUN RD	WANA	WV	26590	1-8-3	48.095923	Monongalia	West Virginia	304-662-6719
WAGNER BARBARA J	DUNKARD CREEK	WANA	WV	26590	1-8-3.1	45.782167	Monongalia	West Virginia	304-662-6719

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EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	1-8-4	3.069929	Monongalia	West Virginia	304-662-6451
EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	1-8-5	31.982391	Monongalia	West Virginia	304-662-6451
BARR NELSON E & VIRGINIA L	503 WISE RUN RD	WANA	WV	26590	1-8-5.1	3.342155	Monongalia	West Virginia	304-676-9332
CARMAN MARGUERITTE K	459 WISE RUN RD	WANA	WV	26590	1-8-5.2	3.971234	Monongalia	West Virginia	252-753-2400
BARNHART MICHAEL L & VIRGINIA M	ROUTE 1	BURTON	WV	26562	1-8-6	8.291782	Monongalia	West Virginia	717-294-6060
BARNHART MICHAEL L & VIRGINIA M	ROUTE 1	BURTON	WV	26562	1-8-7	50.730123	Monongalia	West Virginia	717-294-6060
EFAW KENNETH W & DONNA P	509 WISE RUN RD	WANA	WV	26590	1-8-8	7.166514	Monongalia	West Virginia	304-662-6451
BARNHART MICHAEL L & VIRGINIA M	ROUTE 1	WANA	WV	26590	1-8-9	109.945499	Monongalia	West Virginia	717-294-6060
WHITE GLEN LOWELL & SHARRON & RUTH WHITE BARTHOLOM	WHITE CRK	BURTON	WV	26562	1-9-16	46.284772	Monongalia	West Virginia	828-456-9177
CONSOLIDATION COAL COMPANY	BROWN RUN	WANA	WV	26590	1-9-17	66.854976	Monongalia	West Virginia	CONSOL
CASSONE RICHARD J & LINDA ANN	BROWN RUN	BURTON	WV	26562	1-9-18	65.401598	Monongalia	West Virginia	609-294-1325
HENDERSON DAVID & GAIL & AGNES	BROWNS RUN	BURTON	WV	26562	1-9-39.2	6.817189	Monongalia	West Virginia	304-662-6780
PATTERSON WILLIAM A & CATHY A	288 BROWN RUN RD	BURTON	WV	26562	1-9-39.3	10.738947	Monongalia	West Virginia	304-662-6298
THOMAS DENNIS L & ROSE L	BROWN RUN RD	BURTON	WV	26562	1-9-40	11.609823	Monongalia	West Virginia	304-662-6105
THOMAS DENNIS L & ROSE L	BROWN RUN RD	BURTON	WV	26562	1-9-40.2	12.469171	Monongalia	West Virginia	304-662-6105
PROVANCE REGIS V & BONNIE	217 BLUE GOOSE RD	BURTON	WV	26562	1-9-41	77.056213	Monongalia	West Virginia	724-544-4871
THOMAS DENNIS L & ROSE L	BROWNS RUN	BURTON	WV	26562	1-9-42	68.508491	Monongalia	West Virginia	304-662-6105
BECKNER TROY DAVID & JANET LEE & SMITH(LIFE-TROY LE	BROWN RUN RD	BURTON	WV	26562	1-9-43	41.127269	Monongalia	West Virginia	605-290-2307
PROVANCE REGIS V & BONNIE M	DUNKARD CREEK	BURTON	WV	26562	1-9-44	1.406055	Monongalia	West Virginia	724-544-4871

09/28/2018

**Adkins, Laura L**

---

**From:** Hoon, Raymond <RaymondHoon@cnx.com>  
**Sent:** Thursday, August 30, 2018 2:50 PM  
**To:** Adkins, Laura L  
**Cc:** Whetstone, Erika; Miller, Shannon  
**Subject:** FW: WDTN5CHSU  
**Attachments:** 293080-001\_-\_Agreement\_-\_Memorandum\_-\_3\_26\_2018  
\_-\_Clark\_Donley\_Stiles\_and\_CNX\_Gas.pdf

Laura,

I confirmed with our Drilling Group that would like to keep the casing plan as is.

Also attached is the executed agreement. This goes with Tract ID 13 under Clark Donley Stiles.

Let me know if you have any other questions or comments.

-Ray

**From:** Adkins, Laura L <Laura.L.Adkins@wv.gov>  
**Sent:** Thursday, August 30, 2018 1:12 PM  
**To:** Hoon, Raymond <RaymondHoon@cnx.com>  
**Subject:** RE: WDTN5CHSU

Okay, thanks!

**From:** Hoon, Raymond [<mailto:RaymondHoon@cnx.com>]  
**Sent:** Thursday, August 30, 2018 12:59 PM  
**To:** Adkins, Laura L <[Laura.L.Adkins@wv.gov](mailto:Laura.L.Adkins@wv.gov)>  
**Subject:** RE: WDTN5CHSU

Laura,

I apologize, we are holding the A and C wells for now but are still moving forward with the B well, let me know if there are any issues with the leases on that application. The casing plan is same so I will let you know what our drilling engineers have to say about your first question.

-Ray

**From:** Adkins, Laura L <[Laura.L.Adkins@wv.gov](mailto:Laura.L.Adkins@wv.gov)>  
**Sent:** Thursday, August 30, 2018 12:57 PM  
**To:** Hoon, Raymond <[RaymondHoon@cnx.com](mailto:RaymondHoon@cnx.com)>  
**Subject:** RE: WDTN5CHSU

Ray,

I just received a forwarded email from Taylor asking to put this well on hold. Do you still want the scan?

*Retain*  
*Novo*

**From:** Hoon, Raymond [<mailto:RaymondHoon@cnx.com>]  
**Sent:** Thursday, August 30, 2018 12:35 PM  
**To:** Adkins, Laura L <[Laura.L.Adkins@wv.gov](mailto:Laura.L.Adkins@wv.gov)>  
**Subject:** RE: WDTN5CHSU

09/28/2018

Laura,

I consulted our drilling team to get you an answer for #1.

For #2 could you send a screen shot or fist page of the lease you are referring to and I'll get it identified.

-Ray

**From:** Adkins, Laura L <[Laura.L.Adkins@wv.gov](mailto:Laura.L.Adkins@wv.gov)>  
**Sent:** Thursday, August 30, 2018 11:31 AM  
**To:** Hoon, Raymond <[RaymondHoon@cnx.com](mailto:RaymondHoon@cnx.com)>  
**Subject:** WDTN5CHSU

Ray,

I have reviewed one of the WDTN5s as referenced above and have the following comments to be addressed before I go on to review the rest:

1. The freshwater casing is only 9' from elevation, we can approve that but I just wanted to point it out in case you want to maybe shorten to around 1100'
2. There is a Lease meme enclosed for lease 1300 and I have no idea which tract it addresses. Also, it is not fully executed.

Please take a look at the other applications submitted for this pad and see if these items need to be addressed on those when sending in information for this one.

Let me know if you have questions or need additional information.

Best,

Laura

**Laura L. Adkins**

Environmental Resource Specialist III  
Permit Review  
WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
304-926-0499 ext. 1495

**THE ITEMS REQUESTED IN THIS EMAIL WILL NEED TO BE RECEIVED BY THE OFFICE OF OIL AND GAS WITHIN 20 DAYS TO AVOID THE PERMIT APPLICATION BEING RETURNED. IF AN OPERATOR WISHES TO RESUBMIT AN APPLICATION THAT HAS BEEN RETURNED, THE OPERATOR IS REQUIRED TO COMPLETE AND SUBMIT NEW FORMS, MYLAR PLAT AND ASSOCIATED FEES.**

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1622-95

**MEMORANDUM OF LEASE  
(West Virginia)**

**Lease No. 10300**

**THIS MEMORANDUM OF LEASE** (this "Memorandum") is made and entered into effective as of the 26<sup>th</sup> day of March, 2018 (the "Effective Date"), by and between Clark Donley Stiles, a single man, with an address at 3305 Kim Street, Parkersburg, WV 26104 ("Lessor"), and CNX Gas Company LLC, a Virginia limited liability company, with an address at 1000 CONSOL Energy Drive, Canonsburg, Pennsylvania 15317-6506 ("Lessee") (each a "Party," and together the "Parties").

WHEREAS, Lessor and Lessee have entered into a certain Oil and Gas Lease further described below (the "Lease") whereby Lessor has leased to Lessee certain oil and gas estates, interests and appurtenant rights more particularly described below and in the Lease; and

WHEREAS, in lieu of recording the Lease, the Parties have executed, acknowledged and delivered this Memorandum for recordation pursuant to W.Va. Code § 40-1-8 et seq.

NOW, THEREFORE, Lessor and Lessee, intending to be legally bound, hereby publish and give notice of the tenancy created and certain of the rights granted by and obligations under the Lease, as follows:

**1. NAME AND ADDRESS OF LESSOR:**

Clark Donley Stiles  
3305 Kim Street  
Parkersburg, WV 26104

**2. NAME AND ADDRESS OF LESSEE:**

CNX Gas Company LLC  
1000 CONSOL Energy Drive  
Canonsburg, PA 15317

**3. DATE OF LEASE EXECUTION/EFFECTIVE DATE:**Date of execution of Lease: March 26, 2018Effective Date of Lease: March 26, 2018**4. DESCRIPTION OF SUBJECT PREMISES:**

Lessor hereby grants and leases exclusively to Lessee, its successors and assigns, all the oil, gas, and their liquid and/or gaseous constituents, whether hydrocarbon or non-hydrocarbon and all other substances produced therewith (collectively, whether any of the foregoing, the "Leased Oil/Gas") from all subsurface strata, formations, voids, and zones between the depth of 200' above the Rhinestreet Formation and 200' below the Trenton Limestone Formation underlying the Leased Premises (as defined in Section 2 of this Lease), together with a non-exclusive subsurface easement through all formations for the purpose of accessing, exploring, developing, and producing the Leased Oil/Gas. Lessor hereby grants and leases exclusively to Lessee all rights necessary, convenient, or incident to explore, drill, develop, produce, treat, transport and market Leased Oil/Gas and otherwise operate on and about the Leased Premises and any lands pooled or unitized therewith (being a Unit as defined and discussed in Section 7 of this Lease) using all available methods and techniques under current and future technology, including, without limitation, the following rights: to have full and free access over and through the Leased Premises; to conduct geological, geophysical, core drilling and other exploratory work; to drill, re-drill, lengthen, re-work, stimulate, fracture, plug, remove and/or abandon vertical or horizontal wells, and to inject under pressure water, air, brine and other fluids and substances (including, without limitation, non-domestic water from the Leased Premises, free of cost) into subsurface strata and/or withdraw the same therefrom; to erect and operate drill sites and drilling rigs and related facilities to treat, separate, compress, dehydrate, process, gather, and measure and shut-in Leased Oil/Gas, together with all other equipment, structures and facilities that Lessee deems desirable for use in its operations; to construct, use and operate roads, utility lines, canals, impoundments and pits; to install and operate pipelines, tanks, pumps, compressors, condensers and other equipment and facilities for use in transporting Leased Oil/Gas from the Leased Premises and from other lands, over and through the Leased Premises (all of the foregoing activities are collectively referred to herein as "Operations"); and to have and enjoy all rights and privileges reasonably necessary or appropriate to effectuate the purposes of this Lease. The premises being leased hereunder is located in the District of Battelle, in the County of Monongalia, in the State of West Virginia, including lands acquired by deed from James B. Stiles and Doris J. Stiles, his wife; Darwin C. Stiles and Margaret A. Stiles, his wife; Barbara S. Myers, single; Josephine S. Rush and Zane L. Rush, her husband; Kathleen J. Vassalo and James J. Vassalo, her husband; Clark T. Stiles and Sara Stiles, his wife, by instrument dated August 8<sup>th</sup>, 1990, and recorded in Book 1019, Page 60, and Property Tax Parcel Identification No. 31-1-3-1, containing approximately 28 acres, for all purposes of this Lease whether actually more or less and whether the tax

map is correct, including small strips or parcels of contiguous land covered under Lessor's source of title (collectively, the "Leased Premises").

**5. TERM OF LEASE:**

A. Primary Term. This Lease shall remain in force for a term of five (5) years following the Effective Date (the "Primary Term").

B. Secondary Term. This Lease shall remain in full force and continue following the Primary Term as to the entirety of the Leased Premises for so long thereafter as any of the following circumstances exist (such period, the "Secondary Term"): (i) Lessee is conducting any Operations on the Leased Premises or any lands pooled or unitized therewith (being a Unit as defined and discussed in Section 7 of this Lease); (ii) any of the Leased Oil/Gas are being produced from the Leased Premises or any lands pooled or unitized therewith (being a Unit); (iii) any well on the Leased Premises or on any lands pooled or unitized therewith (being a Unit) is Shut-In (as defined and discussed in Section 4(C) of this Lease); or (iv) this Lease is otherwise extended by Force Majeure (as defined and discussed in Section 10(A) of this Lease), Equitable Tolling (as defined and discussed in Section 10(B) of this Lease), or other terms hereof. The Primary Term (as it may be extended hereunder) and the Secondary Term are collectively referred to herein as the "Term."

**6. RENEWAL OR EXTENSION RIGHTS:**

None

**7. RIGHT OF PURCHASE, RIGHT OF FIRST REFUSAL AND/OR OPTIONS:**

In the event that Lessor receives from any third party any bona fide offer to grant an additional oil and/or gas lease covering all or part of the Leased Premises within the Term, Lessor shall provide Lessee with a written notice of such offer by certified mail, including the proposed lessee's name, bonus consideration and royalty consideration, and a true, correct and complete copy of the proposed lease. Lessee shall have ninety (90) days following receipt of such written notice to elect to exercise a right of first refusal, in Lessee's sole and absolute discretion, to enter into an oil and gas lease with Lessor on the same terms and conditions as set forth in the proposed lease. Should Lessee so elect, Lessee shall notify Lessor in writing within such ninety (90) day period and submit therewith a lease with Lessee containing the same terms and conditions and, if so desired by Lessee, a memorandum of such lease for recordation. Within ten (10) days after receipt of such signed lease and memorandum of lease (if any) back from Lessor, Lessor shall counter-sign and return such lease and memorandum of lease (if any) to Lessee together with the bonus payment required under such lease. No single exercise of the foregoing right of first refusal shall exhaust any rights granted hereunder to subsequent



offers covering all or any part of the Leased Premises. Any additional lease granted to any third party by Lessor in violation of the provisions of this Section 14 shall be null and void. The provisions of this Section 14 shall not be deemed to waive, nullify or otherwise affect Lessee's right to extend the Primary Term pursuant to Section 3(A) of this Lease.

**8. EXECUTION:**

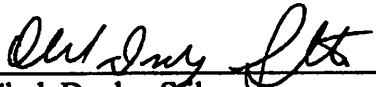
This Memorandum may be executed in any number of counterparts, each having the same validity and all of which shall constitute but one and the same instrument.

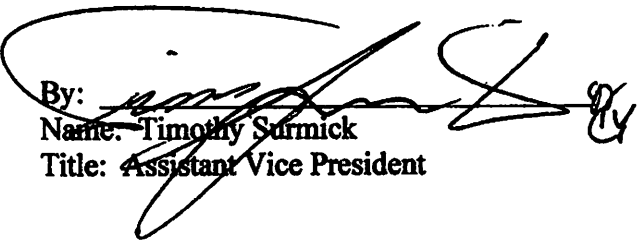
**THIS MEMORANDUM IS NOT A COMPLETE SUMMARY OF THE LEASE. IN THE EVENT OF A CONFLICT BETWEEN THE TERMS OF THIS MEMORANDUM AND THOSE OF THE LEASE, THE TERMS OF THE LEASE SHALL CONTROL.**

**IN WITNESS WHEREOF**, Lessor and Lessee, intending to be legally bound, have executed this Memorandum effective as of the Effective Date (whether executed by either Party on, before or after the Effective Date).

**LESSOR:**

**LESSEE:**  
CNX Gas Company LLC

  
\_\_\_\_\_  
Clark Donley files

By:   
Name: Timothy Surnick  
Title: Assistant Vice President

ACKNOWLEDGMENTS

[Individual Lessor]  
STATE/Commonwealth of West Virginia  
County of Wood

The foregoing instrument was acknowledged before me on the 20<sup>th</sup> day of March, 2018 by Clark Donley Stiles, a single man, whose name(s) is/are signed hereto.

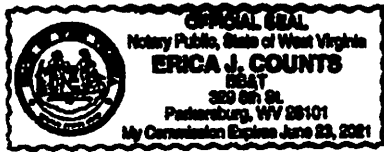
In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

Erica J. Counts

NOTARY PUBLIC

My commission expires June 23, 2021



[CNX]  
COMMONWEALTH OF PENNSYLVANIA  
County of Washington

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of April, 2018 by Timothy Surmick, who acknowledged himself to be the Assistant Vice President of CNX Gas Company LLC, a Virginia limited liability company, and that he as such, being authorized to do so, executed the foregoing instrument on behalf of CNX Gas Company LLC.

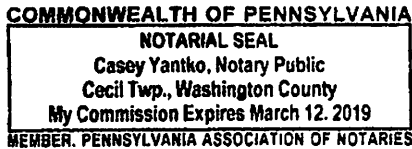
In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

Casey Yantko

NOTARY PUBLIC

My commission expires 3-12-2019



09/28/2018

**Adkins, Laura L**

---

**From:** Brewer, Charles T  
**Sent:** Thursday, August 30, 2018 12:39 PM  
**To:** Adkins, Laura L  
**Cc:** ErikaWhetstone@cnx.com  
**Subject:** Fwd: Hold Request

Hold

Laura, can you please see that these go on hold?

Sent from my iPhone

Begin forwarded message:

**From:** "Whetstone, Erika" <[ErikaWhetstone@cnx.com](mailto:ErikaWhetstone@cnx.com)>  
**Date:** August 30, 2018 at 9:42:58 AM EDT  
**To:** "Brewer, Charles T ([Charles.T.Brewer@wv.gov](mailto:Charles.T.Brewer@wv.gov))" <[Charles.T.Brewer@wv.gov](mailto:Charles.T.Brewer@wv.gov)>  
**Subject:** Hold Request

Hi Taylor,

I would like to request that the WV DEP hold the two applications listed below. There is some discussion here at CNX regarding changes to these wells and I'm sure you have other applications to review in their place. I will let you know within the next 2 weeks if we would like you to resume your review or if we would like to withdraw them.

WDTN5AHSU API# 47-061-01805  
WDTN5CHSU API# 47-061-01807

If you have any questions, just let me know. Please continue your review of WDTN5HBHSU as we are not anticipating changes to that application.

Thanks,  
Erika

**Erika Whetstone**  
CNX | Permitting Manager WV/OH  
CNX Center | 1000 CONSOL Energy Drive | Canonsburg, PA 15317  
(724) 485-4035 –w | (724) 317-2224 –m



[cnx.com](http://cnx.com)

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09/28/2018

**Adkins, Laura L**

---

**From:** Adkins, Laura L  
**Sent:** Thursday, August 30, 2018 11:30 AM  
**To:** 'Hoon, Raymond'  
**Subject:** WDTN5CHSU

Ray,

I have reviewed one of the WDTN5s as referenced above and have the following comments to be addressed before I go on to review the rest:

1. The freshwater casing is only 9' from elevation, we can approve that but I just wanted to point it out in case you want to maybe shorten to around 1100'
2. There is a Lease meme enclosed for lease 1300 and I have no idea which tract it addresses. Also, it is not fully executed.

Please take a look at the other applications submitted for this pad and see if these items need to be addressed on those when sending in information for this one.

Let me know if you have questions or need additional information.

Best,

Laura

**Laura L. Adkins**

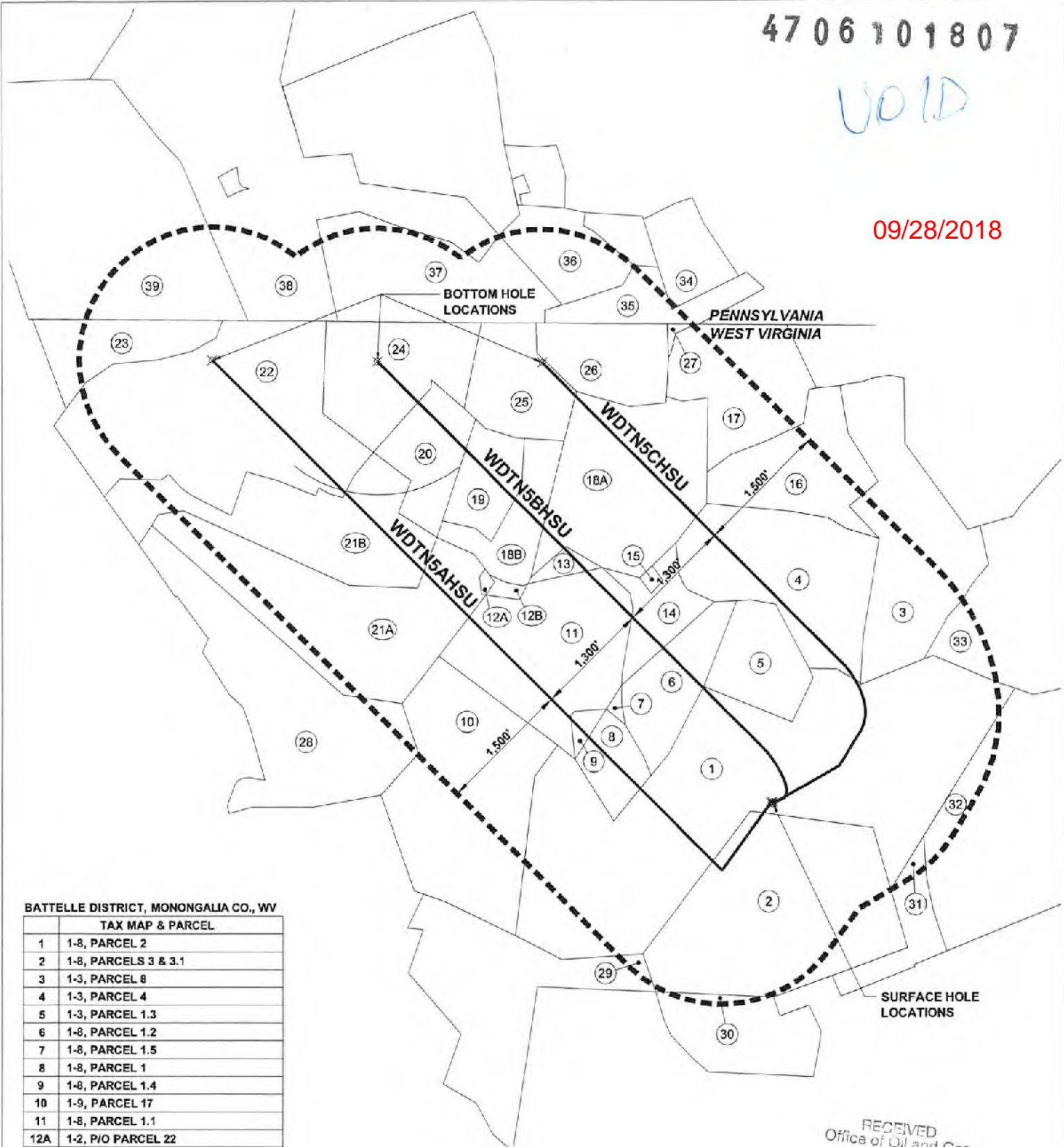
Environmental Resource Specialist III  
Permit Review  
WVDEP Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
304-926-0499 ext. 1495

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4706101807

VOID

09/28/2018



BATTELLE DISTRICT, MONONGALIA CO., WV

TAX MAP & PARCEL	
1	1-8, PARCEL 2
2	1-8, PARCELS 3 & 3.1
3	1-3, PARCEL 8
4	1-3, PARCEL 4
5	1-3, PARCEL 1.3
6	1-8, PARCEL 1.2
7	1-8, PARCEL 1.5
8	1-8, PARCEL 1
9	1-8, PARCEL 1.4
10	1-9, PARCEL 17
11	1-8, PARCEL 1.1
12A	1-2, P/O PARCEL 22
12B	1-2, P/O PARCEL 22
13	1-2, PARCEL 24
14	1-8, PARCEL 3.1
15	1-3, PARCEL 3
16	1-3, PARCEL 5
17	1-3, PARCEL 6
18A	1-3, P/O PARCEL 2
18B	1-3, P/O PARCEL 2
19	1-2, PARCEL 21
20	1-2, PARCELS 18 & 18.1
21A	1-2, PARCELS 16, 16.2, 17, & 17.1
21B	1-2, PARCELS 17 & 17.1
22	1-2, PARCEL 14
23	1-2, PARCEL 13
24	1-2, PARCEL 19
25	1-2, PARCEL 20

GILMORE TOWNSHIP, GREENE CO., PA

TAX MAP & PARCEL	
26	1-3, PARCEL 1
27	1-3, PARCEL 1.1
28	1-9, PARCEL 16
29	1-9, PARCEL 41
30	1-8, PARCEL 5
31	1-8, PARCEL 14
32	1-8, PARCEL 17
33	1-3, PARCEL 9
34	9-4, P/O PARCEL 106
35	9-4, P/O PARCEL 106
36	9-3, PARCEL 142
37	9-3, PARCEL 141
38	9-3, PARCEL 138
39	9-3, PARCEL 136

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

— WDTN5 UTICA WELL  
 LIMITS OF 1500' WELL BUFFER



**Wadestown Project Area**  
**WDTN5AHSU, WDTN5BHSU & WDTN5CHSU**  
**Horizontal Utica Wells**  
**Operators within 1,500 Feet of Boreholes**  
 Battelle District, Monongalia County, WV  
 Gilmore Township, Greene County, PA

1000 Consol Energy Drive  
 Canonsburg, PA. 15317-6506  
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Orig. Date: 03/15/18	Prepared by: JJD
Rev. Date:	Checked by:
Rev. Date:	Approved by:
Comments:	

(Scale in feet)

09/28/2018

XXXX Laterals- Utica Operator Notices

Tract #	Title #	TMP #	Utica Operator/Owner	Address
1	189010000	1-8-2	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
2	204769000	1-8-3, 1-8-3.1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
3	204500000	1-3-8	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
4	204500000	1-3-4	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
5	239934000	1-3-1.3	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
6	205005000	1-8-1.2	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
7	204774000	1-8-1.5	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
8	204516000	1-8-1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
9	204776000	1-8-1.4	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
10	188599000	1-9-17	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
11	188587000	1-8-1.1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
12A	188584000	P/O 1-2-22	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
12B	188584000	P/O 1-2-22	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
13	188585000	1-2-24	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
14	204775000	1-3-3.1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
15	239940000	1-3-3	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
16	239939000	1-3-5	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
17	239939000	1-3-6	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
18A	205498000	P/O 1-3-2	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			Victor A. White	78 Bedington Rd, Martinsburg, WV 25404
			Melinda Reid Hatton	1618 N. Lexington St. Apt. 3A, Arlington, VA 22205
			Dennis F. Hatton Jr.	7615 Glenolden Place, Manassas, VA 20111
18B	204777000	P/O 1-3-2	Amanda Hatton	7615 Glenolden Place, Manassas, VA 20111
			CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			Victor A. White	78 Bedington Rd, Martinsburg, WV 25404
			Melinda Reid Hatton	1618 N. Lexington St. Apt. 3A, Arlington, VA 22205
19	204778000	1-2-21	Dennis F. Hatton Jr.	7615 Glenolden Place, Manassas, VA 20111
			Amanda Hatton	7615 Glenolden Place, Manassas, VA 20111
20	188580000 204779000	1-2-18, 1-2-18.1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			Kent P. Prochazka	3121 English Oaks Blvd., Pearland, TX 77584
21A	188578000	1-2-16, 1-2-16.2, 1-2-17, & 1-2-17.1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			EQT Production Company	625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222
			XTO Energy, Inc.	810 Houston St., Ft. Worth, TX 76102
			Kelly Dillbeck	288 Milkweed Dr., Allentown, PA 18104
			John Pelger	1863 W 16th Ave, Friendship, WI 53934
21B	239935000	1-2-17, 1-2-17.1	Holly Pelger	1863 W 16th Ave, Friendship, WI 53934
			CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			EQT Production Company	625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222
			XTO Energy, Inc.	810 Houston St., Ft. Worth, TX 76102
			Kelly Dillbeck	288 Milkweed Dr., Allentown, PA 18104
22	188577000	1-2-17, 1-2-17.1	John Pelger	1863 W 16th Ave, Friendship, WI 53934
			Holly Pelger	1863 W 16th Ave, Friendship, WI 53934
			CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			EQT Production Company	625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222
			XTO Energy, Inc.	810 Houston St., Ft. Worth, TX 76102
23	188610000	1-2-13	Kelly Dillbeck	288 Milkweed Dr., Allentown, PA 18104
24	204780000	1-2-19	John Pelger	1863 W 16th Ave, Friendship, WI 53934
25	239936000	1-2-20	Holly Pelger	1863 W 16th Ave, Friendship, WI 53934
26	239937000	1-3-1	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
27	258434000	1-3-1.1	Cynthia Solomon	1301 University Ave., Morgantown, WV 26505
28	188598000	1-9-16	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			XTO Energy, Inc.	810 Houston St., Ft. Worth, TX 76102
			CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			Regis V. Provance and Bonnie M. Provance	384 Park St., Uniontown, PA 15401
			Gail T Belucci	11 Garfield Ave., North Haven, CT 06473

APR 6 2018

VALID 09/28/2018

29	204517000	1-9-41, 1-9-44	Bank of Oklahoma trustee of the Alma E Kirkland Revocable Living Trust	5956 Sherry Lane, Suite 700, Dallas, TX 75225
			Morgan Haning	50 Vista Ave. Wheeling, WV 26003
			Anne W. Haning	2 America Ave., Wheeling, WV 26003
			Catherine G. Haning	99 Lynwood Ave., Wheeling, WV 26003
			Zachary C. Haning	3354 Palmer Drive, Rocky River, OH 44116
			Barbara Haning	10801 Westland Dr., Knoxville, TN 37922
			Kathleen Farmer	1912 Clark Ln. Apt. 1. Redondo Beach, CA 90278
			A.E. Hennen III	472 Kenilworth Ave., Elmhurst, IL 60126
			John K. Hennen	542 E. 12th St., Cincinnati, OH 45202
			David Michael Hennen	9 Memminger Ave., Wheeling, WV 26003
			Mary Hennen	53 Monroe Ave., Wheeling, WV 26003
			Robert Douglas Hennen	1975 Louisa Ave., Wheeling, WV 26003
			Estate of Florence H. North	55 Woodland Dr., Brightwaters, NY 11718
			Patrick Lee North	55 Woodland Dr., Brightwaters, NY 11718
			Diane H. Goncalves	407 Ackerson Blvd., Brightwaters, NY 11718
			J.P. Morgan Chase Bank as Trustee for the Joan McLure Casey Trust Agreement dated 9/8/1967	1114 Market St., Wheeling, WV 26003
			Barbara Thomas	125 Meeting Ave., Georgiana, AL 36033
			Betty Macale	2834 8th St., Cuyahoga Falls, OH 44221
			Jane Fulton	106 Aspen Hollow Ct., Cary, NC 27518
			Faye Arnold Buckley	7410 Catboat Ct., Fishers, IN 46038
			Jerry R. Haines II	302 E. Lincoln Way, Lisbon, OH 44432
			Shawn Ryan Haines	53 Horseshoe Cir., Stuarts Draft, VA 24477
			Michelle B. Haines	18 Winter Ln., Waynesboro, VA 22980
			Terri Attinger	8 Delaware Dr., Chico, CA 95973
			Tonya Huntoon	P.O. Box 884, Hamilton City, CA 95951
			Jerilyn R. Baucum	6934 Meadow Wood Trl., Redding, CA 96001
			Julie Griffis	6 Cecil Pl., Chico, CA 95928
			Carlos Saucedo	1450 Springfield Dr. Apt 97, Chico, CA 95928
			Ezra Charles McDaniel	1428 Davis St., Chico, CA 95928
			Patrick James Saucedo	P.O. Box 378, Hamilton City, CA 95951
			William Lee Haines Jr.	44 W. Carol St., Alliance, OH 44601
			Kathleen Haines Costner	755 Rock Hill Rd., Fayetteville, NC 28312
Lisa Craig	504 Bonnie Dr., Harker Heights, TX 76548			
Phillip Ronald Laws	462 Bill West Rd., Limestone, TN 37681			
Glynis Lane Marion	127 Chapel St., Greenville, TN 37743			
Larry J. Miller, Jr.	114 Cox Cir., Apt. B, Greenville, TN 37743			
Pat Miller	13108 Kumar Ct., Woodbridge, VA 22193			
Kris Laws Miller	15118 Concord Dr., Woodbridge, VA 22193			
Raymond Wayne Frye	264 Moore Rd. Apt. 5E, Avon Lake, OH 44012			
Rosalie Capshaw	2171 Lake Rd., Akron, OH 44312			
Dorothy Hammer	901 Benton St., Bonham, TX 75418			
Jean Banks	484 6th St., Cedartown, GA 30125			
David Haines	2299 Winter Pkwy Apt. 263, Cuyahoga Falls, OH 44221			
Constance A. Corey	8432 MacThomas NW, North Canton, OH 44720			
30	189011000	P/O 1-8-5	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			Kenneth W. Efaw and Donna P. Efaw	509 Wise Run Rd., Wana, WV 26590
31	204993000	1-8-14	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
			John C. Wise, Jr.	4545 Township Road 232, Marengo, OH 43334
32	204760000	1-8-17	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
33	204496000	1-3-9	CNX Gas Company LLC	1000 CONSOL Energy Drive, Canonsburg, PA 15317
34	239956000	P/O 9-4-106 (PA)	Jeffery L. Rode and Sheila S. Rode	190 Crabapple Valley Rd., New Freeport, PA 15352
			Ralph H. Jones, Jr. and Alberta R. Jones	1190 Jollytown Rd., New Freeport, PA 15352
35	239956000	P/O 9-4-106 (PA)	Jeffery L. Rode and Sheila S. Rode	190 Crabapple Valley Rd., New Freeport, PA 15352
			Ralph H. Jones, Jr. and Alberta R. Jones	1190 Jollytown Rd., New Freeport, PA 15352
36	239955000	9-3-142 (PA)	EQT Production Company	625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222
37	239941000	9-3-141 (PA)	EQT Production Company	625 Liberty Ave., Suite 1700, Pittsburgh, PA 15222
38	239942000	9-3-138, 9-3-138A (PA)	Energy Corporation of America	500 Corporate Landing, Charleston, WV 25311
39	204518000	9-3-136 (PA)	Vantage Energy Appalachia LLC	116 Inverness Drive East, Suite 107, Englewood, CO 80112
			Vantage Energy Appalachia II LLC	116 Inverness Drive East, Suite 107, Englewood, CO 80112



<b>Unleased Owners</b>
<b>Unit Name: WDTN5CHSU</b>

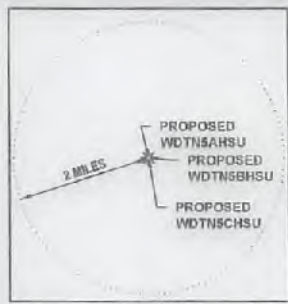
<b>QLS #</b>	205498000		
<b>Tract ID</b>	10		
<b>TMP</b>	1-3-2		
<b>Total % of Tract Non-CNX Controlled</b>	2.72109%		
<b>Unleased Owners</b>	<b>% of Tract Owned</b>	<b>% of Unit</b>	<b>Reason Unleased</b>
Victor A. White	1.36054%	0.26887%	Declined Offer
Melinda R. Hatton	0.68027%	0.13443%	Declined Offer
Dennis F. Hatton Jr.	0.34014%	0.06722%	Declined Offer
Amanda Hatton	0.34014%	0.06722%	Declined Offer

<b>QLS #</b>	204777000		
<b>Tract ID</b>	11		
<b>TMP</b>	1-3-2		
<b>Total % of Tract Non-CNX Controlled</b>	5.44216%		
<b>Unleased Owners</b>	<b>% of Tract Owned</b>	<b>% of Unit</b>	<b>Reason Unleased</b>
Victor A. White	2.72108%	0.00920%	Declined Offer
Melinda R. Hatton	1.36054%	0.00460%	Declined Offer
Dennis F. Hatton Jr.	0.68027%	0.00230%	Declined Offer
Amanda Hatton	0.68027%	0.00230%	Declined Offer

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

SHL is located on topo map 660 feet south of Latitude: 39° 42' 30"  
 BHL is located on topo map 10,860 feet south of Latitude: 39° 45' 00"

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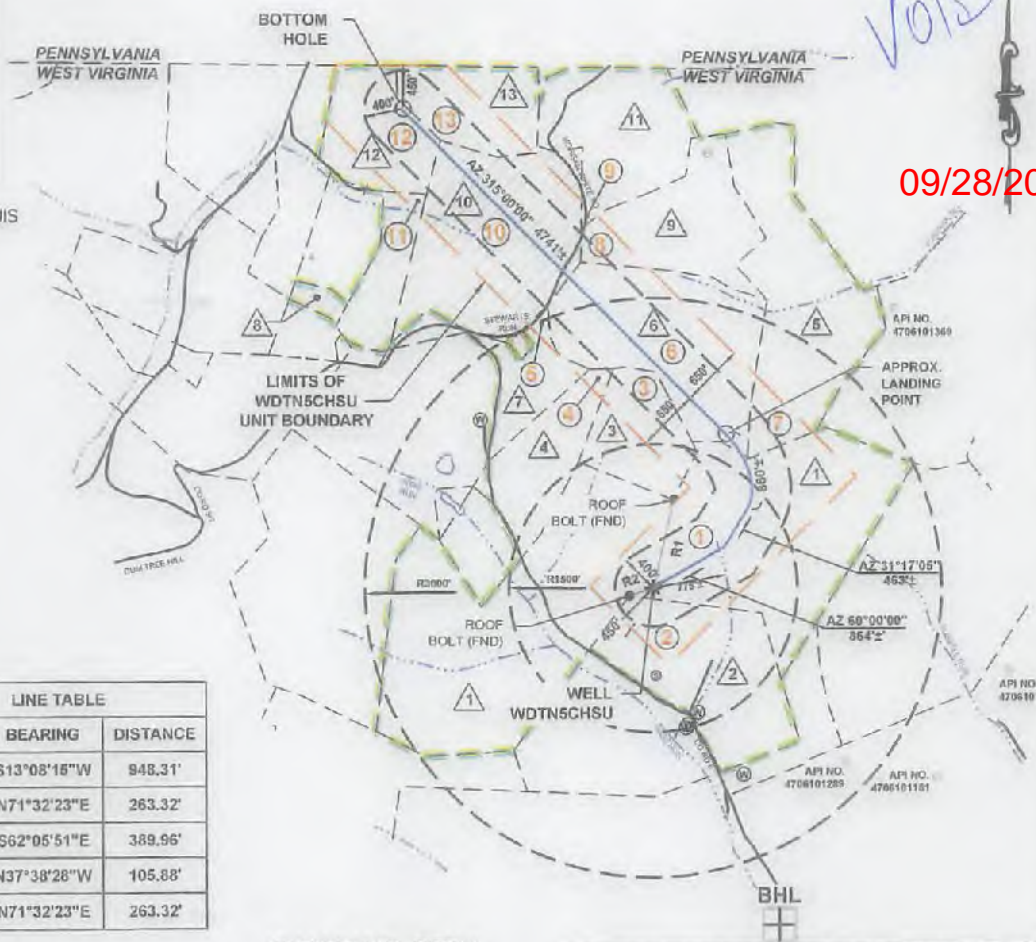
DETAIL  
 UTICA WELLS WITHIN 2 MILE RADIUS  
 SCALE 1" = 15,000'

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395394.759  
 E: 558827.076  
 NAD27 - WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
 LAT: 39°42'23.475"  
 LON: 80°20'13.543"

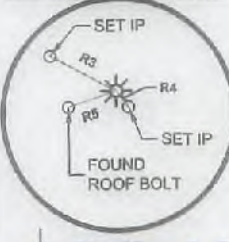
**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395886.340  
 E: 557050.785  
 NAD27 - WV NORTH  
 N: 442111.760  
 E: 1765190.691  
 LAT/LON - NAD83  
 LAT: 39°42'39.368"  
 LON: 80°20'03.996"

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396890.733  
 E: 556012.314  
 NAD27 - WV NORTH  
 N: 445454.425  
 E: 1761838.031  
 LAT/LON - NAD83  
 LAT: 39°43'12.191"  
 LON: 80°20'47.299"

LINE #	BEARING	DISTANCE
R1	S13°08'16"W	948.31'
R2	N71°32'23"E	263.32'
R3	S62°05'51"E	389.96'
R4	N37°38'28"W	105.88'
R5	N71°32'23"E	263.32'



**REFERENCE DETAIL**



MINERAL TRACT BOUNDARY = 673.781 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

**LEGEND**

	TOPO MAP POINT		ALL ARE POINTS UNLESS OTHERWISE NOTED
	PROPOSED WELL		LEASE BOUNDARY
	WATER SOURCE		UNIT BOUNDARY
	SPRING		PROPOSED HORIZONTAL WELL
	SURFACE TRACT		SURFACE, OIL & GAS LINES
	LEASED NUMBER BASED ON ATTACHED WDN5C		SURFACE TRACT LINES ONLY
	WELLS WITHIN 3000' RECORD GAS WELL		GAS LEASE LINES ONLY
			WELL REFERENCE
			STREAM/WATERWAY
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			FORCED POOLING AREAS

**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING  
 1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: info@shefflerco.com

- NOTES**
- There are no water wells or developed springs within 250' of proposed well
  - There are no existing buildings within 625' of proposed well
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake
  - There are no native trout streams within 300' of proposed well
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted

FILE # WDTN5IHSM  
 DRAWING # 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY 1/2500  
 PROVEN SOURCE USGS MONUMENT JX1864: 1,496.32'

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.

SIGNED: [Signature]  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED DUNKARD CREEK ELEVATION 1412'  
 COUNTY/DISTRICT MONONGALIA / BATTELLE QUADRANGLE WADESTOWN, WV  
 SURFACE OWNER JOHN M. WISE, ET UX., ET AL. ACREAGE 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINY PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

DATE: April 3, 2018  
 OPERATOR'S WELL #: WDTN5CHSU  
 API WELL # 47 061 01807  
 STATE COUNTY PERMIT



VOID

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: April 3, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL #	<u>47</u>	<u>061</u>	
	STATE	COUNTY	PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36

OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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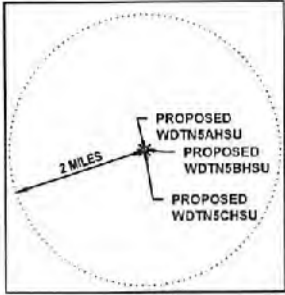
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 SCALE 1" = 15,000'

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 NAD27, WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
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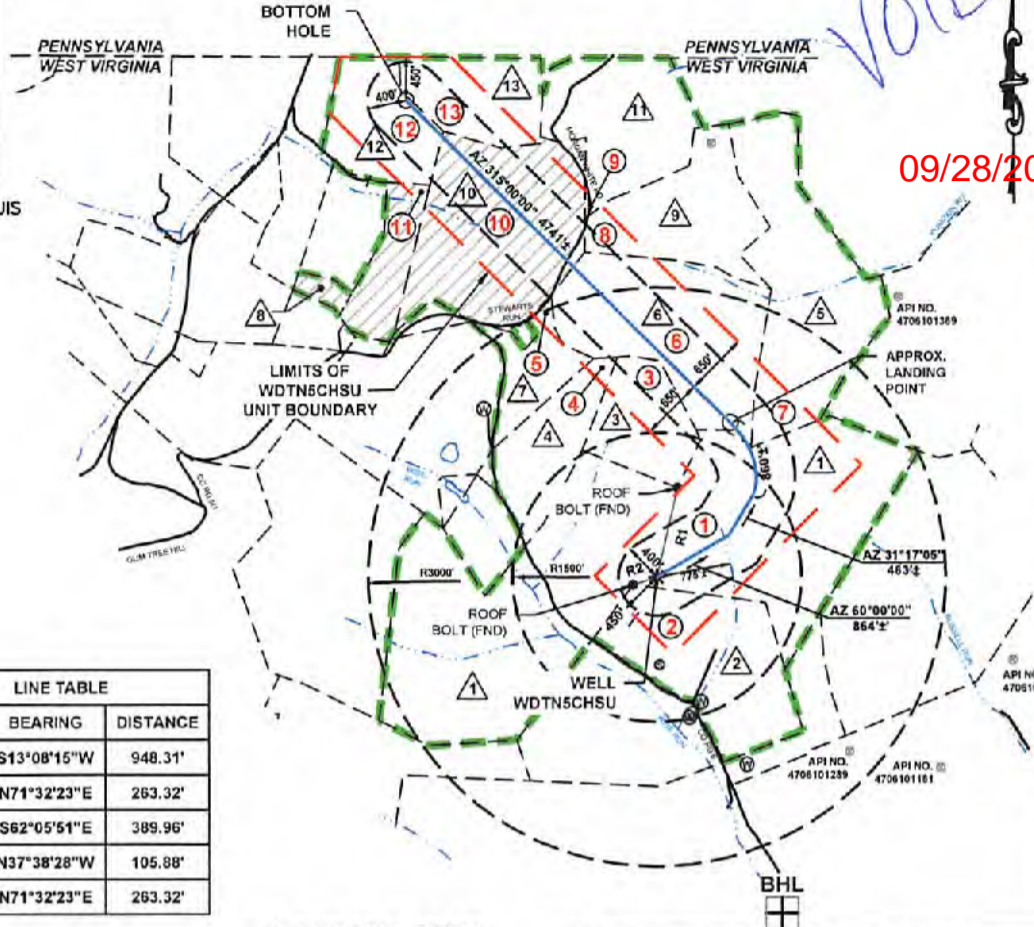
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 NAD27, WV NORTH  
 N: 445464.425  
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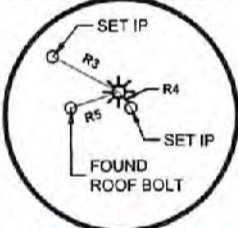
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09/28/2018

**LINE TABLE**

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**REFERENCE DETAIL**



MINERAL TRACT BOUNDARY = 673.784 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

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  2. There are no existing buildings within 625' of proposed well.
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	LEASED NUMBER BASED ON ATTACHED WDTNSC		SURFACE TRACT LINES ONLY
	WELLS WITHIN 3000' RECORD GAS WELL		GAS LEASE LINES ONLY
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			ROAD
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 1712 Mount Nebo Road  
 Sewickley, PA 15143  
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 Email: info@shefflerCo.com

FILE #: WDTN5IHSM  
 DRAWING #: 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
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SIGNED:

R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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TARGET FORMATION: POINY PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

DATE: April 3, 2018  
 OPERATOR'S WELL #: WDTN5CHSU  
 API WELL # 47 061  
 STATE COUNTY PERMIT

WDTNSCHSU UNIT = 233.162 ACRES TOTAL		
BATTELLE DISTRICT		
#	TAX MAP & PARCEL	UNIT ACRES
1	1-8, P/O PARCEL 2	60.461 Ac
2	1-8, P/O PARCEL 3.1	9.633 Ac
3	1-8, P/O PARCEL 1.3	12.585 Ac
4	1-8, P/O PARCEL 1.2	1.323 Ac
5	1-3, P/O PARCEL 3.1	1.653 Ac
6	1-3, P/O PARCEL 4	49.078 Ac
7	1-3, P/O PARCEL B	9.904 Ac
8	1-3, P/O PARCEL 5	4.744 Ac
9	1-3, P/O PARCEL 6	0.574 Ac
10	1-3, P/O PARCEL 2	48.077 Ac
11	1-3, P/O PARCEL 2	0.788 Ac
12	1-2, P/O PARCEL 20	22.145 Ac
13	1-3, P/O PARCEL 1	16.339 Ac

**SURFACE TRACT OWNERS & TAX PARCEL**

1.	DINA M WISE ET AL	1-8-2
2.	BARBARA J WAGNER	1-8-3.1
3.	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART	1-8-1.3
4.	DAVID W & ELIZABETH K DEATON	1-8-1.2
5.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-8
6.	JAMES EDWARD & EARL LYNN TAYLOR	1-3-4
7.	STEVEN M MACYDA	1-3-3.1
8.	ROY LEE JR & ERICA E. HALL	1-2-21
9.	DENNIS & ROSE THOMAS	1-3-5
10.	CONSOL MINING COMPANY LLC	1-3-2
11.	DENNIS & ROSE THOMAS	1-3-6
12.	ROY L HALL	1-2-20
13.	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES	1-3-1

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard W. Wise	DINA M WISE ET AL
		Donald Wise	
		Thomas E. McCauley	
		Richard L. McCauley	
		Judy A. Eckman	
		Robert Stewart	
		Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	
		Clifford J. Wise	
		Regina Wise Myers AKA Violet Regina Myers	
		Eleanor J. Wise	
		Walter C. Ord	
		James Freeman Stewart	
		Victor E. Wise	
		Zelda Ruth Brummage	
		Evalee A. Everly Shaheen	
		Dexter Murlie Stewart	
		Justin P. Stewart	
		Annette E. Stewart	
		Debora Goff	
		Walter R. Currence	
		Maureen S. Currence	
		Michelle L. Currence	
		Phyllis J. Petrosky	
		Jesse D. Jones	
		Harold M. Jones, Jr.	
		Fred C. Wise and Alice F. Wise	
		Linda Stapp	
		Richard A. Nunley and Diana K. Nunley	
		Patricia J. Mumaw and Richard L. Mumaw	
		Donald E. Nunley	
		Mary Nunley Stoppelton and Donald Stoppelton	
		Jane Irons	
		Melissa Bookout	
		Eileen Ann Lyle	
		Robert Eugene Michael, Sr. and Darlene Ann Michael	
		Frank Dennis Michael, Jr. and Mary Frances Michael	
Evelyn June Michael			
Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin			
Boyd Hawkins and Kar J. Hawkins			
Becky Bortnick Hawkins			
2	1-8-3.1	Barbara J. Wagner	BARBARA J WAGNER
		Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust	
3	1-8-1.3	Arnold D. Anderson, individually, and as Trustee of the Arnold D. Anderson and Barbara J. Anderson Living Trust UTD May 14th, 2008	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART
		CBC Holdings, LLC	
4	1-8-1.2	Edward L. Thomas and Diana Lee Thomas	DAVID W & ELIZABETH K DEATON
		David Wayne Thomas	
5	1-3-3.1	Dorothy L. Stewart and Harold L. Stewart Jr.	STEVEN M MACYDA
		Earl W. Kennedy	
6	1-3-4	Earl W. Kennedy	JAMES EDWARD & EARL LYNN TAYLOR
		CBC Holdings, LLC	
7	1-3-8	David W. Deaton and Elizabeth K. Deaton	JAMES EDWARD & EARL LYNN TAYLOR
		Earl W. Kennedy	
8	1-3-5	CBC Holdings, LLC	DENNIS & ROSE THOMAS
		Steven M. Macyda	
9	1-3-6	Earl W. Kennedy	DENNIS & ROSE THOMAS
		James Edward Taylor	
10	1-3-2	Earl Lynn Taylor	CONSOL MINING COMPANY LLC
		Harland Thomas and Rose Marie Thomas	
11	1-3-2	David E. Thomas	CONSOL MINING COMPANY LLC
		Marylou Dixon	
12	1-3-2	James Edward Taylor	CONSOL MINING COMPANY LLC
		Earl Lynn Taylor	
13	1-3-2	Rose Thomas	CONSOL MINING COMPANY LLC
		Rose Thomas	
10	1-3-2	David Charles White and Regina Sue White	CONSOL MINING COMPANY LLC
		Lucy Mae Sticklely	
		Marian R. Stone Garrett	
		Patricia K. W. Hoekstra	
		Richard H. Benson, II	
		Alvy S. White	
		Anita Talbott	
		Karen I. Meyers	
		Carol S. White Davis	
		Edwin R. White II	
		Robert Tate Jr.	
		Frederick Tate	
		Timothy Tate Jr.	

WOD  
09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
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OFFICE OF OIL & GAS  
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RECEIVED  
APR 6 2018  
WV Department of Environmental Protection

DATE: April 3, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
STATE COUNTY PERMIT

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
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Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
10 (CONT.)	1-3-2	Alex Tate	CONSOL MINING COMPANY LLC
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
		Donald E. Stone	
		Doris Jean White	
		Victor A. White (2/147)	
		Melinda Reid Hatton (2/294)	
		Dennis F. Hatton Jr. (2/588)	
		Amanda Hatton (2/588)	
11	1-3-2	David Charles White and Regina Sue White	CONSOL MINING COMPANY LLC
		Lucy Mae Stickley	
		Marian R. Stone Garrett	
		Patricia K. W. Hoekstra	
		Richard H. Benson, II	
		Alvy S. White	
		Anita Talbott	
		Karen I. Meyers	
		Carol S. White Davis	
		Edwin R. White II	
		Robert Tate Jr.	
		Frederick Tate	
		Timothy Tate Jr.	
		Alex Tate	
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
Donald E. Stone			
Doris Jean White			
Sandra Pixler			
Victor A. White (4/117)			
Melinda Reid Hatton (2/147)			
Dennis F. Hatton Jr. (1/147)			
Amanda Hatton (1/147)			
12	1-2-20	Merrion Oil and Gas Corporation Hu's Land and Minerals LLC	ROY L HALL
13	1-3-1	Merrion Oil and Gas Corporation	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES
		Hu's Land and Minerals LLC Clark Donley Stiles	

09/28/2018

VOTD

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



Sheffler & Company, Inc. ENGINEERING • SURVEYING

1712 Mount Nebo Road Sewickley, PA 15143 Phone: 412-219-4509 Email: info@shefflerco.com

DATE: April 3, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  Gas  Liquid Injection  Storage  Shallow

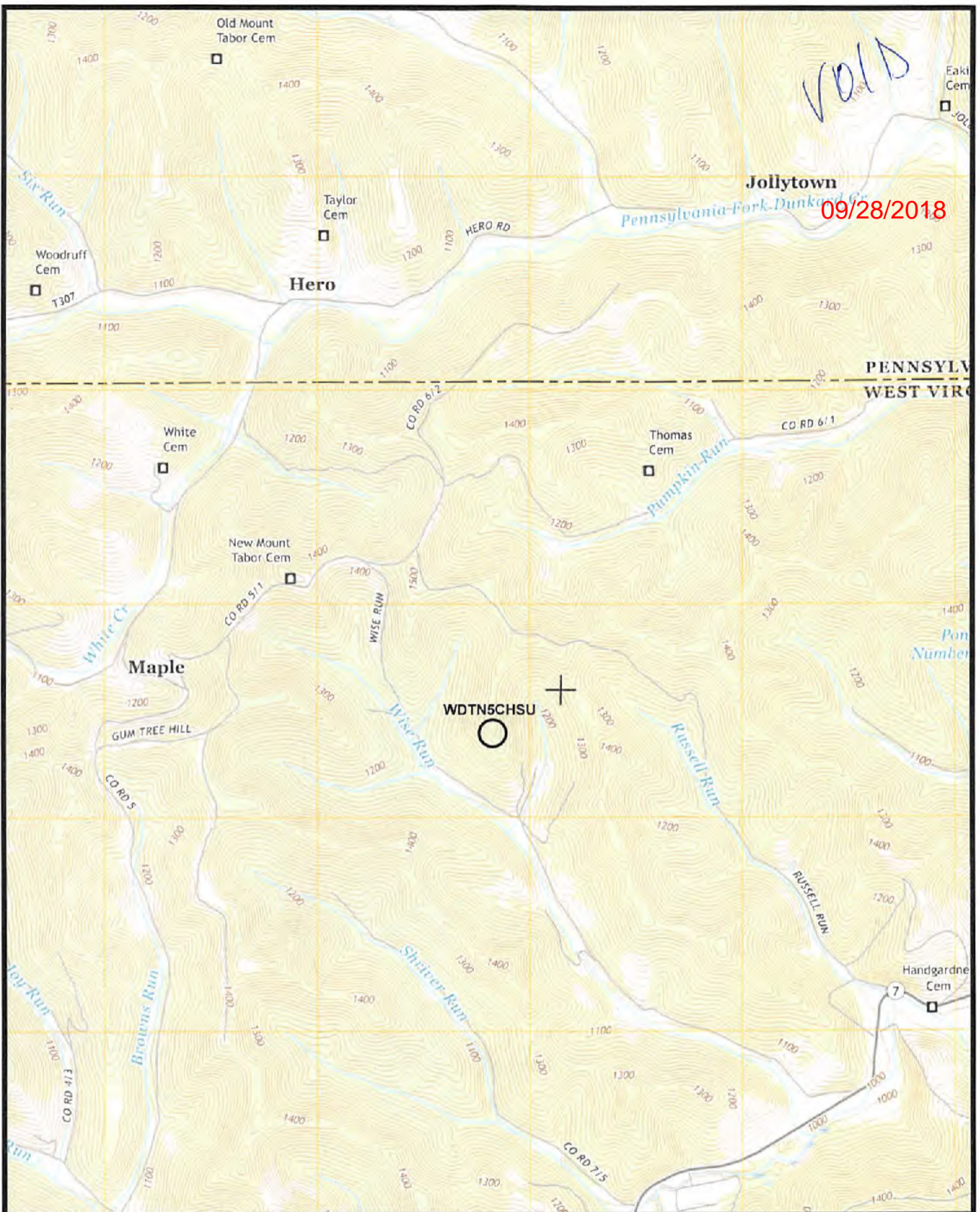
OPERATOR'S WELL #: WDTN5CHSU  
API WELL # 47 061  
STATE COUNTY PERMIT

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

REC'D  
Office of Oil and Gas  
APR 6 2018  
Environmental Protection



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
 STATE COUNTY

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

VOID

09/28/2018

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 APR 6 2018  
 WV Department of Environmental Protection

VOL 00128 PG 0530

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716633  
03/21/2018 @ 01:35:52 PM  
MISCELLANEOUS  
Book 128 @ Page 530  
Pages Recorded 2  
Recording Cost \$ 11.00

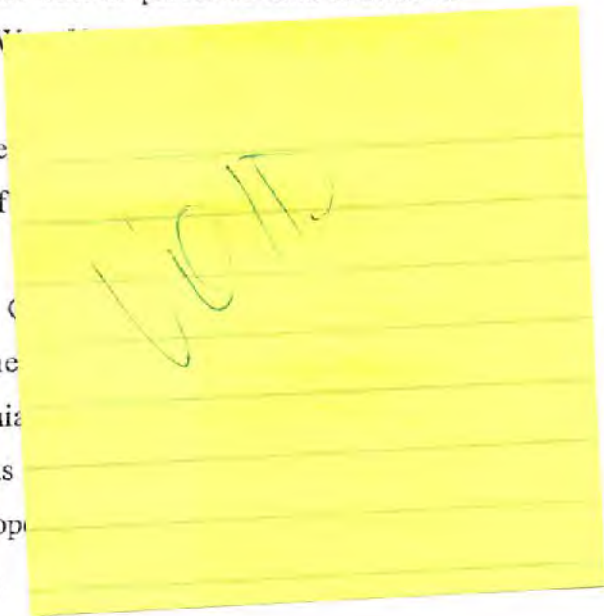
09/28/2018

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Evalee A. Everly Shaheen, hereby certifies that:

47 06 10 18 07

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement which is of record in the Office of the County Clerk of West Virginia, Page 574 as Instrument No. 594793.
3. The Surface Use Agreement granted CNX Gas Company the right to use the surface of the Property for oil and gas development and the execution of an easement contemplated under West Virginia Code Chapter 20, Operating Rule 4.4 of the Rules and Regulations of the West Virginia Conservation Commission, and the drilling and operation of wells at the location shown on the attached plat or survey.



Executed this 05 day of October, 2017.

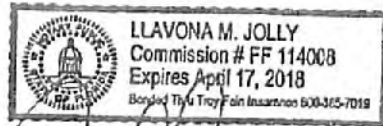
Evalee A. Everly Shaheen  
Evalee A. Everly Shaheen

STATE OF Florida  
COUNTY OF Orange

The foregoing instrument was acknowledged before me on the 5 day of October, 2017 by Evalee A. Everly Shaheen.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



LLavona M. Jolly  
NOTARY PUBLIC  
My Commission expires: 4/17/2018

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg, PA 15317

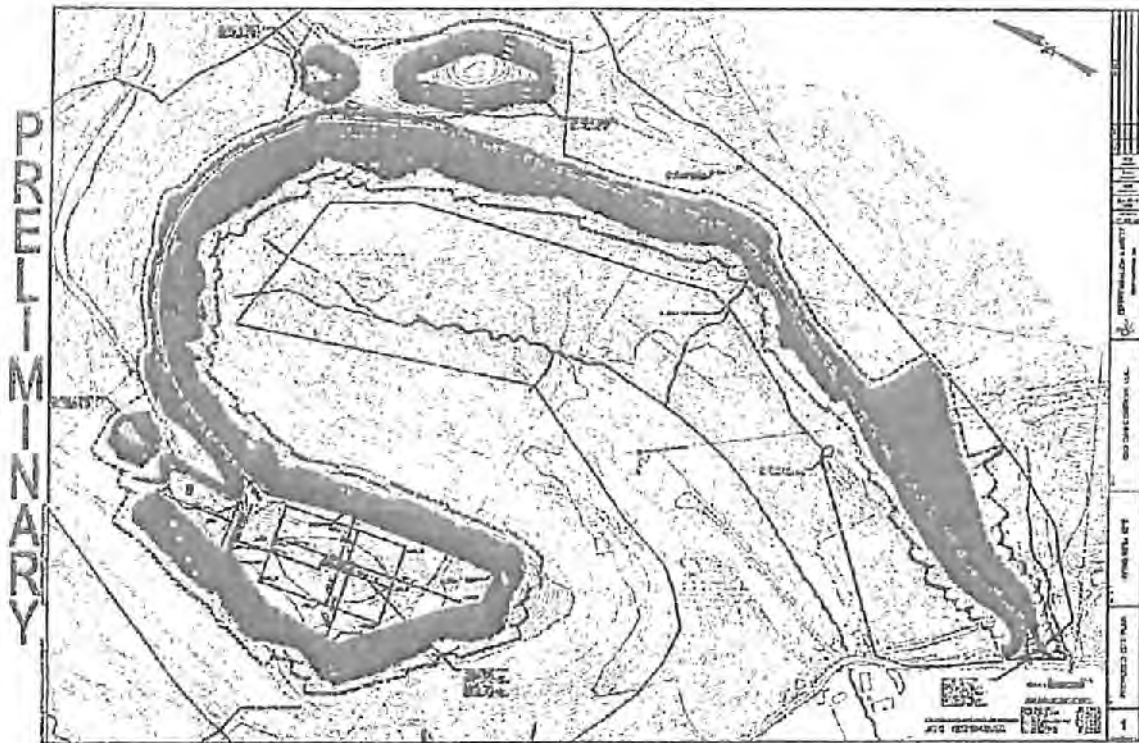
RECEIVED  
Office of Oil and Gas  
PA 15317  
6 2018  
WV Department of  
Environmental Protection



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated January 13<sup>th</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Evalée A. Everly Shaheen of 1325 Citrus Gardens Dr., Apt. A, Orlando, FL 32807 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Evalée A. Everly Shaheen*  
 Evalée A. Everly Shaheen

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

WV Department of  
 Environmental Protection

VOL 00128 PG 0526

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716621  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 526  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Michelle L. Currence, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1530, Page 412 as Instrument No. 600876.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 12 day of October, 2017.

Michelle L. Currence  
 Michelle L. Currence  
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 Office of Oil and Gas  
 APR 6 2018

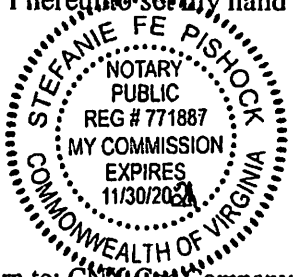
STATE OF Virginia  
COUNTY OF Stafford

WV Department of  
Environmental Protection

The foregoing instrument was acknowledged before me on the 12 day of October, 2017 by **Michelle L. Currence**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

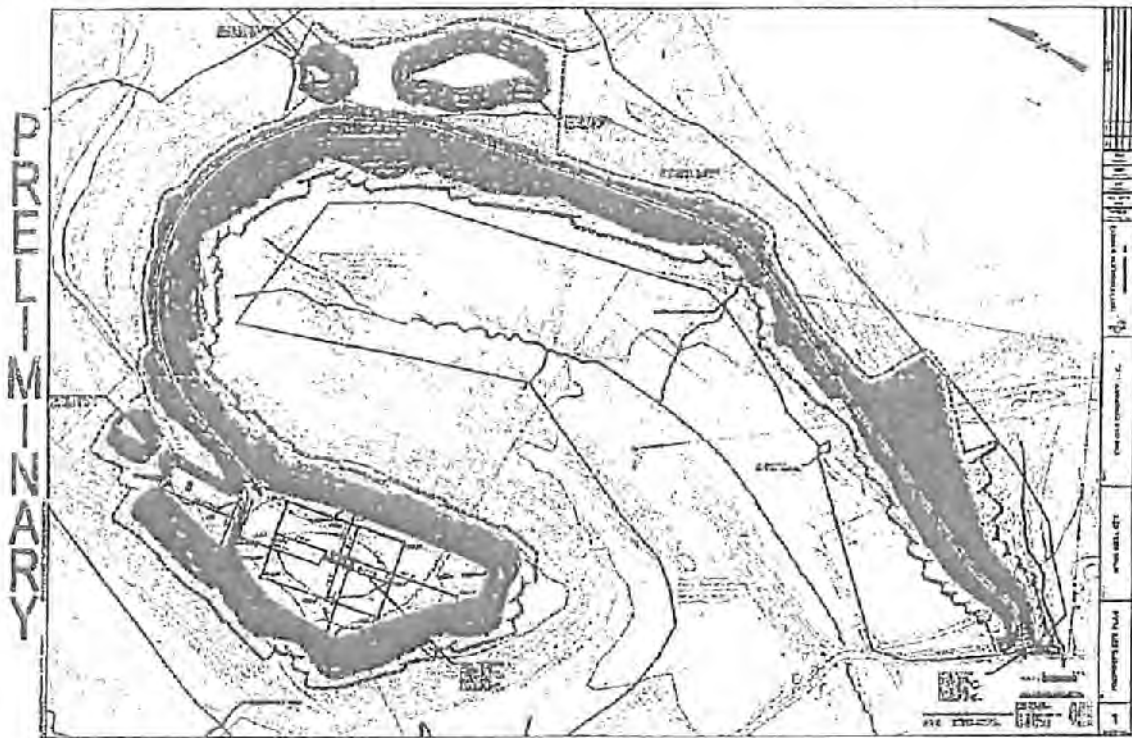


Stefanie Pishock  
 NOTARY PUBLIC  
 My Commission expires: 11-30-2021

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Michelle L. Currence of 1 Carroll Drive, Stafford, VA 22554 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Michelle L. Currence*  
 \_\_\_\_\_  
 Michelle L. Currence

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 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

VOL 00128 PG 0522

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716619  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 522  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Vicki Stullenbarger, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated January 9, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 745 as Instrument No. 581220.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 2<sup>nd</sup> day of November, 2017.

Vicki S. Stullenbarger  
Vicki Stullenbarger

STATE OF North Carolina  
COUNTY OF Onslow

The foregoing instrument was acknowledged before me on the 2<sup>nd</sup> day of November 2017 by **Vicki Stullenbarger**.

In witness hereof, I hereunto set my hand and official seal.



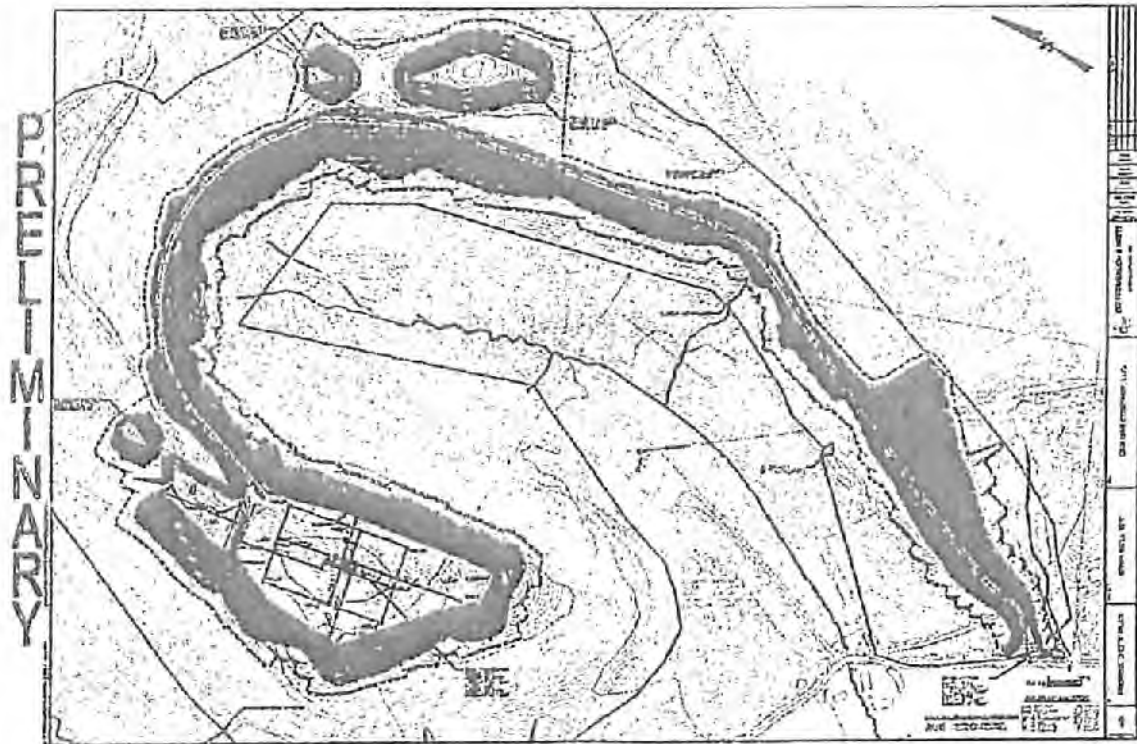
Sarah A. Owens  
NOTARY PUBLIC  
My Commission expires: May 19, 2018

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated January 9<sup>th</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Vicki Stullenbarger of 203 Silver Maple Ct., Holy Ridge, NC 28445 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Vicki Stullenbarger*  
 \_\_\_\_\_  
 Vicki Stullenbarger

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 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716624  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 532  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Fred C. Wise and Alice F. Wise, both individually and as husband and wife, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 736 as Instrument No. 581204.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5<sup>th</sup> day of October, 2017.

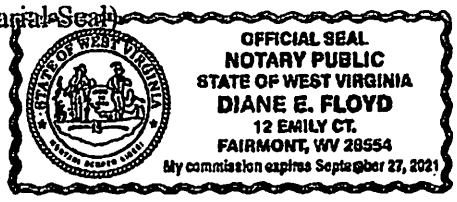
Fred C. Wise  
Fred C. Wise

Alice F. Wise  
Alice F. Wise

STATE OF WV  
COUNTY OF Marion

The foregoing instrument was acknowledged before me on the \_\_\_ day of \_\_\_\_\_, 2017 by **Fred C. Wise and Alice F. Wise, both individually and as husband and wife.**  
In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

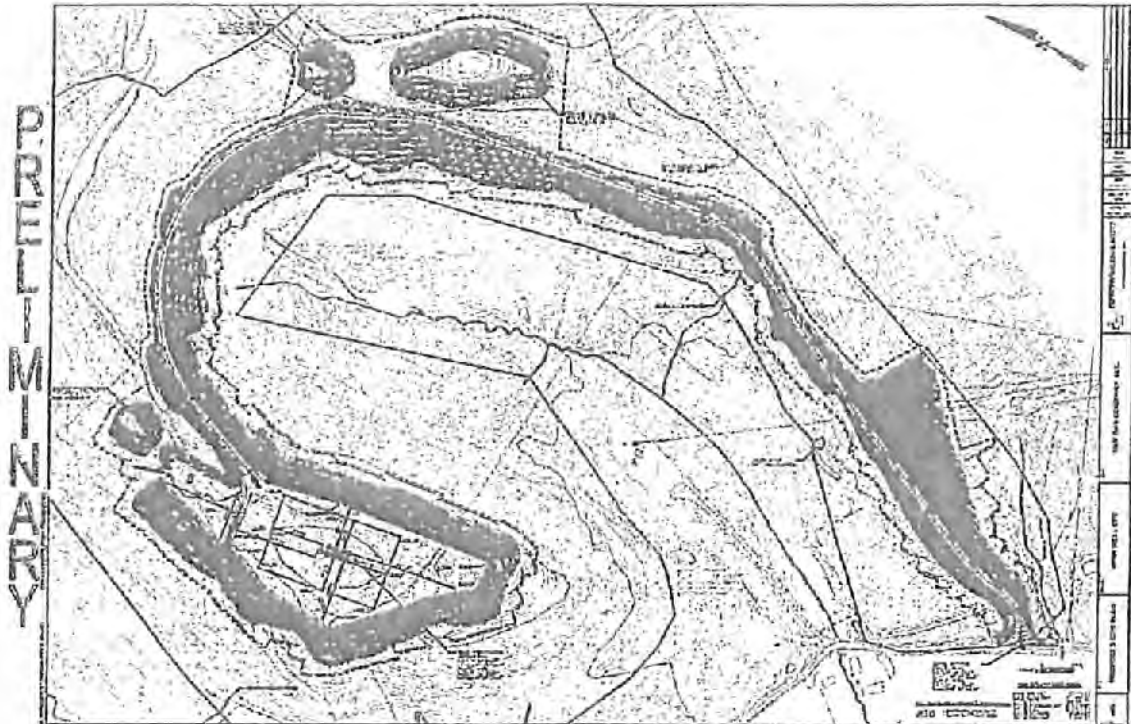


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Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection  
Diane E. Floyd  
NOTARY PUBLIC  
My Commission expires: September 27, 2021

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Fred C. Wise and Alice F. Wise, both individually and as husband and wife, of #1 West Hills Drive, Fairmont, WV 26554 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

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 APR 6 2018  
 WV Department  
 Environmental Protection

VOL 00128 PG 0528

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716622  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 528  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Mary Stepelton, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated February 11, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1528, Page 439 as Instrument No. 598555.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10<sup>th</sup> day of October, 2017.

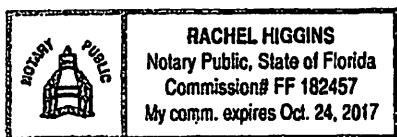
Mary N Stepelton  
Mary Stepelton

STATE OF FL  
COUNTY OF Broward

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of October, 2017 by **Mary Stepelton**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



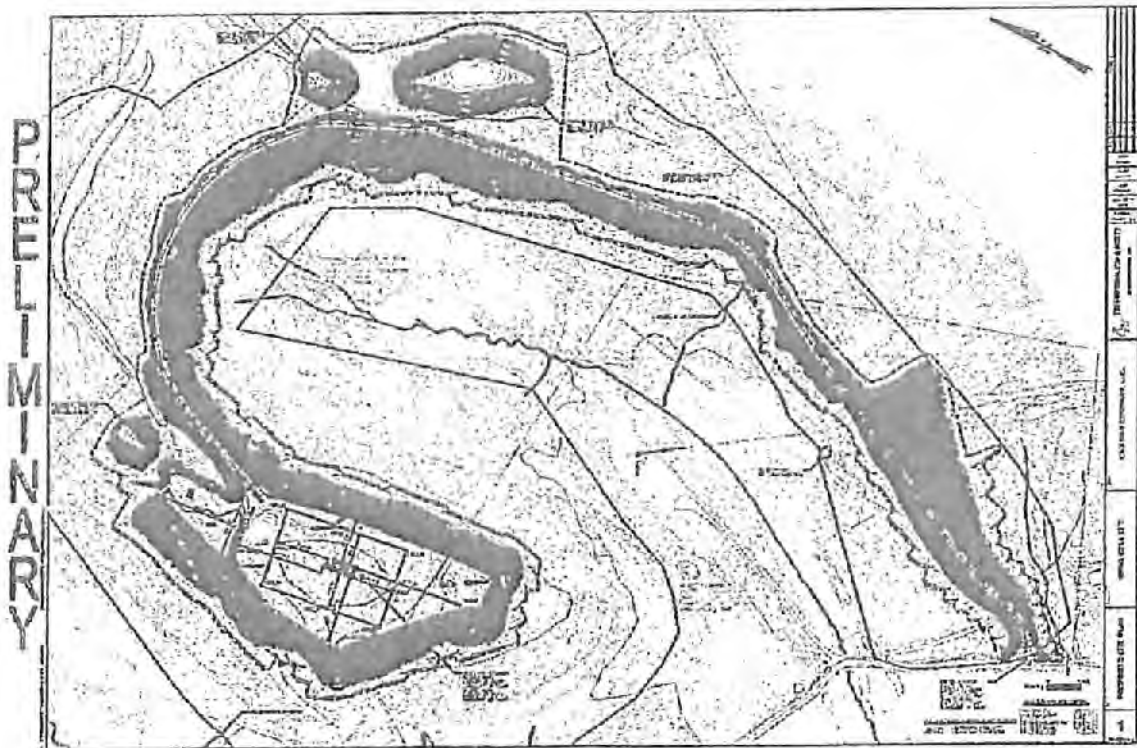
Rachel Higgins  
NOTARY PUBLIC  
My Commission expires: 10/24/17



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated February 11, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Mary Stepelton of 7739 Southhampton Terrace, Apt. G204, Tamarac, FL, 33321 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Mary Stepelton  
 Mary Stepelton

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 Office of Oil and Gas  
 APR 6 2018  
 WV Department  
 Environmental Protection

VOL 00128 PG 0524

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716620  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 524  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Maureen S. Currence, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 742 as Instrument No. 581218.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 2<sup>nd</sup> day of November, 2017.

Maureen S. Currence  
Maureen S. Currence

STATE OF North Carolina  
COUNTY OF Onslow

The foregoing instrument was acknowledged before me on the 2<sup>nd</sup> day of November, 2017 by **Maureen S. Currence**.

In witness hereof, I hereunto set my hand and official seal.



S. LaO  
NOTARY PUBLIC  
My Commission expires: May 19, 2018

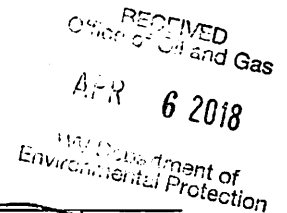
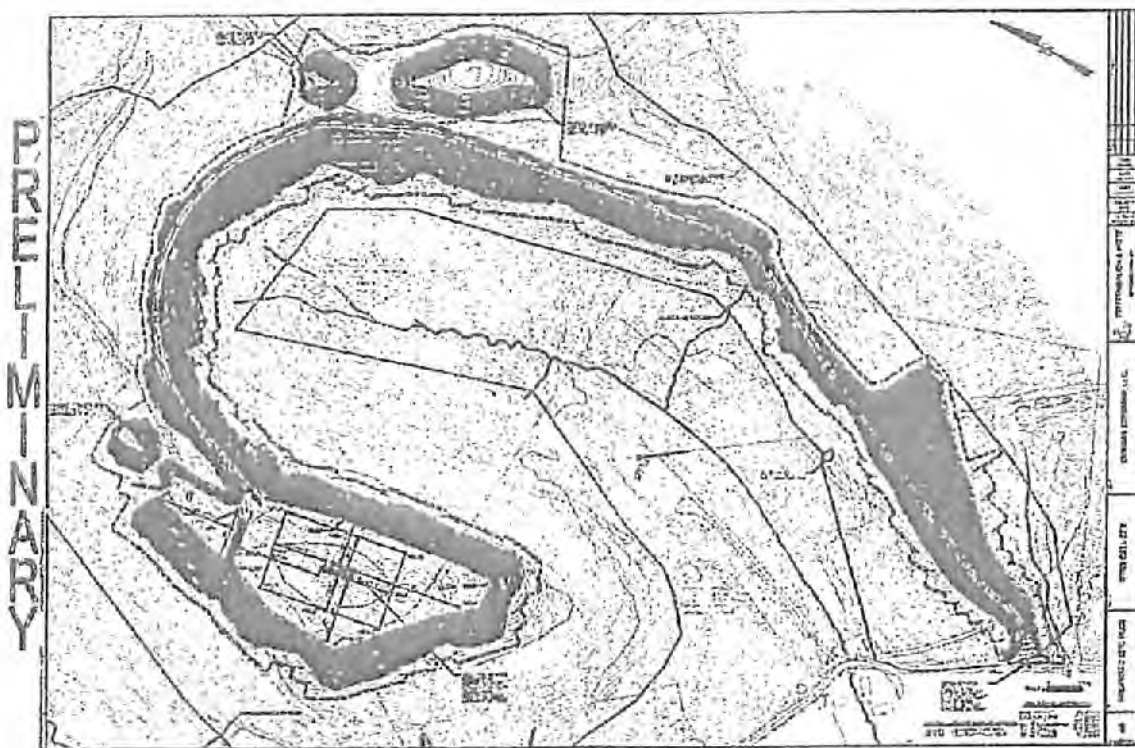


Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Maureen S. Currence of 203 Silver Maple Ct., Holly Ridge, NC 28445 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Maureen S. Currence  
Maureen S. Currence

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

VOL 00128 PG 0542

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716629  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 542  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Harold M. Jones, Jr., hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 688 as Instrument No. 573538.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of October, 2017.

Harold M. Jones, Jr.  
Harold M. Jones, Jr.

STATE OF PA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 05<sup>th</sup> day of OCTOBER, 2017 by Harold M. Jones, Jr.

In witness hereof, I hereunto set my hand and official seal.

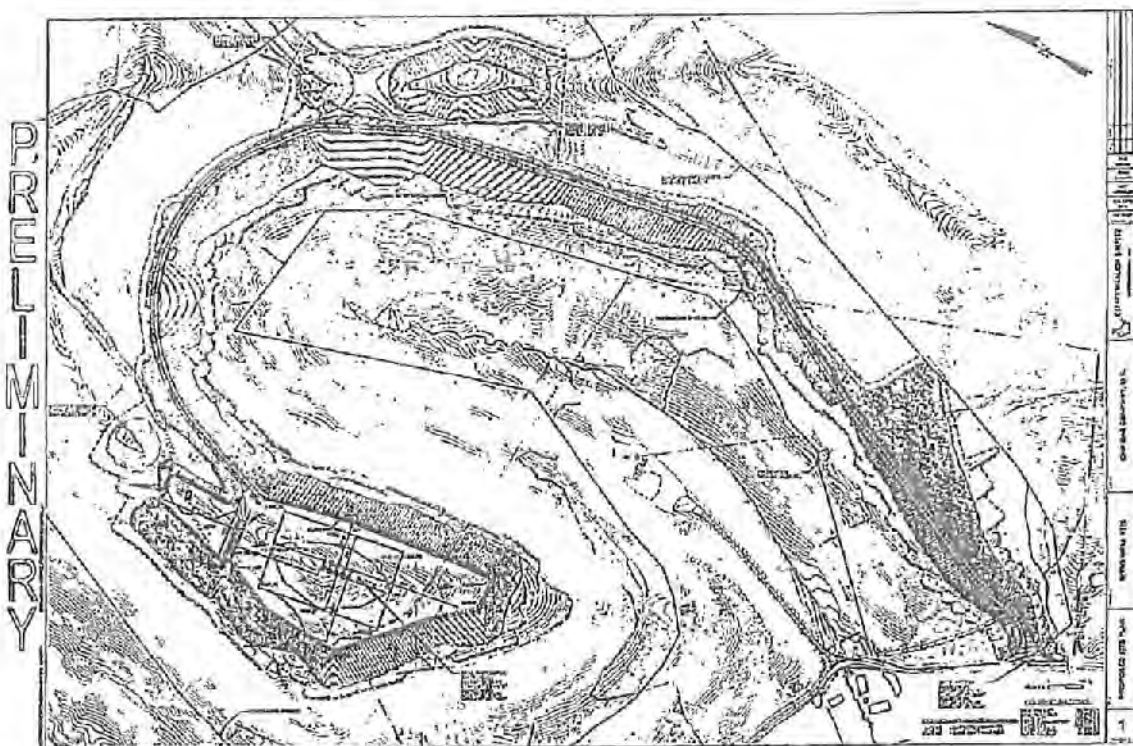
(Notarial Seal)  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Carol L Regal, Notary Public  
City of Monongahela, Washington County  
My Commission Expires Feb. 9, 2019

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection  
Carol L Regal  
NOTARY PUBLIC  
My Commission expires: FEB. 09, 2019

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Harold M. Jones, Jr., a single man, having an address at 317 Crest Ave., Charleroi, PA 15022 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Harold M. Jones, Jr.*

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Robert Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 763 as Instrument No. 581232.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10 day of 5, 2017.

Robert Stewart  
Robert Stewart

STATE OF Pennsylvania  
COUNTY OF Greene

The foregoing instrument was acknowledged before me on the 5 day of October 2017 by **Robert Stewart**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Heather L. Orndoff, Notary Public  
Waynesburg Boro, Greene County  
My Commission Expires April 9, 2019

Heather L. Orndoff  
NOTARY PUBLIC  
My Commission expires: 4-9-19

RECEIVED  
Office of Oil and Gas

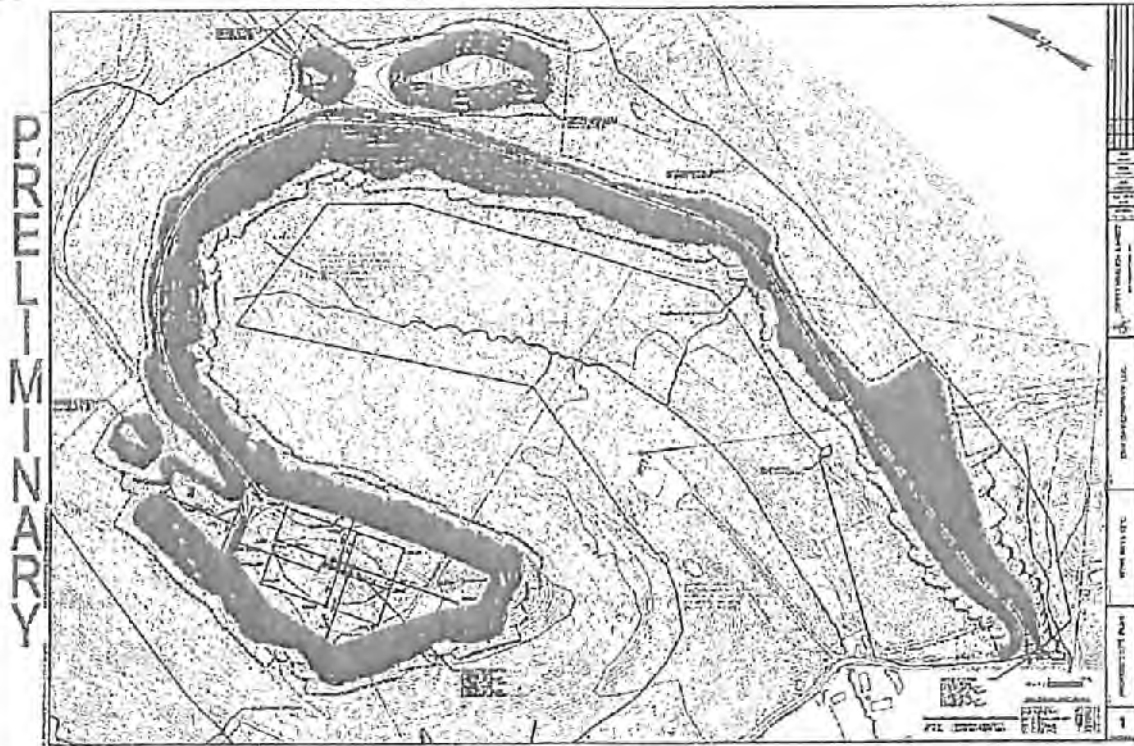
APR 6 2018

WV Department of  
Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and between Robert Stewart, of Lot 1, Route 21 MHP, Carmichaels, PA 15320 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Robert Stewart*  
Robert Stewart

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

VOL 00128 PG 0516

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716616  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 516  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, James Freeman Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1529, Page 248 as Instrument No. 599522.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 6<sup>th</sup> day of November, 2017.

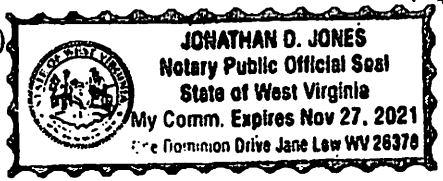
James Freeman Stewart  
James Freeman Stewart

STATE OF West Virginia  
COUNTY OF Mallon

The foregoing instrument was acknowledged before me on the 6<sup>th</sup> day of November, 2017 by James Freeman Stewart.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



[Signature]  
NOTARY PUBLIC  
My Commission expires: 11/27/2021

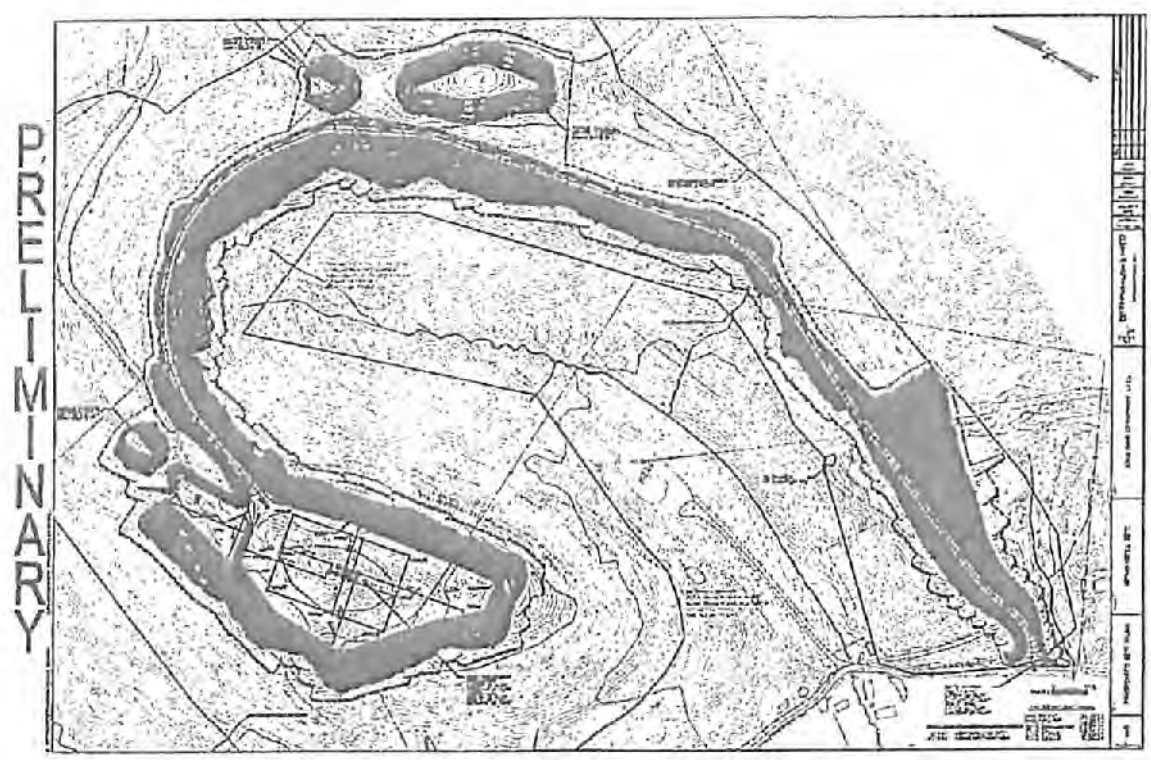
RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and James Freeman Stewart of 12104 Raritan Lane, Bowie, MD 20715, (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*James Freeman Stewart*  
 James Freeman Stewart

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

VOL 00128 PG 0509

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716609  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 509  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Debora Goff, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1530, Page 409 as Instrument No. 600874.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

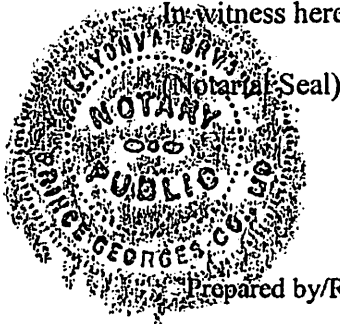
Executed this 11 day of October, 2017.

Debora Goff  
Debora Goff

STATE OF Maryland  
COUNTY OF Prince George's

The foregoing instrument was acknowledged before me on the 11 day of October 2017 by **Debora Goff**.

In witness hereof, I hereunto set my hand and official seal.



LATONYA BRYANT  
NOTARY PUBLIC  
PRINCE GEORGE'S COUNTY  
MARYLAND  
My Commission Expires 1-13-2020

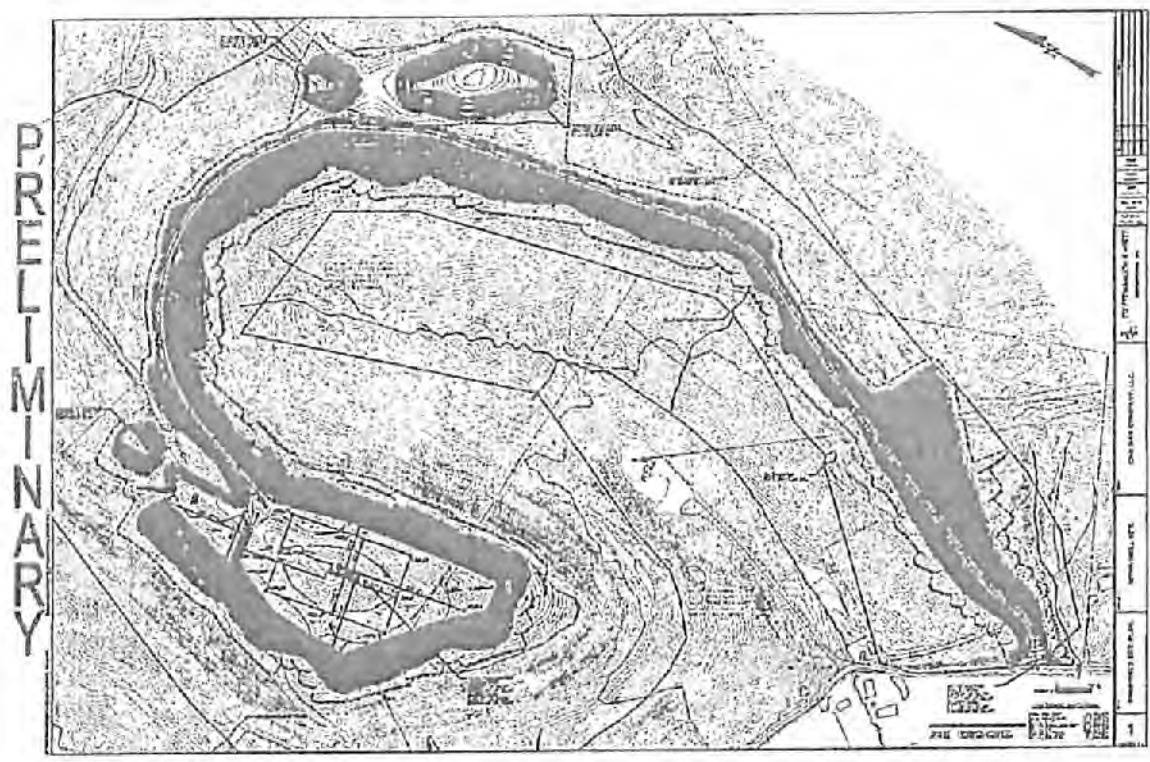
Latonya Bryant  
NOTARY PUBLIC  
My Commission expires: 1-13-2020

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Debora Goff of 3004 Danville Road, Brandywine, MD 20613 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as 'Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

  
 \_\_\_\_\_  
 Debora Goff

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 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

VOL 00128 PG 0544

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716630  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 544  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Regina Wise Myers a/k/a Violet Regina Myers, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 757 as Instrument No. 581227.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

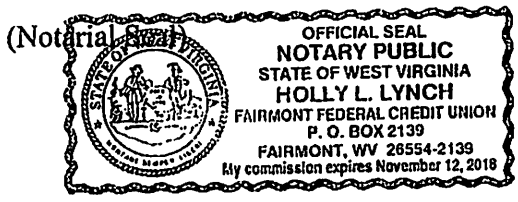
Executed this 5 day of Oct, 2017.

*Regina Wise Myers a/k/a Violet Regina Myers*  
Regina Wise Myers a/k/a Violet Regina Myers

STATE OF WV  
COUNTY OF Marion

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October 2017 by **Regina Wise Myers a/k/a Violet Regina Myers**.

In witness hereof, I hereunto set my hand and official seal.



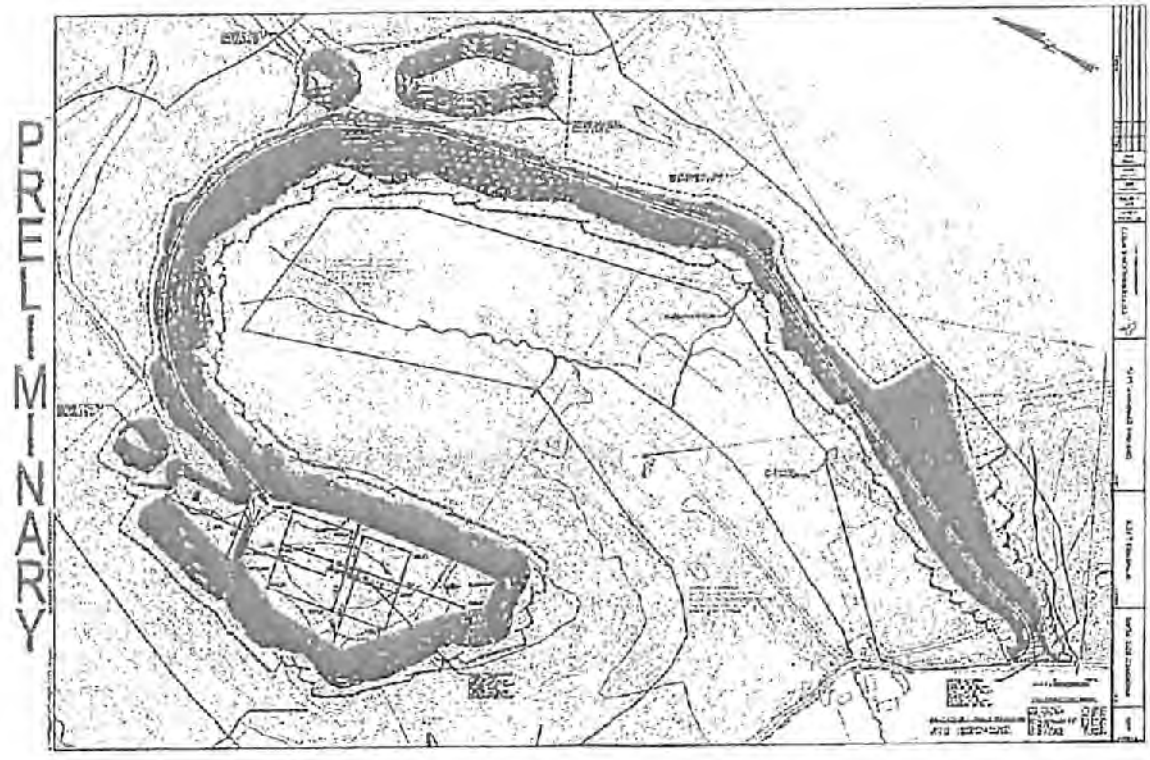
*Holly Lynch*  
NOTARY PUBLIC  
My Commission expires: Nov 12, 2018

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Regina Wise Myers a/k/a Violet Regina Myers of 22 Jason Way, Fairmont, WV 26554 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Regina Wise Myers a/k/a Violet Regina Myers*  
Regina Wise Myers a/k/a Violet Regina Myers

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Office of Oil and Gas  
APR 6 2013  
WV Department of Environmental Protection

VOL 00128 PG 0540

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716628  
03/21/2018 @ 01:33:52 PM  
MISCELLANEOUS  
Book 128 @ Page 540  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Thomas McCauley, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 771 as Instrument No. 581239.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of Oct., 2017.

Thomas McCauley  
Thomas McCauley

STATE OF Ohio  
COUNTY OF Stark

The foregoing instrument was acknowledged before me on the 5th day of October, 2017 by **Thomas McCauley**.

In witness hereof, I hereunto set my hand and official seal.



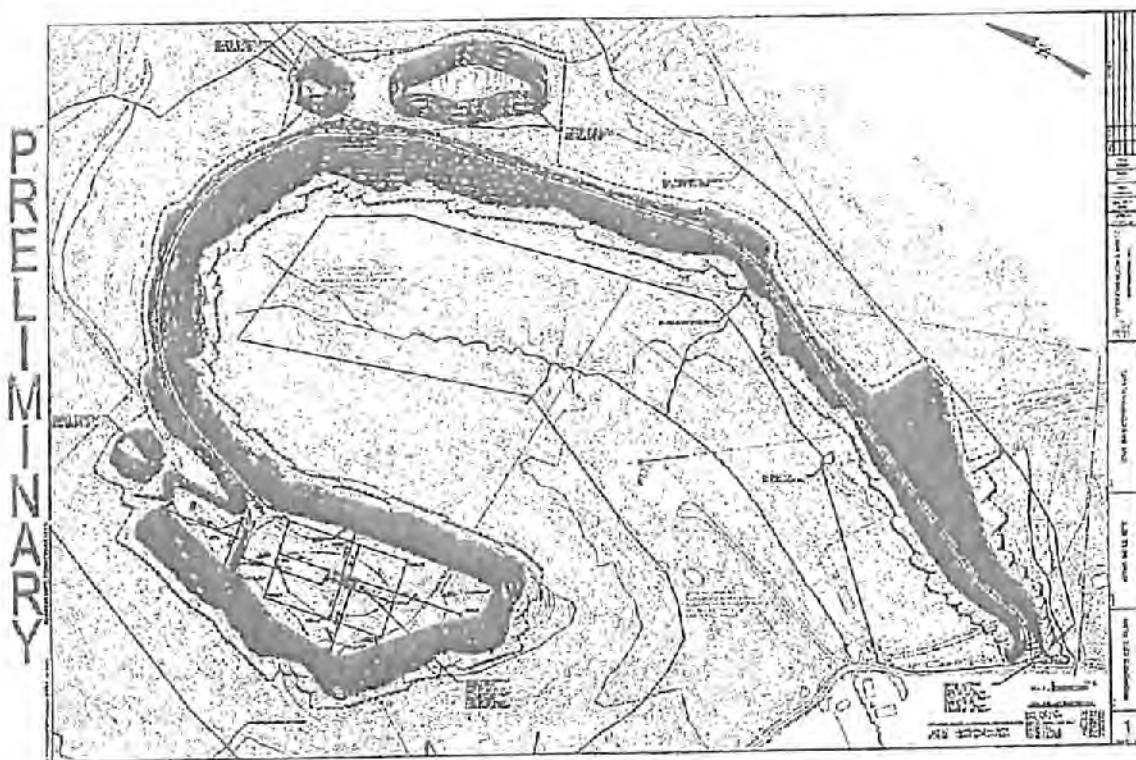
RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection  
Melissa A. Stefan  
NOTARY PUBLIC  
My Commission expires: Sept 29, 2019

Presented by return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Thomas McCauley, of 220 Kennedy Street, Apt. 5, Louisville, OH 44641 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Thomas McCauley*  
 \_\_\_\_\_  
 Thomas McCauley

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

VOL 00128 PG 0497

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716603  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 497  
Pages Recorded 2  
Recording Cost \$

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Clifford J. Wise, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated March 31, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1529, Page 672 as Instrument No. 600090.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 12<sup>th</sup> day of October, 2017.

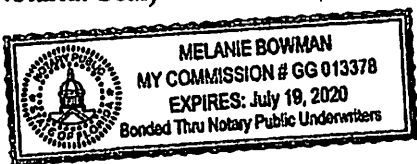
Clifford J. Wise  
Clifford J. Wise

STATE OF Florida  
COUNTY OF Stuwanee

The foregoing instrument was acknowledged before me on the 12<sup>th</sup> day of October, 2017 by **Clifford J. Wise**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



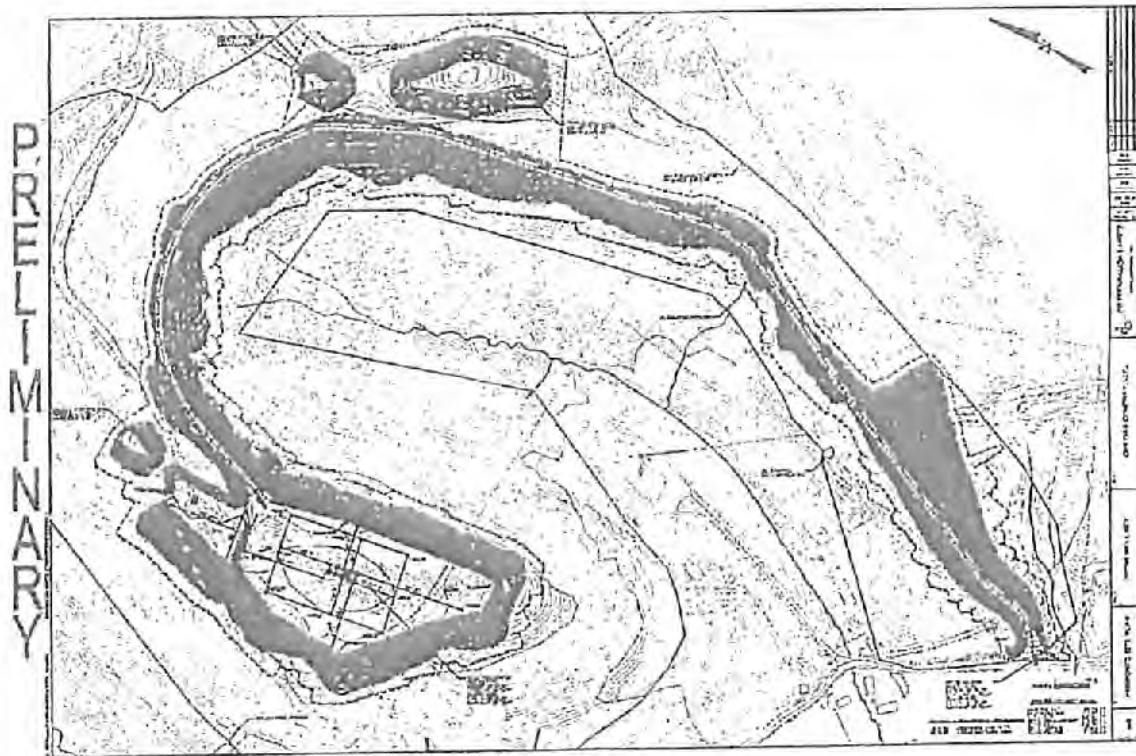
RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection  
Melanie Bowman  
NOTARY PUBLIC  
My Commission expires: July 19, 2020



Exhibit "A"

Attached hereto and made a part of that certain Agreement dated March 31<sup>st</sup>, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Clifford J. Wise of 2394 County Road 137, Obrien, Florida 32071 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Clifford J. Wise*  
 \_\_\_\_\_  
 Clifford J. Wise

RECEIVED  
 Office of Oil and Gas  
 APR 6 2018  
 WV Department of  
 Environmental Protection

VOL 00128 PG 0501

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carye L. Blaney, Clerk  
Instrument 716605  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 501  
Pages Recorded 2  
Recording Cost \$

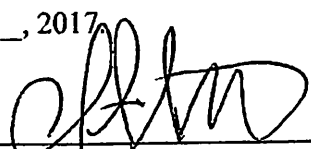
11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Justin P. Stewart, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 10, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 766 as Instrument No. 581236.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 19 day of October, 2017.

  
Justin P. Stewart

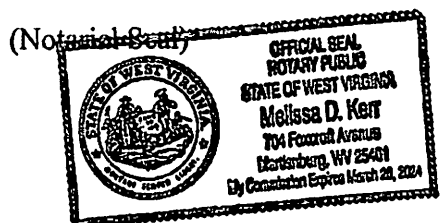
STATE OF WV  
COUNTY OF Boone

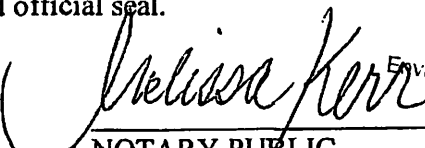
The foregoing instrument was acknowledged before me on the 19<sup>th</sup> day of October, 2017 by **Justin P. Stewart**.

RECEIVED  
Office of Oil and Gas

In witness hereof, I hereunto set my hand and official seal.

APR 6 2018



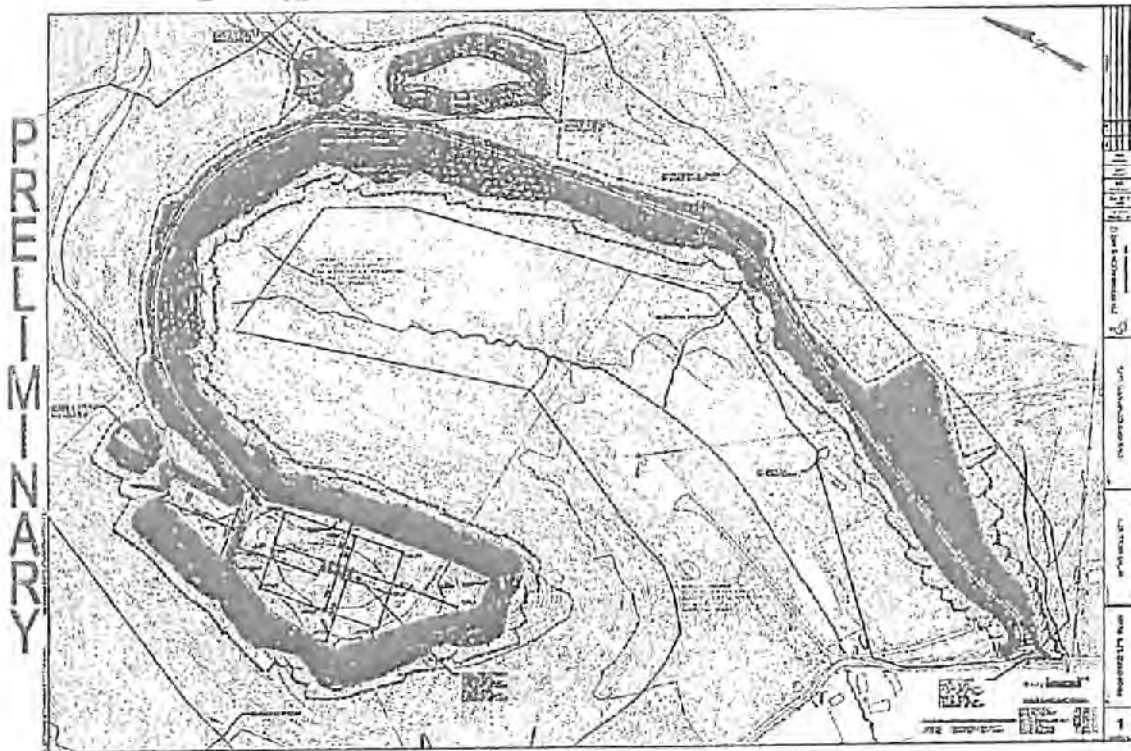
  
NOTARY PUBLIC  
My Commission expires: 3/28/24

WV Department of Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 10<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Justin P. Stewart, a single man, having an address at 322 W. John Street, Martinsburg, WV, 25404 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Justin P. Stewart

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Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection

VOL 00128 PG 0505

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716607  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 505  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Eleanor J. Wise, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 3, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 691 as Instrument No. 573542.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 9<sup>th</sup> day of October, 2017.

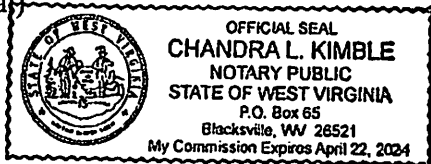
Eleanor J. Wise  
Eleanor J. Wise

STATE OF West Virginia  
COUNTY OF Monongalia

The foregoing instrument was acknowledged before me on the 9<sup>th</sup> day of October, 2017 by **Eleanor J. Wise**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

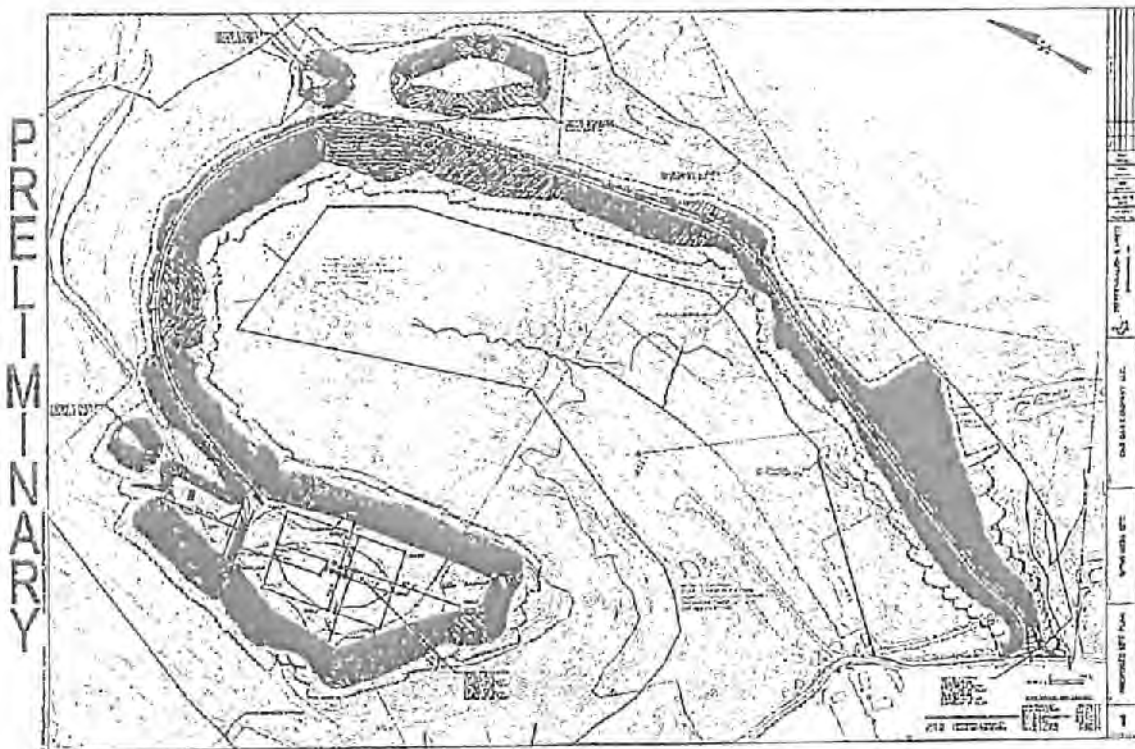


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Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection  
Chandra L. Kimble  
NOTARY PUBLIC  
My Commission expires: April 22, 2024

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 3<sup>rd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Eleanor J. Wise, of 126 Fairview Avenue, Waynesburg, PA 15370 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Eleanor J. Wise*

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

VOL 00128 PG 0499

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716604  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 499  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Victor E. Wise, by his Agent, Vicki Webb, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 751 as Instrument No. 581223.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.
4. Vicki Webb has been authorized to act on behalf of Victor E. Wise pursuant to the Durable Power of Attorney executed by Victor E. Wise on January 11, 2015, and recorded in the Office of the Clerk of the County Commission of Monongalia County, West Virginia in Book 35, Page 216.

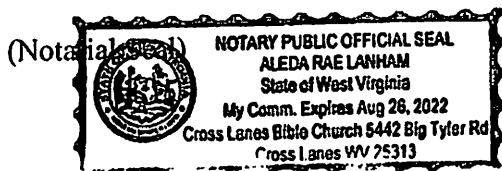
Executed this 16 day of October, 2017.  
Vicki Webb - POA  
Victor E. Wise, by his Agent, Vicki Webb

STATE OF WEST VIRGINIA  
COUNTY OF KANAWHA

The foregoing instrument was acknowledged before me on the 16 day of OCTOBER, 2017 by **Victor E. Wise, by his Agent, Vicki Webb**.

RECEIVED  
APR 6 2018  
WV Department of  
Environmental Protection

In witness hereof, I hereunto set my hand and official seal.

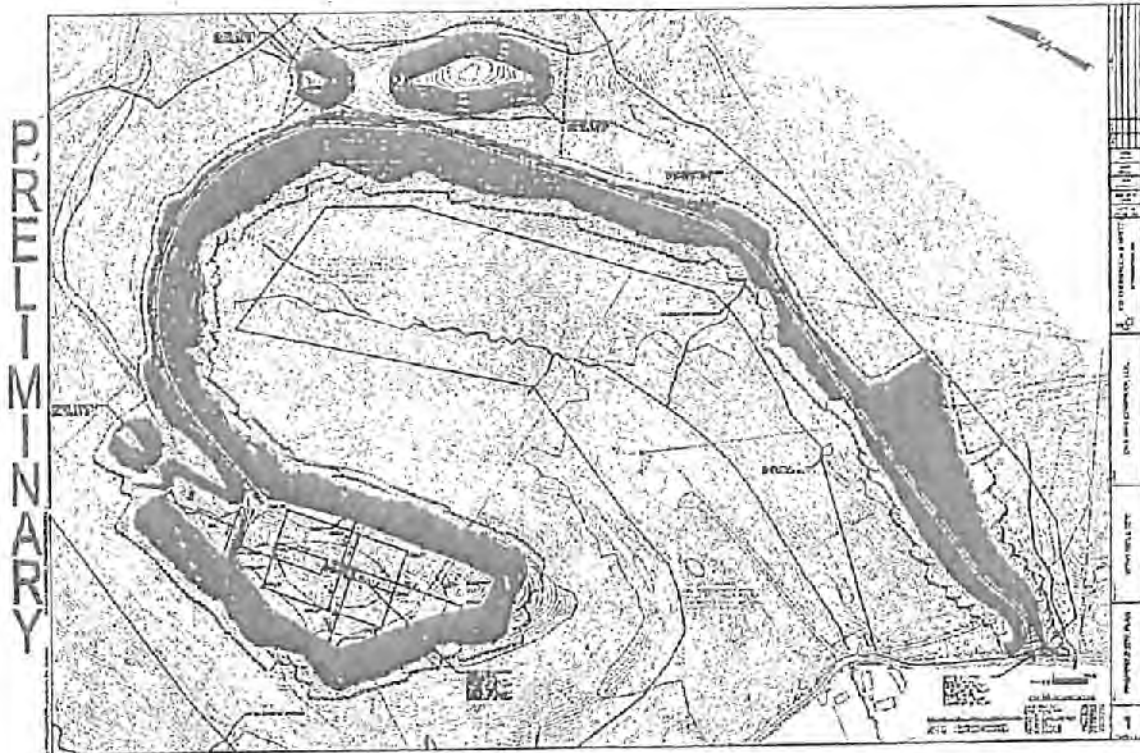


Aleda Rae Lanham  
NOTARY PUBLIC  
My Commission expires: AUG 26, 2022

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Victor E. Wise of 266 Pine Drive, Poca, WV 25159 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Victor E. Wise*

Victor E. Wise

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Office of Oil and Gas

APR 6 2018

MSOP  
Environmental Services

VOL 00128 PG 0503

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716606  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 503  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Jesse D. Jones, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1543, Page 241 as Instrument No. 626184.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 5 day of October, 2017.

Jesse D. Jones  
Jesse D. Jones

STATE OF PA  
COUNTY OF Westmoreland

The foregoing instrument was acknowledged before me on the 5<sup>th</sup> day of October, 2017 by Jesse D. Jones.

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department  
Environmental

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Daria Renk, Notary Public  
Rostraver Twp., Westmoreland County  
My Commission Expires March 19, 2020  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Daria Renk  
NOTARY PUBLIC  
My Commission expires: 3-19-20

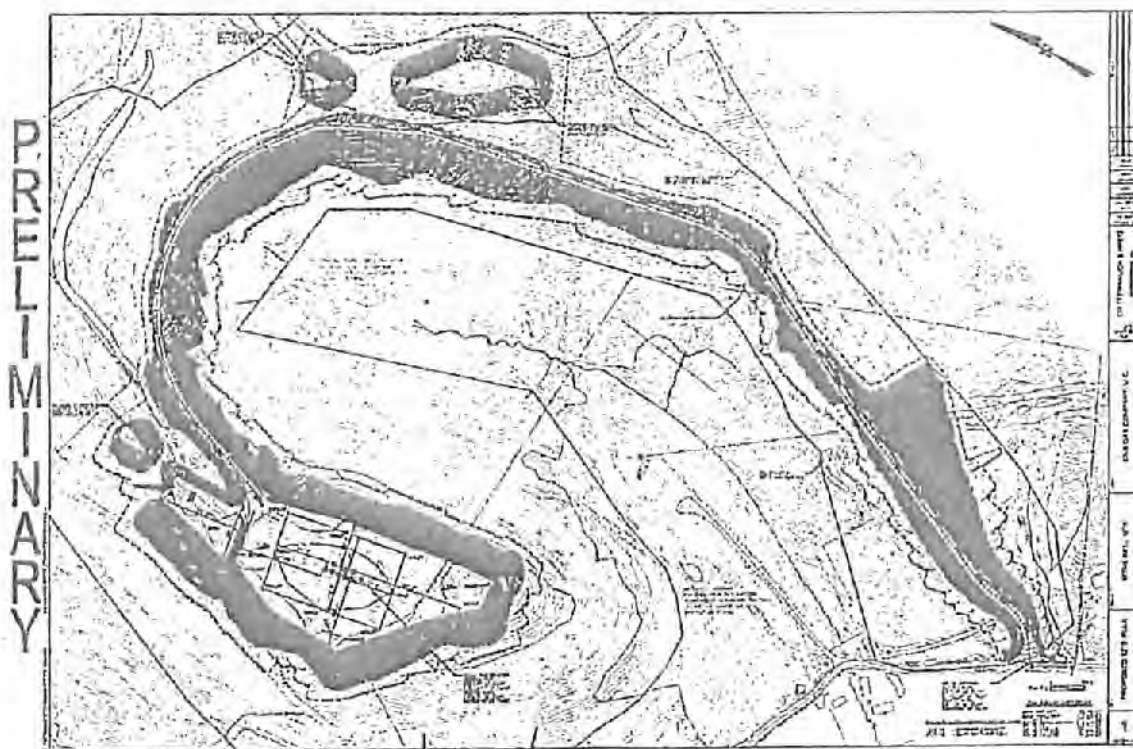


VOL 01543 PG 0244 VOL 00128 PG 0504

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Jesse D. Jones, a married man, of 308 1/2 Crest Ave., Charleroi, PA 15022 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

VOL: 00128 PG 0507

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716608  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 507  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Donald E. Nunley, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated July 21, 2017 which is of record in the Office of the County Clerk of Monongalia County in Book 1596, Page 253 as Instrument No. 694260.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10<sup>th</sup> day of October, 2017.

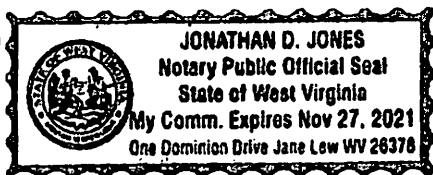
Donald E. Nunley  
Donald E. Nunley

STATE OF West Virginia  
COUNTY OF Monongalia

The foregoing instrument was acknowledged before me on the 10<sup>th</sup> day of October, 2017 by **Donald E. Nunley**.

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



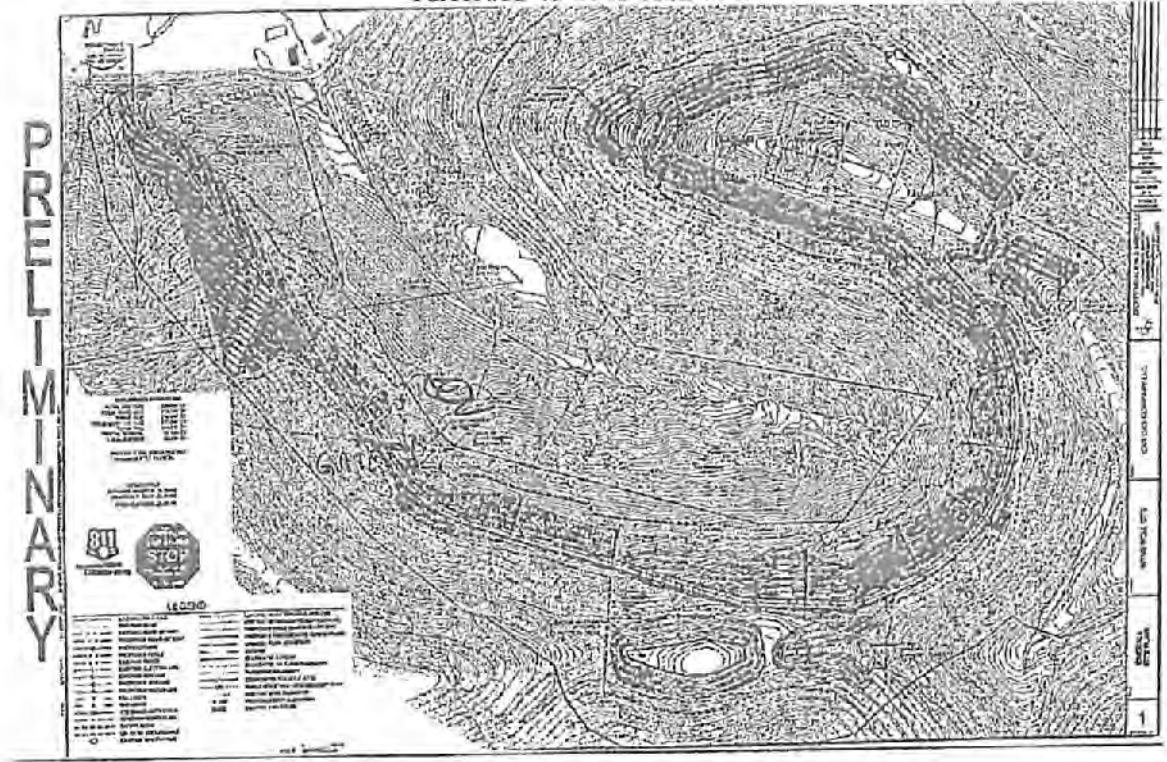
Jonathan D. Jones  
NOTARY PUBLIC  
My Commission expires: 11/27/2021

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection

**Exhibit "A"**  
6834

Attached hereto and made a part of that certain Agreement dated July 21, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Donald E. Nunley, widower, of 36 Autumn Drive, Core, WV 26541 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel #31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved  
*Donald E. Nunley*  
Donald E. Nunley

CNX Gas Company LLC  
*Timothy Sumrick*  
Timothy Sumrick, Assistant Vice President

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Office of Oil and Gas  
APR 6 2018  
WV Department of Environmental Protection

VOL 00128 PG 0488

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L. Bidney, Clerk  
Instrument 716599  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 488  
Pages Recorded 2  
Recording Cost \$

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Walter C. Ord, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated December 16, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1517, Page 760 as Instrument No. 581228.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

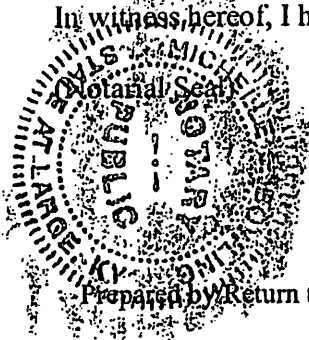
Executed this 5 day of October, 2017.

Walter C. Ord  
Walter C. Ord  
KYDL - 094-439-912

STATE OF Kentucky  
COUNTY OF Floyd

The foregoing instrument was acknowledged before me on the 5 day of Oct, 2017 by Walter C. Ord.

In witness hereof, I hereunto set my hand and official seal.



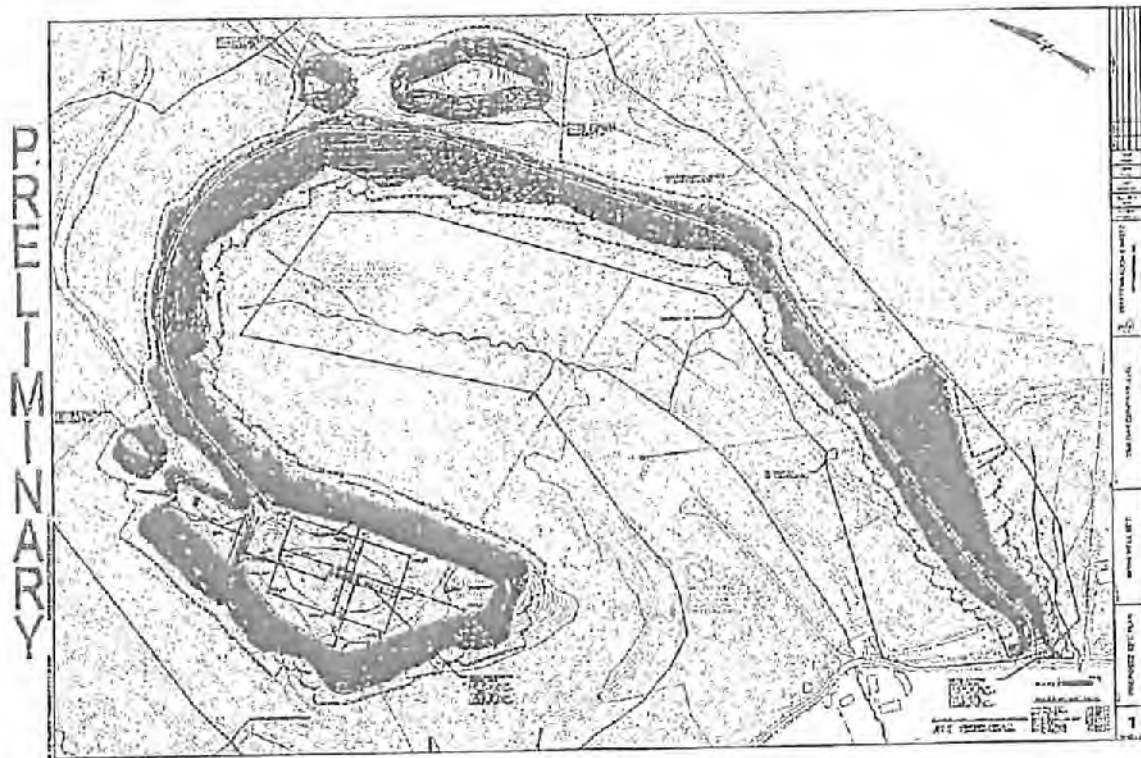
RECEIVED  
Office of Oil and Gas  
APR 6 2018  
NOTARY PUBLIC  
My Commission expires: 7/25/18  
Michelle G. Davis

Prepared by Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 16<sup>th</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and between Walter C. Ord, of 144 Middle Branch, McDowell, KY 41647 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Walter C. Ord*

Walter C. Ord

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APR 6 2018

WV Department of  
Environmental Protection

VOL 00128 PG 0511

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716610  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 511  
Pages Recorded 2  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Phyllis J. Petrosky, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. He/she previously executed a Surface Use Agreement dated December 2, 2014 which is of record in the Office of the County Clerk of Monongalia County in Book 1513, Page 694 as Instrument No. 573544.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 05 day of Oct, 2017.

Phyllis J. Petrosky  
Phyllis J. Petrosky

STATE OF PENNSYLVANIA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 5 day of October 2017 by **Phyllis J. Petrosky**.

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Mary Ann Russell, Notary Public  
City of Monongahela, Washington County  
My Commission Expires Oct. 15, 2018

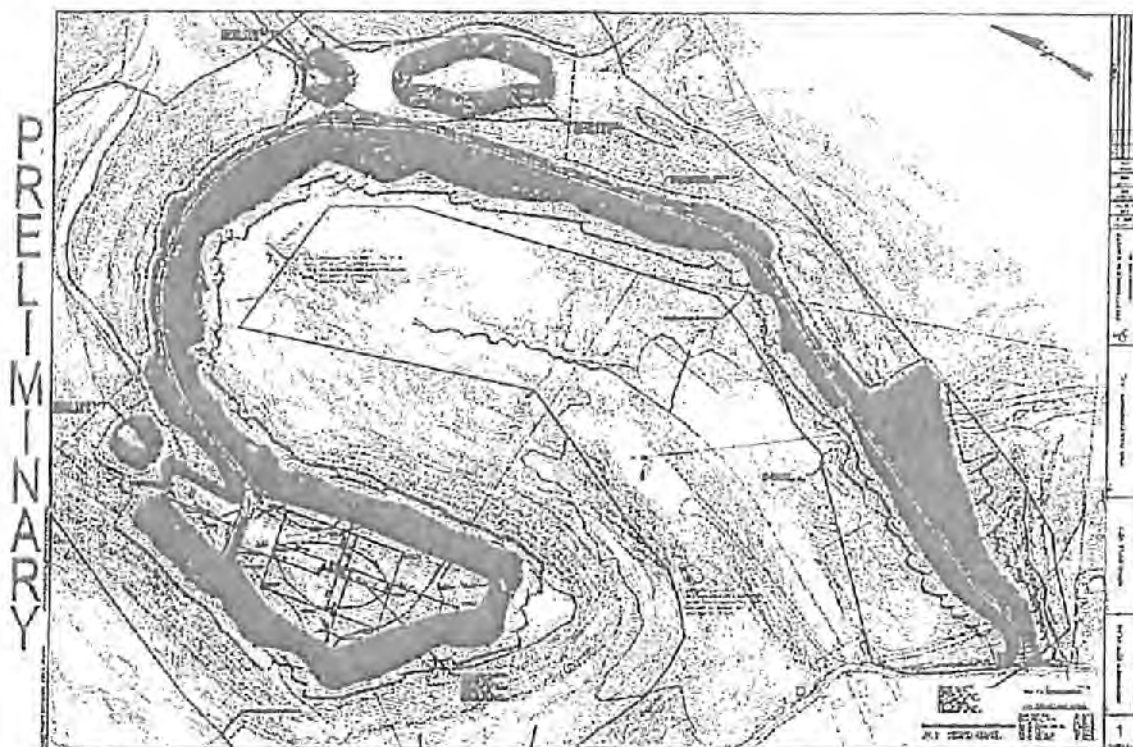
Mary Ann Russell  
NOTARY PUBLIC  
My Commission expires: 10-15-2018

Prepared by/Return to: CNX Gas Company LLC; 1000 CONSOL Energy Dr., Canonsburg PA 15317

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated December 2<sup>nd</sup>, 2014 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Phyllis J. Petrosky, a widowed woman, of 110 Chess St., Apt. 401, New Eagle, PA 15067 (Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 1-8-2



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Phyllis J. Petrosky*

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L. Blaney, Clerk  
Instrument 716598  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 486  
Pages Recorded 2  
Recording Cost \$

09/28/2018

11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Patricia J. Mumaw and Richard L. Mumaw, both individually, and as wife and husband, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "Property");
2. He/she previously executed a Surface Use Agreement dated May 31, 2017 which is of record in the Office of the County Clerk of Monongalia County in Book 1596, Page 256 as Instrument No. 694261.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 6<sup>th</sup> day of October, 2017.

Patricia J. Mumaw  
Patricia J. Mumaw

Richard L. Mumaw  
Richard L. Mumaw

STATE OF Ohio  
COUNTY OF Wayne

The foregoing instrument was acknowledged before me on the 6<sup>th</sup> day of October, 2017 by Patricia J. Mumaw and Richard L. Mumaw, both individually, and as wife and husband.

In witness hereof, I hereunto set my hand and official seal.

Office of Oil and Gas  
APR 6 2018  
West Virginia Department of Environmental Protection



BLAIR HARPER  
Notary Public, State of Ohio  
My Comm. Expires 04/06/2022  
Recorded in Ashland County

Blair Harper  
NOTARY PUBLIC  
My Commission expires: 4-6-22

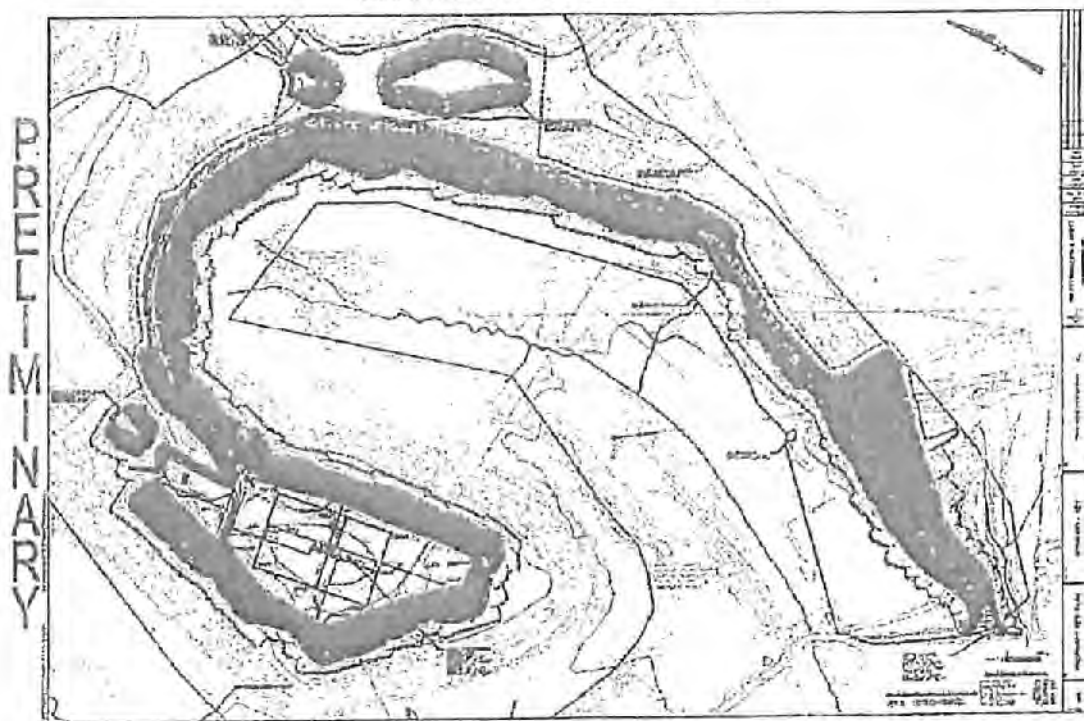


Exhibit "A"

6835

Attached hereto and made a part of that certain Agreement dated May 31, 2017 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (Operator), and Patricia J. Mumaw and Richard L. Mumaw, of 3344 Northridge Drive, Wooster, OH 44691(Grantor).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel #31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

*Patricia J. Mumaw*  
Patricia J. Mumaw

*Richard L. Mumaw*  
Richard L. Mumaw

CNX Gas Company LLC

*Timothy Surrick*  
Timothy Surrick, Assistant Vice President

REC'D  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

VOL 00128 PG 0490

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG PA 15317-6506

Monongalia County  
Carve L Blaney, Clerk  
Instrument 716600  
03/21/2018 @ 01:18:01 PM  
MISCELLANEOUS  
Book 128 @ Page 490  
Pages Recorded 3  
Recording Cost \$ 11.00

CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, Opal Jane Wise, Life Estate Holder, and John Matthew Wise and Dina M. Wise, Remaindermen, hereby certifies that:

1. He/she is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "*Property*");
2. He/she previously executed a Surface Use Agreement dated February 6, 2015 which is of record in the Office of the County Clerk of Monongalia County in Book 1520, Page 510 as Instrument No. 582526.
3. The Surface Use Agreement granted CNX Gas Company LLC the right to use the surface of the Property for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 10 day of October, 2017.

Opal Jane Wise  
Opal Jane Wise

John Matthew Wise  
John Matthew Wise

Dina M. Wise  
Dina M. Wise

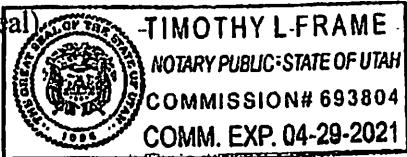
RECEIVED  
Office of Oil and Gas  
APR 6 2018  
West Virginia Department of  
Environmental Protection

STATE OF Utah  
COUNTY OF Carbon

The foregoing instrument was acknowledged before me on the 10 day of October, 2017 by **Opal Jane Wise, Life Estate Holder.**

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



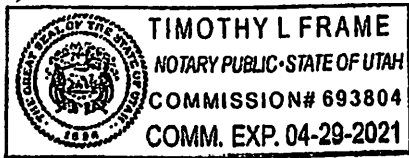
Timothy L. Frame  
NOTARY PUBLIC  
My Commission expires: 4-29-2021

STATE OF Utah  
COUNTY OF Carbon

The foregoing instrument was acknowledged before me on the 10 day of October, 2017 by **John Matthew Wise and Dina M. Wise, Remaindermen.**

In witness hereof, I hereunto set my hand and official seal.

(Notarial Seal)



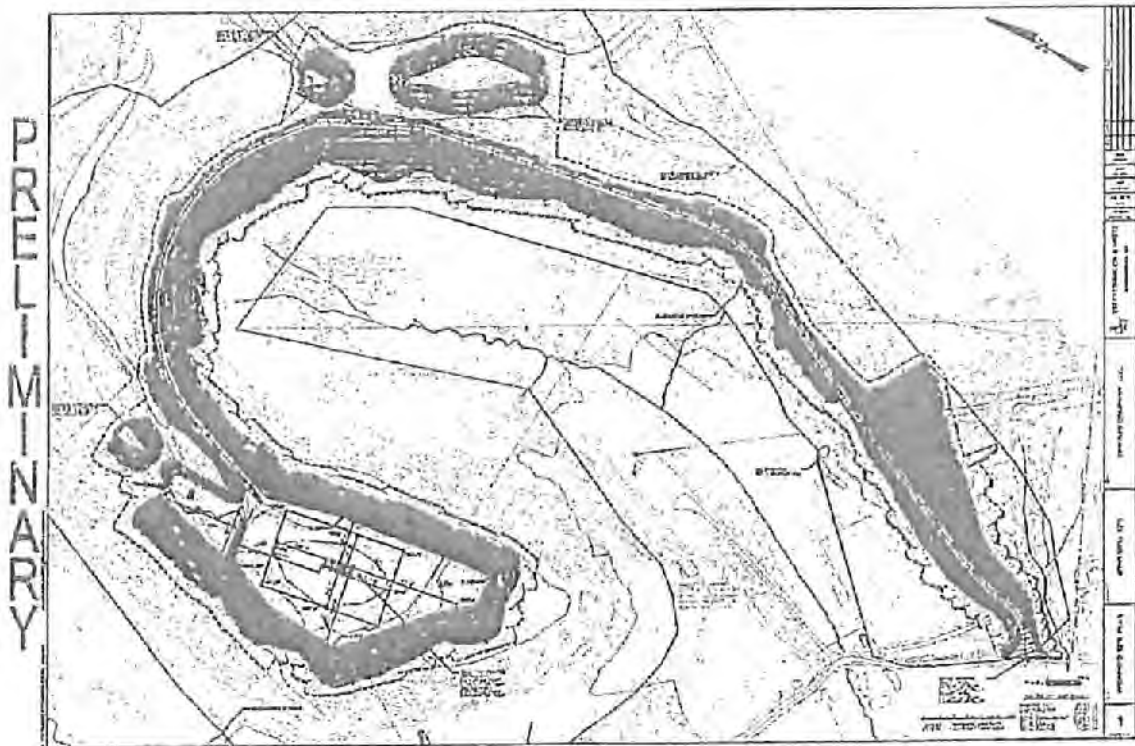
Timothy L. Frame  
NOTARY PUBLIC  
My Commission expires: 4-29-2021

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Exhibit "A"

Attached hereto and made a part of that certain Agreement dated Feb. 06, 2015 by and between CNX Gas Company LLC, a Virginia Limited Liability Company, of 1000 CONSOL Energy Drive, Canonsburg, PA 15317, (OPERATOR), and Opal Jane Wise, Life Estate Holder, having an address at 2002 West 600 North Hilltop Road, Price, Utah 84501 and John Matthew Wise and Dima M. Wise, Remaindermen, as joint tenants with right of survivorship, having an address at 2255 East 6500, South Price, UT 84501 (GRANTOR).

Property being located in Battelle District, Monongalia County, WV and referred to as Tax Map and Parcel # 31-01-0008-0002-0000



Locations shown are approximate, actual locations may vary due to deviations in terrain encountered during field inspections while work is in progress.

Grantor Approved

Opal Jane Wise  
John Matthew Wise  
Dima M. Wise

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 Office of Oil and Gas  
 APR 6 2018  
 West Virginia Department of  
 Environmental Protection

Prepared by/Return to: CNX Gas Company LLC, 1000 CONSOL Energy Drive, Canonsburg, PA 15317

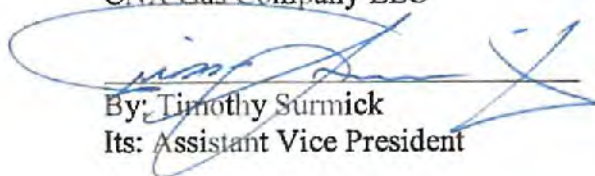
CERTIFICATION OF CONSENT AND EASEMENT (Deep Wells)

The undersigned, CNX Gas Company LLC ("CNX"), hereby certifies that:

1. CNX is an owner of the surface of that certain tract or parcel of land located in Battelle District, Monongalia County, State of West Virginia, identified as tax map 31-01-0008-0002-0000 (the "**Property**");
2. As such owner, CNX acknowledges the surface of the Property will be utilized for oil and gas development, including the consent and grant of an easement contemplated under West Virginia Code, Section 22C-9-7(b)(4) and Operating Rule 4.4 of the Rules and Regulations of the West Virginia Oil and Gas Conservation Commission, and the drilling and operation of a deep well, or wells, at the location shown on the attached plat or survey.

Executed this 29<sup>th</sup> day of March, 2018.

CNX Gas Company LLC



By: Timothy Surmick  
Its: Assistant Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF WASHINGTON

The foregoing instrument was acknowledged before me on the 29<sup>th</sup> day of March, 2018 by **Timothy Surmick**, who acknowledged himself to be the **Assistant Vice President** of **CNX Gas Company LLC**, a Virginia limited liability company, and that he as such, being authorized to do so, executed the foregoing instrument on behalf of **CNX Gas Company LLC**.

In witness hereof, I hereunto set my hand and official seal.  
(Notarial Seal)

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Casey Yantko, Notary Public  
Cecil Twp., Washington County  
My Commission Expires March 12, 2019  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Casey Yantko  
NOTARY PUBLIC  
My commission expires 3-12-2019

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APR 6 2018  
WV Department of  
Environmental Protection

09/28/2018  
VOTO

Attachment - Form WW-6A-1 for WDTNSCHSU

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
1	1-8-2	189010000	Richard W. Wise	CNX Gas Company, LLC	Not less than 1/8	1516/36
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard W. Wise and Sandra S. Wise	CNX Gas Company, LLC	Lease Amendment	1595/13
			Donald Wise	CNX Gas Company, LLC	Not less than 1/8	1516/486
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Thomas E. McCauley	CNX Gas Company, LLC	Not less than 1/8	1442/715
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard L. McCauley	CNX Gas Company, LLC	Not less than 1/8	1442/707
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Judy A. Eckman	CNX Gas Company, LLC	Not less than 1/8	1442/711
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert Stewart	CNX Gas Company, LLC	Not less than 1/8	1520/433
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen	CNX Gas Company, LLC	Not less than 1/8	1520/481
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Clifford J. Wise	CNX Gas Company, LLC	Not less than 1/8	1525/130
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Regina Wise Myers AKA Violet Regina Myers	CNX Gas Company, LLC	Not less than 1/8	1450/240
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/270
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Eleanor J. Wise	CNX Gas Company, LLC	Not less than 1/8	1501/809
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Walter C. Ord	CNX Gas Company, LLC	Not less than 1/8	1501/803
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			James Freeman Stewart	CNX Gas Company, LLC	Not less than 1/8	1501/806
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Victor E. Wise	CNX Gas Company, LLC	Not less than 1/8	1501/813
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/617
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Zelda Ruth Brummage	CNX Gas Company, LLC	Not less than 1/8	1500/762
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Eveline A. Everly Shaheen	CNX Gas Company, LLC	Not less than 1/8	1501/321
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Dexter Murle Stewart	CNX Gas Company, LLC	Not less than 1/8	1500/277
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	126/654
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Justin P. Stewart	CNX Gas Company, LLC	Not less than 1/8	1520/625
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Annette E. Stewart	CNX Gas Company, LLC	Not less than 1/8	1510/806
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Debora Goff	CNX Gas Company, LLC	Not less than 1/8	1529/256
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Walter R. Currence	CNX Gas Company, LLC	Not less than 1/8	1524/530
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Maureen S. Currence	CNX Gas Company, LLC	Not less than 1/8	1520/781
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Michelle L. Currence	CNX Gas Company, LLC	Not less than 1/8	1528/431
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Phyllis J. Petrosky	CNX Gas Company, LLC	Not less than 1/8	1510/203
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jesse D. Jones	CNX Gas Company, LLC	Not less than 1/8	1509/468
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Harold M. Jones, Jr.	CNX Gas Company, LLC	Not less than 1/8	1511/101
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	128/628
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Fred C. Wise and Alice F. Wise	CNX Gas Company, LLC	Not less than 1/8	1597/89
			Linda Stapp	CNX Gas Company, LLC	Not less than 1/8	1602/621
			Richard A. Nunley and Diana K. Nunley	CNX Gas Company, LLC	Not less than 1/8	1597/99
			Patricia J. Mumaw and Richard L. Mumaw	CNX Gas Company, LLC	Not less than 1/8	1598/230
			Donald E. Nunley	CNX Gas Company, LLC	Not less than 1/8	1596/260
			Mary Nunley Stappelton and Donald Stappelton	CNX Gas Company, LLC	Not less than 1/8	1597/85
			Jane Irons	CNX Gas Company, LLC	Not less than 1/8	1602/108
			Melissa Bockout	CNX Gas Company, LLC	Not less than 1/8	1602/113
			Eileen Ann Lyle	CNX Gas Company, LLC	Fee Conveyance	1600/462
			Robert Eugene Michael, Sr. and Darlene Ann Michael	CNX Gas Company, LLC	Fee Conveyance	1599/282
			Frank Dennis Michael, Jr. and Mary Frances Michael	CNX Gas Company, LLC	Fee Conveyance	1599/267
			Evelyn June Michael	CNX Gas Company, LLC	Fee Conveyance	1600/800
			Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin	CNX Gas Company, LLC	Fee Conveyance	1601/148
			Boyd Hawkins and Kari J. Hawkins	CNX Gas Company, LLC	Fee Conveyance	1601/152
			Becky Bortnick Hawkins	CNX Gas Company, LLC	Fee Conveyance	1605/324

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Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

Tract ID Tax Map & Parcel Title Opinion QLS # Grantor, Lessor, etc Grantee, Lessee, etc Royalty Book/Page

2015

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
2	1-8-3.1	204769000	Barbara J. Wagner CNX Gas Company, LLC Noble Energy, Inc. Barbara J. Wagner Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust	CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC	Not less than 1/8 Assignment Assignment Lease Amendment Not less than 1/8 Assignment Assignment	1506/533 128/628 131/339 1599/670 1507/427 129/312 131/339
3	1-8-1.3	239934000	CBC Holdings, LLC CBC Holdings, LLC CBC Holdings, LLC Edward L. Thomas and Diana Lee Thomas David Wayne Thomas Dorothy L. Stewart and Harold L. Stewart Jr. Earl W. Kennedy	CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Lease Amendment Lease Amendment Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1375/675 1415/388 1415/344 1599/675 1599/685 1599/680 1375/631
4	1-8-1.2	205005000	CBC Holdings, LLC CBC Holdings, LLC CBC Holdings, LLC David W. Deaton and Elizabeth K. Deaton CNX Gas Company, LLC Noble Energy, Inc. Earl W. Kennedy	CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Lease Amendment Lease Amendment Not less than 1/8 Assignment Assignment Not less than 1/8	1375/675 1415/388 1415/344 1459/36 129/270 131/339 1375/631
5	1-3-3.1	204775000	CBC Holdings, LLC CBC Holdings, LLC CBC Holdings, LLC Steven M. Macyda Steven M. Macyda Earl W. Kennedy	CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Lease Amendment Lease Amendment Not less than 1/8 Lease Amendment Not less than 1/8	1375/675 1415/388 1415/344 1520/461 1611/51 1375/631
6	1-3-4	204500000	James Edward Taylor Earl Lynn Taylor Harland Thomas and Rose Marie Thomas David E. Thomas Marylou Dixon	CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8 Fee Conveyance Fee Conveyance Fee Conveyance	1607/508 1607/553 1609/350 1611/55 1611/46
7	1-3-8	204500000	James Edward Taylor Earl Lynn Taylor	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	1607/508 1607/553
8	1-3-5	239939000	Rose Thomas	CNX Gas Company, LLC	Not less than 1/8	1604/621
9	1-3-6	239939000	Rose Thomas	CNX Gas Company, LLC	Not less than 1/8	1604/621
10	1-3-2	205498000	David Charles White and Regina Sue White Lucy Mae Sticklely CNX Gas Company, LLC Noble Energy, Inc. Marian R. Stone Garrett CNX Gas Company, LLC Noble Energy, Inc. Noble Energy, Inc. Patricia K. W. Hoekstra CNX Gas Company, LLC Noble Energy, Inc.	CNX Gas Company, LLC CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC CNX Gas Company, LLC Noble Energy, Inc. Noble Energy, Inc. CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Not less than 1/8 Assignment Assignment Assignment Not less than 1/8 Assignment Assignment	1614/136 1529/675 129/292 131/339 1527/235 129/312 131/339 1527/239 129/312 129/312 131/339

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Tract ID	Tax Map & Parcel	Title Opinion OLS #	Grantor, lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pages
			Richard H. Benson, II	CNX Gas Company, LLC	Not less than 1/8	1520/494
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Ahry S. White	CNX Gas Company, LLC	Not less than 1/8	1521/777
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Anita Talbott	CNX Gas Company, LLC	Not less than 1/8	1521/773
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Karen I. Meyers	CNX Gas Company, LLC	Not less than 1/8	1520/498
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Carol S. White Davis	CNX Gas Company, LLC	Not less than 1/8	1517/242
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Edwin R. White II	CNX Gas Company, LLC	Not less than 1/8	1520/502
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1526/591
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Frederick Tate	CNX Gas Company, LLC	Not less than 1/8	1527/556
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Timothy Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1527/663
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Alex Tate	CNX Gas Company, LLC	Not less than 1/8	1528/243
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jennifer Marie Carrington	CNX Gas Company, LLC	Not less than 1/8	1529/272
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert S. Elliot	CNX Gas Company, LLC	Not less than 1/8	1529/679
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jane E. McIntyre and Glenn C. McIntyre	CNX Gas Company, LLC	Not less than 1/8	1614/708
			Jan W. Ellison and Thomas A. Ellison	CNX Gas Company, LLC	Not less than 1/8	1614/704
			Marianne Ann Borkowski and Marc Borkowski	CNX Gas Company, LLC	Not less than 1/8	1614/645
			Edith B. White	CNX Gas Company, LLC	Not less than 1/8	1614/649
			Nancy Emerick	CNX Gas Company, LLC	Not less than 1/8	1614/145
			Betty Ann Reed	CNX Gas Company, LLC	Not less than 1/8	1612/556
			David Ray Stone	CNX Gas Company, LLC	Not less than 1/8	1606/619
			Donald E. 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
			Victor A. White (2/147)	N/A	Unleased	Unleased
			Melinda Reid Hatton (2/294)	N/A	Unleased	Unleased
			Dennis F. Hatton Jr. (2/568)	N/A	Unleased	Unleased
			Amenda Hatton (2/588)	N/A	Unleased	Unleased
Tract ID	Tax Map & Parcel	Title Opinion OLS #	Grantor, lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pages
11	1-3-2	204777000	David Charles White and Regina Sue White	CNX Gas Company, LLC	Not less than 1/8	1614/136
			Lucy Mae Stickley	CNX Gas Company, LLC	Not less than 1/8	1529/675
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Marian R. Stone Garrett	CNX Gas Company, LLC	Not less than 1/8	1527/235
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Patricia K. W. Hoekstra	CNX Gas Company, LLC	Not less than 1/8	1527/239
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Richard H. Benson, II	CNX Gas Company, LLC	Not less than 1/8	1520/494
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Ahry S. White	CNX Gas Company, LLC	Not less than 1/8	1521/777
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Anita Talbott	CNX Gas Company, LLC	Not less than 1/8	1521/773
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Karen I. Meyers	CNX Gas Company, LLC	Not less than 1/8	1520/498
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Carol S. White Davis	CNX Gas Company, LLC	Not less than 1/8	1517/242
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Edwin R. White II	CNX Gas Company, LLC	Not less than 1/8	1520/502
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1526/591
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Frederick Tate	CNX Gas Company, LLC	Not less than 1/8	1527/556
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Timothy Tate Jr.	CNX Gas Company, LLC	Not less than 1/8	1527/663
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/312
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Alex Tate	CNX Gas Company, LLC	Not less than 1/8	1528/243
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jennifer Marie Carrington	CNX Gas Company, LLC	Not less than 1/8	1529/272
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	129/292
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Robert S. Elliot	CNX Gas Company, LLC	Not less than 1/8	1529/679
			CNX Gas Company, LLC	Noble Energy, Inc.	Assignment	131/212
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	131/339
			Jane E. McIntyre and Glenn C. McIntyre	CNX Gas Company, LLC	Not less than 1/8	1614/708
			Jan W. Ellison and Thomas A. Ellison	CNX Gas Company, LLC	Not less than 1/8	1614/704
			Marianne Ann Borkowski and Marc Borkowski	CNX Gas Company, LLC	Not less than 1/8	1614/645
			Edith B. White	CNX Gas Company, LLC	Not less than 1/8	1614/649
			Nancy Emerick	CNX Gas Company, LLC	Not less than 1/8	1614/145

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 Environmental Protection



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Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Betty Ann Reed	CNX Gas Company, LLC	Not less than 1/8	1612/556
			David Ray Stone	CNX Gas Company, LLC	Not less than 1/8	1606/619
			Donald E. 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
			Sandra Pader	CNX Gas Company, LLC	Not less than 1/8	1605/608
			Victor A. White (4/147)	N/A	Unleased	Unleased
			Melinda Reid Hatton (2/147)	N/A	Unleased	Unleased
			Dennis F. Hatton Jr. (1/147)	N/A	Unleased	Unleased
			Amanda Hatton (1/147)	N/A	Unleased	Unleased
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
12	1-2-20	289936000	Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Hu's Land and Minerals LLC	EQT Production Company	Not less than 1/8	1516/270
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
13	1-3-1	289937000	Merrion Oil and Gas Corporation	EQT Production Company	Not less than 1/8	1516/268
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Hu's Land and Minerals LLC	EQT Production Company	Not less than 1/8	1516/270
			EQT Production Company	CNX Gas Company, LLC	Assignment	135/765
			Clark Donley Skiles	CNX Gas Company, LLC	Not less than 1/8	Not Yet Recorded Unrecorded Copy Attached

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APR 6 2018  
WV Department of Environmental Protection

5095

09/28/2018

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Unleased Owners	
Unit Name: WDTN5CHSU	

QLS #	205498000		
Tract ID	10		
TMP	1-3-2		
Total % of Tract Non-CNXC Controlled	2.72109%		
Unleased Owners	% of Tract Owned	% of Unit	Reason Unleased
Victor A. White	1.36054%	0.26887%	Declined Offer
Melinda R. Hatton	0.68027%	0.13443%	Declined Offer
Dennis F. Hatton Jr.	0.34014%	0.06722%	Declined Offer
Amanda Hatton	0.34014%	0.06722%	Declined Offer

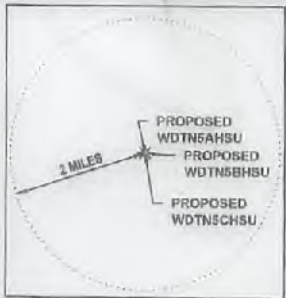
**Current Address**

Victor A. White	78 Bedington Rd Martinsburg, WV 25404
Melinda R. Hatton	1618 N. Lexington St. Apt. 3A Arlington, VA 22205
Dennis F. Hatton Jr.	7615 Glenolden Place Manassas, VA 20111
Amanda Hatton	7615 Glenolden Place Manassas, VA 20111

QLS #	204777000		
Tract ID	11		
TMP	1-3-2		
Total % of Tract Non-CNXC Controlled	5.44216%		
Unleased Owners	% of Tract Owned	% of Unit	Reason Unleased
Victor A. White	2.72108%	0.00920%	Declined Offer
Melinda R. Hatton	1.36054%	0.00460%	Declined Offer
Dennis F. Hatton Jr.	0.68027%	0.00230%	Declined Offer
Amanda Hatton	0.68027%	0.00230%	Declined Offer

Victor A. White	78 Bedington Rd Martinsburg, WV 25404
Melinda R. Hatton	1618 N. Lexington St. Apt. 3A Arlington, VA 22205
Dennis F. Hatton Jr.	7615 Glenolden Place Manassas, VA 20111
Amanda Hatton	7615 Glenolden Place Manassas, VA 20111

SHL is located on topo map 660 feet south of Latitude: 39° 42' 30"  
 BHL is located on topo map 10,860 feet south of Latitude: 39° 45' 00"



DETAIL  
 UTICA WELLS WITHIN 2 MILE RADIUS  
 SCALE 1" = 15,000'

**SURFACE HOLE LOCATION (SHL)**  
 UTM 17 - NAD83(M)  
 N: 4395394.759  
 E: 556827.076  
 NAD27 - WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
 LAT: 39°42'23.475"  
 LON: 80°20'13.543"

**APPROXIMATE LANDING POINT**  
 UTM 17 - NAD83(M)  
 N: 4395886.340  
 E: 557050.785  
 NAD27 - WV NORTH  
 N: 442111.760  
 E: 1765190.691  
 LAT/LON - NAD83  
 LAT: 39°42'39.366"  
 LON: 80°20'03.996"

**BOTTOM HOLE LOCATION (BHL)**  
 UTM 17 - NAD83(M)  
 N: 4396890.733  
 E: 556012.314  
 NAD27 - WV NORTH  
 N: 445464.425  
 E: 1761638.031  
 LAT/LON - NAD83  
 LAT: 39°43'12.191"  
 LON: 80°20'47.299"

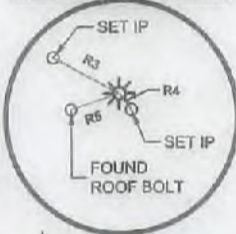
LINE #	BEARING	DISTANCE
R1	S13°08'15"W	948.31'
R2	N71°32'23"E	263.32'
R3	S62°05'51"E	389.96'
R4	N37°38'28"W	105.88'
R5	N71°32'23"E	263.32'

**NO DEEP WELLS WITHIN 3000'**

**LEGEND**

	TOPO MAP POINT		PROPOSED WELL		WATER SOURCE		SPRING		SURFACE TRACT		LEASED NUMBER BASED ON ATTACHED WDN5C		WELLS WITHIN 3000'		RECORD GAS WELL		FORCED POOLING AREAS		
	ALL ARE POINTS UNLESS OTHERWISE NOTED		LEASE BOUNDARY		UNIT BOUNDARY		PROPOSED HORIZONTAL WELL		SURFACE, OIL & GAS LINES		SURFACE TRACT LINES ONLY		GAS LEASE LINES ONLY		WELL REFERENCE		STREAM/WATERWAY		ROAD

**REFERENCE DETAIL**



**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING  
 1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: info@shefflerco.com

MINERAL TRACT BOUNDARY = 673.781 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

- NOTES**
1. There are no water wells or developed springs within 250' of proposed well.
  2. There are no existing buildings within 625' of proposed well.
  3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  4. There are no native trout streams within 300' of proposed well.
  5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted herein. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: WDTN5IHSM  
 DRAWING #: 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX1864: 1,496.32'

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.

SIGNED: [Signature]  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36



DATE: April 3, 2018, Rev. May 2, 2018  
 OPERATOR'S WELL #: WDTN6CHSU  
 API WELL # 47 061  
 STATE COUNTY PERMIT

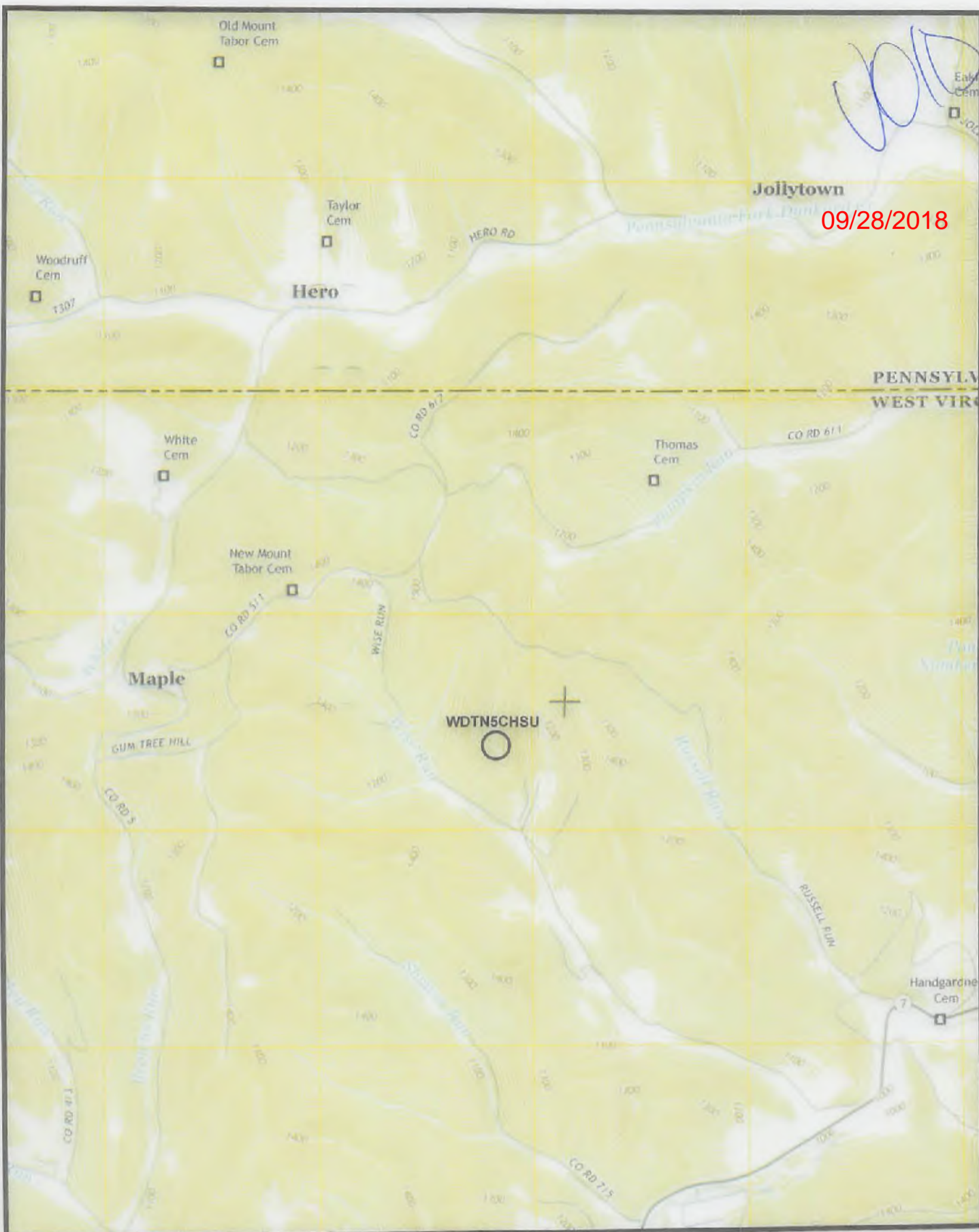
- DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT  
 WELL OPERATOR: CNX GAS COMPANY, LLC  
 Address: 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317

ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 DESIGNATED AGENT: CHRIS TURNER  
 Address: 1 DOMINION DRIVE  
 City JANE LEW State WV Zip Code 26378

09/28/2018

SHL is located on topo map 1,058 feet west of Longitude: 80° 20' 00"  
 BHL is located on topo map 3,612 feet west of Longitude: 80° 20' 00"



09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 2, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
STATE COUNTY PERMIT

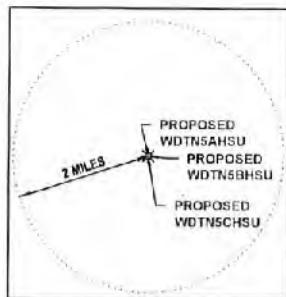
Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

SHL is located on topo map 660 feet south of Latitude: 39° 42' 30"  
 BHL is located on topo map 10,860 feet south of Latitude: 39° 45' 00"



DETAIL  
 UTICA WELLS WITHIN 2 MILE RADIUS  
 SCALE 1" = 15,000'

**SURFACE HOLE LOCATION (SHL)**

UTM 17 - NAD83(M)  
 N: 4395394.759  
 E: 559827.076  
 NAD27 - WV NORTH  
 N: 440510.955  
 E: 1764429.721  
 LAT/LON - NAD83  
 LAT: 39°42'23.475"  
 LON: 80°20'13.543"

**APPROXIMATE LANDING POINT**

UTM 17 - NAD83(M)  
 N: 4395885.340  
 E: 557050.765  
 NAD27 - WV NORTH  
 N: 442111.760  
 E: 1765190.691  
 LAT/LON - NAD83  
 LAT: 39°42'39.366"  
 LON: 80°20'03.996"

**BOTTOM HOLE LOCATION (BHL)**

UTM 17 - NAD83(M)  
 N: 4395890.733  
 E: 556012.314  
 NAD27 - WV NORTH  
 N: 445464.425  
 E: 1761858.031  
 LAT/LON - NAD83  
 LAT: 39°43'12.191"  
 LON: 80°20'47.299"

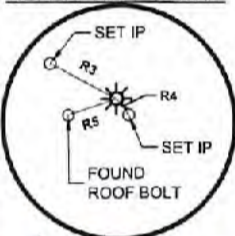
LINE #	BEARING	DISTANCE
R1	S13°08'15"W	948.31'
R2	N71°32'23"E	263.32'
R3	S62°05'51"E	389.96'
R4	N37°38'28"W	105.88'
R5	N71°32'23"E	263.32'

NO DEEP WELLS WITHIN 3000'

**LEGEND**

- TOPO MAP POINT
- PROPOSED WELL
- WATER SOURCE
- SPRING
- SURFACE TRACT
- LEASED NUMBER BASED ON ATTACHED WDTN5C
- WELLS WITHIN 3000'
- RECORD GAS WELL
- LEASE BOUNDARY
- UNIT BOUNDARY
- PROPOSED HORIZONTAL WELL
- SURFACE, OIL & GAS LINES
- SURFACE TRACT LINES ONLY
- GAS LEASE LINES ONLY
- WELL REFERENCE
- STREAM/ WATERWAY
- ROAD
- FORCED POOLING AREAS

**REFERENCE DETAIL**



**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING

1712 Mount Nebo Road  
 Sewickley, PA 15143  
 Phone: 412-219-4509  
 Email: info@shefflerCo.com

MINERAL TRACT BOUNDARY = 673.781 ACRES  
 UNIT BOUNDARY = 233.162 ACRES

**NOTES**

- There are no water wells or developed springs within 250' of proposed well
- There are no existing buildings within 625' of proposed well
- Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake
- There are no native trout streams within 300' of proposed well
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply
- It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE # WDTN5IHSM  
 DRAWING # 3601 - WDTN5C.DWG  
 SCALE: 1"=2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: USGS MONUMENT JX1864: 1,496.32'

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.

SIGNED:

R.P.E.: \_\_\_\_\_ L.L.S.: P.S. NO. \_\_\_\_\_



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 2, 2018  
 OPERATOR'S WELL #: WDTN5CHSU  
 API WELL # 47 061  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

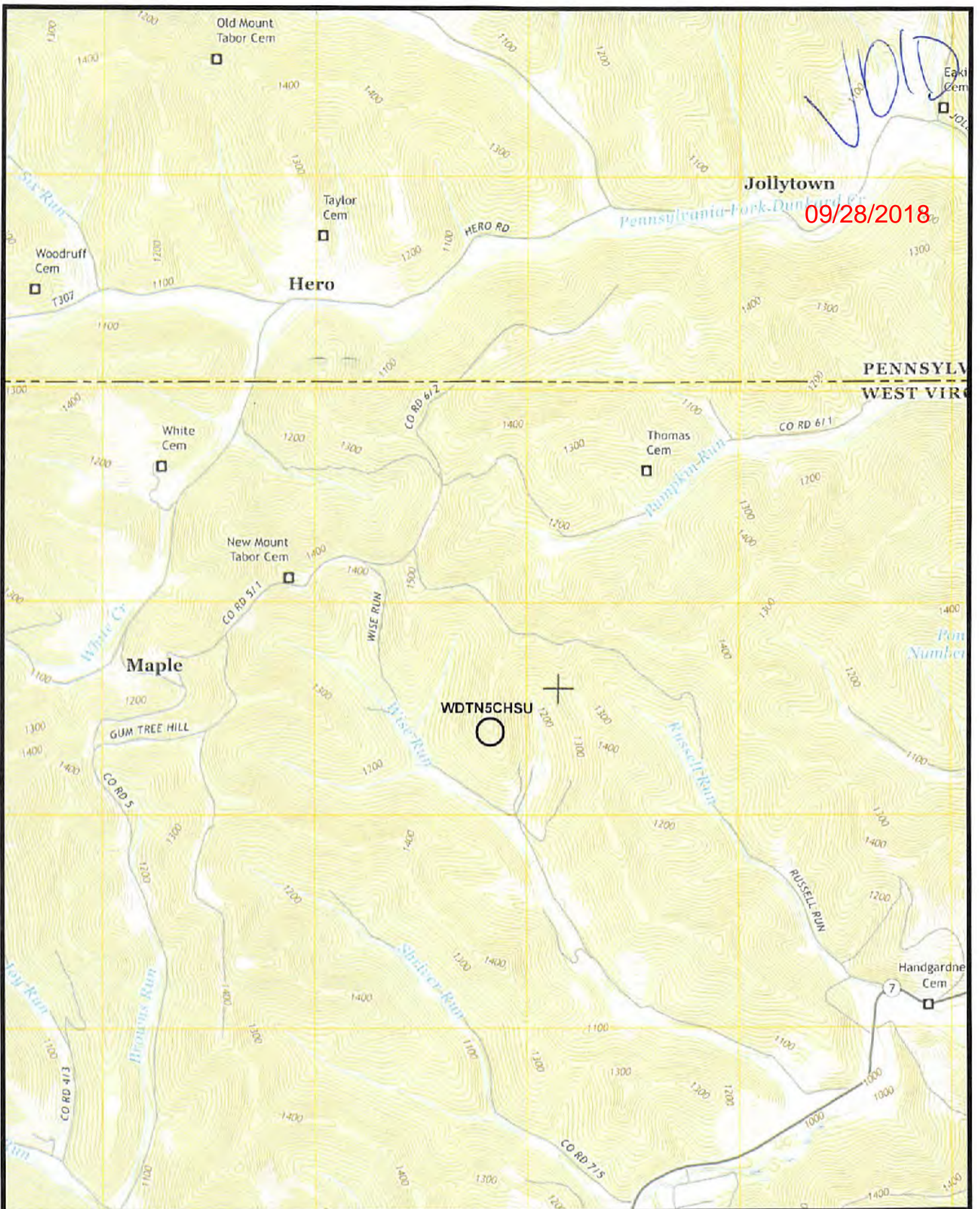
WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
 SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
 OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±  
 WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER  
 Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
 City: CANONSBURG State: PA Zip Code: 15317 City: JANE LEW State: WV Zip Code: 26378

09/28/2018

SHL is located on topo map 1,058 feet west of Longitude: 80° 20' 00"  
 BHL is located on topo map 3,612 feet west of Longitude: 80° 20' 00"



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 2, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK ELEVATION: 1412'

COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV

SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36

OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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TARGET FORMATION: POINT PLEASANT ESTIMATED DEPTH: TVD: 13,335' ± TMD: 18,845' ±

WELL OPERATOR: CNX GAS COMPANY, LLC DESIGNATED AGENT: CHRIS TURNER

Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE

City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

WDTNSCHSU UNIT = 233.162 ACRES TOTAL		
BATTELLE DISTRICT		
#	TAX MAP & PARCEL	UNIT ACRES
1	1-8, P/O PARCEL 2	60.461 Ac.
2	1-3, P/O PARCEL 3.1	9.633 Ac.
3	1-8, P/O PARCEL 1.3	12.585 Ac.
4	1-8, P/O PARCEL 1.2	1.323 Ac.
5	1-3, P/O PARCEL 3.1	1.653 Ac.
6	1-3, P/O PARCEL 4	49.976 Ac.
7	1-3, P/O PARCEL 8	6.864 Ac.
8	1-3, P/O PARCEL 5	4.744 Ac.
9	1-3, P/O PARCEL 6	0.574 Ac.
10	1-3, P/O PARCEL 2	46.077 Ac.
11	1-3, P/O PARCEL 2	0.788 Ac.
12	1-2, P/O PARCEL 20	22.145 Ac.
13	1-3, P/O PARCEL 1	16.339 Ac.

SURFACE TRACT OWNERS & TAX PARCEL		
1	DINA M WISE ET AL	1-8-2
2	BARBARA J WAGNER	1-8-3.1
3	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART	1-8-1.3
4	DAVID W & ELIZABETH K DEATON	1-8-1.2
5	JAMES EDWARD & EARL LYNN TAYLOR	1-3-5
6	JAMES EDWARD & EARL LYNN TAYLOR	1-3-4
7	STEVEN M MACYDA	1-3-3.1
8	ROY LEE JR & ERICA E. HALL	1-2-21
9	DENNIS & ROSE THOMAS	1-3-5
10	CONSOL MINING COMPANY LLC	1-3-2
11	DENNIS & ROSE THOMAS	1-3-6
12	ROY L HALL	1-2-20
13	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES	1-3-1

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
1	1-8-2	Richard W. Wise Donald Wise Thomas E. McCauley Richard L. McCauley Judy A. Eckman Robert Stewart Opal Jane Wise, Life Estate Holder and John Matthew Wise and Dina M. Wise, Remaindermen Clifford J. Wise Regina Wise Myers AKA Violet Regina Myers Eleanor J. Wise Walter C. Ord James Freeman Stewart Victor E. Wise Zelda Ruth Brummage Evaldo A. Everly Shaheen Dexter Murlie Stewart Justin P. Stewart Annette E. Stewart Debora Goff Walter R. Currence Maureen S. Currence Michelle L. Currence Phyllis J. Petrosky Jesse D. Jones Harold M. Jones, Jr. Fred C. Wise and Alice F. Wise Linda Stapp Richard A. Nunley and Diana K. Nunley Patricia J. Mumaw and Richard L. Mumaw Donald E. Nunley Mary Nunley Stelton and Donald Stelton Jane Irons Melissa Bookout Eileen Ann Lyle Robert Eugene Michael, Sr. and Darlene Ann Michael Frank Dennis Michael, Jr. and Mary Frances Michael Evelyn June Michael Tanya Chersin a/k/a Tonya Chersin a/k/a Tonya L. Chersin Boyd Hawkins and Kari J. Hawkins Becky Bortnick Hawkins	DINA M WISE ET AL
2	1-8-3.1	Barbara J. Wagner Donald L. White, individually and as agent for Helen J. Shriver, Larry L. Shriver, David B. Shriver, Robert A. Shriver, Shannon R. Shriver, George H. Shriver, Anne D. Coon, Harriet E. Rodriguez, Jack L. Shriver, Wilma S. Shriver, Linda L. White, Barbara Sue Shriver, individually and as Trustee of the Shriver Family Trust, and Gregory L. Shriver, Trustee of the Shriver Family Trust Arnold D. Anderson, individually, and as Trustee of the Arnold D. Anderson and Barbara J. Anderson Living Trust UTD May 14th, 2008	BARBARA J WAGNER
3	1-8-1.3	CBC Holdings, LLC Edward L. Thomas and Diana Lee Thomas David Wayne Thomas Dorothy L. Stewart and Harold L. Stewart Jr. Earl W. Kennedy	EDWARD L THOMAS, DAVID WAYNE & DOROTHY L STEWART
4	1-8-1.2	CBC Holdings, LLC David W. Deaton and Elizabeth K. Deaton Earl W. Kennedy	DAVID W & ELIZABETH K DEATON
5	1-3-3.1	CBC Holdings, LLC Steven M. Macyda Earl W. Kennedy	STEVEN M MACYDA
6	1-3-4	James Edward Taylor Earl Lynn Taylor Harland Thomas and Rose Marie Thomas David E. Thomas Marylou Dixon	JAMES EDWARD & EARL LYNN TAYLOR
7	1-3-8	James Edward Taylor Earl Lynn Taylor	JAMES EDWARD & EARL LYNN TAYLOR
8	1-3-5	Rose Thomas	DENNIS & ROSE THOMAS
9	1-3-6	Rose Thomas	DENNIS & ROSE THOMAS
10	1-3-2	David Charles White and Regina Sue White Lucy Mae Stickley Marian R. Stone Garrett Patricia K. W. Hoekstra Richard H. Benson, II Alvy S. White Anita Talbott Karen I. Meyers Carol S. White Davis Edwin R. White II Robert Tate Jr. Frederick Tate Timothy Tate Jr.	CONSOL MINING COMPANY LLC

VOID

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



**Sheffler & Company, Inc.**  
ENGINEERING • SURVEYING

1712 Mount Nebo Road      Phone: 412-219-4509  
Sewickley, PA 15143      Email: info@shefflerco.com

DATE: April 3, 2018, Rev. May 2, 2018

Well Type:     Oil     Waste Disposal     Production     Deep  
                   Gas     Liquid Injection     Storage     Shallow

OPERATOR'S WELL #: WDTNSCHSU  
API WELL #    47    061  
                          STATE    COUNTY    PERMIT

WATERSHED: DUNKARD CREEK      ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE      QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL.      ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL.      ACREAGE: 207.36

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

TARGET FORMATION: POINT PLEASANT      ESTIMATED DEPTH: TVD: 13,335' ±    TMD: 18,845' ±  
WELL OPERATOR: CNX GAS COMPANY, LLC      DESIGNATED AGENT: CHRIS TURNER  
Address: 1000 CONSOL ENERGY DRIVE      Address: 1 DOMINION DRIVE  
City CANONSBURG    State PA    Zip Code 15317      City JANE LEW    State WV    Zip Code 26378

Tract ID	Tax Map & Parcel	Grantor, Lessor, etc	Surface Owner
10 (CONT.)	1-3-2	Alex Tate	CONSOL MINING COMPANY LLC
		Jennifer Marie Carrington	
		Robert S. Elliot	
		Jane E. McIntyre and Glenn C. McIntyre	
		Jan W. Ellison and Thomas A. Ellison	
		Marianne Ann Borkowski and Marc Borkowski	
		Edith B. White	
		Nancy Emerick	
		Betty Ann Reed	
		David Ray Stone	
		Donald E. Stone	
		Doris Jean White	
		Victor A. White (2/147)	
		Melinda Reid Hatton (2/294)	
		Dennis F. Hatton Jr. (2/588)	
		Amanda Hatton (2/588)	
		11	
Lucy Mae Stickley			
Marian R. Stone Garrett			
Patricia K. W. Hoekstra			
Richard H. Benson, II			
Alvy S. White			
Anita Talbott			
Karen I. Meyers			
Carol S. White Davis			
Edwin R. White II			
Robert Tate Jr.			
Frederick Tate			
Timothy Tate Jr.			
Alex Tate			
Jennifer Marie Carrington			
Robert S. Elliot			
Jane E. McIntyre and Glenn C. McIntyre			
Jan W. Ellison and Thomas A. Ellison			
Marianne Ann Borkowski and Marc Borkowski			
Edith B. White			
Nancy Emerick			
Betty Ann Reed			
David Ray Stone			
Donald E. Stone			
Doris Jean White			
Sandra Pixler			
Victor A. White (4/147)			
Melinda Reid Hatton (2/147)			
Dennis F. Hatton Jr. (1/147)			
Amanda Hatton (1/147)			
12	1-2-20	Merrion Oil and Gas Corporation Hu's Land and Minerals LLC	ROY L HALL
13	1-3-1	Merrion Oil and Gas Corporation Hu's Land and Minerals LLC	CONSOLIDATION COAL COMPANY & CLARK DONLEY STILES
		Clark Donley Stiles	

VOID

09/28/2018

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304



**Sheffler & Company, Inc.**  
ENGINEERING • SURVEYING

1712 Mount Nebo Road Phone: 412-219-4509  
Sewickley, PA 15143 Email: info@shefflerCo.com

DATE: April 3, 2018, Rev. May 2, 2018

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

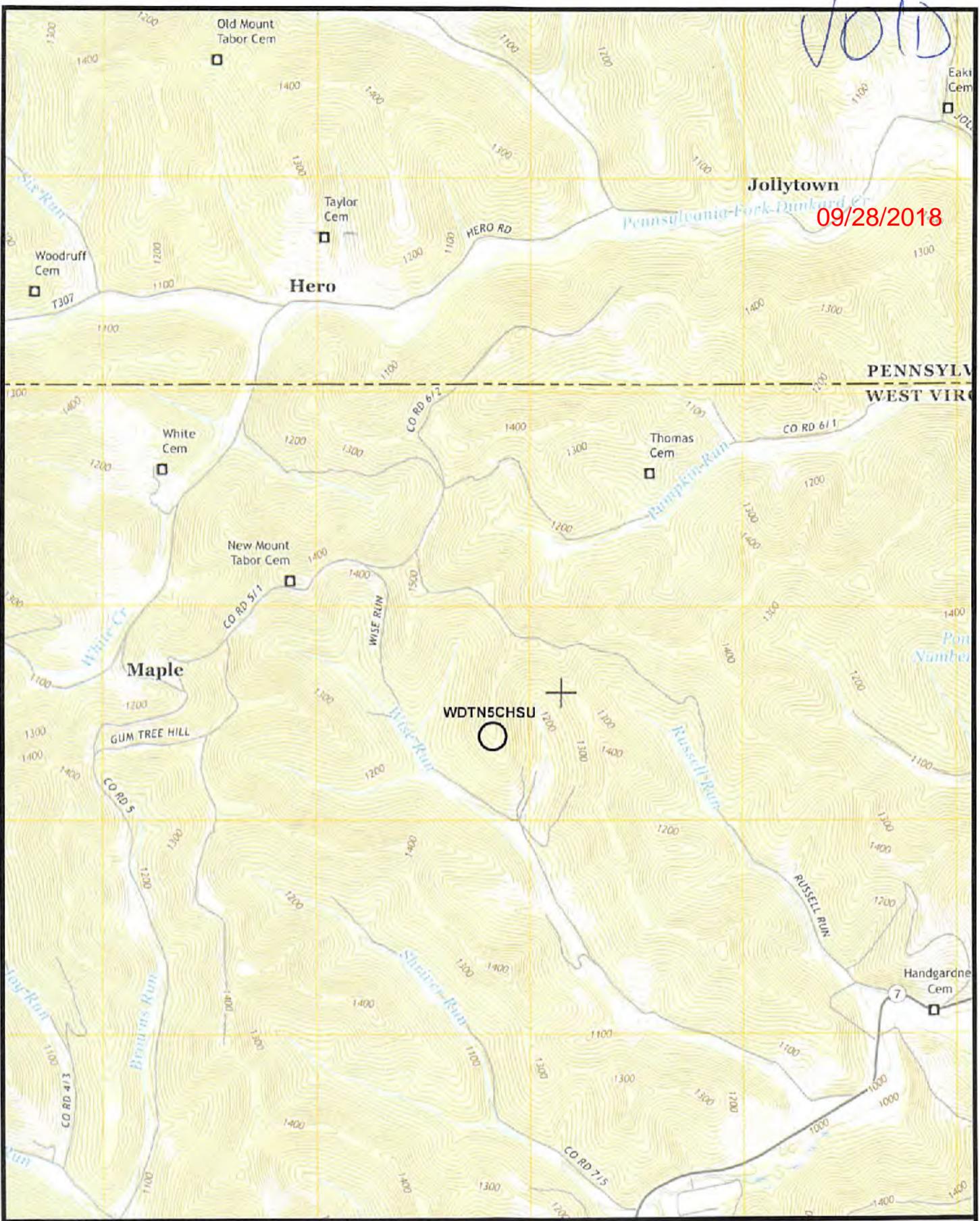
OPERATOR'S WELL #: WDTN5CHSU  
API WELL # 47 061  
STATE COUNTY PERMIT

WATERSHED: DUNKARD CREEK ELEVATION: 1412'  
COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: WADESTOWN, WV  
SURFACE OWNER: JOHN M. WISE, ET UX., ET AL. ACREAGE: 207.36  
OIL & GAS ROYALTY OWNER: RICHARD W. WISE, ET AL. ACREAGE: 207.36

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City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378





(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304



DATE: April 3, 2018, Rev. May 10, 2018

OPERATOR'S WELL #: WDTN5CHSU

API WELL # 47 061  
STATE COUNTY PERMIT

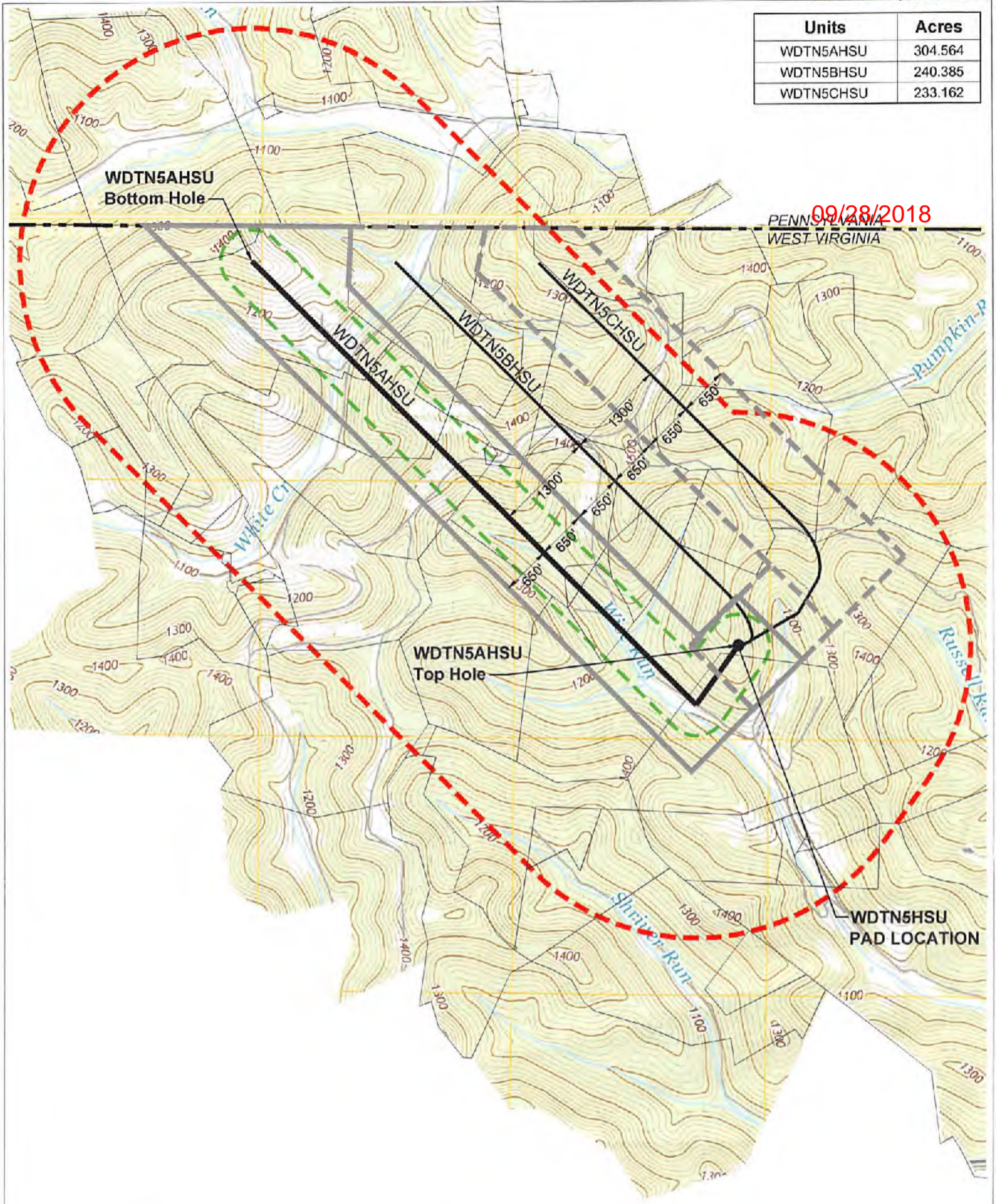
Well Type:  Oil  Waste Disposal  Production  Deep  
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Address: 1000 CONSOL ENERGY DRIVE Address: 1 DOMINION DRIVE  
City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

Units	Acres
WDTN5AHSU	304.564
WDTN5BHSU	240.385
WDTN5CHSU	233.162



WDTN5HSU Well Coordinate List (UTM 17- NAD83 - Meters)			
Well	Top Hole	Landing Point	Bottom Hole
WDTN5AHSU WV0610879HSUT	N:4395400.010 E:556820.241	N:4395316.869 E:556500.004	N:4396882.395 E:554881.365
WDTN5BHSU WV0610900HSUT	N:4395400.802 E:556826.284	N:4395601.605 E:556775.394	N:4396886.550 E:555446.854
WDTN5CHSU WV0610901HSUT	N:4395394.759 E:556827.076	N:4395886.340 E:557050.785	N:4396890.733 E:556012.314

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Office of Oil and Gas  
APR 6 2016  
WV Department of Environmental Protection

- - - - - 3,000' Offset
- - - - - 400' Deep Well Buffer
- WDTN5AHSU Unit Boundary
- - - - - Proposed CNX Unit Boundaries



Wadestown Project Area  
WDTN5HSU Unit Area  
Spacing Waiver Exhibit  
Battelle District, Monongalia County, WV

1000 Consol Energy Drive  
Canonsburg, PA 15317-6506  
This map is property of CNX Resources Corporation and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.  
© 2018 CNX Resources Corporation

Orig. Date: 02/14/18	Prepared by: JJD
Rev. Date: 03/20/18	Checked by:
Rev. Date:	Approved by:
Comments:	

(Scale in feet)

File Location:

OPERATOR: CNX Gas Company LLC

4706101807

PAD NAME: WDTN5 WELL: WDTN5CHSU

PAD BUILT: YES  NO DATE REVIEWED: 4-4-18 INT. ROH

REVIEWED BY (APPLICANT): Raymond Hoon

CONTACT PHONE: 724-485-3540 EMAIL: RaymondHoon@cnx.com

APPLICANT SIGNATURE: *Raymond Hoon*

### CHECKLIST FOR FILING A PERMIT HORIZONTAL 6A WELL

Please include these required elements in the Horizontal Well 6A applications, in order listed below. Do not use staples.

First Well	Subsequent Well
\$10,150.00 <input type="checkbox"/>	\$5,150.00 <input checked="" type="checkbox"/>

Fees

Checklist / Cover letter

DEEP WELL ITEMS

WW-6B Notice of Application

Field Approved

Cement Additives

Well Bore Schematic

WW-9 Fluids/Cuttings Disposal and Reclamation Plan

Field Approved

Site Safety Plan

Field Approved

Water Management Plan

DWWM Approval

Topographic Map w/water purveyors, showing access road

Mylar Plat (Signed and sealed) (Surface Owner matches WW-6A)

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Office of Oil and Gas

APR 6 2018

WW-6A1 Lease Information

WV Department of  
Environmental Protection

Road Crossing Letter

WW-PN Application Notice by Publication

Public Notice (dated copy of advertisement or affidavit of publication)

- WW-6AC Notice Certifications, notarized
- WW-6A Notice of Application notarized w/ any attachments
- Topographic Map with labeled surrounding water wells
- Certified Mail receipts for WW-6A
- N/A WW-6A3 Notice of Entry for Plat Survey
- N/A Certified Mail receipts for WW-6A3
- WW-6A4 Notice of Intent to Drill
- Certified Mail receipts for WW-6A4
- WW-6A5 Notice of Planned Operation
- Certified Mail receipts for WW-6A5
- N/A WW-6RW Well Location Restriction Waiver
  - Waiver for Surface Owner at Wellhead
  - Waiver for Surface Owner for Roads or other Disturbances
  - Waiver for Coal Owner, Operator or Lessee
  - Waiver for surface owner for Impoundment or Pit
  - Waiver for Surface Owner or Water Purveyor within 1500 feet of Center of Pad
  - Waiver for Natural gas Storage Field Operator
- Road Bonding Agreement / DOH Certification
- Frac Additives List of Chemical Names & CAS #s
- Site Construction, Reclamation, Erosion & Sediment Control Plans       Field Approved
- Copy of To Scale Plans → DN CD
- Inspector packet mailed to inspector (Plat, Topographic Map, WW-6B, WW-9, All Plans)
- Bond (\$250,000)
- Operator is registered with the SOS

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Office of Oil and Gas  
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WV Department of  
Environmental Protection

61-01807

Workers Compensation / Unemployment Insurance account is OK

Professional Engineer/Company has COA

Check for Mine Data at proposed coordinates

Check for Floodplain Data at proposed coordinates

N/A IMP-1A Associated Pit or Impoundment

N/A WW-6A7 Well Restrictions Form w/ Signature

\_\_\_\_\_ At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland

\_\_\_\_\_ DEP Waiver and Permit Conditions

\_\_\_\_\_ At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream

\_\_\_\_\_ DEP Waiver and Permit Conditions

\_\_\_\_\_ At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply

\_\_\_\_\_ DEP Waiver and Permit Conditions

\_\_\_\_\_ At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled

\_\_\_\_\_ Surface Owner Waiver and Recorded with County Clerk, OR

\_\_\_\_\_ DEP Variance and Permit Conditions

\_\_\_\_\_ At Least 625 Feet from an Occupied Dwelling Structure to the Center of the Pad

\_\_\_\_\_ Surface Owner Waiver and Recorded with County Clerk, OR

\_\_\_\_\_ DEP Variance and Permit Conditions

\_\_\_\_\_ At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad

\_\_\_\_\_ Surface Owner Waiver and Recorded with County Clerk, OR

\_\_\_\_\_ DEP Variance and Permit Conditions

RECEIVED  
Office of Oil and Gas  
APR 6 2018  
WV Department of  
Environmental Protection

09/28/2018



Raymond Hoon  
 Permitting Supervisor  
 1000 Consol Energy Dr.  
 Canonsburg, PA 15317  
 (724) 485-3540

May 3, 2018

West Virginia Department of Environmental Protection  
 Office of Oil & Gas  
 Attn: Ms. Susan Rose  
 601 57<sup>th</sup> Street, SE  
 Charlestown, WV 25304-2345

**Revisions per Comments (dated 5/2/18) for Horizontal Drilling Permit Applications**  
**WDTN5AHSU, WDTN5BHSU, WDTN5CHSU**

Dear Ms. Rose

Per your comments as received by email on 5/2/18, we have updated the above-mentioned permit applications. Enclosed is a copy as requested for your review. Following are responses to each of your comments.

1. *Under Section 1.0 Safety meetings please add the highlighted area. Describe schedule for conducting regular well site safety meetings. Log attendance at all meetings and also initiate check in check out during drilling, completion, and workover phases. (35-8 5.7.h)*  
**Understood. This sentence has been added to Section 1.7: Safety Meetings of the SSP.**
2. *Under Section 2.0 – I am attaching an example of Plan View Map for you to use. It needs the following shown: Plan view map of location, access road, pit(s), flare lines, nearby dwellings, note the north direction and the prevailing wind direction (35-8 5.7.b.1)*  
**A new map with these items has been added within the appendix.**
3. *The Topo maps needs the following – the one mile radius topo is good but you need the coordinates added and public route name.*
  - Topographic map of well location, including*
    - i. *1 mile radius of well location*
    - ii. *UTM NAD 83 coordinates of well site entrance (35-8 5.7.b.2)*
    - iii. *UTM NAD 83 coordinates of the point the access road intersects the public route (35-8 5.7.b.2)*
    - iv. *Identify public route number and/or route name (35-8 5.7.b.2)*

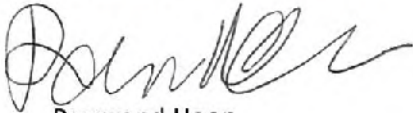
**The above items have been added to a revised topo map, which is now included within the appendix.**

61-01807  
09/28/2018

4. Under Section 9 Deep well requirements: Please add telephone numbers to your contact list of everyone within 1 mile radius since that is your preferred method of contact listed.  
**The known phone numbers for the surface owners has been added to the list of surface parcels within 1 mile of the well pad.**
5. *The target formation on the plat says Poiny Pleasant. Please send in corrected plat.*  
**Plat has been updated and included.**
6. *Under notes on the plat it should have something to the effect of no deep wells within 3000' on each plat.*  
**Note saying No deep wells within 3000' has been added to the plats.**

If any further information or correspondence is required, please contact me at (724) 485-3540 or [RaymondHoon@cnx.com](mailto:RaymondHoon@cnx.com).

Sincerely,



Raymond Hoon  
Permitting Supervisor

09/28/2018



Erika Whetstone  
Permitting Manager  
1000 Consol Energy Drive  
Canonsburg, PA 15317  
724-485-4035

May 10, 2018

West Virginia Department of Environmental Protection  
Office of Oil & Gas  
Attn: Ms. Susan Rose  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304-2345

Horizontal Drilling Permit Application – Revised Forced Pooling Tracts

WDTN5AHSU  
WDTN5BHSU  
WDTN5CHSU

Dear Ms. Rose,

As discussed recently by phone, enclosed are some updates to our leasing & forced pooling for the above referenced Utica wells. There are some ownerships that were unleased at the time of original submission, that are now leased and will no longer be force pooled. These updates are reflected on the enclosed revised plats, WW6A1 lease lists, unleased owners lists, and 1,500' operators' list.

If any further information or correspondence is required, please contact me at 724-485-4035 or [ErikaWhetstone@CNX.com](mailto:ErikaWhetstone@CNX.com).

Sincerely,

A handwritten signature in black ink that reads 'E. Whetstone'.

FOR: Erika Whetstone  
Permitting Manager



09/28/2018

47 06 10 18 07



CK# 2146015303  
\$ 5150<sup>00</sup>  
Date 3/14/18

Raymond Hoon  
Permitting Supervisor  
1000 Consol Energy Dr.  
Canonsburg, PA 15317  
(724) 485-3540

April 4, 2018

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

**Horizontal Drilling Permit Applications**

Deep well "WDTN5AHSU"  
Deep well "WDTN5BHSU"  
Deep well "WDTN5CHSU"

RECEIVED  
Office of Oil and Gas

APR 6 2018

WV Department of  
Environmental Protection

Dear Sir or Madam,

CNX Gas Company LLC (CNX) is applying for horizontal well permits to drill and produce the subject WDTN5HSU Utica lease wells, located in Monongalia County, West Virginia. Enclosed are the completed applications. We would like to request a spacing exception hearing from the WV Oil and Gas Conservation Commission, as these deep wells will be located less than 3,000' from one another. We are proposing inter lateral spacing of 1300,' as shown in the attached exhibit.

In addition to the spacing exception hearing, we would also like to request approval for forced pooling in each of the well units. A detailed breakdown of each unleased owner has been provided.

If any further information or correspondence is required, please contact me at (724) 485-3540 or [RaymondHoon@cnx.com](mailto:RaymondHoon@cnx.com).

Sincerely,

A handwritten signature in blue ink that reads "Raymond Hoon".

Raymond Hoon  
Permitting Supervisor