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west virginia department of environmental protection

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

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

Tuesday, September 6, 2022  
WELL WORK PERMIT  
Horizontal 6A / New Drill

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR  
CANONSBURG, PA 15317

Re: Permit approval for WDTN19DHSM  
47-061-01910-00-00

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

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

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

James A. Martin  
Chief

Operator's Well Number: WDTN19DHSM  
Farm Name: CNX GAS COMPANY LLC  
U.S. WELL NUMBER: 47-061-01910-00-00  
Horizontal 6A New Drill  
Date Issued: 9/6/2022

Promoting a healthy environment.

09/09/2022

## PERMIT CONDITIONS

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

### CONDITIONS

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

## PERMIT CONDITIONS

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

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

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

2) Operator's Well Number: WDTN19DHSM Well Pad Name: WDTN19

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

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

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

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

6) Existing Pad: Yes or No Yes

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

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

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

10) Proposed Total Measured Depth: 23,354' MD at TD

11) Proposed Horizontal Leg Length: 14,704'

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

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

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

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

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

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

(a) If Yes, provide Mine Info: Name: see mine map  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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18) **CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft./CTS)
Conductor	20	New	L/S	<94.0	75	46 ✓	96 / CTS
Fresh Water	13.375	New	J-55	54.5	1,135	1,106 ✓	960 / CTS
Coal	13.375	New	J-55	54.5	1,135	1,106	960 / CTS
Intermediate	9.625	New	J-55	36	2,960	2,931 ✓	1,025 / CTS
Production	5.5	New	P-110	23	23,354	23,325 ✓	4,735 / TOC @ 1,550'
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	NA						

✓ Kenneth Greynolds  
Digitally signed by: Kenneth Greynolds  
 DN: cn = Kenneth Greynolds, email = Kenneth.L.Greynolds@nev.gov, c = AD O = WVDOP, ou = Oil and Gas  
 Date: 2022.09.09 09:41:45 -0400

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

**PACKERS**

Kind:	N/A			
Sizes:				
Depths Set:				

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

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

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

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

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

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

23) Describe centralizer placement for each casing string:

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

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

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

25) Proposed borehole conditioning procedures:

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

\*Note: Attach additional sheets as needed.

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## WDTN19 Cement Additives

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

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

		<b>WDTN-19D-HSM SHL</b>		<b>N 435721.8963, E 1764881.0519 (NAD27)</b>	
<b>Ground Elevation</b>	<b>1264' GL Elevation</b>		<b>WDTN-19D-HSM LP</b>		<b>N 434467.2449, E 1763711.3189 (NAD27)</b>
<b>Azimuth</b>	<b>320°</b>		<b>WDTN-19D-HSM BHL</b>		<b>N 422422.393, E 1772145.2151 (NAD27)</b>

WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	Tops (RKB)		MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
				MD	MD					
	24"	20" L/S	Soil and Rock			AIR	To Surface	N/A	N/A	Stabilize surface fill/soil
			<b>Conductor</b>	<b>129</b>	<b>129</b>					
	17-1/2"	13-3/8" 54.5# J-55 BTC	<b>DFGW</b>		208	AIR / FW Mist	15.8 ppg Class A + 1% to 3% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Ensure the hole is clean at section TD	Set through fresh water zones Set through coal zones Cemented to surface  13-3/8" shoe NOT to be set deeper than ground level
			Waynesburg Coal		708					
			Pittsburgh Coal (Solid)		1,060					
			<b>FW/Coal Casing</b>	<b>1,135</b>	<b>1,135</b>					
	12-1/4"	9-5/8" 36.0# J-55 LTC	Upper Freeport Coal		1,644	AIR / Soap	15.8 ppg Class A + 0% to 2% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Soap the hole as needed and ensure the hole is clean at section TD	Set through potential salt water zones Cemented to surface  Casing to be set ~200'-250' below the Big Injun base
			Lower Freeport Coal		1,685					
			Middle Kittanning Coal		1,808					
			Big Lime		2,419					
			Keener Sand		2,479					
			Big Injun Sand		2,509					
			Price Formation		2,690					
	<b>Intermediate Casing</b>	<b>2,960</b>	<b>2,960</b>							
	8-3/4" Tangent	5-1/2" 20.0# P-110 VAR	50 Foot		3,079	AIR	15.0 ppg Class A 50:50 Poz with additives (retarder, suspension agent, gas block, defoamer, fluid loss, extender, etc.)  10% OH Excess Yield = 1.07  TOC @ >= 200' above 9-5/8" shoe	Centralize every joint from shoe to KOP - TOC  Single-piece/rigid bow centralizers	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up)  Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement	Note: For all strings, actual centralizer placements may be changed due to hole conditions  Note: For all strings, actual cement blends may vary slightly depending upon service company utilized
			Gordon		3,139					
			Fifth		3,304					
			Bayard		3,351					
			Elks		5,289					
			Rhinestreet		7,406					
Cashaqua				7,672						
Burkett				7,788						
Tully				7,815						
Hamilton				7,851						
Marcellus				7,880						
<b>Production Casing</b>			<b>23,354</b>	<b>7,913</b>						

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LP @ +/- 7913' TVD      8-3/4" x 8-1/2" Hole - Cemented Long String      +/- 14705' Lateral      TD @ +/- 23354' TVD  
 5-1/2" 20.0# P-110 VAR

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WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. WDTN19DHSM

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

**FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN**

Operator Name CNX Gas Company LLC OP Code 494458046

Watershed (HUC 10) Dunkard Creek Quadrangle Wadestown

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

Will a pit be used? Yes  No

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

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

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

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

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

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

-Landfill or offsite name/permit number? See Attachment

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

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

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

Company Official Signature Sarah Weigand RECEIVED  
 Company Official (Typed Name) Sarah Weigand Office of Oil and Gas  
 Company Official Title Permitting Services Manager AUG 04 2022

Subscribed and sworn before me this 3 day of August, 2022 WV Department of Environmental Protection

Todd Fleming Notary Public  
 My commission expires September 23, 2024  
 Commonwealth of Pennsylvania - Notary Seal  
 Todd Fleming, Notary Public  
 Washington County  
 My commission expires September 23, 2024  
 Commission number 09/09/2022  
 Member, Pennsylvania Association of Notaries

A	B	C	D	E	F	G	H
1 Type of Waste	Disposal Company Name	Disposal Location	Disposal Location Co	Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact Information
2 Non-Haz Disosal	Apex Sanitary Landfill (Apex Environmental)**	11 County Road 78 Amsterdam, Ohio 43903	N/A	Apex Environmental Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Solidification Services, Municipal Solid Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 picocuries per gram above the natural background level.	Landfill Office: (740) 543-4389  Dave Brown 412-848-1828, dbrown@ApexF.com
3 Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	2326 McClellandtown Road, Masontown, PA 15461	39.853056, -79.924786	Appalachian Water	WMGR GP No. 123SW001 WQM Industrial Waste Permit No.: 2608201 A-2	Brine (Produced Water) and oily water from compressor stations.	Rob Bealko 304-291-0383 Office 304-282-8814 Cell rob.bealko@nuverra.com Office: 740-609-3800
4 Brine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, - 80.711630	N/A	N/A	Brine (Produced Water)	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph:(585) 704-2744 Fax: 484 624-5506* Office: 740-609-3800
5 RW & TENORM	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, - 80.711630	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph:(585) 704-2744 Fax: 484 624-5506
6 RW & TENORM	Belmont Solids Control	78405 Cadiz-New Athens Rd. Cadiz, OH 43907	40.238830, - 81.003900	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Dave Brown 412-848-1828 Mark Winsap 330-692-0423; dbrown@ApexF.com
7 Brine Injection - Treatment	Cambrian Well Services - Kemble (Orr Petroleum Corporation)	Zanesville, Muskingum County, Perry Township, OH	39.974954, -81.845389 37.087460, - 82.047918	Kemble 1-D (SWIW#28)	34-119-2-8780	Brine (Produced Water)	Bob Orr 740-796-6495 614-648-8898 orppetro@gmail.com
8 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.222201, - 81.959987	BPC01	VAS2D9608BUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
9 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.184198, - 82.082549	N26	VAS2D9308BUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
10 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.120547, - 81.961222	U7	VAS2D9268BUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
11 Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	37.147934, - 82.075320	AW114A	VAS2D970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
12 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.147934, - 82.075320	Ball Well	VAS52D9218BUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
13 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.426278, - 81.502379	Order No. 2015-452; Vocational School No. 2 Well; SWIW No. 20	API # 34-167-2-9543-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206   Cell: 304.588.0936
14 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.425172, - 81.507900	Order No. 2015-582; Heinrich Unit #2 Well, SWIW No. 22	API # 34-167-2-9464-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206   Cell: 304.588.0936
15 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.429867, - 81.511020	Order No. 2015-581; Heinrich Unit #1 Well, SWIW No. 21	API # 34-167-2-9445-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206   Cell: 304.588.0936
16 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39.402842, - 81.478913	Order No. 2019-79; American Growers No. 1 Well, SWIW No. 25	API # 34-167-2-9766-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC Office: 740.371.5078 ext. 206   Cell: 304.588.0936

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A	B	C	D	E	F	G	H	
17	RW & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	41540 National Road Belmont, OH 43718	40.0687, -81.04963	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab. Non-radioactive material & radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/lab. Liquid/semi-solids treatment and separation for waste disposal.	Orin David Orin.david@trooclean.com 918-413-6426
18	Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH	39.973643, -81.825727	Pattison Trust No. 1-D (SWIW #30)	API # 34-119-2-8803	Brine (Produced Water)	Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
19	Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Barnsville, Belmont County, OH	NEED	Buckeye UIC Barnsville (SWIW #2)	34-013-2-0609 UIC #609	Frac water, brine, produced water	Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
20	RW & TENORM	Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26059	40.06886, -80.61492	N/A	N/A	Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs ex. Also they do washouts and they have storage capacity at 2000bbl for 10lb brine and 10.5lb brine.	Kevin Flaherty (412)973-2586
21	Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820	37.495138, -81.105161	Camp Creek Disposal Well	UIC: UIC2D0550319 API: 47-055-00319	Class II injection fluids that are in connection with conventional oil or gas production and may be commingled with waste waters from gas plants unless those waters are classified as hazardous wastes at the time of injection.	Zachery Reed zacheryr4@yahoo.com PO Box 555, Rose Dale, VA 24280 Phone: (276) 880-2323
22	Brine Injection - Treatment	Greene County Water Treatment, Inc.	401 Jefferson Rd. Waynesburg, PA 15370	39.908611, -80.141111	Waynesburg Facility	WMGR1235W010	Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6176 JRBGCarpenter@aol.com Office: (330) 270-9900
23	RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41.113260, -80.674500	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Larry Chamberlain 330-398-5919 lchamberlain@lwc-inc.com
24	Brine Injection - Treatment	Hydro Recovery	572 Route 18 Burgettstown, PA 15021	40.422874, -80.426125	Burgettstown Facility	WMGR1235W019	Oil and Gas Fluids with minimal oil and solids present	Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoveryip.com
25	Non-Haz Disosal	Mascaro & Sons- Wetzel Co LF	1521 Wetzel County Landfill Rd. New Martinsville, WV 26155	N/A	Wetzel County Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Process Waste, Municipal Solid Waste	Terry Gadd terry.gadd@jpmascaro.com, 610-636-4133
26	RW & TENORM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531, -81.449219	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM), and high level TENORM material handling, storage, and transport. (TENORM downblending of low level TENORM material (< 85 pCi) on-site. High level TENORM (< 85 pCi) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).	Paul Williams 740-995-0684 mudmasterspw@gmail.com Billing Address: 739 Southgate Pkwy, Cambridge, Ohio 43725
27	Non-Haz Disposal	MXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210				Spencer to complete	John Twiddy johnh@mxilinc.com 276-628-6636 ext. 202; 276-608-0003 Cell
28	Non-Haz Disosal	Noble Environmental Landfill (Former Westmoreland Waste)	111 Conner Lane, Belle Vernon, PA 15012	N/A	Noble / Westmoreland Sanitary Landfill		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Customer Service: (724) 929-7694
29	RW & TENORM	Pressure Tech	7675 East Pike Norwich, Ohio 43767	39.97415, -81.844765	N/A	N/A	Non-TENORM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have elevated levels of TENORM or compressor station water.	Bob Orr: 614-648-8898
30	Oilly & Oilly Water Treat - Recycle	Quala	515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A	Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.	330-264-8080 (O) jwater@quala.us.com
31	Non-Haz Disosal	Republic Services - Carbon-Limestone**	8100 S State Line Rd, Lowellville, OH 44436	N/A	Carbon-Limestone Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 picocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
32	Non-Haz Disosal	Republic Services - Imperial (Allied Waste of PA)	11 Boggs Rd, Imperial, PA 15126	N/A	Imperial Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330-536-7575
33	Non-Haz Disosal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003	N/A	Short Creek Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330-536-7575

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A	B	C	D	E	F	G	H	
34	Brine Injection - Treatment	Reserved Environmental Services (RES)	1119 Old Route 119 South Mt. Pleasant, PA 15666	40.215555, -79.606388	New Stanton Facility	WMGR123SW005	Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
35	Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Lippencott Road Waynesburg, PA 15370	39.945555, -80.140833	Waynesburg Facility	WMGR123SW031	Oil and Gas Fluids with minimal oil and solids present	Matt Kicinski 814-574-9701 mkicinski@reswater.com
36	Hazardous Waste Disposal	Safety Kleen	10 Industrial Park Drive Wheeling, WV 26003	N/A	Wheeling Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Gordon Cooper Gordon.cooper@safety-kleen.com 304-215-2284 1-866-670-9034
37	Oily & Oily Water Treat - Recycle	Spirit Services, Inc.	173 Industrial Park Ln., Beech Bottom, WV 26030	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix. Also offer transportation and solidification services. Capable of other types of waste disposal and handling with prior Environmental and Supply Chain approval.	Joe Staton: 717-360-7916 Office: 301-223-1251 Fax: 301-223-1253 jstaton@spiritservices.com
38	Oily & Oily Water Treat - Recycle	Valcor Environmental Services LLC	915 N. 8th Ave, Huntington, WV 25201	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix, oil, oil filters, and antifreeze only.	Corporate Number: 734-442-2353 Guy Turturice gturturice@valcor.com 304-963-1563 Steve Atkinson SAtkinson@valcor.com
39	Non-Haz Disosal	Waste Management - American Landfill	7916 Chapel St SE, Waynesburg, OH 44688	N/A	American Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
40	Non-Haz Disosal	Waste Management - Ardan Landfill	200 Rangos Ln, Washington, PA 15301	N/A	Arden Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
41	Non-Haz Disposal	Waste Management - Chestnut Ridge	385 Harr Ln, Blountville, TN 37617				Spencer to complete	Travis Maryanski tmaryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service
42	Non-Haz Disosal	Waste Management - Evergreen Landfill	1310 Luciusboro Rd, Blairsville, PA 15717	N/A	Evergreen Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
43	Non-Haz Disosal	Waste Management - Kelly Run	1500 Hayden Blvd, Elizabeth, PA 15037	N/A	Kelly Run Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
44	Non-Haz Disosal	Waste Management - Mahoning Landfill	3510 E Garfield Rd, New Springfield, OH 44443	N/A	Mahoning Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Non-Friable Asbestos, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
45	Non-Haz Disosal	Waste Management - Meadowfill Landfill	1488 Dawson Dr, Bridgeport, WV 26330	N/A	Meadowfill Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
46	Hazardous Waste Disposal	Waste Management - Model City	1550 Balmer Rd Youngstown, NY 14174	N/A	Model City Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Linda Davie: 716-286-0365 or 716-754-8231 or 800-963-4776
47	Non-Haz Disosal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WV 26104	N/A	Northwestern Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
48	Non-Haz Disosal	Waste Management - S&S Grading Landfill	4439 Good Hope Pike, Clarksburg, WV 26301	N/A	S&S Grading Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
49	Non-Haz Disosal	Waste Management - South Hills (Arnon)	3100 Hill Rd, South Park Township, PA 15129	N/A	South Hills Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com
50	Non-Haz Disosal	Waste Management - Valley Landfill	6015 Pleasant Valley Rd, Irwin, PA 15642	N/A	Valley Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnsw@wm.com

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**CNX Gas Company LLC**

Proposed Revegetation Treatment: Acres Disturbed 21.0 Prevegetation pH 6.5

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

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch hay or straw @2 Tons/acre

**Seed Mixtures**

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

**Attach:**

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Kenneth Greynolds  
Digitally signed by: Kenneth Greynolds  
DN: cn = Kenneth Greynolds, email = Kenneth.L.Greynolds@ev  
gov, c = AD O = WVDEP CU = Oil and Gas  
Date: 2022.08.03 08:40:47 -0400

Comments: \_\_\_\_\_  
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Title: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No

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## WDTN19 Pad Frac - SOG Review

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

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

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

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

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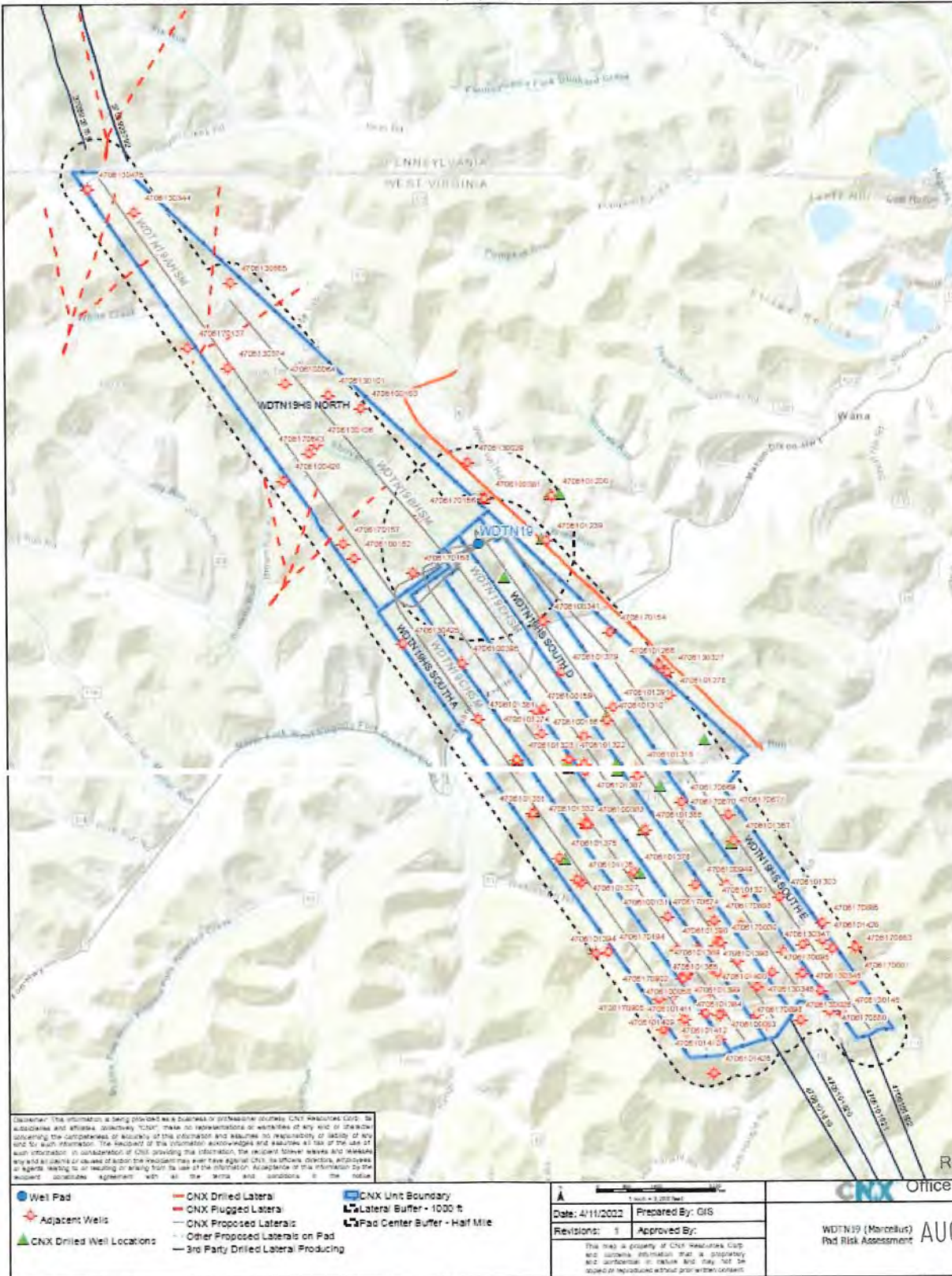
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Figure 1. 98 wells lie within a 1000' buffer around the WDTN19 Pad that penetrate the Big Injun Sand or deeper horizons. The deepest well is 5520' and tested the Benson Sand, but I snow P&A. All other wells are less than 3764' deep, producing from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



WDTN19 Pad Frac SOG Review

Tuesday, April 12, 2022



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WDTN19 (Marcellus)  
Pad Risk Assessment

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

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

Ap10	WellName	CurrentOperator	CompletionFormation	CurrentStatus	CurrentStatusDa	PermitDa	SpudDa	CompletionDa	OnProductionDa	TotalDep
4706100428	SHRIVER 5114	PILLAR ENERGY LLC	<Null>	ACTIVE	12/10/1921	<Null>	<Null>	1/1/1997	1/1/1997	<Null>
4706130344	F M STAGGERS	PITTSBURGH & WV GAS	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	4/11/1918	8/3/1918	<Null>	2185
4706130475	FRED HENNEN	CARNEGIE NATURAL GAS CO	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	11/12/1918	8/23/1919	<Null>	2890
4706170031	SARAH E EDDY	MCDERMOTT, JOSEPH H.	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3021
4706130346	ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT. GAS)	GORDON	INACTIVE	<Null>	<Null>	<Null>	1/21/1941	<Null>	3160
4706130145	A J CARROTHERS HRS	H L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3167
4706170030	SARAH E EDDY	MCDERMOTT, JOSEPH H.	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3199
4706130665	THOMAS WHITE HEIRS	(N/A)	BIG INJUN (PRICE&EQ)	INACTIVE	<Null>	<Null>	8/8/1926	10/6/1927	<Null>	3204
4706130347	ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	11/14/1912	<Null>	3235
4706130348	ELIHU EDDY & D L CROSS	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	3/19/1920	<Null>	3302
4706130327	MICHAEL BARR	HOPE NATURAL GAS CO	<Null>	INACTIVE	<Null>	<Null>	8/3/1910	11/26/1910	<Null>	3324
4706130425	E E BELL	PITTSBURGH & WV GAS	FIFTY-FOOT	INACTIVE	<Null>	<Null>	5/29/1913	8/18/1913	<Null>	3354
4706130026	A J CARROTHERS	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	8/1/1925	<Null>	3365
4706130374	LUCINDA SIX	CLOVIS ROY W	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3465
4706130101	ERNEST BELL	MACKEY, ARTHUR D	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3492
4706130108	WM HAINES	MACKEY, ARTHUR D	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	3521
4706170154	MARY A EAKIN	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170861	ELIHU EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170883	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170895	M J BREWER	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706171010	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706130029	M C & C C WISE HEIRS	H L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170157	HENRY W HAINES	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170669	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170674	P EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170860	SOUTH PENN OIL	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170865	SOUTH PENN OIL	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170866	ELIHU EDDY HRS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170902	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170905	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170670	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170671	J S CROSS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170867	ELIHU EDDY	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170901	ERVINE TENNANT	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706130219	HARRY L TENNANT	HARRY L TENNANT	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170137	SIMON L WHITE	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170156	GEORGE W SHRIVER	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170158	JASPER SHRIVER	PHILADELPHIA COMPANY, THE	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170194	M J GARRISON	SOUTH PENN OIL (S. PENN NAT. GAS)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170643	WILLIAM HAINES	PHILADELPHIA OIL CO	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170886	MARY E MYERS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
4706170888	MARY E MYERS	(N/A)	<Null>	INACTIVE	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>

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WDTN19 Pad Frac SOG Review

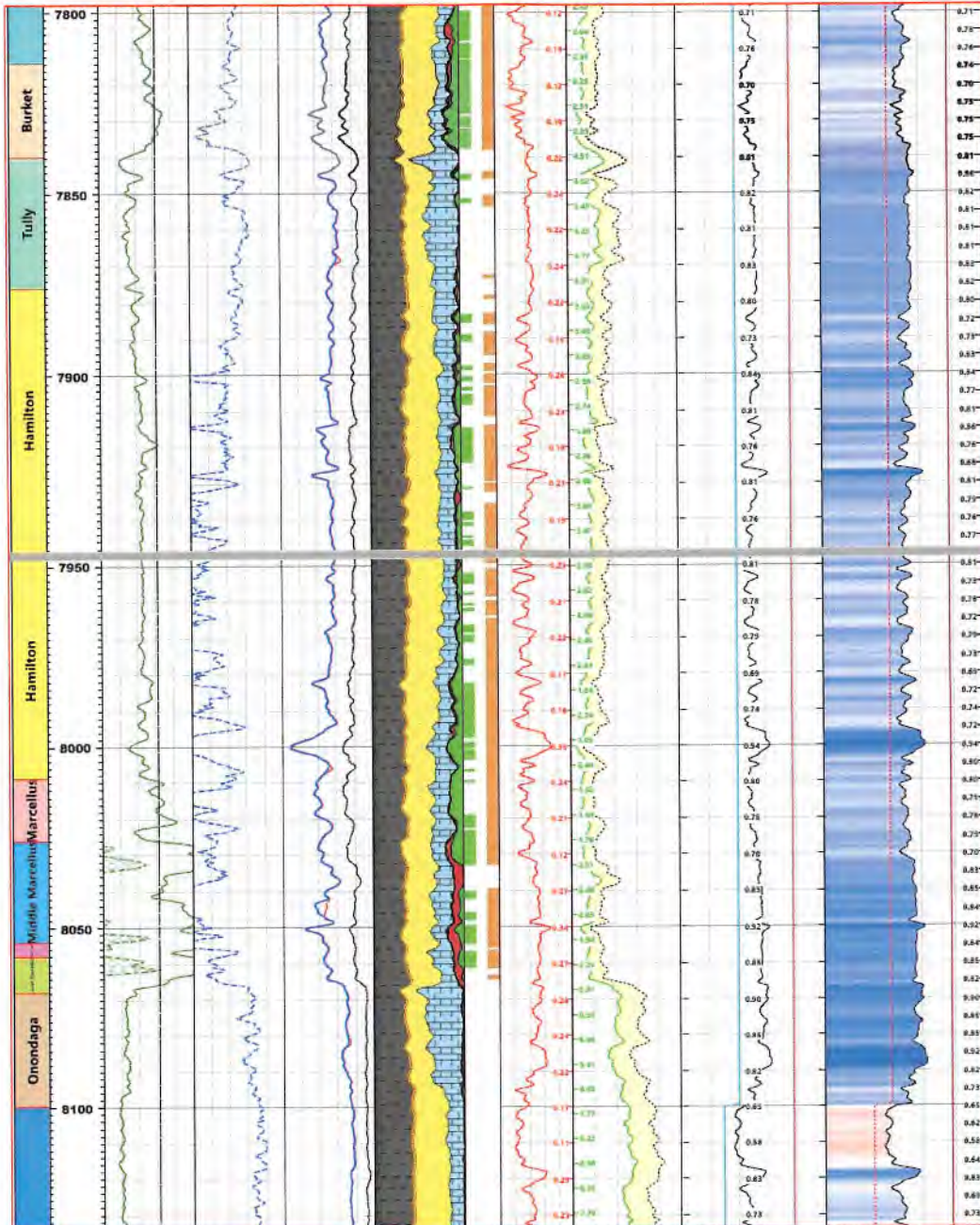
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The second group of 56 wells, all of which are P&A. Only one was well deeper than 3746', which was a 5520' deep Benson test (47-061-00341).

Table with columns for well ID, company name, status, and various dates. Includes entries like 4706101200 CNCP 5124, 4706101426 VENT 29, and 4706101323 WE WV 5356.



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



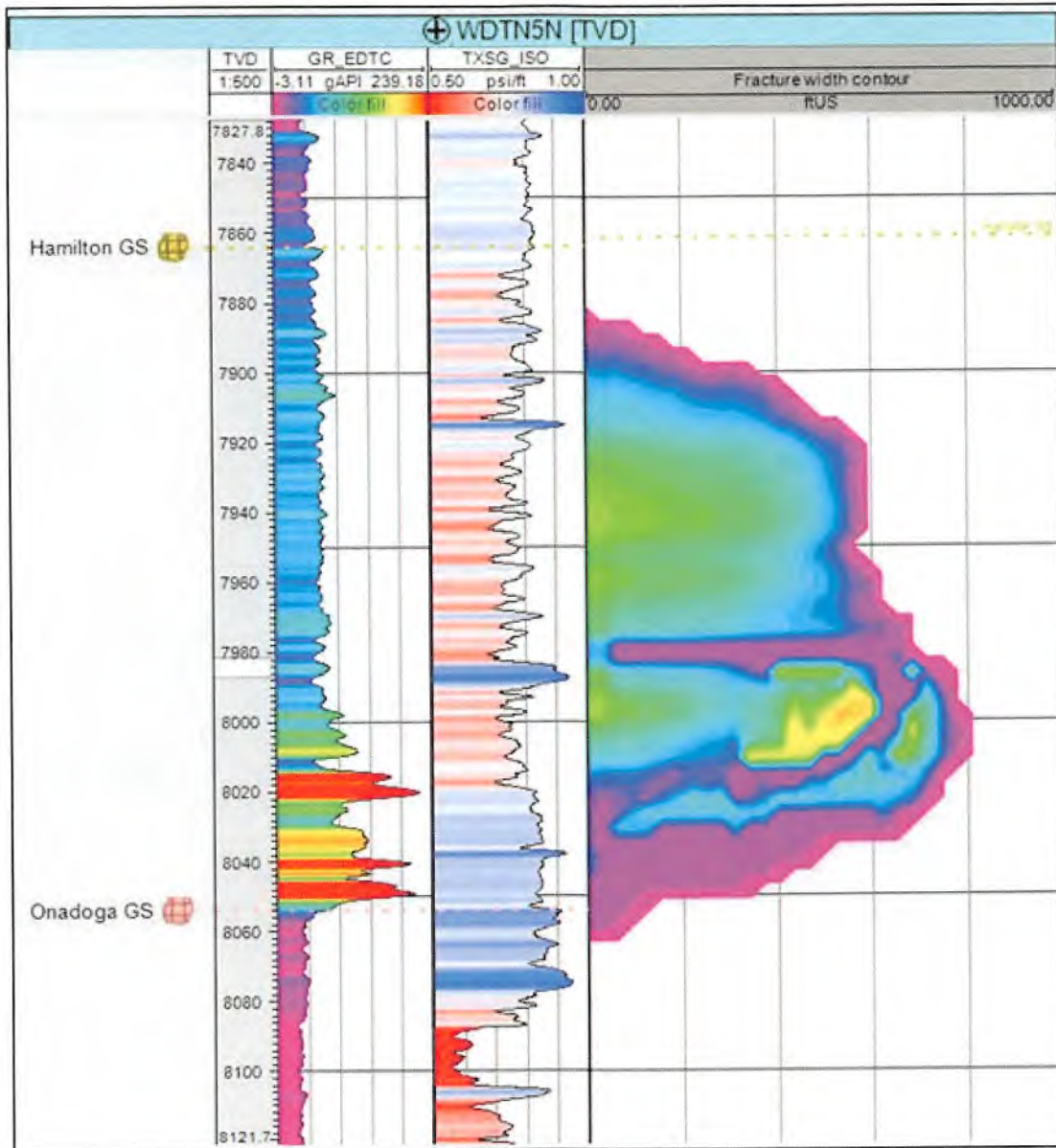
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Figure 4. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the WDTN5B. Frac modeling yields a frac height of approximately 200'.



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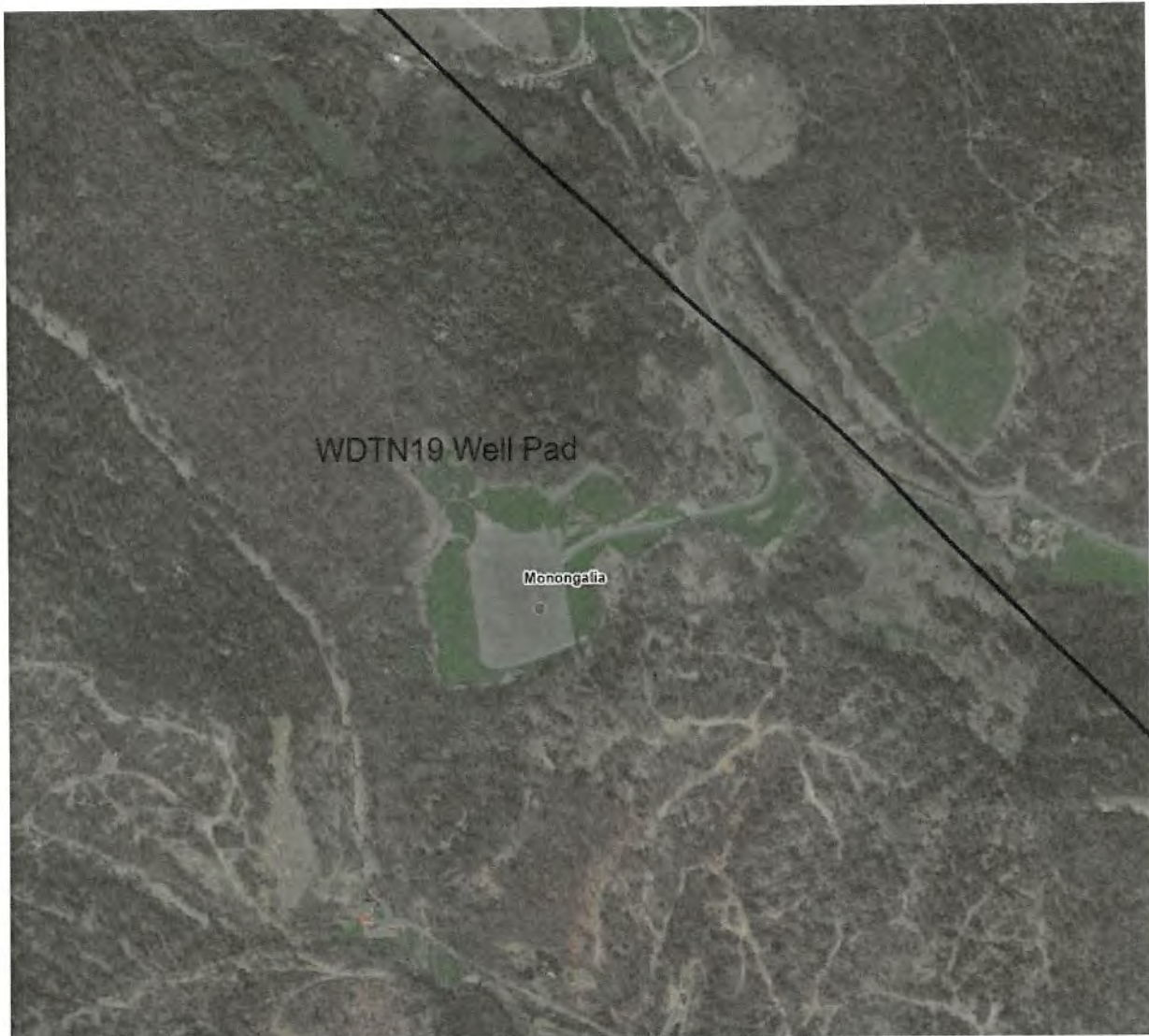
AUG 04 2022

WV Department of  
Environmental Protection  
61 Page

09/09/2022



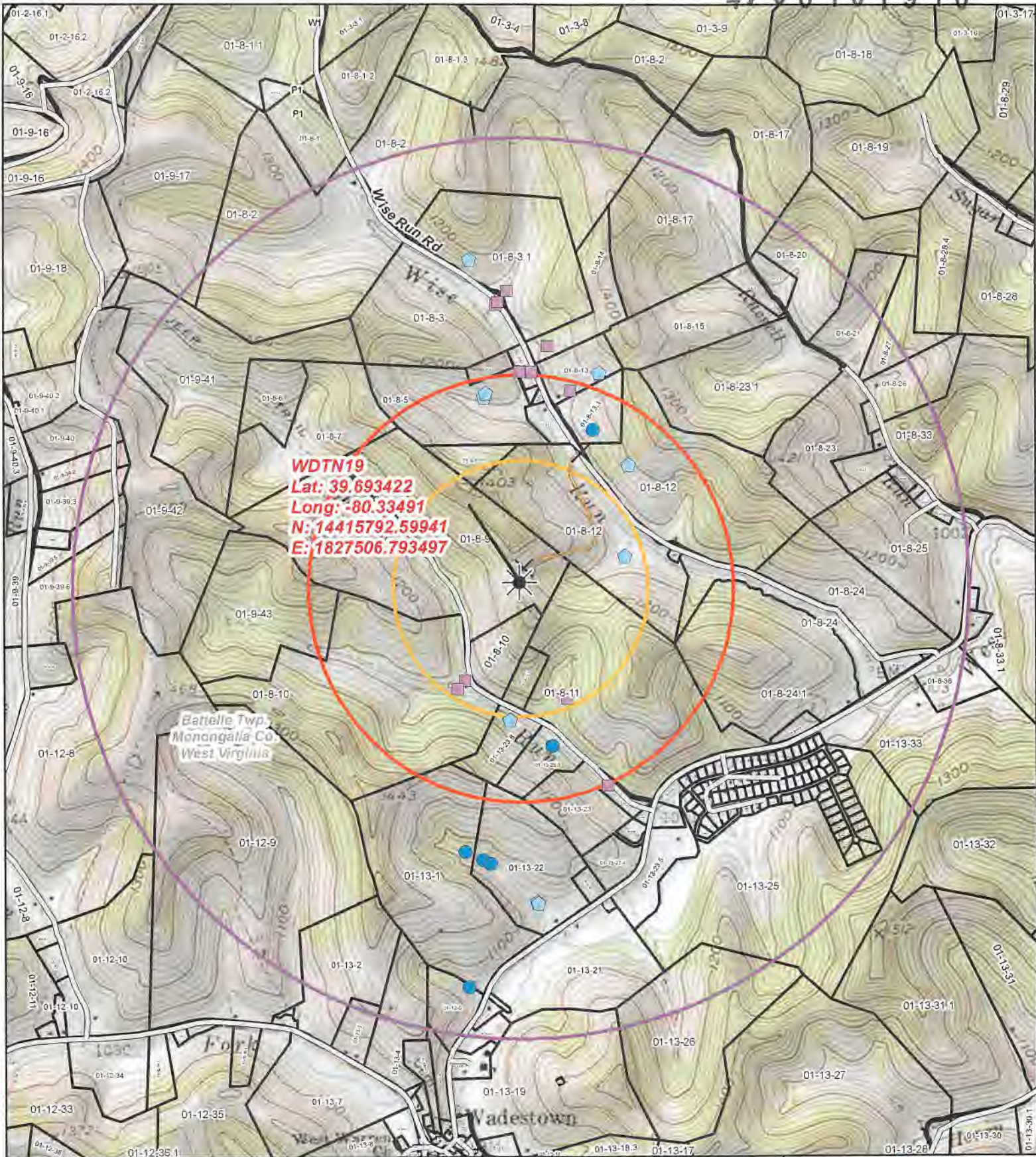
**Site Safety Plan for Wells WDTN19DHSM  
CNX Gas Company, LLC.**



RECEIVED  
Office of Oil and Gas

AUG 04 2022

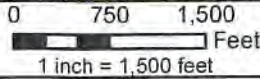
WV Department of  
Environmental Protection



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

**Legend**

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



Original Date: 7/19/2022	Prepared By: GIS
Revision Date: 7/19/2022	Approved By: GIS

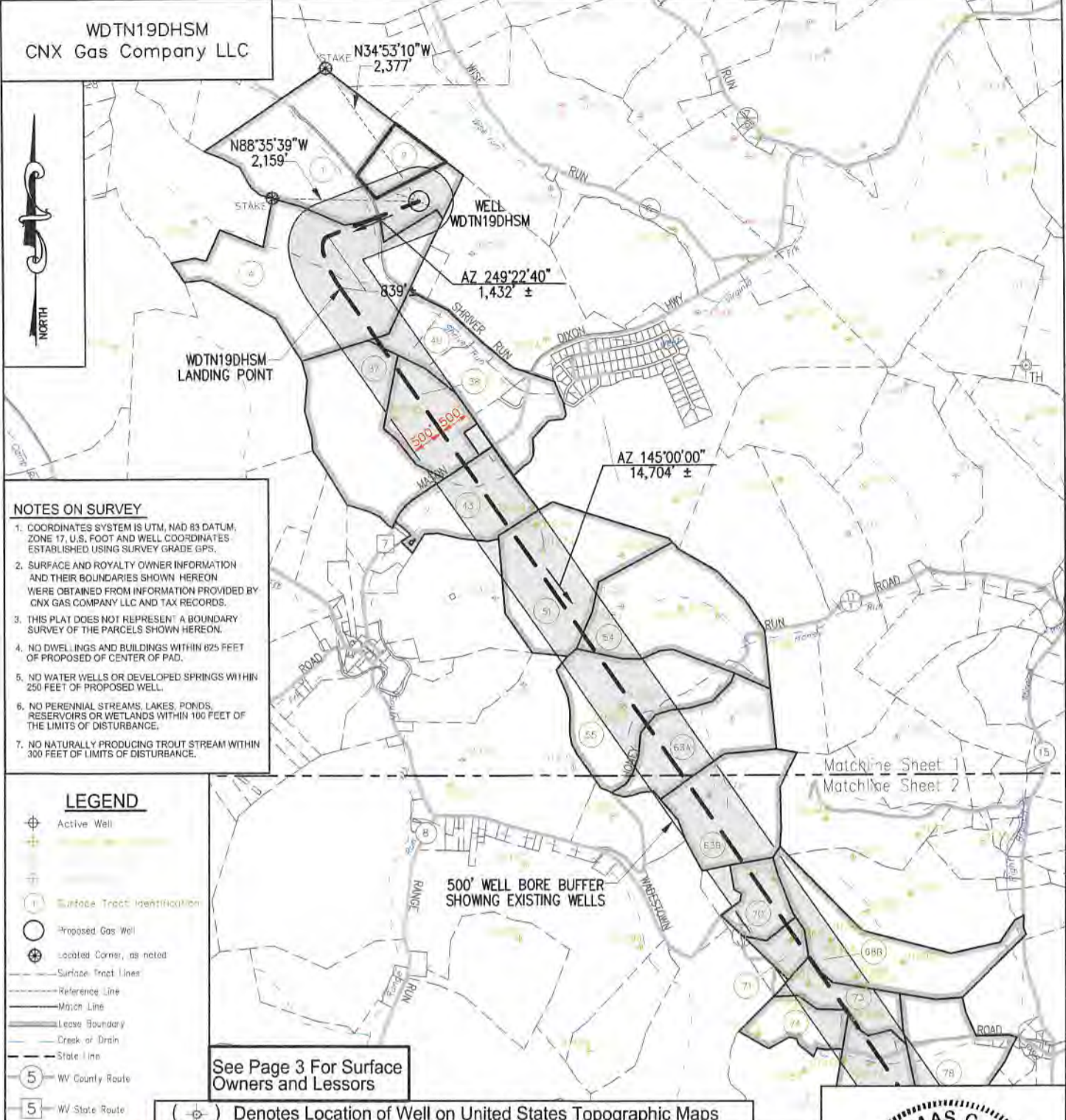
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Office of Oil and Gas

**AUG 09 2022**  
**WDTN19**  
**Ground Water Map**

WV Department of Environmental Protection  
 09/09/2022



**NOTES ON SURVEY**

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM INFORMATION PROVIDED BY CNX GAS COMPANY LLC AND TAX RECORDS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 825 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

**LEGEND**

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



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Thomas C. Smit*

L. L. S. 687



SEAL

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



DATE: AUGUST 01 20 22  
OPERATORS WELL NO: WDTN19 DHSM  
API WELL NO: 47 - 061 - 01910  
STATE COUNTY PERMIT

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

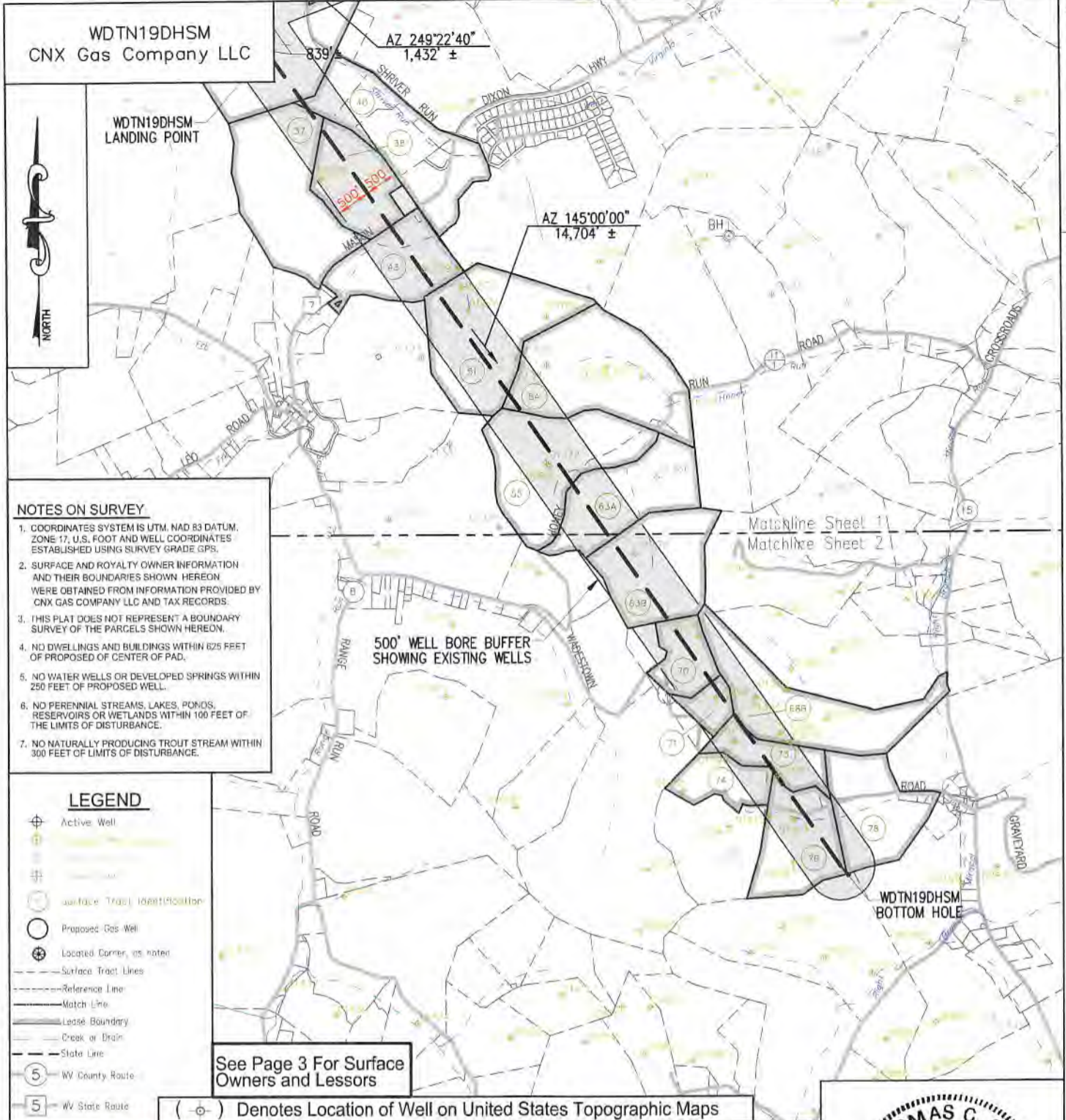
LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±  
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'

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

09/09/2022



**NOTES ON SURVEY**

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- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

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

See Page 3 For Surface Owners and Lessors



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Thomas C. Smit*  
L. L. S. 687



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



DATE: AUGUST 01 20 22  
OPERATORS WELL NO: WDN19 DHSM  
API WELL NO: 47 - 061 - 61910  
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia

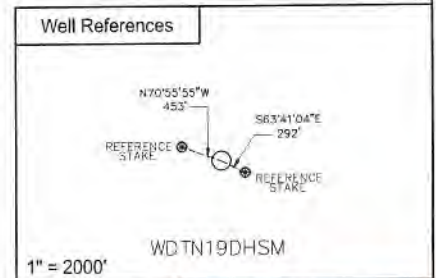
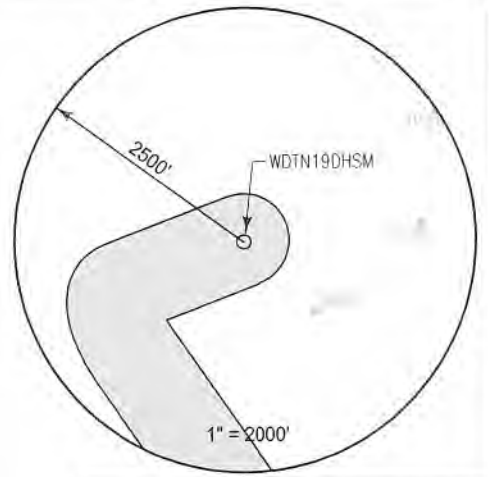
SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±  
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
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 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'

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

09/09/2022

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



SURFACE HOLE LOCATION (SHL)	
UTM 17 NAD 83	
N: 4393937.988	
E: 556988.907	
NAD 83, WV NORTH	
N: 435759.154	
E: 1733444.202	
LAT/LON DATUM NAD 83	
LAT: 39°41'36.186"	
LO: 80°20'07.201"	
LANDING POINT	
UTM 17 NAD 83	
N: 4393549.789	
E: 556638.902	
NAD 83, WV NORTH	
N: 434504.523	
E: 1732274.425	
LAT/LON DATUM NAD 83	
LAT: 39°41'23.679"	
LO: 80°20'22.016"	

WDTN19 WELL PAD	
<ul style="list-style-type: none"> <li>○ WDTN19EHSM</li> <li>○ WDTN19DHSM ○ WDTN19BHSM</li> <li>○ WDTN19CHSM ○ WDTN19FHSM</li> <li>○ WDTN19AHSM ○ WDTN19RHSM</li> </ul>	
BOTTOM HOLE LOCATION (BHL)	
UTM 17 NAD 83	
N: 4389923.008	
E: 559269.597	
NAD 83, WV NORTH	
N: 422459.538	
E: 1740707.862	
LAT/LON DATUM NAD 83	
LAT: 39°39'25.402"	
LO: 80°18'32.746"	



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

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



SEAL

FILE NO: \_\_\_\_\_  
DRAWING NO: \_\_\_\_\_  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
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Canonsburg, PA 15317 Canonsburg, PA 15317

09/09/2022



TRACT ID	SURFACE OWNER	LESSOR	PIN
4	David Troy Beckner, et al	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS Antero Resources Corporation	1-8-10
37	Douglas S. Sanders, et ux	Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP Douglas S. Sanders and Kimberly J. Sanders, husband and wife	1-13-1
38	David K. Sago, et ux	David K. Sago and Ramona J. Sago, husband and wife Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP	1-13-22
40	David K. Tennant, et ux, et al	James B. Reeder, in his capacity as the incumbent and currently acting Trustee of the Jim Bob Revocable Trust Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of William F. Reeder Stephen B. Ferguson, in his capacity as the incumbent and currently acting Trustee of the Margaret R. Ferguson Revocable Trust Carolyn R. Greiner, in her capacity as the incumbent and currently acting trustee of the Carolyn R. Greiner Trust of 1999 Louise Reeder Seeton, in her capacity as the incumbent and currently acting trustee of the Louise Reeder Seeton Trust, a Revocable inter vivos trust created 8/13/1993 Thomas Bradley Reeder, in his capacity as the incumbent and currently acting trustee of the Reeder Living Trust of 2008 Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of Susan Reeder Ruffatto, aka, Susan Reeder Ruffatto	1-13-23 1-13-23.1 THROUGH 1-13-23.8
43	Thomas W. Sanders	Thomas W. Sanders, a single man Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP	1-13-21 1-13-21.1
51	Thomas W. Sanders	Ronald W. Wade Northeast Natural Energy LLC	1-13-26
54	Jacqueline Carol Cowell	Ginger L. Brookover Douglas Haught Keith Haught Michael Haught Jacqueline Carol Cowell, widow	1-13-27
55	Jacqueline Carol Cowell	Ginger L. Brookover Douglas Haught Keith Haught Michael Haught Jacqueline Carol Cowell, widow	1-13-27
63A	Richard A. Bartolomew, et al	William G. and Betty J. Cross, his wife CNG Producing Company Dominion Exploration and Production, Inc. Antero Resources Appalachian Corporation Dominion Exploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.	1-13-28
63B	Richard A. Bartolomew, et al	William G. and Betty J. Cross, his wife CNG Producing Company Dominion Exploration and Production, Inc. Antero Resources Appalachian Corporation Dominion Exploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.	1-13-28 1-13-29

09/09/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
68B	Opal Howard	Bounty Minerals, LLC	1-18-8
		Lola Drilling I, LLC	
		Rice Drilling B LLC	
		Raymond P. Gaston, aka Ray Gaston, aka Ray Parish Gaston, and Pamela J. Gaston	
		P&P Fujimo LLC	
		R. Parrish Gaston	
		Paul R. Gaston	
		EQT Production Company	
		Janet Watkins	
		Rose Marie Shape	
		Ruth Ann Tallman	
		Juanita Ely	
		Benjamin C. Wirick	
		Vivian Petoskey	
		Morris Mountaineer Oil and Gas LLC	
		Sidney Austin Smith Trust LLC	
		Thomas E. Ross	
		Richard M. Ross	
		Debra L. Mason and Richard A. Mason	
		Carol Curtis	
		Dwight E. Jackson	
		Judy Wirick	
		Dwight Herd	
		Michael Delbert Herd	
		Christine Ann Boyd	
		Charles Patrick Herd and Leane C. Herd	
		Bruce A. Davie, Jr.	
		Polly Anna Eddy Morrison Fryman	
		Robert W. Davie and Lisa D. Davie	
		Jerry L. Hoffman	
		Cheryl J. Bosse	
		Rodney A. Bosse	
		Clarence S. Willard	
		JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	
		Gary A. Spragg	
		Richard A. Stewart	
		Joyce Lydic	
		Thomas L. Hoffman	
		Kyle J. Davie	
		Summer G. Johnson	
		Jessica L. Baum a/k/a Jessica L. Gerwells	
		James Eric Davie	
		Susan Kimbrell	
		Daniel Bailes	
		Joel Bailes	
		Randall M. Spragg and Lisa M. Spragg, Co-Trustees under Revocable Trust Agreement of Randall M. Spragg, dated October 24, 2007	
		Toledo Animal Shelter	
		WV Minerals, Inc.	
		Sharon M. Flann	
		Stephen J. Dawson	
		Martha E. Menzies and William S. Menzies	
		Andrew T. Stewart and Cathy Stewart	
		Betty Pitcock	
		Kelly J. Kelly and Dennis Kelly	
		Charlene K. Crapnell and Larry E. Crapnell	
		Darlene Newson and Michael Newson	
		Ricky Kaye Peaslee	
		Opal Howard	
		Maxine Wirick	
		Staci L. Dawson	
		Wilma J. Ross	
		Amber N. Cubberly and Dustin Cubberly, her husband	
		Christina K. Benson and James B. Benson, her husband	
		James E. Eddy and Ronda S. Eddy, his wife	
		Kenneth R. Eddy and Natalie A. Eddy, his wife	
		Mary Lou Verbosky	
		Louise A. Stewart England	

09/09/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
70	Opal Howard	Jesse Gump	1-18-6 1-18-7
		Michael J. Eddy and Natilie A. Eddy, h/w Judy Ann Heston Donna Fay Hibbs Denzil Ray Hibbs Janie Loise Gram Northeast Natural Energy LLC Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross XTO Energy Inc.	
		Floyd B. Smith, a/k/a Bennet Smith Gregory Caldwell and Alice Ann Caldwell John P. Coblentz, Jr. and Dorathea Dillon Coblentz Jacqueline A. Luebke, f/k/a Jacqueline A. Cowell Sharon Norwich Lucy Genevieve Wilson and Robert C. Wilson Laura Higgins Pettit (signed lease as Laura June Pettit) Robert E. Adams, Jr. and Karen F. Norwich Adams Denise Grimaldi Barbara Shafer Jeanie Rush Bertha Stiles Judy Kamppi Albert Stiles, Jr. Phillip R. Higgins Johnathan P. Cowell Michelle Stiles Donna Merritt Brenda Wilson Dillon Kenneth I. Tharp and Judith D. Tharp Michael E. Collins and Dedra L. Collins Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact Susan V. Statler Charles Mark LaPoe Allan V. LaPoe Harold L. Doll Charlotte May Lemley, a/k/a Charlotte M. Rexrode Patricia Ann Wright Wesley Higgins Mary Copeland Ana Mae Lazzelle James E. Stiles Peggy Ann Morris, f/k/a Peggy Ann Tennant Charles R. Holliday and Ann R. Holliday John William Foley, Jr. Yvonne L. LaPoe Cook Dorothy I. Statler Dottie Stiles Lisa D. Raber-Ammons, f/k/a Lisa D. Raber Joseph B. Bloom and Edith Lucille Bloom Marjorie Karen Francis, a/k/a Karen Francis Judith Guest and Ronald Guest Patricia L. Feidt Franklin Wayne Higgins, Jr. Connie Sue Copeland Donald R. Cross and Karen J. Cross Ronald Eugene Foley Benjamin R. LaPoe Evelyn Jane Kelly Rebecca L. Buchanan Mary Lynn Cumberledge Nila A. Owens Nicole Lynn Wolfe Martha Jean Owens Meredith Margie Walls McMahon and John D. McMahon Jennifer Ham Steven E. Burgung Jonathan N. Stiles and Rhonda C. Stiles Vicky L. McVay Pamela D. Thacker	

09/09/2022

Jeanne F. Songer, f/k/a Jeanne F. Gump Horn
Deborah Jo Henry
Robert Stephen Smith
Rebecca Renee Tennant
Samuel L. Horner and Sharon Horner
Richard C. Tennant and Mary L. Tennant
Carol Appleman Pace
William Paul Phillips, Sr.
Bradley S. Higgins and Caushana L. Higgins
Wilma C. Stiles, a/k/a Pat Stiles
Samuel L. Love
Donald P. Stiles
Scott N. Stiles
Nicholas T. Love
Carl W. Tennant
Kay E. Stiles
Nancy June Yost and Vincent R. Yost, Sr.
Anita D. Jaggie, f/k/a Anita Miller and Billy J. Jaggie
Denise L. Wylie, f/k/a Denise Vaughn
Jerilyn J. Miller
Jeffrey V. Whitehill
Joseph H. Mutter, Jr.
Charles F. Tennant, Jr.
Nancy K. Teem
Ralph B. Henderson
Carol Ann Hoffman
E. Jeanne Bryner
Donald Gilbert Stiles
Nancy L. Henderson
Barbara K. George
Ray Eugene Heston and Judy A. Heston
Mary Kay Martindale
Barbara Jean Ashley
Robert L. Krichbaum
Gerald E. Gill Sr.
Cathy G. Schloemer
David Alan Copeland
Waleta Stacy Rodeheaver and Randy N. Rodeheaver
Gary A. Stiles
Jane K. Hunter
Phillip E. Miller Jr.
Laurel Eikey
Sheila Ruck
Roberta M. King
Robert Jeffrey Leach
Nancy L. Henderson, f/k/a Nancy L. Edwards
David W. Henderson and Gail A. Henderson
John Lewis Eddy
Theodore Ernest Copeland
Beverly Anne Gill
Ann Ruth Barr, f/k/a Anna Ruth Stiles
Country Roads Minerals, LLC
Opal Howard
Carol S. Appleman
James D. Appleman
John Binckley, a/k/a John L. Binckley, Jr.
Vivian Louise Russell Brown, a/k/a Vivian Louise Russell
Judy Ann Farber, a/k/a Judy Ann Stiles Clovis
Karen S. Collins
Dale L. Copeland
Gary Allen Copeland
Daniel Faulkner
Shanan L. Cummings
Robert D. Doll, II
George F. Duckro
Patricia D. Duckro
John D. Eisenbarger
Barbara A. Nystrom, a/k/a Barbara Ann Nystrom
Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley
Betty Haught

09/09/2022

		Chad Everett Higgins, a/k/a Chad E. Higgins Troy Hixenbaugh David Juristy James A. Juristy Barbara R. Hyde, a/k/a Barbara Miller Hyde Kelly Ann Kinder Horner Mary Knisely Kim Kosbe Robert A. Mutter Christopher Love Scott Love Donna A. Mackey Robert Lee Miller, Jr. Steven Miller Christopher Eikey Brenda Smith Diane L. Allen, f/k/a Diane Smith Garry Smith Iva Lee Stewart Emery Stewart, II Vicki Anderson Tamala Brandan Stephenie Awroski David Lee Stiles James Douglas Stiles Lucas Eugene Stiles Bernice Tennant Diana Linn Tennant Jack V. Tennant, Jr. James S. Tennant Michael Lynn Tennant Peter Tennant Robert P. Tennant Robert D. Tennant William Gary Tennant Daniel Walls George R. Walls, a/k/a George Walls Betty Jo Walsh Wilbur Carl Whitehill, Jr. Robert Miller Floyd Eugene Cox  Robert L. Stiles Blue Ridge Royalties LLC	
TRACT ID	SURFACE OWNER	LESSOR	PIN
71	Robert L. Cole, et ux	Jesse Gump	1-18-7
		Floyd B. Smith, a/k/a Bennet Smith Gregory Caldwell and Alice Ann Caldwell John P. Coblentz, Jr. and Dorathea Dillon Coblentz Jacqueline A. Luebke, f/k/a Jacqueline A. Cowell Sharon Norwich Lucy Genevieve Wilson and Robert C. Wilson Laura Higgins Pettit (signed lease as Laura June Pettit) Robert E. Adams, Jr. and Karen F. Norwich Adams Denise Grimaldi Barbara Shafer Jeanie Rush Bertha Stiles Judy Kamppi Albert Stiles, Jr. Phillip R. Higgins Johnathan P. Cowell Michelle Stiles Donna Merritt Brenda Wilson Dillon Kenneth I. Tharp and Judith D. Tharp Michael E. Collins and Dedra L. Collins Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact Susan V. Statler Charles Mark LaPoe	

09/09/2022

Allan V. LaPoe
Harold L. Doll
Charlotte May Lemley, a/k/a Charlotte M. Rexrode
Patricia Ann Wright
Wesley Higgins
Mary Copeland
Ana Mae Lazzelle
James E. Stiles
Peggy Ann Morris, f/k/a Peggy Ann Tennant
Charles R. Holliday and Ann R. Holliday
John William Foley, Jr.
Yvonne L. LaPoe Cook
Dorothy I. Statler
Dottie Stiles
Lisa D. Raber-Ammons, f/k/a Lisa D. Raber
Joseph B. Bloom and Edith Lucille Bloom
Marjorie Karen Francis, a/k/a Karen Francis
Judith Guest and Ronald Guest
Patricia L. Feidt
Franklin Wayne Higgins, Jr.
Connie Sue Copeland
Donald R. Cross and Karen J. Cross
Ronald Eugene Foley
Benjamin R. LaPoe
Evelyn Jane Kelly
Rebecca L. Buchanan
Mary Lynn Cumberledge
Nila A. Owens
Nicole Lynn Wolfe
Martha Jean Owens Meredith
Margie Walls McMahon and John D. McMahon
Jennifer Ham
Steven E. Burgung
Jonathan N. Stiles and Rhonda C. Stiles
Vickey L. McVay
Pamela D. Thacker
Jeanne F. Songer, f/k/a Jeanne F. Gump Horn
Deborah Jo Henry
Robert Stephen Smith
Rebecca Renee Tennant
Samuel L. Horner and Sharon Horner
Richard C. Tennant and Mary L. Tennant
Carol Appleman Pace
William Paul Phillips, Sr.
Bradley S. Higgins and Caushana L. Higgins
Wilma C. Stiles, a/k/a Pat Stiles
Samuel L. Love
Donald P. Stiles
Scott N. Stiles
Nicholas T. Love
Carl W. Tennant
Kay E. Stiles
Nancy June Yost and Vincent R. Yost, Sr.
Anita D. Jaggie, f/k/a Anita Miller and Billy J. Jaggie
Denise L. Wylie, f/k/a Denise Vaughn
Jerilyn J. Miller
Jeffrey V. Whitehill
Joseph H. Mutter, Jr.
Charles F. Tennant, Jr.
Nancy K. Teem
Ralph B. Henderson
Carol Ann Hoffman
E. Jeanne Bryner
Donald Gilbert Stiles
Nancy L. Henderson
Barbara K. George
Ray Eugene Heston and Judy A. Heston
Mary Kay Martindale
Barbara Jean Ashley
Robert L. Krichbaum

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Gerald E. Gill Sr.
Cathy G. Schloemer
David Alan Copeland
Waleta Stacy Rodeheaver and Randy N. Rodeheaver
Gary A. Stiles
Jane K. Hunter
Phillip E. Miller Jr.
Laurel Eikey
Sheila Ruck
Roberta M. King
Robert Jeffrey Leach
Nancy L. Henderson, f/k/a Nancy L. Edwards
David W. Henderson and Gail A. Henderson
John Lewis Eddy
Theodore Ernest Copeland
Beverly Anne Gill
Ann Ruth Barr, f/k/a Anna Ruth Stiles
Country Roads Minerals, LLC
Shirley L. Cole
Carol S. Appleman
James D. Appleman
John Binckley, a/k/a John L. Binckley, Jr.
Vivian Louise Russell Brown, a/k/a Vivian Louise Russell
Judy Ann Farber, a/k/a Judy Ann Stiles Clovis
Karen S. Collins
Dale L. Copeland
Gary Allen Copeland
Daniel Faulkner
Shanan L. Cummings
Robert D. Doll, II
George F. Duckro
Patricia D. Duckro
John D. Eisenbarger
Barbara A. Nystrom, a/k/a Barbara Ann Nystrom
Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley
Betty Haught
Chad Everett Higgins, a/k/a Chad E. Higgins
Troy Hixenbaugh
David Juristy
James A. Juristy
Barbara R. Hyde, a/k/a Barbara Miller Hyde
Kelly Ann Kinder Horner
Mary Knisely
Kim Kosbe
Robert A. Mutter
Christopher Love
Scott Love
Donna A. Mackey
Robert Lee Miller, Jr.
Steven Miller
Christopher Eikey
Brenda Smith
Diane L. Allen, f/k/a Diane Smith
Garry Smith
Iva Lee Stewart
Emery Stewart, II
Vicki Anderson
Tamala Brandan
Stephenie Awroski
David Lee Stiles
James Douglas Stiles
Lucas Eugene Stiles
Bernice Tennant
Diana Linn Tennant
Jack V. Tennant, Jr.
James S. Tennant
Michael Lynn Tennant
Peter Tennant
Robert P. Tennant
Robert D. Tennant

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TRACT ID	SURFACE OWNER	LESSOR	PIN
		William Gary Tennant Daniel Walls George R. Walls, a/k/a George Walls Betty Jo Walsh Wilbur Carl Whitehill, Jr. Robert Miller Floyd Eugene Cox  Robert L. Stiles Blue Ridge Royalties LLC	
73	Gene D. Yost & Sara E. Yost	Marjorie J. Kroh, a widow LOLA Drilling I, LLC Rice Drilling B, LLC  Gene D. Yost and Sara E. Yost, husband and wife EQT Production Company and Rice Drilling B LLC Glenn Roger Yost and Nancy Yost, husband and wife Larry Wayne Yost, a married man dealing in his sole and separate property Jerry Lee Yost, widower Mary Marlene Miller a/k/a Mary Marlene Alvarez, widow Eilene Yvonne Turner a/k/a Eilene Kucix a/k/a Eilene Yvonne Kucera, a married woman, dealing in her sole and separate property Steven Randolph Hartley and Brynn Hartley, husband and wife  Janet M. Shriver, a married woman, dealing in her sole and separate property Gary Lynn Yost, a widower Richard A. Tennant, a single man Christine Elizabeth Fritz and James Fritz, wife and husband Judith A. Ammons, a widow Jennifer Claunch Meyers and Robert E. Meyers, wife and husband Robert Lee Hartley and Judy Hartley, husband and wife Christopher Claunch	1-18-19.1
74	Richard A. Tennant	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Glenn Roger Yost and Nancy E. Yost Larry Wayne Yost Jerry Lee Yost Mary Marlene Miller Alvarez Eilene Yvonne Turner, a/k/a Eilene Kucix a/k/a Eilene Yvonne Kucera Gary Lynn Yost Gene D. Yost and Sara E. Yost Christopher Claunch  Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC  Vivian Maxine Tennant Estate, by Janet M. Shriver, acting as Executrix; Richard A. Tennant, a single man; Janet M. Shriver, a married woman dealing in her sole and separate property; and Judith A. Ammons, a single woman Northeast Natural Energy LLC	1-18-19
76	Thomas Oetjens Marshall Sr.	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Thomas Oetjens Marshall, widower Christopher Claunch  Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC	1-18-18

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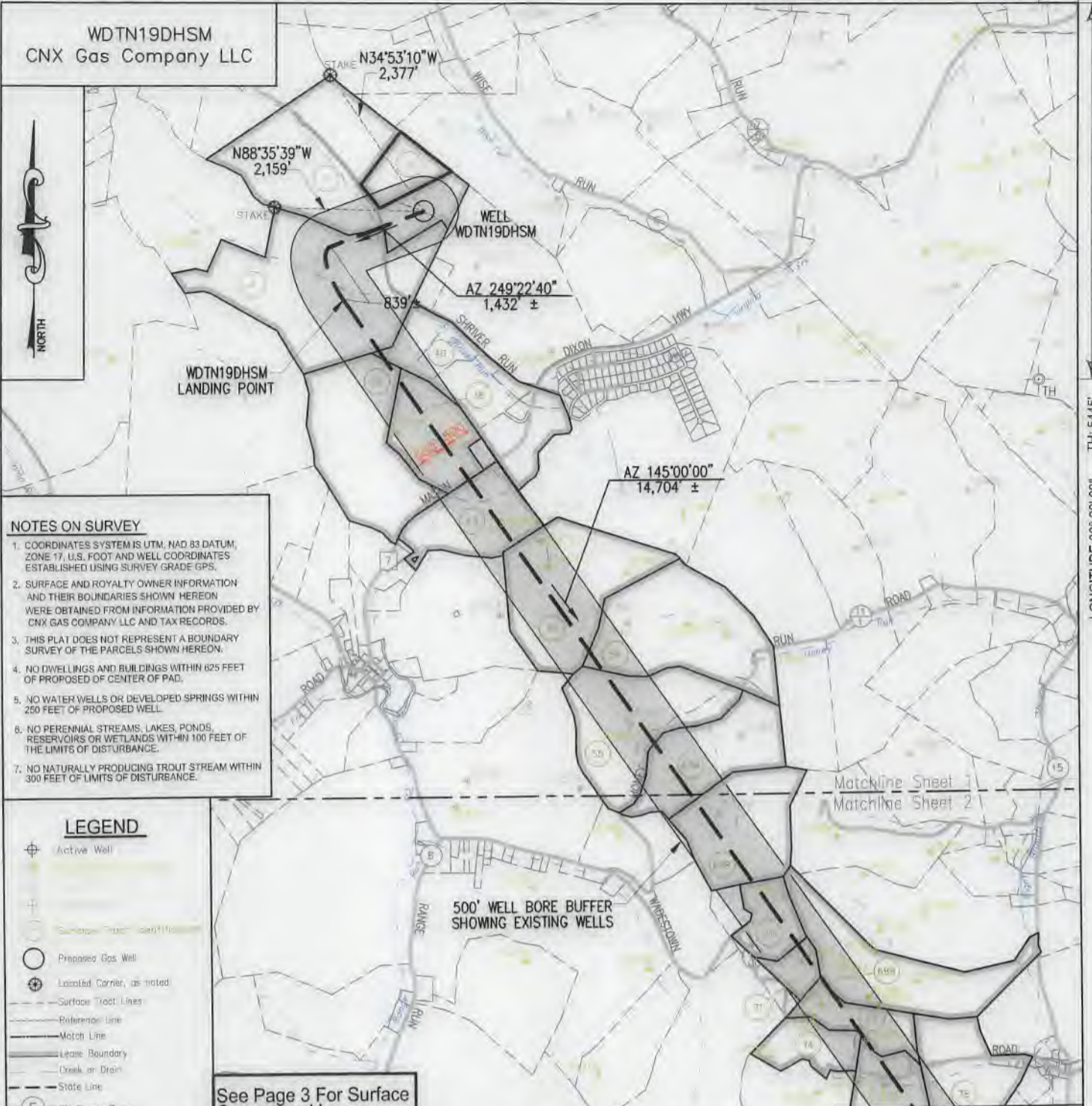


TRACT ID	SURFACE OWNER	LESSOR	PIN
78	Harry Bradley, et ux, et al	Bounty Minerals II Acquisitions, LLC	1-18-14 1-18-14.1 THROUGH 1-18-14.5
		Lola Drilling I, LLC	
		Rice Drilling B LLC	
		Virginia L. Law	
		Janet Watkins	
		Juanita Ely	
		Rose Marie Shape	
		Walter M. Stewart II	
		Vivian Petoskey	
		Benjamin Wirick	
		Kelly J. Kelly	
		Ruth Ann Tallman	
		B. Eleanor Crowley	
		Betty Pitcock	
		Darlene Newsom	
		Diane R. Kalafsky	
		William H. Mace	
		Daniel R. Crowley	
		Charlene Crapnell	
		Harold P. Stewart, Jr.	
		Diana Lynn Stewart	
		Louise A. Stewart England	
		Byron E. Stewart, II	
		John A. Eddy	
		Paula Kalafsky	
		Laraine Metheny	
		Thomas William Crowley	
		Brentyn M. Mace	
		Greg W. Mace	
		Janet Boord	
		Martha Menzies and Harold D. Rogers, as trustees of the Martha Menzies Trust	
		Morris Mountaineer Oil and Gas LLC	
		Sidney Austin Smith Trust LLC	
		Thomas E. Ross	
		Richard M. Ross	
		Debra L. Mason	
		Carol Curtis	
		Dwight E. Jackson	
		Judy Wirick	
		Dwight Herd	
		Michael Delbert Herd	
		Christine Ann Boyd	
		Charles Patrick Herd	
		Bruce A. Davie, Jr.	
		Polly Fryman	
		Robert W. Davie	
		Jerry L. Hoffman	
		Cheryl J. Bosse	
		Rodney A. Bosse	
		JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	
		Robert Lee Mace III	
		Jeffrey R. Mace	
		Kyle J. Davie	
		Summer G. Johnson	
		Jessica L. Baum, a/k/a Jessica L. Gerwells	
		James Eric Davie	
		Susan Kimbrell	
		Richard A. Stewart	
		Andrew T. Stewart	
		Joyce Lydic	
		Thomas L. Hoffman	
		Lois Esspenshade	

09/09/2022

Judith Gashie
Margo Urbany Joyce
Hyla N. Urbany
Toledo Animal Shelter
Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross
XTO Energy Inc.

09/09/2022



**NOTES ON SURVEY**

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

**LEGEND**

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

See Page 3 For Surface Owners and Lessors

( ) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Thomas C. Smit*

L. L. S. 687



SEAL

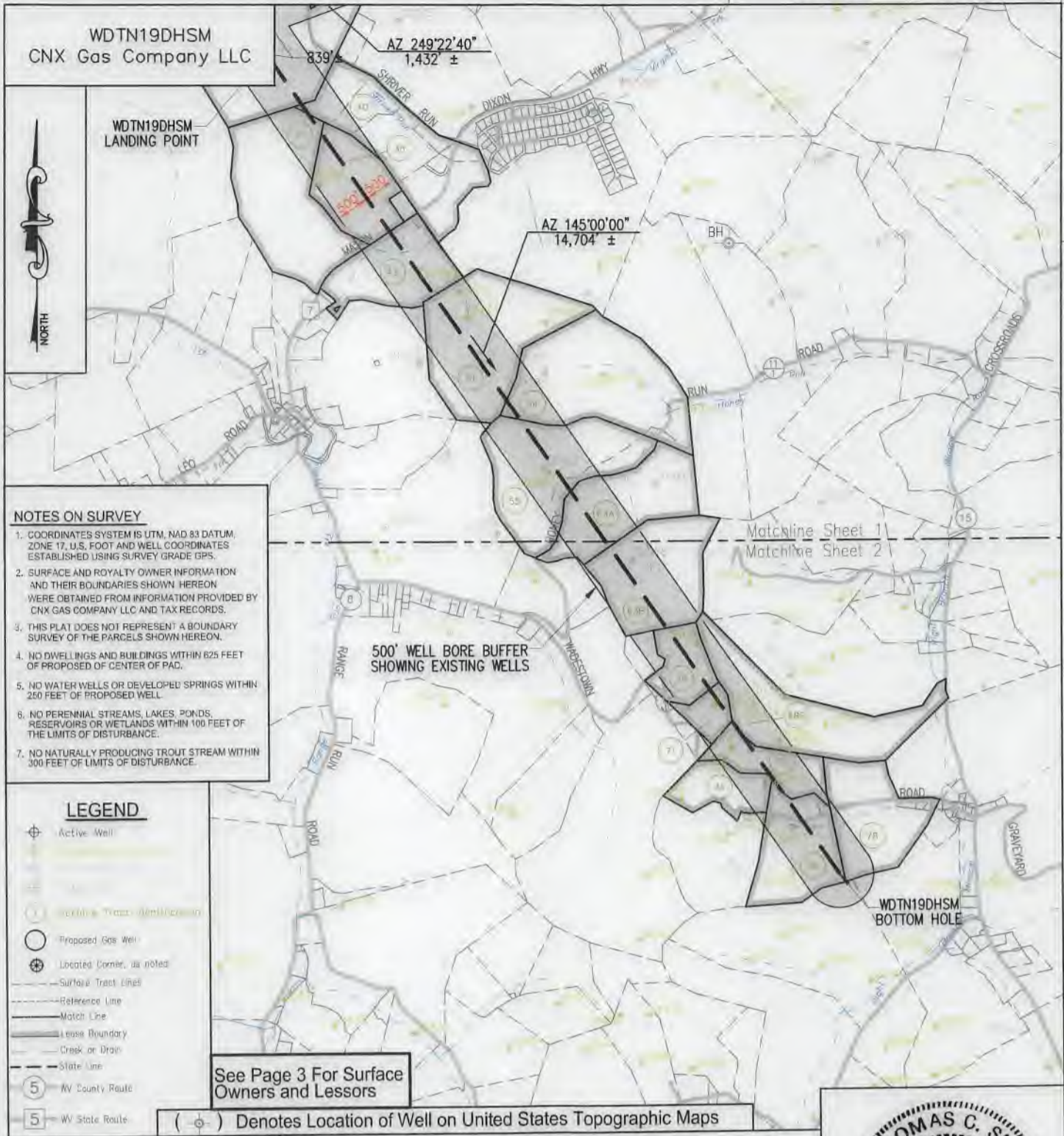
FILE NO: \_\_\_\_\_  
 DRAWING NO: \_\_\_\_\_  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1:2500  
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: AUGUST 01 20 22  
 OPERATORS WELL NO: \_\_\_\_\_  
 API WELL NO: 47 - 061 - 01910  
 STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
 DISTRICT: Batelle COUNTY: Monongalia  
 SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±  
 ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'  
 WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
 ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive  
 Canonsburg, PA 15317 Canonsburg, PA 15317

09/09/2022



**NOTES ON SURVEY**

1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
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5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

**LEGEND**

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

See Page 3 For Surface Owners and Lessors

( ) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Thomas C. Smit*  
L. L. S. 687



SEAL

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

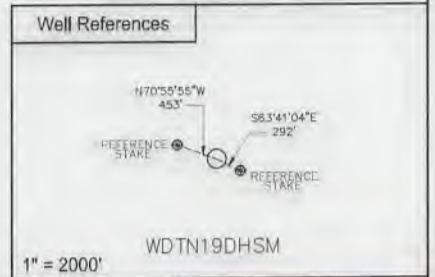
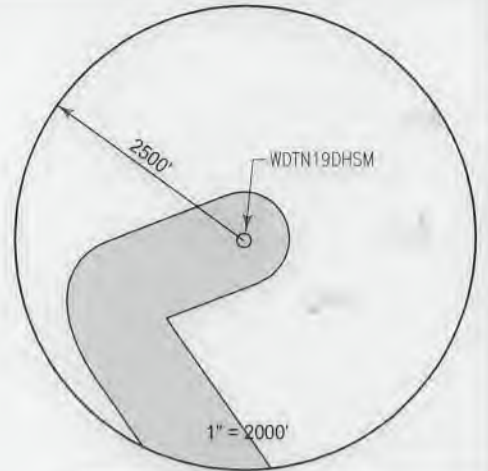


DATE: AUGUST 01 20 22  
OPERATORS WELL NO:  
API WELL NO 47 - 061 - 01910  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
 DISTRICT: Batelle COUNTY: Monongalia  
 SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±  
 ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'  
 WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: Anthony Kendziora  
 ADDRESS: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive  
 Canonsburg, PA 15317 Canonsburg, PA 15317

09/09/2022

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



SURFACE HOLE LOCATION (SHL)	
UTM 17 NAD 83	
N: 4393937.986	
E: 556988.907	
NAD 83, WV NORTH	
N: 435759.154	
E: 1733444.202	
LAT/LON DATUM NAD 83	
LAT: 39°41'36.186"	
LOX: 80°20'07.201"	
LANDING POINT	
UTM 17 NAD 83	
N: 4393549.789	
E: 556638.902	
NAD 83, WV NORTH	
N: 434504.523	
E: 1732274.425	
LAT/LON DATUM NAD 83	
LAT: 39°41'23.679"	
LOX: 80°20'22.016"	

WDTN19 WELL PAD		BOTTOM HOLE LOCATION (BHL)	
WDTN19DHSM		UTM 17 NAD 83	
WDTN19BHSM		N: 4389923.008	
WDTN19CHSM		E: 559269.597	
WDTN19AHSM		NAD 83, WV NORTH	
		N: 422459.538	
		E: 1740707.862	
		LAT/LON DATUM NAD 83	
		LAT: 39°39'25.402"	
		LOX: 80°18'32.746"	



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*Thomas C. Smit*  
L. L. S. 687



SEAL

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

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



DATE: AUGUST 01 20 22  
OPERATORS WELL NO:  
API WELL NO: 47 - 061 - 01910  
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown  
DISTRICT: Batelle COUNTY: Monongalia

SURFACE OWNER: CNX Gas Company LLC ACREAGE: 96.91 ±  
ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 ACREAGE: 96.91 ±

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,913'

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

09/09/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
4	David Troy Beckner, et al	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS Antero Resources Corporation	1-8-10
37	Douglas S. Sanders, et ux	Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP Douglas S. Sanders and Kimberly J. Sanders, husband and wife	1-13-1
38	David K. Sago, et ux	David K. Sago and Ramona J. Sago, husband and wife Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP	1-13-22
40	David K. Tennant, et ux, et al	James B. Reeder, in his capacity as the incumbent and currently acting Trustee of the Jim Bob Revocable Trust Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of William F. Reeder Stephen B. Ferguson, in his capacity as the incumbent and currently acting Trustee of the Margaret R. Ferguson Revocable Trust Carolyn R. Greiner, in her capacity as the incumbent and currently acting trustee of the Carolyn R. Greiner Trust of 1999 Louise Reeder Seeton, in her capacity as the incumbent and currently acting trustee of the Louise Reeder Seeton Trust, a Revocable inter vivos trust created 8/13/1993 Thomas Bradley Reeder, in his capacity as the incumbent and currently acting trustee of the Reeder Living Trust of 2008 Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of Susan Reeder Ruffatto, aka, Susan Reeder Ruffatto	1-13-23 1-13-23.1 THROUGH 1-13-23.8
43	Thomas W. Sanders	Thomas W. Sanders, a single man Thomas Sollars and Martha A. Sollars, husband and wife Clark Donley Stiles, a single man AMP IV, LP	1-13-21 1-13-21.1
51	Thomas W. Sanders	Ronald W. Wade Northeast Natural Energy LLC	1-13-26
54	Jacqueline Carol Cowell	Ginger L. Brookover Douglas Haught Keith Haught Michael Haught Jacqueline Carol Cowell, widow	1-13-27
55	Jacqueline Carol Cowell	Ginger L. Brookover Douglas Haught Keith Haught Michael Haught Jacqueline Carol Cowell, widow	1-13-27
63A	Richard A. Bartolomew, et al	William G. and Betty J. Cross, his wife CNG Producing Company Dominion Exploration and Production, Inc. Antero Resources Appalachian Corporation Dominion Exploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.	1-13-28
63B	Richard A. Bartolomew, et al	William G. and Betty J. Cross, his wife CNG Producing Company Dominion Exploration and Production, Inc. Antero Resources Appalachian Corporation Dominion Exploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.	1-13-28 1-13-29

09/09/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
68B	Opal Howard	Bounty Minerals, LLC	1-18-8
		Lola Drilling I, LLC	
		Rice Drilling B LLC	
		Raymond P. Gaston, aka Ray Gaston, aka Ray Parish Gaston, and Pamela J. Gaston	
		P&P Fujimo LLC	
		R. Parrish Gaston	
		Paul R. Gaston	
		EQT Production Company	
		Janet Watkins	
		Rose Marie Shape	
		Ruth Ann Tallman	
		Juanita Ely	
		Benjamin C. Wirick	
		Vivian Petoskey	
		Morris Mountaineer Oil and Gas LLC	
		Sidney Austin Smith Trust LLC	
		Thomas E. Ross	
		Richard M. Ross	
		Debra L. Mason and Richard A. Mason	
		Carol Curtis	
		Dwight E. Jackson	
		Judy Wirick	
		Dwight Herd	
		Michael Delbert Herd	
		Christine Ann Boyd	
		Charles Patrick Herd and Leane C. Herd	
		Bruce A. Davie, Jr.	
		Polly Anna Eddy Morrison Fryman	
		Robert W. Davie and Lisa D. Davie	
		Jerry L. Hoffman	
		Cheryl J. Bosse	
		Rodney A. Bosse	
		Clarence S. Willard	
		JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	
		Gary A. Spragg	
		Richard A. Stewart	
		Joyce Lydic	
		Thomas L. Hoffman	
		Kyle J. Davie	
		Summer G. Johnson	
		Jessica L. Baum a/k/a Jessica L. Gerwells	
		James Eric Davie	
		Susan Kimbrell	
		Daniel Bailes	
		Joel Bailes	
		Randall M. Spragg and Lisa M. Spragg, Co-Trustees under Revocable Trust Agreement of Randall M. Spragg, dated October 24, 2007	
		Toledo Animal Shelter	
		WV Minerals, Inc.	
		Sharon M. Flann	
		Stephen J. Dawson	
		Martha E. Menzies and William S. Menzies	
		Andrew T. Stewart and Cathy Stewart	
		Betty Pitcock	
		Kelly J. Kelly and Dennis Kelly	
		Charlene K. Crapnell and Larry E. Crapnell	
		Darlene Newson and Michael Newson	
		Ricky Kaye Peaslee	
		Opal Howard	
		Maxine Wirick	
		Staci L. Dawson	
		Wilma J. Ross	
		Amber N. Cubberly and Dustin Cubberly, her husband	
		Christina K. Benson and James B. Benson, her husband	
		James E. Eddy and Ronda S. Eddy, his wife	
		Kenneth R. Eddy and Natalie A. Eddy, his wife	
		Mary Lou Verbosky	
		Louise A. Stewart England	

09/09/2022

TRACT ID	SURFACE OWNER	LESSOR	PIN
70	Opal Howard	Jesse Gump	1-18-6 1-18-7
		Michael J. Eddy and Natilie A. Eddy, h/w Judy Ann Heston Donna Fay Hibbs Denzil Ray Hibbs Janie Loise Gram Northeast Natural Energy LLC Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross XTO Energy Inc.	
		Floyd B. Smith, a/k/a Bennet Smith Gregory Caldwell and Alice Ann Caldwell John P. Coblentz, Jr. and Dorathea Dillon Coblentz Jacqueline A. Luebke, f/k/a Jacqueline A. Cowell Sharon Norwich Lucy Genevieve Wilson and Robert C. Wilson Laura Higgins Pettit (signed lease as Laura June Pettit) Robert E. Adams, Jr. and Karen F. Norwich Adams Denise Grimaldi Barbara Shafer Jeanie Rush Bertha Stiles Judy Kamppi Albert Stiles, Jr. Phillip R. Higgins Johnathan P. Cowell Michelle Stiles Donna Merritt Brenda Wilson Dillon Kenneth I. Tharp and Judith D. Tharp Michael E. Collins and Dedra L. Collins Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact Susan V. Statler Charles Mark LaPoe Allan V. LaPoe Harold L. Doll Charlotte May Lemley, a/k/a Charlotte M. Rexrode Patricia Ann Wright Wesley Higgins Mary Copeland Ana Mae Lazzelle James E. Stiles Peggy Ann Morris, f/k/a Peggy Ann Tennant Charles R. Holliday and Ann R. Holliday John William Foley, Jr. Yvonne L. LaPoe Cook Dorothy I. Statler Dottie Stiles Lisa D. Raber-Ammons, f/k/a Lisa D. Raber Joseph B. Bloom and Edith Lucille Bloom Marjorie Karen Francis, a/k/a Karen Francis Judith Guest and Ronald Guest Patricia L. Feidt Franklin Wayne Higgins, Jr. Connie Sue Copeland Donald R. Cross and Karen J. Cross Ronald Eugene Foley Benjamin R. LaPoe Evelyn Jane Kelly Rebecca L. Buchanan Mary Lynn Cumberledge Nila A. Owens Nicole Lynn Wolfe Martha Jean Owens Meredith Margie Walls McMahon and John D. McMahon Jennifer Ham Steven E. Burgung Jonathan N. Stiles and Rhonda C. Stiles Vicky L. McVay Pamela D. Thacker	

09/09/2022



Jeanne F. Songer, f/k/a Jeanne F. Gump Horn
Deborah Jo Henry
Robert Stephen Smith
Rebecca Renee Tennant
Samuel L. Horner and Sharon Horner
Richard C. Tennant and Mary L. Tennant
Carol Appleman Pace
William Paul Phillips, Sr.
Bradley S. Higgins and Caushana L. Higgins
Wilma C. Stiles, a/k/a Pat Stiles
Samuel L. Love
Donald P. Stiles
Scott N. Stiles
Nicholas T. Love
Carl W. Tennant
Kay E. Stiles
Nancy June Yost and Vincent R. Yost, Sr.
Anita D. Jaggie, f/k/a Anita Miller and Billy J. Jaggie
Denise L. Wylie, f/k/a Denise Vaughn
Jerilyn J. Miller
Jeffrey V. Whitehill
Joseph H. Mutter, Jr.
Charles F. Tennant, Jr.
Nancy K. Teem
Ralph B. Henderson
Carol Ann Hoffman
E. Jeanne Bryner
Donald Gilbert Stiles
Nancy L. Henderson
Barbara K. George
Ray Eugene Heston and Judy A. Heston
Mary Kay Martindale
Barbara Jean Ashley
Robert L. Krichbaum
Gerald E. Gill Sr.
Cathy G. Schloemer
David Alan Copeland
Waleta Stacy Rodeheaver and Randy N. Rodeheaver
Gary A. Stiles
Jane K. Hunter
Phillip E. Miller Jr.
Laurel Eikey
Sheila Ruck
Roberta M. King
Robert Jeffrey Leach
Nancy L. Henderson, f/k/a Nancy L. Edwards
David W. Henderson and Gail A. Henderson
John Lewis Eddy
Theodore Ernest Copeland
Beverly Anne Gill
Ann Ruth Barr, f/k/a Anna Ruth Stiles
Country Roads Minerals, LLC
Opal Howard
Carol S. Appleman
James D. Appleman
John Binckley, a/k/a John L. Binckley, Jr.
Vivian Louise Russell Brown, a/k/a Vivian Louise Russell
Judy Ann Farber, a/k/a Judy Ann Stiles Clovis
Karen S. Collins
Dale L. Copeland
Gary Allen Copeland
Daniel Faulkner
Shanan L. Cummings
Robert D. Doll, II
George F. Duckro
Patricia D. Duckro
John D. Eisenbarger
Barbara A. Nystrom, a/k/a Barbara Ann Nystrom
Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley
Betty Haught

09/09/2022

Chad Everett Higgins, a/k/a Chad E. Higgins  
 Troy Hixenbaugh  
 David Juristy  
 James A. Juristy  
 Barbara R. Hyde, a/k/a Barbara Miller Hyde  
 Kelly Ann Kinder Horner  
 Mary Knisely  
 Kim Kosbe  
 Robert A. Mutter  
 Christopher Love  
 Scott Love  
 Donna A. Mackey  
 Robert Lee Miller, Jr.  
 Steven Miller  
 Christopher Eikey  
 Brenda Smith  
 Diane L. Allen, f/k/a Diane Smith  
 Garry Smith  
 Iva Lee Stewart  
 Emery Stewart, II  
 Vicki Anderson  
 Tamala Brandan  
 Stephenie Awroski  
 David Lee Stiles  
 James Douglas Stiles  
 Lucas Eugene Stiles  
 Bernice Tennant  
 Diana Linn Tennant  
 Jack V. Tennant, Jr.  
 James S. Tennant  
 Michael Lynn Tennant  
 Peter Tennant  
 Robert P. Tennant  
 Robert D. Tennant  
 William Gary Tennant  
 Daniel Walls  
 George R. Walls, a/k/a George Walls  
 Betty Jo Walsh  
 Wilbur Carl Whitehill, Jr.  
 Robert Miller  
 Floyd Eugene Cox  
 Robert L. Stiles  
 Blue Ridge Royalties LLC

TRACT ID	SURFACE OWNER	LESSOR	PIN
71	Robert L. Cole, et ux	Jesse Gump	1-18-7
		Floyd B. Smith, a/k/a Bennet Smith	
		Gregory Caldwell and Alice Ann Caldwell	
		John P. Coblentz, Jr. and Dorathea Dillon Coblentz	
		Jacqueline A. Luebke, f/k/a Jacqueline A. Cowell	
		Sharon Norwich	
		Lucy Genevieve Wilson and Robert C. Wilson	
		Laura Higgins Pettit (signed lease as Laura June Pettit)	
		Robert E. Adams, Jr. and Karen F. Norwich Adams	
		Denise Grimaldi	
		Barbara Shafer	
		Jeanie Rush	
		Bertha Stiles	
		Judy Kamppi	
		Albert Stiles, Jr.	
		Phillip R. Higgins	
		Johnathan P. Cowell	
		Michelle Stiles	
		Donna Merritt	
		Brenda Wilson Dillon	
		Kenneth I. Tharp and Judith D. Tharp	
		Michael E. Collins and Dedra L. Collins	
		Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact	
		Susan V. Statler	
		Charles Mark LaPoe	

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Allan V. LaPoe
Harold L. Doll
Charlotte May Lemley, a/k/a Charlotte M. Rexrode
Patricia Ann Wright
Wesley Higgins
Mary Copeland
Ana Mae Lazzelle
James E. Stiles
Peggy Ann Morris, f/k/a Peggy Ann Tennant
Charles R. Holliday and Ann R. Holliday
John William Foley, Jr.
Yvonne L. LaPoe Cook
Dorothy I. Statler
Dottie Stiles
Lisa D. Raber-Ammons, f/k/a Lisa D. Raber
Joseph B. Bloom and Edith Lucille Bloom
Marjorie Karen Francis, a/k/a Karen Francis
Judith Guest and Ronald Guest
Patricia L. Feidt
Franklin Wayne Higgins, Jr.
Connie Sue Copeland
Donald R. Cross and Karen J. Cross
Ronald Eugene Foley
Benjamin R. LaPoe
Evelyn Jane Kelly
Rebecca L. Buchanan
Mary Lynn Cumberledge
Nila A. Owens
Nicole Lynn Wolfe
Martha Jean Owens Meredith
Margie Walls McMahon and John D. McMahon
Jennifer Ham
Steven E. Burgung
Jonathan N. Stiles and Rhonda C. Stiles
Vickey L. McVay
Pamela D. Thacker
Jeanne F. Songer, f/k/a Jeanne F. Gump Horn
Deborah Jo Henry
Robert Stephen Smith
Rebecca Renee Tennant
Samuel L. Horner and Sharon Horner
Richard C. Tennant and Mary L. Tennant
Carol Appleman Pace
William Paul Phillips, Sr.
Bradley S. Higgins and Caushana L. Higgins
Wilma C. Stiles, a/k/a Pat Stiles
Samuel L. Love
Donald P. Stiles
Scott N. Stiles
Nicholas T. Love
Carl W. Tennant
Kay E. Stiles
Nancy June Yost and Vincent R. Yost, Sr.
Anita D. Jaggie, f/k/a Anita Miller and Billy J. Jaggie
Denise L. Wylie, f/k/a Denise Vaughn
Jerilyn J. Miller
Jeffrey V. Whitehill
Joseph H. Mutter, Jr.
Charles F. Tennant, Jr.
Nancy K. Teem
Ralph B. Henderson
Carol Ann Hoffman
E. Jeanne Bryner
Donald Gilbert Stiles
Nancy L. Henderson
Barbara K. George
Ray Eugene Heston and Judy A. Heston
Mary Kay Martindale
Barbara Jean Ashley
Robert L. Krichbaum

09/09/2022

Gerald E. Gill Sr.  
Cathy G. Schloemer  
David Alan Copeland  
Waleta Stacy Rodeheaver and Randy N. Rodeheaver  
Gary A. Stiles  
Jane K. Hunter  
Phillip E. Miller Jr.  
Laurel Eikey  
Sheila Ruck  
Roberta M. King  
Robert Jeffrey Leach  
Nancy L. Henderson, f/k/a Nancy L. Edwards  
David W. Henderson and Gail A. Henderson  
John Lewis Eddy  
Theodore Ernest Copeland  
Beverly Anne Gill  
Ann Ruth Barr, f/k/a Anna Ruth Stiles  
Country Roads Minerals, LLC  
Shirley L. Cole  
Carol S. Appleman  
James D. Appleman  
John Binckley, a/k/a John L. Binckley, Jr.  
Vivian Louise Russell Brown, a/k/a Vivian Louise Russell  
Judy Ann Farber, a/k/a Judy Ann Stiles Clovis  
Karen S. Collins  
Dale L. Copeland  
Gary Allen Copeland  
Daniel Faulkner  
Shanan L. Cummings  
Robert D. Doll, II  
George F. Duckro  
Patricia D. Duckro  
John D. Eisenbarger  
Barbara A. Nystrom, a/k/a Barbara Ann Nystrom  
Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley  
Betty Haught  
Chad Everett Higgins, a/k/a Chad E. Higgins  
Troy Hixenbaugh  
David Juristy  
James A. Juristy  
Barbara R. Hyde, a/k/a Barbara Miller Hyde  
Kelly Ann Kinder Horner  
Mary Knisely  
Kim Kosbe  
Robert A. Mutter  
Christopher Love  
Scott Love  
Donna A. Mackey  
Robert Lee Miller, Jr.  
Steven Miller  
Christopher Eikey  
Brenda Smith  
Diane L. Allen, f/k/a Diane Smith  
Garry Smith  
Iva Lee Stewart  
Emery Stewart, II  
Vicki Anderson  
Tamala Brandan  
Stephenie Awroski  
David Lee Stiles  
James Douglas Stiles  
Lucas Eugene Stiles  
Bernice Tennant  
Diana Linn Tennant  
Jack V. Tennant, Jr.  
James S. Tennant  
Michael Lynn Tennant  
Peter Tennant  
Robert P. Tennant  
Robert D. Tennant

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TRACT ID	SURFACE OWNER	LESSOR	PIN
		William Gary Tennant Daniel Walls George R. Walls, a/k/a George Walls Betty Jo Walsh Wilbur Carl Whitehill, Jr. Robert Miller Floyd Eugene Cox  Robert L. Stiles Blue Ridge Royalties LLC	
73	Gene D. Yost & Sara E. Yost	Marjorie J. Kroh, a widow LOLA Drilling I, LLC Rice Drilling B, LLC  Gene D. Yost and Sara E. Yost, husband and wife EQT Production Company and Rice Drilling B LLC Glenn Roger Yost and Nancy Yost, husband and wife Larry Wayne Yost, a married man dealing in his sole and separate property Jerry Lee Yost, widower Mary Marlene Miller a/k/a Mary Marlene Alvarez, widow Eilene Yvonne Turner a/k/a Eilene Kucix a/k/a Eilene Yvonne Kucera, a married woman, dealing in her sole and separate property Steven Randolph Hartley and Brynn Hartley, husband and wife  Janet M. Shriver, a married woman, dealing in her sole and separate property Gary Lynn Yost, a widower Richard A. Tennant, a single man Christine Elizabeth Fritz and James Fritz, wife and husband Judith A. Ammons, a widow Jennifer Claunch Meyers and Robert E. Meyers, wife and husband Robert Lee Hartley and Judy Hartley, husband and wife Christopher Claunch	1-18-19.1
74	Richard A. Tennant	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Glenn Roger Yost and Nancy E. Yost Larry Wayne Yost Jerry Lee Yost Mary Marlene Miller Alvarez Eilene Yvonne Turner, a/k/a Eilene Kucix a/k/a Eilene Yvonne Kucera Gary Lynn Yost Gene D. Yost and Sara E. Yost Christopher Claunch  Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC  Vivian Maxine Tennant Estate, by Janet M. Shriver, acting as Executrix; Richard A. Tennant, a single man; Janet M. Shriver, a married woman dealing in her sole and separate property; and Judith A. Ammons, a single woman Northeast Natural Energy LLC	1-18-19
76	Thomas Oetjens Marshall Sr.	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Thomas Oetjens Marshall, widower Christopher Claunch  Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC	1-18-18

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TRACT ID	SURFACE OWNER	LESSOR	PIN
78	Harry Bradley, et ux, et al	Bounty Minerals II Acquisitions, LLC	1-18-14 1-18-14.1 THROUGH 1-18-14.5
		Lola Drilling I, LLC	
		Rice Drilling B LLC	
		Virginia L. Law	
		Janet Watkins	
		Juanita Ely	
		Rose Marie Shape	
		Walter M. Stewart II	
		Vivian Petoskey	
		Benjamin Wirick	
		Kelly J. Kelly	
		Ruth Ann Tallman	
		B. Eleanor Crowley	
		Betty Pitcock	
		Darlene Newsom	
		Diane R. Kalafsky	
		William H. Mace	
		Daniel R. Crowley	
		Charlene Crapnell	
		Harold P. Stewart, Jr.	
		Diana Lynn Stewart	
		Louise A. Stewart England	
		Byron E. Stewart, II	
		John A. Eddy	
		Paula Kalafsky	
		Laraine Metheny	
		Thomas William Crowley	
		Brentyn M. Mace	
		Greg W. Mace	
		Janet Boord	
		Martha Menzies and Harold D. Rogers, as trustees of the Martha Menzies Trust	
		Morris Mountaineer Oil and Gas LLC	
		Sidney Austin Smith Trust LLC	
		Thomas E. Ross	
		Richard M. Ross	
		Debra L. Mason	
		Carol Curtis	
		Dwight E. Jackson	
		Judy Wirick	
		Dwight Herd	
		Michael Delbert Herd	
		Christine Ann Boyd	
		Charles Patrick Herd	
		Bruce A. Davie, Jr.	
		Polly Fryman	
		Robert W. Davie	
		Jerry L. Hoffman	
		Cheryl J. Bosse	
		Rodney A. Bosse	
		JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	
		Robert Lee Mace III	
		Jeffrey R. Mace	
		Kyle J. Davie	
		Summer G. Johnson	
		Jessica L. Baum, a/k/a Jessica L. Gerwells	
		James Eric Davie	
		Susan Kimbrell	
		Richard A. Stewart	
		Andrew T. Stewart	
		Joyce Lydic	
		Thomas L. Hoffman	
		Lois Esspenshade	

09/09/2022

Judith Gashie
Margo Urbany Joyce
Hyla N. Urbany
Toledo Animal Shelter
Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross
XTO Energy Inc.

09/09/2022

WW-6A1  
(5/13)

Operator's Well No. WDTN19DHSM

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

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

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

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

**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

RECEIVED  
Office of Oil and Gas

AUG 04 2022

WV Department of  
Environmental Protection

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

Well Operator: CNX Gas Company LLC  
By: David Weigand  
Its: Permitting Services Mgr



Attachment: - Form WW-6A-1 for WOTN19DHSM

Tract ID	Tax Map & Parcel #	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page	
1	1-8-9	205228000	CNX Gas Company LLC	Hugh Kirkland	CNX Gas Company LLC	Fee	1611/49	
				Jack T. Livengood and Mary Jo Livengood	CNX Gas Company LLC	Fee	1611/52	
				Barbara Haning	CNX Gas Company LLC	Fee	1622/101	
				Diane H. Gondaves, individually and co-executor of the Edward Lee North Estate	CNX Gas Company LLC	Fee	1629/420	
				Patrick Lee North	CNX Gas Company LLC	Fee	1629/411	
				Melissa Kubishke	CNX Gas Company LLC	Not less than 1/8	1613/383	
				Catherine C. Kirkland	CNX Gas Company LLC	Not less than 1/8	1613/424	
				Louise H. Berg, as Trustee of the The Louise H. Berg Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1613/419	
				Sherry Lemons	CNX Gas Company LLC	Not less than 1/8	1613/388	
				Christine A. Kirkland, as Trustee of the Christine A. Kirkland Trust	CNX Gas Company LLC	Not less than 1/8	1613/429	
				Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1614/660	
				Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Family Revocable Trust dated 9/2/1998	CNX Gas Company LLC	Not less than 1/8	1614/654	
				Catherine Hanning Coleman, f/k/a Catherine G. Hanning	CNX Gas Company LLC	Not less than 1/8	1622/173	
				Zachary C. Hanning	CNX Gas Company LLC	Not less than 1/8	1622/209	
				Mary Hennen	CNX Gas Company LLC	Not less than 1/8	1620/155	
				A. E. Hennen, III	CNX Gas Company LLC	Not less than 1/8	1620/166	
				Morgan Hanning	CNX Gas Company LLC	Not less than 1/8	1622/168	
				Sarah C. Sheridan	CNX Gas Company LLC	Not less than 1/8	1621/340	
				Kathleen Farmer	CNX Gas Company LLC	Not less than 1/8	1620/160	
				Anne W. Hanning	CNX Gas Company LLC	Not less than 1/8	1620/171	
David Michael Hennen	CNX Gas Company LLC	Not less than 1/8	1620/176					
John K. Hennen	CNX Gas Company LLC	Not less than 1/8	1621/324					
Robert Douglas Hennen	CNX Gas Company LLC	Not less than 1/8	1622/183					
Elizabeth L. March	CNX Gas Company LLC	Not less than 1/8	1613/434					
Three Rivers Royalty, II, LLC	CNX Gas Company LLC	Not less than 1/8	1616/658					
Dabora Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R. Manning and Robert Manning, w/h	CNX Gas Company LLC	Not less than 1/8	1627/648					
Kathryn Rew Becker and Michael Compton, w/h	CNX Gas Company LLC	Not less than 1/8	1625/420					
BOKF, N.A. as Sole Trustee of the Alma Kirkland Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1631/94					
Gail T. Bellucci	Northeast Natural Energy LLC	Not less than 1/8	1680/158					
Northeast Natural Energy LLC	CNX Gas Company LLC	Assignment	154/99					
2	1-8-9	189014000	CNX Gas Company LLC	Three Rivers Royalty, II, LLC	CNX Gas Company LLC	Not less than 1/8	1616/658	
				Jack T. Livengood and Mary Jo Livengood	CNX Gas Company LLC	Not less than 1/8	1611/52	
				Elizabeth L. March	CNX Gas Company LLC	Not less than 1/8	1613/434	
				Debora Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R. Manning and Robert Manning	CNX Gas Company LLC	Not less than 1/8	1627/648	
				Kathryn Rew Becker and Michael Compton	CNX Gas Company LLC	Not less than 1/8	1625/420	
4	1-8-10	189649000	David Troy Beckner, et al	Mary Jane Beckner, Life Estate, widow and Troy David Beckner and Janet Lee Smith, Remaindermen, JTROS	Antero Resources Corporation	Not less than 1/8	1617/342	
				Antero Resources Corporation	CNX Gas Company LLC	Assignment	139/186	
57	1-13-1	204967000	Douglas S. Sanders, et ux	Thomas Sollars and Martha A. Sollars, husband and wife	CNX Gas Company LLC	Not less than 1/8	1732/63	
				Clark Donley Stiles, a single man	CNX Gas Company LLC	Not less than 1/8	1471/688	
				AMP IV, LP	CNX Gas Company LLC	Not less than 1/8	1694/227	
				Douglas S. Sanders and Kimberly J. Sanders, husband and wife	CNX Gas Company LLC	Not less than 1/8	1681/27	
38	1-13-22	204965000	David K. Sago, et ux	David K. Sago and Ramona J. Sago, husband and wife	CNX Gas Company LLC	Not less than 1/8	1613/414	
				Thomas Sollars and Martha A. Sollars, husband and wife	CNX Gas Company LLC	Not less than 1/8	1634/155	
				Clark Donley Stiles, a single man	CNX Gas Company LLC	Not less than 1/8	1634/52	
				AMP IV, LP	CNX Gas Company LLC	Not less than 1/8	1694/227	
40	1-13-23	204963000	David K. Tennant, et ux, et al	James B. Reeder, in his capacity as the incumbent and currently acting Trustee of the Jim Bob Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1736/182	
				Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of William F. Reeder	CNX Gas Company LLC	Not less than 1/8	1736/202	
				Stephen B. Ferguson, in his capacity as the incumbent and currently acting Trustee of the Margaret R. Ferguson Revocable Trust	CNX Gas Company LLC	Not less than 1/8	1736/197	
				Carolyn R. Greiner, in her capacity as the incumbent and currently acting trustee of the Carolyn R. Greiner Trust of 1999	CNX Gas Company LLC	Not less than 1/8	1736/192	
				Louise Reeder Seaton, in her capacity as the incumbent and currently acting trustee of the Louise Reeder Seaton Trust, a Revocable Inter vivos trust created 8/13/1993	CNX Gas Company LLC	Not less than 1/8	1736/207	
				Thomas Bradley Reeder, in his capacity as the incumbent and currently acting trustee of the Reeder Living Trust of 2008	CNX Gas Company LLC	Not less than 1/8	1736/187	
				Carolyn R. Greiner, in her capacity as agent and attorney-in-fact for and on behalf of Susan Reeder Ruffatto, aka, Susan Reeder Ruffatto	CNX Gas Company LLC	Not less than 1/8	1736/177	
				Thomas W. Sanders	Thomas W. Sanders, a single man	CNX Gas Company LLC	Not less than 1/8	1681/32
				Thomas Sollars and Martha A. Sollars, husband and wife	CNX Gas Company LLC	Not less than 1/8	1757/115	
				Clark Donley Stiles, a single man	CNX Gas Company LLC	Not less than 1/8	1471/681	
AMP IV, LP	CNX Gas Company LLC	Not less than 1/8	1694/227					
51	1-13-26	204985000	Thomas W. Sanders	Ronald W. Wade	Northeast Natural Energy LLC	Not less than 1/8	1648/7	
				Northeast Natural Energy LLC	CNX Gas Company LLC	Assignment	158/592	
54	1-13-27	204986000	Jacqueline Carol Cowell	Ginger L. Brookover	CNX Gas Company LLC	Not less than 1/8	1510/823	
				Douglas Haught	CNX Gas Company LLC	Not less than 1/8	1514/551	
				Keith Haught	CNX Gas Company LLC	Not less than 1/8	1522/551	
				Michael Haught	CNX Gas Company LLC	Not less than 1/8	1520/449	
				Jacqueline Carol Cowell, widow	CNX Gas Company LLC	Not less than 1/8	1666/786	
55	1-13-27	204986000	Jacqueline Carol Cowell	Ginger L. Brookover	CNX Gas Company LLC	Not less than 1/8	1510/823	



Tract ID	Tax Map #	Title Opinion OLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
✓70	Parcel 1-18-6 1-18-7	# 257904000	Opal Howard	Jesse Gump	CNX Gas Company LLC	Not less than 1/8	1645/128
				Floyd B. Smith, a/k/a Bennet Smith	CNX Gas Company LLC	Not less than 1/8	1645/122
				Gregory Caldwell and Alice Ann Caldwell	CNX Gas Company LLC	Not less than 1/8	1645/78
				John P. Coblenz, Jr. and Doratha Dillon Coblenz	CNX Gas Company LLC	Not less than 1/8	1645/62
				Jacqueline A. Luebke, 1/4/a Jacqueline A. Cowell	CNX Gas Company LLC	Not less than 1/8	1645/72
				Sharon Norwich	CNX Gas Company LLC	Not less than 1/8	1645/424
				Lucy Genevieve Wilson and Robert C. Wilson	CNX Gas Company LLC	Not less than 1/8	1644/787
				Laura Higgins Pettit (signed lease as Laura June Pettit)	CNX Gas Company LLC	Not less than 1/8	1645/84
				Robert E. Adams, Jr. and Karen F. Norwich Adams	CNX Gas Company LLC	Not less than 1/8	1645/96
				Denise Grimsald	CNX Gas Company LLC	Not less than 1/8	1645/90
				Barbara Shafer	CNX Gas Company LLC	Not less than 1/8	1651/717
				Jeanie Rush	CNX Gas Company LLC	Not less than 1/8	1651/777
				Bertha Stiles	CNX Gas Company LLC	Not less than 1/8	1651/723
				Judy Kamppi	CNX Gas Company LLC	Not less than 1/8	1651/771
				Albert Stiles, Jr.	CNX Gas Company LLC	Not less than 1/8	1651/699
				Phillip R. Higgins	CNX Gas Company LLC	Not less than 1/8	1650/694
				Johnathan P. Cowell	CNX Gas Company LLC	Not less than 1/8	1650/765
				Michelle Stiles	CNX Gas Company LLC	Not less than 1/8	1651/711
				Donna Merritt	CNX Gas Company LLC	Not less than 1/8	1651/741
				Brenda Wilson Dillon	CNX Gas Company LLC	Not less than 1/8	1651/759
				Kenneth I. Tharp and Judith D. Tharp	CNX Gas Company LLC	Not less than 1/8	1656/759
				Michael E. Collins and Dendra L. Collins	CNX Gas Company LLC	Not less than 1/8	1661/219
				Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact	CNX Gas Company LLC	Fee	
				Susan V. Stabler	CNX Gas Company LLC	Not less than 1/8	1663/26
				Charles Mark LaPoe	CNX Gas Company LLC	Not less than 1/8	1662/193
				Allan V. LaPoe	CNX Gas Company LLC	Not less than 1/8	1661/292
				Harold L. Doll	CNX Gas Company LLC	Not less than 1/8	1664/136
				Charlotte May Lemley, a/k/a Charlotte M. Rezode	CNX Gas Company LLC	Not less than 1/8	1664/142
				Patricia Ann Wright	CNX Gas Company LLC	Fee	
				Wesley Higgins	CNX Gas Company LLC	Not less than 1/8	1666/728
				Mary Copeland	CNX Gas Company LLC	Not less than 1/8	1666/823
				Ana Mae Lazzelle	CNX Gas Company LLC	Not less than 1/8	1679/127
				James E. Stiles	CNX Gas Company LLC	Not less than 1/8	1675/312
				Peggy Ann Morris, 1/4/a Peggy Ann Tennant	CNX Gas Company LLC	Not less than 1/8	1677/494
				Charles R. Holliday and Ann R. Holliday	CNX Gas Company LLC	Not less than 1/8	1675/353
				John William Foley, Jr.	CNX Gas Company LLC	Not less than 1/8	1675/318
				Yvonne L. LaPoe Cook	CNX Gas Company LLC	Not less than 1/8	1675/640
				Dorothy I. Statler	CNX Gas Company LLC	Not less than 1/8	1680/426
				Dottie Stiles	CNX Gas Company LLC	Not less than 1/8	1677/488
				Lisa D. Raber-Ammons, f/k/a Lisa D. Raber	CNX Gas Company LLC	Not less than 1/8	1680/111
				Joseph B. Bloom and Edith Lucille Bloom	CNX Gas Company LLC	Not less than 1/8	1680/117
				Marjorie Karen Francis, a/k/a Karen Francis	CNX Gas Company LLC	Not less than 1/8	1677/477
				Judith Guest and Ronald Guest	CNX Gas Company LLC	Not less than 1/8	1681/16
				Patricia L. Feldt	CNX Gas Company LLC	Fee	
				Franklin Wayne Higgins, Jr.	CNX Gas Company LLC	Not less than 1/8	1683/64
				Connie Sue Copeland	CNX Gas Company LLC	Not less than 1/8	1689/225
				Donald R. Cross and Karen J. Cross	CNX Gas Company LLC	Not less than 1/8	1693/68
				Ronald Eugene Foley	CNX Gas Company LLC	Not less than 1/8	1735/799
				Benjamin R. LaPoe	CNX Gas Company LLC	Not less than 1/8	1735/815
				Evelyn Jane Kelly	CNX Gas Company LLC	Not less than 1/8	1737/491
				Rebecca L. Buchanan	CNX Gas Company LLC	Not less than 1/8	1735/843
				Mary Lynn Cumberledge	CNX Gas Company LLC	Not less than 1/8	1736/1
				Nila A. Owens	CNX Gas Company LLC	Not less than 1/8	1742/296
				Nicole Lynn Wolfe	CNX Gas Company LLC	Not less than 1/8	1740/193
				Martha Jean Owens Meredith	CNX Gas Company LLC	Not less than 1/8	1740/199
				Margie Walls McMahon and John D. McMahon	CNX Gas Company LLC	Not less than 1/8	1740/260
				Jennifer Ham	CNX Gas Company LLC	Not less than 1/8	1740/274
				Steven E. Burgung	CNX Gas Company LLC	Not less than 1/8	1740/268
				Jonathan N. Stiles and Rhonda C. Stiles	CNX Gas Company LLC	Not less than 1/8	1740/205
				Vickie L. McVay	CNX Gas Company LLC	Not less than 1/8	1740/291
				Pamela D. Thacker	CNX Gas Company LLC	Not less than 1/8	1740/182
				Jeanne F. Songer, 1/4/a Jeanne F. Gump Horn	CNX Gas Company LLC	Not less than 1/8	1744/25
				Deborah Jo Henry	CNX Gas Company LLC	Not less than 1/8	1744/31
				Robert Stephen Smith	CNX Gas Company LLC	Not less than 1/8	1744/19
				Rebecca Renee Tennant	CNX Gas Company LLC	Not less than 1/8	1745/507
				Samuel L. Horner and Sharon Horner	CNX Gas Company LLC	Not less than 1/8	1744/809
				Richard C. Tennant and Mary L. Tennant	CNX Gas Company LLC	Not less than 1/8	1747/383
				Carol Appleman Pace	CNX Gas Company LLC	Not less than 1/8	1747/372
				William Paul Phillips, Sr.	CNX Gas Company LLC	Not less than 1/8	1747/331
				Bradley S. Higgins and Caushana L. Higgins	CNX Gas Company LLC	Not less than 1/8	1747/395
				Wilma C. Stiles, a/k/a Pat Stiles	CNX Gas Company LLC	Not less than 1/8	1747/427
				Samuel L. Love	CNX Gas Company LLC	Not less than 1/8	1746/565
				Donald P. Stiles	CNX Gas Company LLC	Not less than 1/8	1746/559
				Scott N. Stiles	CNX Gas Company LLC	Not less than 1/8	1748/409
				Nicholas T. Love	CNX Gas Company LLC	Not less than 1/8	1748/313
				Carl W. Tennant	CNX Gas Company LLC	Not less than 1/8	1748/465
				Kay C. Stiles	CNX Gas Company LLC	Not less than 1/8	1752/584
				Nancy June Yost and Vincent R. Yost, Sr.	CNX Gas Company LLC	Not less than 1/8	1748/459
				Anita D. Jaggie, f/k/a Anita Miller and Billy J. Jaggie	CNX Gas Company LLC	Not less than 1/8	1749/317
				Denise L. Wylie, f/k/a Denise Vaughn	CNX Gas Company LLC	Not less than 1/8	1749/399
				Jertlyn J. Miller	CNX Gas Company LLC	Not less than 1/8	1749/405
				Jeffrey V. Whitehill	CNX Gas Company LLC	Not less than 1/8	1749/311
				Joseph H. Mutter, Jr.	CNX Gas Company LLC	Not less than 1/8	1751/122
				Charles F. Tennant, Jr.	CNX Gas Company LLC	Not less than 1/8	1751/667
				Nancy K. Teem	CNX Gas Company LLC	Not less than 1/8	1751/639
				Ralph B. Henderson	CNX Gas Company LLC	Not less than 1/8	1751/628
				Carol Ann Hoffman	CNX Gas Company LLC	Not less than 1/8	1752/12
				E. Jeanne Bryner	CNX Gas Company LLC	Not less than 1/8	1757/49
				Donald Gilbert Stiles	CNX Gas Company LLC	Not less than 1/8	1757/139
				Nancy L. Henderson	CNX Gas Company LLC	Not less than 1/8	1757/145
				Barbara K. George	CNX Gas Company LLC	Not less than 1/8	1757/109
				Ray Eugene Heston and Judy A. Heston	CNX Gas Company LLC	Not less than 1/8	1751/645
				Mary Kay Martindale	CNX Gas Company LLC	Not less than 1/8	1752/6
				Barbara Jean Ashley	CNX Gas Company LLC	Not less than 1/8	1752/18
				Robert L. Krichbaum	CNX Gas Company LLC	Not less than 1/8	1752/65
				Gerald E. Gill Sr.	CNX Gas Company LLC	Not less than 1/8	1751/661
				Cathy G. Schloemer	CNX Gas Company LLC	Not less than 1/8	1761/756
				David Alan Copeland	CNX Gas Company LLC	Not less than 1/8	1761/839
				Waleta Stacy Rodeheaver and Randy N. Rodeheaver	CNX Gas Company LLC	Not less than 1/8	1766/618
				Gary A. Stiles	CNX Gas Company LLC	Not less than 1/8	1767/325
				Jane K. Hunter	CNX Gas Company LLC	Not less than 1/8	1769/564
				Phillip E. Miller Jr.	CNX Gas Company LLC	Not less than 1/8	1771/214
				Laurel Elkey	CNX Gas Company LLC	Not less than 1/8	1771/225
				Shella Ruck	CNX Gas Company LLC	Not less than 1/8	1772/185
				Robert M. King	CNX Gas Company LLC	Not less than 1/8	1773/53
				Robert Jeffrey Leach	CNX Gas Company LLC	Not less than 1/8	1773/63
				Nancy L. Henderson, 1/4/a Nancy L. Edwards	CNX Gas Company LLC	Not less than 1/8	1773/71
				David W. Henderson and Gail A. Henderson	CNX Gas Company LLC	Not less than 1/8	1514/569
				John Lewis Eddy	CNX Gas Company LLC	Not less than 1/8	1515/365
				Theodore Ernest Copeland	CNX Gas Company LLC	Not less than 1/8	1644/140
				Beverly Anne Gill	CNX Gas Company LLC	Not less than 1/8	1644/212
				Ann Ruth Barr, f/k/a Anna Ruth Stiles	CNX Gas Company LLC	Not less than 1/8	1644/218
						Not less than 1/8	1644/300

Tract ID	Tax Map & Parcel #	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Country Roads Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1749/533
				Opal Howard	CNX Gas Company LLC	Not less than 1/8	1752/60
				Carol S. Appelman	CNX Gas Company LLC	Not less than 1/8	151/332
				James D. Appelman	CNX Gas Company LLC	Not less than 1/8	1701/152
				John Binkley, a/k/a John L. Binkley, Jr.	CNX Gas Company LLC	Not less than 1/8	151/332
				Vivian Louise Russell Brown, a/k/a Vivian Louise Russell	CNX Gas Company LLC	Not less than 1/8	151/332
				Judy Ann Farber, a/k/a Judy Ann Stiles Clovis	CNX Gas Company LLC	Not less than 1/8	151/332
				Karen S. Collins	CNX Gas Company LLC	Not less than 1/8	151/332
				Dale L. Copeland	CNX Gas Company LLC	Not less than 1/8	151/332
				Gary Allen Copeland	CNX Gas Company LLC	Not less than 1/8	151/332
				Daniel Faulkner	CNX Gas Company LLC	Not less than 1/8	151/332
				Shanon L. Cummings	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert D. Doll, II	CNX Gas Company LLC	Not less than 1/8	151/332
				George F. Duckro	CNX Gas Company LLC	Not less than 1/8	151/332
				Patricia D. Duckro	CNX Gas Company LLC	Not less than 1/8	151/332
				John D. Eisenbarger	CNX Gas Company LLC	Not less than 1/8	151/332
				Barbara A. Nystrom, a/k/a Barbara Ann Nystrom	CNX Gas Company LLC	Not less than 1/8	151/332
				Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley	CNX Gas Company LLC	Not less than 1/8	151/332
				Betty Haight	CNX Gas Company LLC	Not less than 1/8	151/332
				Chad Everett Higgins, a/k/a Chad E. Higgins	CNX Gas Company LLC	Not less than 1/8	151/332
				Troy Hixenbaugh	CNX Gas Company LLC	Not less than 1/8	151/332
				David Juristy	CNX Gas Company LLC	Not less than 1/8	151/332
				James A. Juristy	CNX Gas Company LLC	Not less than 1/8	151/332
				Barbara R. Hyde, a/k/a Barbara Miller Hyde	CNX Gas Company LLC	Not less than 1/8	151/332
				Kelly Ann Kinder Horner	CNX Gas Company LLC	Not less than 1/8	151/332
				Mary Knisely	CNX Gas Company LLC	Not less than 1/8	151/332
				Kim Koebel	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert A. Mutter	CNX Gas Company LLC	Not less than 1/8	151/332
				Christopher Love	CNX Gas Company LLC	Not less than 1/8	151/332
				Scott Love	CNX Gas Company LLC	Not less than 1/8	151/332
				Donna A. Mackey	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert Lee Miller, Jr.	CNX Gas Company LLC	Not less than 1/8	151/332
				Steven Miller	CNX Gas Company LLC	Not less than 1/8	151/332
				Christopher Eikay	CNX Gas Company LLC	Not less than 1/8	151/332
				Brenda Smith	CNX Gas Company LLC	Not less than 1/8	151/332
				Diane L. Allen, f/k/a Diane Smith	CNX Gas Company LLC	Not less than 1/8	151/332
				Garry Smith	CNX Gas Company LLC	Not less than 1/8	151/332
				Iva Lee Stewart	CNX Gas Company LLC	Not less than 1/8	151/332
				Emery Stewart, II	CNX Gas Company LLC	Not less than 1/8	151/332
				Vicki Anderson	CNX Gas Company LLC	Not less than 1/8	151/332
				Tamala Brandan	CNX Gas Company LLC	Not less than 1/8	151/332
				Stephanie Awroski	CNX Gas Company LLC	Not less than 1/8	151/332
				David Lee Stiles	CNX Gas Company LLC	Not less than 1/8	151/332
				James Douglas Stiles	CNX Gas Company LLC	Not less than 1/8	151/332
				Lucas Eugene Stiles	CNX Gas Company LLC	Not less than 1/8	151/332
				Bernice Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Diana Lynn Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Jack V. Tennant, Jr.	CNX Gas Company LLC	Not less than 1/8	151/332
				James S. Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Michael Lynn Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Peter Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert P. Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert D. Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				William Gary Tennant	CNX Gas Company LLC	Not less than 1/8	151/332
				Daniel Walls	CNX Gas Company LLC	Not less than 1/8	151/332
				George R. Walls, a/k/a George Walls	CNX Gas Company LLC	Not less than 1/8	151/332
				Betty Jo Walsh	CNX Gas Company LLC	Not less than 1/8	151/332
				Wilbur Carl Whitehill, Jr.	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert Miller	CNX Gas Company LLC	Not less than 1/8	151/332
				Floyd Eugene Cox	CNX Gas Company LLC	Not less than 1/8	151/332
				Robert L. Stiles	Blue Ridge Royalties LLC	Not less than 1/8	1653/430
				Blue Ridge Royalties LLC	CNX Gas Company LLC	Assignment	140/48
71	1-18-7	258452000	Robert L. Cole, et ux	Jesse Gump	CNX Gas Company LLC	Not less than 1/8	1645/128
				Floyd B. Smith, a/k/a Bennet Smith	CNX Gas Company LLC	Not less than 1/8	1645/122
				Gregory Caldwell and Alice Ann Caldwell	CNX Gas Company LLC	Not less than 1/8	1645/78
				John P. Coblenz, Jr. and Doratheia Dillon Coblenz	CNX Gas Company LLC	Not less than 1/8	1645/62
				Jacqueline A. Luebke, f/k/a Jacqueline A. Covell	CNX Gas Company LLC	Not less than 1/8	1645/72
				Sharon Norwich	CNX Gas Company LLC	Not less than 1/8	1645/424
				Lucy Genevieve Wilson and Robert C. Wilson	CNX Gas Company LLC	Not less than 1/8	1644/787
				Laura Higgins Pettit (signed lease as Laura June Pettit)	CNX Gas Company LLC	Not less than 1/8	1645/84
				Robert E. Adams, Jr. and Karen F. Norwich Adams	CNX Gas Company LLC	Not less than 1/8	1645/90
				Denise Grimaldi	CNX Gas Company LLC	Not less than 1/8	1651/717
				Barbara Shafer	CNX Gas Company LLC	Not less than 1/8	1651/777
				Jeanie Rush	CNX Gas Company LLC	Not less than 1/8	1651/723
				Bertha Stiles	CNX Gas Company LLC	Not less than 1/8	1651/771
				Judy Kamppi	CNX Gas Company LLC	Not less than 1/8	1651/699
				Albert Stiles, Jr.	CNX Gas Company LLC	Not less than 1/8	1650/634
				Phillip R. Higgins	CNX Gas Company LLC	Not less than 1/8	1650/614
				Johnathan P. Cowell	CNX Gas Company LLC	Not less than 1/8	1651/765
				Michelle Stiles	CNX Gas Company LLC	Not less than 1/8	1651/711
				Donna Merritt	CNX Gas Company LLC	Not less than 1/8	1651/741
				Brenda Wilson Dillon	CNX Gas Company LLC	Not less than 1/8	1651/759
				Kenneth I. Tharp and Judith D. Tharp	CNX Gas Company LLC	Not less than 1/8	1656/759
				Michael E. Collins and Dedra L. Collins	CNX Gas Company LLC	Not less than 1/8	1661/219
				Patricia Joy Cowell Lewis, a/k/a Patricia Joy Lewis, widow, by Lori Ann Stone, as Attorney-in-Fact	CNX Gas Company LLC	Fee	1663/26
				Susan V. Statler	CNX Gas Company LLC	Not less than 1/8	1662/193
				Charles Mark LaPoe	CNX Gas Company LLC	Not less than 1/8	1661/292
				Allan V. LaPoe	CNX Gas Company LLC	Not less than 1/8	1664/136
				Harold L. Doll	CNX Gas Company LLC	Not less than 1/8	1664/142
				Charlotte May Lemley, a/k/a Charlotte M. Rozzode	CNX Gas Company LLC	Not less than 1/8	1666/728
				Patricia Ann Wright	CNX Gas Company LLC	Fee	1666/823
				Wesley Higgins	CNX Gas Company LLC	Not less than 1/8	1673/127
				Mary Copeland	CNX Gas Company LLC	Not less than 1/8	1675/312
				Ana Mae Lazzelle	CNX Gas Company LLC	Not less than 1/8	1677/494
				James E. Stiles	CNX Gas Company LLC	Not less than 1/8	1675/353
				Peggy Ann Morris, f/k/a Peggy Ann Tennant	CNX Gas Company LLC	Not less than 1/8	1675/318
				Charles R. Holliday and Ann R. Holliday	CNX Gas Company LLC	Not less than 1/8	1675/540
				John William Foley, Jr.	CNX Gas Company LLC	Not less than 1/8	1680/426
				Yvonne L. LaPoe Cook	CNX Gas Company LLC	Not less than 1/8	1677/488
				Dorothy I. Statler	CNX Gas Company LLC	Not less than 1/8	1680/111
				Dottie Stiles	CNX Gas Company LLC	Not less than 1/8	1680/117
				Lisa D. Raber-Ammons, f/k/a Lisa D. Raber	CNX Gas Company LLC	Not less than 1/8	1677/477
				Joseph B. Bloom and Edith Lucille Bloom	CNX Gas Company LLC	Not less than 1/8	1681/16
				Marjorie Karen Francis, a/k/a Karen Francis	CNX Gas Company LLC	Not less than 1/8	1683/64
				Judith Guest and Ronald Guest	CNX Gas Company LLC	Fee	1689/225
				Patricia L. Feidt	CNX Gas Company LLC	Not less than 1/8	1689/68
				Franklin Wayne Higgins, Jr.	CNX Gas Company LLC	Not less than 1/8	1735/799
				Connie Sue Copeland	CNX Gas Company LLC	Not less than 1/8	1735/815
				Donald R. Cross and Karen J. Cross	CNX Gas Company LLC	Not less than 1/8	1737/491
				Ronald Eugene Foley	CNX Gas Company LLC	Not less than 1/8	

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Benjamin R. LaPoe	CNX Gas Company LLC	Not less than 1/8	1735/843
Evelyn Jane Kelly	CNX Gas Company LLC	Not less than 1/8	1736/1
Rebecca L. Buchanan	CNX Gas Company LLC	Not less than 1/8	1742/296
Mary Lynn Cumberland	CNX Gas Company LLC	Not less than 1/8	1740/193
Hila A. Owens	CNX Gas Company LLC	Not less than 1/8	1740/199
Nicole Lynn Wolff	CNX Gas Company LLC	Not less than 1/8	1740/280
Martha Jean Owens Meredith	CNX Gas Company LLC	Not less than 1/8	1740/274
Margie Walls McMahon and John D. McMahon	CNX Gas Company LLC	Not less than 1/8	1740/288
Jennifer Ham	CNX Gas Company LLC	Not less than 1/8	1740/205
Steven E. Burgung	CNX Gas Company LLC	Not less than 1/8	1740/291
Jonathan N. Stiles and Rhonda C. Stiles	CNX Gas Company LLC	Not less than 1/8	1740/182
Vickey L. McVay	CNX Gas Company LLC	Not less than 1/8	1744/25
Pamela D. Thacker	CNX Gas Company LLC	Not less than 1/8	1744/31
Jeanne F. Songer, 1/8/a Jeanne F. Gump Horn	CNX Gas Company LLC	Not less than 1/8	1744/19
Deborah Jo Henry	CNX Gas Company LLC	Not less than 1/8	1745/507
Robert Stephen Smith	CNX Gas Company LLC	Not less than 1/8	1744/809
Rebecca Renee Tennant	CNX Gas Company LLC	Not less than 1/8	1747/383
Samuel L. Horner and Sharon Horner	CNX Gas Company LLC	Not less than 1/8	1747/372
Richard C. Tennant and Mary L. Tennant	CNX Gas Company LLC	Not less than 1/8	1747/351
Carol Appleman Pace	CNX Gas Company LLC	Not less than 1/8	1747/395
William Paul Phillips, Sr.	CNX Gas Company LLC	Not less than 1/8	1747/427
Bradley S. Higgins and Caushana L. Higgins	CNX Gas Company LLC	Not less than 1/8	1746/565
Wilma C. Stiles, a/k/a Pat Stiles	CNX Gas Company LLC	Not less than 1/8	1746/559
Samuel L. Love	CNX Gas Company LLC	Not less than 1/8	1748/409
Donald P. Stiles	CNX Gas Company LLC	Not less than 1/8	1748/313
Scott N. Stiles	CNX Gas Company LLC	Not less than 1/8	1748/465
Nicholas T. Love	CNX Gas Company LLC	Not less than 1/8	1752/584
Carl W. Tennant	CNX Gas Company LLC	Not less than 1/8	1748/459
Kay E. Stiles	CNX Gas Company LLC	Not less than 1/8	1749/373
Nancy June Yost and Vincent R. Yost, Sr.	CNX Gas Company LLC	Not less than 1/8	1749/317
Anita D. Jaggie, 1/8/a Anita Miller and Billy J. Jaggie	CNX Gas Company LLC	Not less than 1/8	1749/399
Denise L. Wylie, 1/8/a Denise Vaughn	CNX Gas Company LLC	Not less than 1/8	1749/405
Jerilyn J. Miller	CNX Gas Company LLC	Not less than 1/8	1749/311
Jeffrey V. Whitehill	CNX Gas Company LLC	Not less than 1/8	1751/122
Joseph H. Mutter, Jr.	CNX Gas Company LLC	Not less than 1/8	1751/667
Charles F. Tennant, Jr.	CNX Gas Company LLC	Not less than 1/8	1751/639
Nancy K. Teem	CNX Gas Company LLC	Not less than 1/8	1751/628
Ralph B. Henderson	CNX Gas Company LLC	Not less than 1/8	1752/12
Carol Ann Hoffman	CNX Gas Company LLC	Not less than 1/8	1757/49
E. Jeanne Bryner	CNX Gas Company LLC	Not less than 1/8	1757/138
Donald Gilbert Stiles	CNX Gas Company LLC	Not less than 1/8	1757/145
Nancy L. Henderson	CNX Gas Company LLC	Not less than 1/8	1757/109
Barbara K. George	CNX Gas Company LLC	Not less than 1/8	1751/645
Ray Eugene Heston and Judy A. Heston	CNX Gas Company LLC	Not less than 1/8	1752/6
Mary Kay Martindale	CNX Gas Company LLC	Not less than 1/8	1752/18
Barbara Jean Ashley	CNX Gas Company LLC	Not less than 1/8	1752/65
Robert L. Krichbaum	CNX Gas Company LLC	Not less than 1/8	1751/661
Gerald E. Gill Sr.	CNX Gas Company LLC	Not less than 1/8	1761/756
Cathy G. Schloemer	CNX Gas Company LLC	Not less than 1/8	1761/839
David Alan Copeland	CNX Gas Company LLC	Not less than 1/8	1766/618
Waleta Stacy Roddeheaver and Randy N. Roddeheaver	CNX Gas Company LLC	Not less than 1/8	1767/325
Gary A. Stiles	CNX Gas Company LLC	Not less than 1/8	1769/564
Jane K. Hunter	CNX Gas Company LLC	Not less than 1/8	1771/214
Phillip E. Miller Jr.	CNX Gas Company LLC	Not less than 1/8	1771/225
Laurel Eikey	CNX Gas Company LLC	Not less than 1/8	1772/185
Sheila Ruck	CNX Gas Company LLC	Not less than 1/8	1773/53
Roberta M. King	CNX Gas Company LLC	Not less than 1/8	1773/65
Robert Jeffrey Leahy	CNX Gas Company LLC	Not less than 1/8	1773/71
Nancy L. Henderson, 1/8/a Nancy L. Edwards	CNX Gas Company LLC	Not less than 1/8	1514/569
David W. Henderson and Gail A. Henderson	CNX Gas Company LLC	Not less than 1/8	1515/368
John Lewis Eddy	CNX Gas Company LLC	Not less than 1/8	1644/140
Theodore Ernest Copeland	CNX Gas Company LLC	Not less than 1/8	1644/212
Beverly Anne Gill	CNX Gas Company LLC	Not less than 1/8	1644/216
Ann Ruth Barr, 1/8/a Anna Ruth Stiles	CNX Gas Company LLC	Not less than 1/8	1644/300
Country Roads Minerals, LLC	CNX Gas Company LLC	Not less than 1/8	1749/533
Shirley L. Cole	CNX Gas Company LLC	Fee	1750/449
Carol S. Appleman	CNX Gas Company LLC	Not less than 1/8	151/339
James D. Appleman	CNX Gas Company LLC	Not less than 1/9	1781/152
John Binsckley, a/k/a John L. Binsckley, Jr.	CNX Gas Company LLC	Not less than 1/8	151/339
Vivian Louise Russell Brown, a/k/a Vivian Louise Russell	CNX Gas Company LLC	Not less than 1/8	151/339
Judy Ann Farber, a/k/a Judy Ann Stiles Clovis	CNX Gas Company LLC	Not less than 1/8	151/339
Karen S. Collins	CNX Gas Company LLC	Not less than 1/8	151/339
Dale L. Copeland	CNX Gas Company LLC	Not less than 1/8	151/339
Gary Allen Copeland	CNX Gas Company LLC	Not less than 1/8	151/339
Daniel Faulkner	CNX Gas Company LLC	Not less than 1/8	151/339
Shanan L. Cummings	CNX Gas Company LLC	Not less than 1/8	151/339
Robert D. Doll, II	CNX Gas Company LLC	Not less than 1/8	151/339
George F. Duckro	CNX Gas Company LLC	Not less than 1/8	151/339
Patricia D. Duckro	CNX Gas Company LLC	Not less than 1/8	151/339
John D. Eisenberger	CNX Gas Company LLC	Not less than 1/8	151/339
Barbara A. Nystrom, a/k/a Barbara Ann Nystrom	CNX Gas Company LLC	Not less than 1/8	151/339
Margaret E. Balsley, a/k/a Margaret Elizabeth Balsley	CNX Gas Company LLC	Not less than 1/8	151/339
Betty Haught	CNX Gas Company LLC	Not less than 1/8	151/339
Chad Everett Higgins, a/k/a Chad E. Higgins	CNX Gas Company LLC	Not less than 1/8	151/339
Troy Hixenbaugh	CNX Gas Company LLC	Not less than 1/8	151/339
David Juristy	CNX Gas Company LLC	Not less than 1/8	151/339
James A. Juristy	CNX Gas Company LLC	Not less than 1/8	151/339
Barbara R. Hyde, a/k/a Barbara Miller Hyde	CNX Gas Company LLC	Not less than 1/8	151/339
Kelly Ann Kinder Horner	CNX Gas Company LLC	Not less than 1/8	151/339
Mary Knibely	CNX Gas Company LLC	Not less than 1/8	151/339
Kim Kosba	CNX Gas Company LLC	Not less than 1/8	151/339
Robert A. Mutter	CNX Gas Company LLC	Not less than 1/8	151/339
Christopher Love	CNX Gas Company LLC	Not less than 1/8	151/339
Scott Love	CNX Gas Company LLC	Not less than 1/8	151/339
Donna A. Mackey	CNX Gas Company LLC	Not less than 1/8	151/339
Robert Lee Miller, Jr.	CNX Gas Company LLC	Not less than 1/8	151/339
Steven Miller	CNX Gas Company LLC	Not less than 1/8	151/339
Christopher Eikey	CNX Gas Company LLC	Not less than 1/8	151/339
Brenda Smith	CNX Gas Company LLC	Not less than 1/8	151/339
Diane L. Allan, 1/8/a Diane Smith	CNX Gas Company LLC	Not less than 1/8	151/339
Garry Smith	CNX Gas Company LLC	Not less than 1/8	151/339
Iva Lee Stewart	CNX Gas Company LLC	Not less than 1/8	151/339
Emery Stewart, II	CNX Gas Company LLC	Not less than 1/8	151/339
Vicki Anderson	CNX Gas Company LLC	Not less than 1/8	151/339
Tamale Brandon	CNX Gas Company LLC	Not less than 1/8	151/339
Stephanie Awroski	CNX Gas Company LLC	Not less than 1/8	151/339
David Lee Stiles	CNX Gas Company LLC	Not less than 1/8	151/339
Jarvis Douglas Stiles	CNX Gas Company LLC	Not less than 1/8	151/339
Lucas Eugene Stiles	CNX Gas Company LLC	Not less than 1/8	151/339
Bernice Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
Diana Linn Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
Jack V. Tennant, Jr.	CNX Gas Company LLC	Not less than 1/8	151/339
James S. Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
Michael Lynn Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
Peter Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
Robert P. Tennant	CNX Gas Company LLC	Not less than 1/8	151/339

Tract ID	Tax Map & Parcel #	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
				Robert D. Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
				William Gary Tennant	CNX Gas Company LLC	Not less than 1/8	151/339
				Daniel Walls	CNX Gas Company LLC	Not less than 1/8	151/339
				George R. Walls, a/k/a George Walls	CNX Gas Company LLC	Not less than 1/8	151/339
				Betty Jo Walsh	CNX Gas Company LLC	Not less than 1/8	151/339
				Wilbur Carl Whitehill, Jr.	CNX Gas Company LLC	Not less than 1/8	151/339
				Robert Miller	CNX Gas Company LLC	Not less than 1/8	151/339
				Floyd Eugene Cox	CNX Gas Company LLC	Not less than 1/8	151/339
				Robert L. Stiles	Blue Ridge Royalties LLC	Not less than 1/8	1651/430
				Blue Ridge Royalties LLC	CNX Gas Company LLC	Assignment	340/48
73	1-18-19.1	285845000	Gene D. Yost & Sara E. Yost	Marjorie J. Kroh, a widow LOLA Drilling I, LLC Rice Drilling B, LLC	Lola Drilling I, LLC Rice Drilling B, LLC CNX Gas Company LLC	Not less than 1/8 Assignment Assignment	1563/69 133/752 153/774
				Gene D. Yost and Sara E. Yost, husband and wife	CNX Gas Company LLC	Not less than 1/8	1762/321
				EQT Production Company and Rice Drilling B LLC	CNX Gas Company LLC	Not less than 1/8	1747/537
				Glenn Roger Yost and Nancy Yost, husband and wife	CNX Gas Company LLC	Not less than 1/8	1752/1
				Larry Wayne Yost, a married man dealing in his sole and separate property	CNX Gas Company LLC	Not less than 1/8	1752/50
				Jerry Lee Yost, widower	CNX Gas Company LLC	Not less than 1/8	1752/55
				Mary Marlene Miller a/k/a Mary Marlene Alvarez, widow	CNX Gas Company LLC	Not less than 1/8	1752/71
				Eilene Yvonne Turner a/k/a Eilene Kucik a/k/a Eilene Yvonne Kucera, a married woman, dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1752/76
				Steven Randolph Hartley and Brynn Hartley, husband and wife	CNX Gas Company LLC	Not less than 1/8	1755/626
				Janet M. Shriver, a married woman, dealing in her sole and separate property	CNX Gas Company LLC	Not less than 1/8	1757/71
				Gary Lynn Yost, a widower	CNX Gas Company LLC	Not less than 1/8	1757/82
				Richard A. Tennant, a single man	CNX Gas Company LLC	Not less than 1/8	1757/121
				Christine Elizabeth Fritz and James Fritz, wife and husband	CNX Gas Company LLC	Not less than 1/8	1761/608
				Judith A. Ammons, a widow	CNX Gas Company LLC	Not less than 1/8	1761/835
				Jennifer Claunch Meyers and Robert E. Meyers, wife and husband	CNX Gas Company LLC	Not less than 1/8	1762/753
				Robert Lee Hartley and Judy Hartley, husband and wife	CNX Gas Company LLC	Not less than 1/8	1763/268
				Christopher Claunch	CNX Gas Company LLC	Not less than 1/8	151/344
74	1-18-19	285846000	Richard A. Tennant	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Glenn Roger Yost and Nancy E. Yost Larry Wayne Yost Jerry Lee Yost Mary Marlene Miller Alvarez Eilene Yvonne Turner, a/k/a Eilene Kucik a/k/a Eilene Yvonne Kucera Gary Lynn Yost	CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1747/537 1755/626 1761/608 1762/753 1763/268 1752/1 1752/50 1752/55 1752/71 1752/76 1757/82
				Gene D. Yost and Sara E. Yost Christopher Claunch	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1762/321 151/344
				Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC	LOLA Drilling I, LLC Rice Drilling B, LLC CNX Gas Company LLC	Not less than 1/8 Assignment Assignment	1563/69 133/752 153/774
				Virlan Maxine Tennant Estate, by Janet M. Shriver, acting as Executrix; Richard A. Tennant, a single man; Janet M. Shriver, a married woman dealing in her sole and separate property; and Judith A. Ammons, a single woman	Northeast Natural Energy LLC	Fee	1558/737
				Northeast Natural Energy LLC	CNX Gas Company LLC	Agreement	1773/106
76	1-18-18	285848000	Thomas Oetjens Marshall Sr.	EQT Production Company and Rice Drilling B LLC Steven Randolph Hartley and Brynn Hartley Christine Elizabeth Fritz and James Fritz Jennifer Claunch Meyers and Robert E. Meyers Robert Lee Hartley and Judy Hartley Thomas Oetjens Marshall, widower Christopher Claunch	CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1747/537 1755/626 1761/608 1762/753 1763/268 1757/65 151/344
				Marjorie J. Kroh LOLA Drilling I, LLC Rice Drilling B, LLC	LOLA Drilling I, LLC Rice Drilling B, LLC CNX Gas Company LLC	Not less than 1/8 Assignment Assignment	1563/69 133/752 153/774
78	1-18-14 1-18-14.1 THROUGH 1-18-14.5	285831000	Harry Bradley, et ux, et al	Bounty Minerals II Acquisitions, LLC	Lola Drilling I, LLC	Not less than 1/8	1585/467
				Lola Drilling I, LLC Rice Drilling B LLC	Rice Drilling B LLC CNX Gas Company LLC	Assignment Assignment	133/752 153/744
				Virginia L. Law	CNX Gas Company LLC	Not less than 1/8	1746/549
				Janet Watkins	CNX Gas Company LLC	Not less than 1/8	1748/449
				Juanita Ely	CNX Gas Company LLC	Not less than 1/8	1748/444
				Rozie Marie Shape	CNX Gas Company LLC	Not less than 1/8	1748/454
				Walter M. Stewart II	CNX Gas Company LLC	Not less than 1/8	1754/263
				Vivian Petoskey	CNX Gas Company LLC	Not less than 1/8	1754/275
				Benjamin Wirick	CNX Gas Company LLC	Not less than 1/8	1754/253
				Kelly J. Kelly	CNX Gas Company LLC	Not less than 1/8	1749/383
				Ruth Ann Tallman	CNX Gas Company LLC	Not less than 1/8	1749/362
				B. Eleanor Crowley	CNX Gas Company LLC	Not less than 1/8	1748/330
				Betty Pitcock	CNX Gas Company LLC	Not less than 1/8	1748/298
				Darlene Newsom	CNX Gas Company LLC	Not less than 1/8	1749/296
				Diane R. Kalafsky	CNX Gas Company LLC	Not less than 1/8	1749/388
				William H. Mace	CNX Gas Company LLC	Not less than 1/8	1755/653
				Daniel R. Crowley	CNX Gas Company LLC	Not less than 1/8	1748/325
				Charlene Cragnell	CNX Gas Company LLC	Not less than 1/8	1749/291
				Harold P. Stewart, Jr.	CNX Gas Company LLC	Not less than 1/8	1749/352
				Diane Lynn Stewart	CNX Gas Company LLC	Not less than 1/8	1755/660
				Louise A. Stewart England	CNX Gas Company LLC	Not less than 1/8	1751/651
				Byron E. Stewart, II	CNX Gas Company LLC	Not less than 1/8	1749/357
				John A. Eddy	CNX Gas Company LLC	Not less than 1/8	1752/414
				Paula Kalafsky	CNX Gas Company LLC	Not less than 1/8	1751/623
				Laraine Metheny	CNX Gas Company LLC	Not less than 1/8	1755/617
				Thomas William Crowley	CNX Gas Company LLC	Not less than 1/8	1757/87
				Brentyn M. Mace	CNX Gas Company LLC	Not less than 1/8	1757/77

Greg W. Mace	CNX Gas Company LLC	Not less than 1/8	1757/132
Janet Board	CNX Gas Company LLC	Not less than 1/8	1757/104
Martha Menzies and Harold D. Rogers, as trustees of the Martha Menzies Trust	CNX Gas Company LLC	Not less than 1/8	1762/764
Morris Mountaineer Oil and Gas LLC	CNX Gas Company LLC	Not less than 1/8	1757/235
Sidney Austin Smith Trust LLC	CNX Gas Company LLC	Not less than 1/8	1757/250
Thomas E. Ross	CNX Gas Company LLC	Not less than 1/8	1747/389
Richard M. Ross	CNX Gas Company LLC	Not less than 1/8	1746/576
Debra L. Mason	CNX Gas Company LLC	Not less than 1/8	1748/421
Carol Curtis	CNX Gas Company LLC	Not less than 1/8	1748/319
Dwight E. Jackson	CNX Gas Company LLC	Not less than 1/8	1748/427
Judy Wirick	CNX Gas Company LLC	Not less than 1/8	1748/433
Dwight Herd	CNX Gas Company LLC	Not less than 1/8	1748/415
Michael Delbert Herd	CNX Gas Company LLC	Not less than 1/8	1749/367
Christine Ann Boyd	CNX Gas Company LLC	Not less than 1/8	1749/393
Charles Patrick Herd	CNX Gas Company LLC	Not less than 1/8	1752/408
Bruce A. Davie, Jr.	CNX Gas Company LLC	Not less than 1/8	1755/606
Polly Fryman	CNX Gas Company LLC	Fee	1752/35
Robert W. Davie	CNX Gas Company LLC	Not less than 1/8	1757/92
Jerry L. Hoffman	CNX Gas Company LLC	Not less than 1/8	1762/332
Cheryl J. Bosse	CNX Gas Company LLC	Fee	1764/382
Rodney A. Bosse	CNX Gas Company LLC	Fee	1762/778
JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	CNX Gas Company LLC	Not less than 1/8	1779/525
Robert Lee Mace III	CNX Gas Company LLC	Not less than 1/8	151/342
Jeffrey R. Mace	CNX Gas Company LLC	Not less than 1/8	151/342
Kyle J. Davie	CNX Gas Company LLC	Not less than 1/8	151/342
Summer G. Johanson	CNX Gas Company LLC	Not less than 1/8	151/342
Jessica L. Baum, a/k/a Jessica L. Gerwells	CNX Gas Company LLC	Not less than 1/8	151/342
James Eric Davie	CNX Gas Company LLC	Not less than 1/8	151/342
Susan Kimbrell	CNX Gas Company LLC	Not less than 1/8	151/342
Richard A. Stewart	CNX Gas Company LLC	Not less than 1/8	151/342
Andrew T. Stewart	CNX Gas Company LLC	Not less than 1/8	151/342
Joyce Lydic	CNX Gas Company LLC	Not less than 1/8	151/342
Thomas L. Hoffman	CNX Gas Company LLC	Not less than 1/8	151/342
Loli Espenshade	CNX Gas Company LLC	Not less than 1/8	151/342
Judith Gashie	CNX Gas Company LLC	Not less than 1/8	151/342
Margo Urbany Joyce	CNX Gas Company LLC	Not less than 1/8	151/342
Hyla N. Urbany	CNX Gas Company LLC	Not less than 1/8	151/342
Toledo Animal Shelter	CNX Gas Company LLC	Not less than 1/8	151/342
Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross	XTO Energy Inc.	Fee	1442/835
XTO Energy Inc.	CNX Gas Company LLC	Agreement	1773/164



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

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

June 15, 2022

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

**RE: Road Letter – WDTN19 Well Pad Drilling Applications**

To Whom It May Concern:

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

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

Sincerely,

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

Sarah Weigand

RECEIVED  
Office of Oil and Gas

AUG 04 2022

WV Department of  
Environmental Protection

09/09/2022



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

**4706101910**

Date of Notice Certification: 8/3/2022

API No. 47- \_\_\_\_\_  
Operator's Well No. WDTN19DHSM  
Well Pad Name: WDTN19

**Notice has been given:**

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

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>556988.907</u>
County: <u>Monongalia</u>	Northing: <u>4393937.988</u>
District: <u>Batelle</u>	Public Road Access: <u>Wise Run Road/CR 6</u>
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>CNX</u>
Watershed: <u>Dunkard Creek</u>	

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

<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><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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Office of Oil and Gas  
AUG 04 2022  
WV Department of  
Environmental Protection

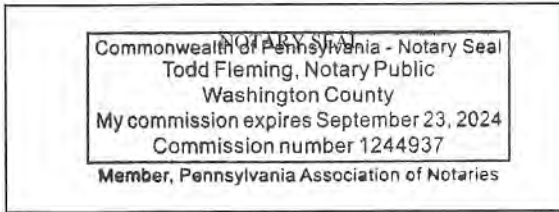
**Required Attachments:**

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

**Certification of Notice is hereby given:**

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

Well Operator:	CNX Gas Company LLC	Address:	1000 CONSOL Energy Drive
By:	Sarah Weigand <u>Sarah Weigand</u>		Canonsburg, PA 15317
Its:	Manager Permitting Services	Facsimile:	
Telephone:	724-485-3244	Email:	SarahWeigand@cnx.com



Subscribed and sworn before me this 3 day of August 2022  
Todd Fleming Notary Public  
 My Commission Expires September 23, 2024

**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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AUG 04 2022

WV Department of  
Environmental Protection

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: 8/3/22 Date Permit Application Filed: 8/4/22

Notice of:

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

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

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

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

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

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

COAL OWNER OR LESSEE  
Name: see attached  
Address:

COAL OPERATOR  
Name:  
Address:

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

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

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

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name:  
Address:

\*Please attach additional forms if necessary

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Office of Oil and Gas  
AUG 04 2022  
09/09/2022  
Environmental Protection

**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

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WW-6A  
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4706101910  
API NO. 47- -  
OPERATOR WELL NO. WDTN19DHSM  
Well Pad Name: WDTN19

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

#### **Water Well Testing:**

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

#### **Water Testing Laboratories:**

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

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

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

#### **Written Comment:**

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

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

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

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

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

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

**Comment Requirements**

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

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

**Permit Denial or Condition**

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

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

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

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

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Environmental Protection

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WW-6A  
(8-13)

API NO. 4706101910  
OPERATOR WELL NO. WDTN19DHSM  
Well Pad Name: WDTN19

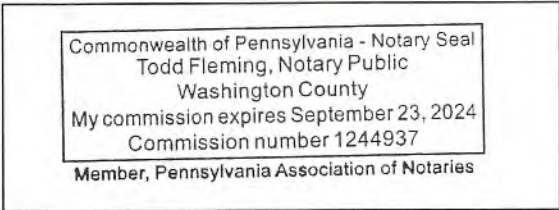
**Notice is hereby given by:**

Well Operator: Sarah Weigand  
Telephone: 724-485-3244  
Email: SarahWeigand@cnx.com *Sarah Weigand*

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 3 day of August, 2022.

Todd Fleming Notary Public

My Commission Expires September 23, 2024

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<b>WDTN19DHSM 6A Notices</b>	
<b>Surface Owner</b>	<b>Address</b>
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
<b>Surface Owner (Road and/or Other Disturbance)</b>	<b>Address</b>
Barbara S Shriver	70 Wise Run Road Wana, WV 26590
<b>PGH Coal Seam</b>	
<b>Coal Owner</b>	<b>Address</b>
CONSOL RCPC LLC	Attn: Casey Saunders 275 Technology Drive Suite 101 Canonsburg, PA 15317-9565
<b>All Other Coal Seams</b>	
<b>Coal Owner</b>	<b>Address</b>
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Kathryn W. Becker	819 NE 128th Street Seattle, WA 98125
Deborah W. Manning	P.O. Box 895 Plymouth, CA 95669
Elizabeth W. March	P.O. Box 82 Bally, PA 19503
George Cummins Jr.	31 Atisvgi Court Brevard, NC 28712
<b>Water Wells w/in 1500'</b>	
Barbara S Shriver	70 Wise Run Road Wana, WV 26590
Troy David Beckner & Janet Lee Smith (Life- Mary Jane Beckner)	11 Mona Lane Wana, WV 26590
Rodney Henry	200 East St. Carmichaels, PA 15320



**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:** 8/3/22      **Date Permit Application Filed:** 8/4/22

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

- HAND DELIVERY       CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

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

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

**Notice is hereby given:**

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

State:	<u>WEST VIRGINIA</u>	UTM NAD 83	Easting:	<u>556988.907</u> ✓
County:	<u>MONONGALIA</u> ✓		Northing:	<u>4393937.988</u> ✓
District:	<u>BATELLE</u> ✓	Public Road Access:	<u>WISE RUN ROAD/ CR6</u>	
Quadrangle:	<u>WADESTOWN</u> ✓	Generally used farm name:	<u>CNX</u>	
Watershed:	<u>DUNKARD CREEK</u>			

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 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: 724-485-3244  
Email: SarahWeigand@cnx.com  
Facsimile: \_\_\_\_\_

Authorized Representative: Sarah Weigand *Sarah Weigand*  
Address: 1000 CONSOL Energy Drive **RECEIVED**  
Canonsburg, PA 15317 Office of Oil and Gas  
Telephone: 724-485-3244  
Email: SarahWeigand@cnx.com **AUG 04 2022**  
Facsimile: \_\_\_\_\_

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).

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<b>WDTN19DHSM 6A4 Notices</b>	
<b>Surface Owner</b>	<b>Address</b>
✓ CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317

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WW-6A5  
(1/12)

Operator Well No. WDTN19DHSM

**4706101910**

**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:** 8/3/22      **Date Permit Application Filed:** 8/1/22

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

- CERTIFIED MAIL                                       HAND  
RETURN RECEIPT REQUESTED                                      DELIVERY

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

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

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

**Notice is hereby given:**

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

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>556988.907</u>
County: <u>Monongalia</u>		Northing: <u>4393937.988</u>
District: <u>Batelle</u>	Public Road Access: <u>Wise Run Road/CR 6</u>	
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>CNX</u>	
Watershed: <u>Dunkard Creek</u>		

**This Notice Shall Include:**

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

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

**Oil and Gas Privacy Notice:**

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

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**09/09/2022**

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<b>WDTN19DHSM 6A5 Notices</b>	
<b>Surface Owner</b>	<b>Address</b>
ENX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317

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Environmental Protection  
09/09/2022

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(1-12)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. WDTN19DHSM  
Well Pad Name: WDTN19

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

**Instructions to Persons Named on Page WW-6A**

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

**Comment and Waiver Provisions**

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

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

State:	<u>WEST VIRGINIA</u>	UTM NAD 83	Eastings:	<u>556988.907</u>
County:	<u>MONONGALIA</u>		Northing:	<u>4393937.988</u>
District:	<u>BATELLE</u>	Public Road Access:	<u>Wise Run Road/CR 6</u>	
Quadrangle:	<u>WADESTOWN</u>	Generally used farm name:	<u>CNX</u>	
Watershed:	<u>DUNKARD CREEK</u>			

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

*Please check the box that applies <input checked="" type="checkbox"/> SURFACE OWNER <input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance) <input type="checkbox"/> SURFACE OWNER (Impoundments/Pits) <input type="checkbox"/> COAL OWNER OR LESSEE <input type="checkbox"/> COAL OPERATOR <input type="checkbox"/> WATER PURVEYOR <input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD	<b>FOR EXECUTION BY A NATURAL PERSON</b> Signature: _____ Print Name: _____ Date: _____
	<b>FOR EXECUTION BY A CORPORATION, ETC.</b> Company: <u>CNX GAS COMPANY LLC</u> By: <u>Sarah Weigand</u> Its: <u>Permitting Services Manager</u>
	RECEIVED Office of Oil and Gas Signature: <u>Sarah Weigand</u> Date: <u>8/2/2022</u> AUG 04 2022

**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).

09/09/2022



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

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

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

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

April 5, 2022

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

Subject: DOH Permit for the WDTN19 Pad, Monongalia County  
 WDTN19DHSM Well Site

Dear Mr. Martin,

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

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

Very Truly Yours,

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

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

RECEIVED  
 Office of Oil and Gas

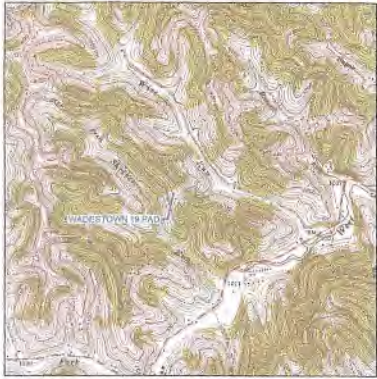
AUG 04 2022

WV Department of  
 Environmental Protection

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

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

4706101910



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



# CNX RESOURCES CORPORATION

## WADESTOWN 19 WELL PAD

### AS-BUILT



LOCATION MAP  
SCALE: 1"=2000'



#### ENTRANCE LOCATION

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

BATTELLE DISTRICT,  
MONONGALIA COUNTY, WEST VIRGINIA  
DATE: DECEMBER 11, 2019



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



Know what's below.  
Call before you dig.

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

SIGNATURE: *[Signature]* DATE: 12/11/2019



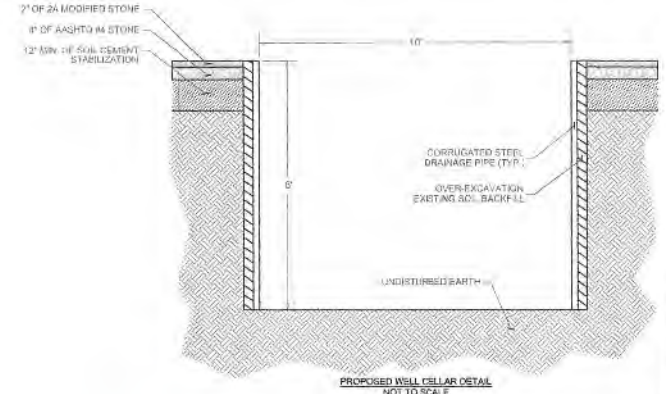
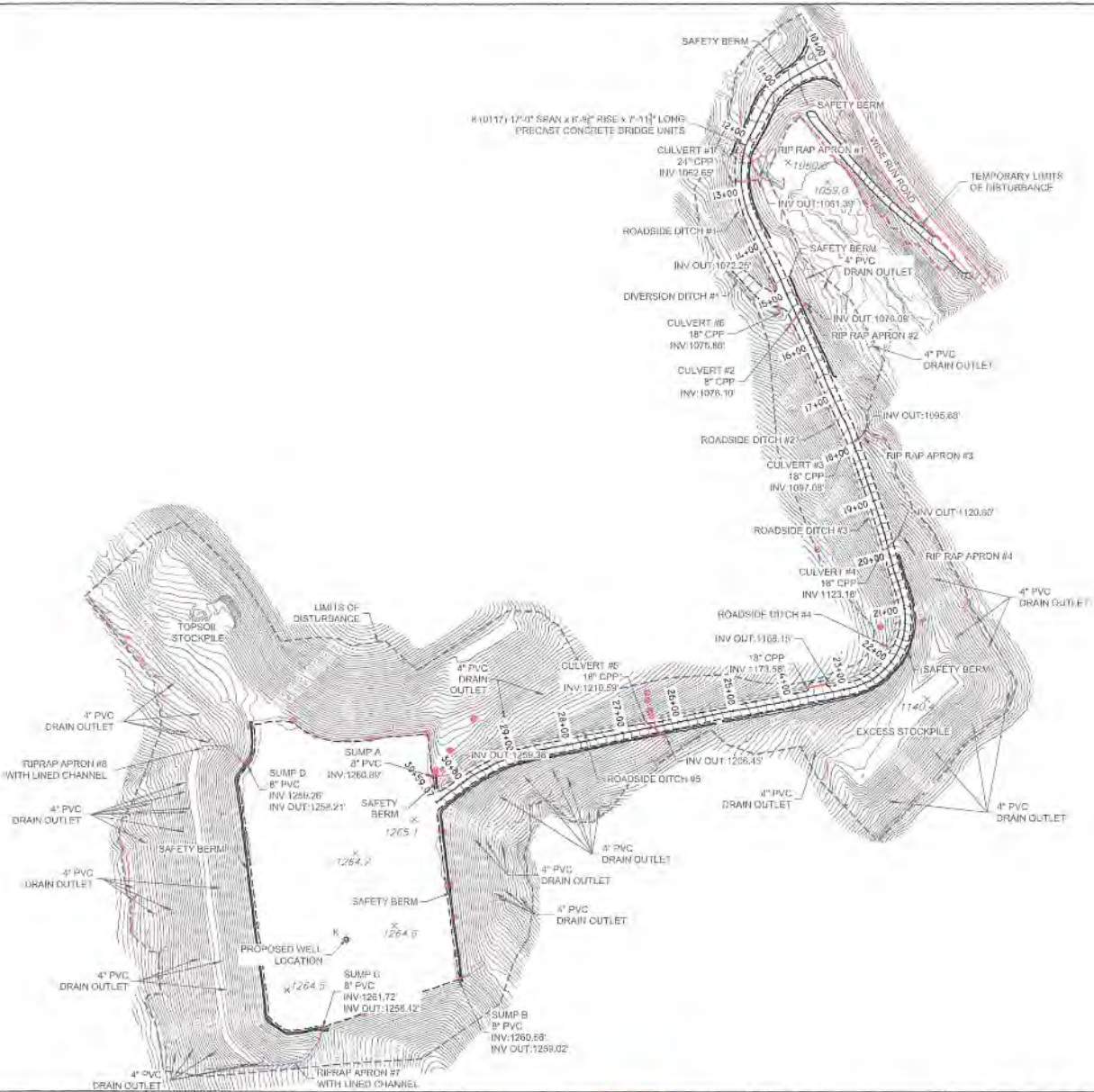
NOTE: DRAWING WAS CREATED ON 22X34 PAPER. 11x17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

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	SCALE:	DATE:	DATE:	DATE:			PROJECT NO.		



CHART OF PROPOSED WELL SPOTS AND SITE LOCATION

POINT	API #	NAD83 WY NORTH		UTM-NAD83-7 (METERS)	
		EASTING	NORTHING	EASTING	NORTHING
WDTN# 1	17-08-0010-00-00	15 24 76 427	63 20 36 847	159 594 870	58 992 924
ENTRANCE		15 24 52 057	63 17 54 257	158 610 950	58 721 254



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

**LEGEND**

- - - - - EDGE OF GRAVEL
- - - - - DITCH
- - - - - DESIGN LOD
- - - - - TREELINE
- - - - - SILT SOCK
- - - - - COMPOSITE FILTER SOCK
- - POST
- - UTILITY POLE
- ▬ - RIP RAP
- ▬ - BERM



NOTE: DRAWING WAS CREATED ON 22x34 PAPER. 11x17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

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NO.	REV.	DATE	DESCRIPTION



SCALE: 1" = 100'	DATE: 03/20/2022
DRAWN BY: [Name]	DATE: 03/20/2022
CHECKED BY: [Name]	DATE: 03/20/2022
DESIGNED BY: [Name]	DATE: 03/20/2022
SURVEY DATE: 05/19/19	
SHEET NO. 1	
FIELD BOOK NO.	



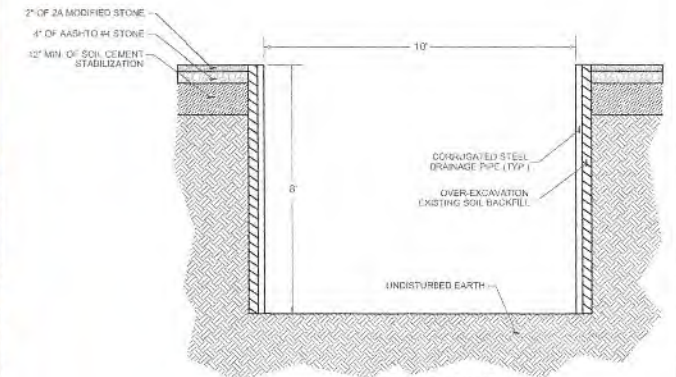
PHASE NO.	
CONTRACT NO.	
PROJECT NO.	050-10648

CNX RESOURCES CORPORATION  
WADESTOWN 19 SITE  
PAD AS-BUILT  
MONONGALIA COUNTY, WEST VIRGINIA  
PLAN VIEW

SHEET NO.  
**2**

CHART OF PROPOSED WELL SPOTS AND SITE LOCATION

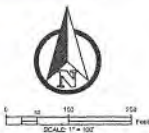
POINT	AP #	NAD83 WY NORTH	LATITUDE	LONGITUDE	UTM-NAD83-07 (METERS)	
					NORTHING	EASTING
WELTNS	17-061-0165-28-03	32° 21' 26.422"	82° 29' 56.987"	4293144.872'	576894.294'	
ENTRANCE		32° 41' 10.962"	82° 29' 56.102"	4294449.952'	107247.736'	



PROPOSED WELL CELLAR DETAIL  
NOT TO SCALE

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

- LEGEND**
- - - EDGE OF GRAVEL
  - - - DITCH
  - - - DESIGN LOD
  - - - TREELINE
  - - - SILT SOCK
  - - - COMPOSITE FILTER SOCK
  - - POST
  - ⊕ - UTILITY POLE
  - ▭ - RIP RAP
  - ▭ - BERM



NOTE: DRAWING WAS CREATED ON 22X36 PAPER. 11X17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.



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NO.	BY	DATE	DESCRIPTION



SCALE: 1"=100'	DRAWN BY: GATE: 02/16/17
CHECKED BY: GATE: 12/16/16	DATE: 12/16/16
DESIGNED BY: GATE: 12/16/16	DATE: 12/16/16
SURVEY DATE: 10/16/16	
DATE BY: GATE: 12/16/16	
FIELD BOOK NO:	

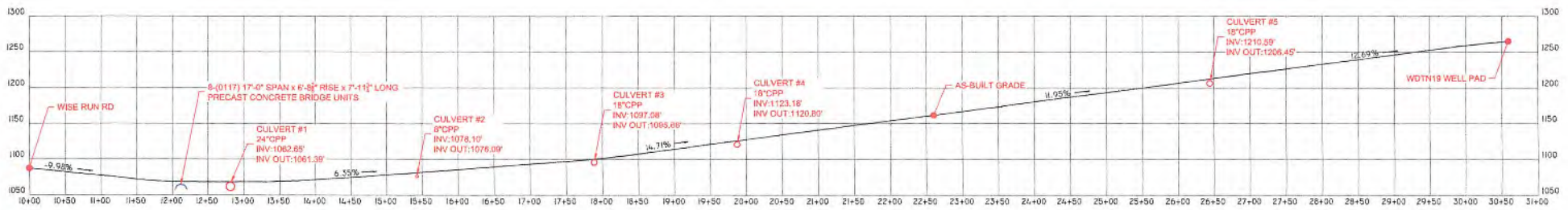


PHONE NO:	
CONTRACT NO:	
PROJECT NO:	050-10648

CNX RESOURCES CORPORATION  
WADESTOWN 19 SITE  
PAD AS-BUILT  
MONONGALIA COUNTY, WEST VIRGINIA  
PLAN VIEW WITH ORTHO

SHEET NO:  
**3**

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



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

NOTE: DRAWING WAS CREATED ON 22X34 PAPER. 11X17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

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NO.	BY	DATE	DESCRIPTION



SCALE: AS SHOWN	DATE: 05/18/19
DRAWN BY: JMC	CHECKED BY: JMC
DESIGNED BY: JMC	DATE: 05/18/19
SUPPLY DATE: 05/18/19	DATE: 05/18/19
ISSUED BY: JMC	
FIELD BOOK NO.:	



PHASE NO.	
CONTRACT NO.	
PROJECT NO.	

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

SHEET NO.  
**4**