

west virginia department of environmental protection

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

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

Monday, August 29, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for WDTN19RHSM 47-061-01905-00-00

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: WDTN19RHSM Farm Name: CNX GAS COMPANY LLC U.S. WELL NUMBER: 47-061-01905-00-00 Horizontal 6A New Drill Date Issued: 8/29/2022

Promoting a healthy environment.

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.

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PERMIT CONDITIONS

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

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API NO. 47-____-OPERATOR WELL NO. WDTN19RHSM

Well Pad Name: WDTN19

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

1) Well Operator:	CNX Gas C	ompany LLC	494458046	Monongalia	Batelle	Wadestown
-) ······			Operator ID	County	District	Quadrangle
2) Operator's Well	Number: WE	DTN19RHSM	Well Pac	d Name: WDT	N19	
3) Farm Name/Sur	face Owner:	CNX Gas Comp	any LLC Public Roa	ad Access: Wis	e Run Roa	ad/CR6
4) Elevation, current	nt ground:		Elevation, proposed			30
	Gas <u>×</u> her	Oil _	Und	erground Storag	ge	Office of Oil and Gas
	If Gas Sha	llow <u>×</u> izontal ×	Deep			WV Department of Environmental Protection
6) Existing Pad: Y			<u> </u>			
7) Proposed Target	t Formation(s)), Depth(s), Ant	ticipated Thickness a 7930'TVD, 50' thick,			e ~4600 psi
8) Proposed Total	Vertical Deptl	h: 7913'TVD	at TD, depending c	on formation di	0	
9) Formation at To			us Shale (will not p			
10) Proposed Total	l Measured De	epth: 24,657	' MD at TD			
11) Proposed Horiz	zontal Leg Le	ngth: 16,269				
12) Approximate F	Fresh Water St	trata Depths:	125', 584', 845'	, 933', 938'		
13) Method to Det	ermine Fresh	Water Depths:	Offset well Inform	nation		
14) Approximate S	Saltwater Dept	ths: 2,419', 2,	509', 3,139'			
15) Approximate (Coal Seam De	pths: 708'-71	1', 966'-972', 1029-	1031, 1054'-10	59', 1060	'-1068'
16) Approximate I	Depth to Possi	ble Void (coal	mine, karst, other):	None Anticipa	ted	
17) Does Proposed directly overlying				No	x	
(a) If Yes, provid	le Mine Info:	Name: see	e mine map			
-		Depth:				
		Seam:				
		Owner:				

WW-6B (04/15)

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OPERATOR WELL NO. WDTN19RHSM

Well Pad Name: WDTN19

WW-6B

(04/15)

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	Weight per ft. (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (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	24,657	24,628	4,735 / TOC @ 1,550 '
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	NA						

Kenneth Greynolds

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

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By COG-	

PACKERS

Kind:	N/A		1
Sizes:			
Depths Set:			

API NO. 47-____-OPERATOR WELL NO. <u>WDTN19RHSM</u> Well Pad Name: <u>WDTN19</u>

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:

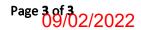
Fresh water string: centralize shoe joint and every other joint to surface - utilize bow spring centralizers. Intermediate string: centralize shoe joint and every 3rd joint to surface - utilize bow spring centralizers. Production string: centralize every joint from shoe to TOC - utilize single piece/rigid 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% CaCl2 and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl2 and 1/4 pps cello-flake/LCM. Production string: Class A or H cement or Class H:Poz blend with dry blend and/or liquid additives including retarder, suspension agent, gas block, defoamer, fluid loss control, extender, dispersant, anti-settling agent. Actual cement blends may vary slightly depending upon cementing service company utilized.

25) Proposed borehole conditioning procedures:

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



WDTN19 Cement Additives

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

								WDTN-19R-HSM Marcellus Sh	WELL PLAN // (Marcellus HZ) ale Horizontal // County, WV	
					WDT	N-19R-F	ISM SHL	N 43568	34.6508, E 1764905	.8066 (NAD27)
Ground Elevation	1	264' GL E	levation		WD	N-19R-	HSM LP	N 43572	28.0447, E 1765880	.4338 (NAD27)
Azimuth		320	0		WDT	N-19R-H	ISM BHL	N 422	2695.368, E 177557	7.8 (NAD27)
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	Tops (MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
	1.	1		MD	MD	10.00				
	1	1000	Soil and Rock	17	1 1		in the second second	1		Stabilize surface fill/soil
	24"	20" L/S	Conductor	129	129	AIR	To Surface	N/A	N/A	
			DFGW	1	208	1	15.8 ppg Class A	Centralize every 3rd		Set through fresh water zone
	1 mars	13-3/8" 54.5#	Waynesburg Coal		708	AIR /	+ 1% to 3% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	joint from shoe to surface	Ensure the hole is clean at section TD	Set through coal zones Cemented to surface
	17-1/2"	J-55 BTC	Pittsburgh Coal (Solid)		1,060	FW Mist				
			FW/Coal Casing	1,135	1,135			Bow spring centralizers	1	13-3/8" shoe NOT to be set deeper than ground level
			Upper Freeport Coal		1,644		0			
			Lower Freeport Coal	1	1,685		1. Sec. 1. Sec. 1.	1.12		1. S. T. C.
			Middle Kittanning Coal	1	1,808		15.8 ppg Class A	Centralize every 3rd		Set through potential salt wate
	1.00	9-5/8" 36,0#	Big Lime		2,419	AIR /	+ 0% to 2% CaCl2 + 1/4 pps Flake	joint from shoe to surface Bow spring centralizers	Soap the hole as needed	zones Cemented to surface
	12-1/4"	J-55 LTC	Keener Sand	1	2,479) Soap	20% OH Excess		and ensure the hole is clean at section TD	Casing to be set ~200'-250' below the Big Injun base
			Big Injun Sand	1	2,509					
			Price Formation	1.2.2	2,690					
			Intermediate Casing	2,960	2,960	·				
			50 Foot		3,079					
			Gordon		3,139		1			
	8-3/4" Tangent		Fifth		3,304	AIR	15.0 ppg Class A		100.122.0.420.0	
	rangent		Bayard		3,351	21 200	50:50 Poz with additives (retarder,		Once at TD, circulate at max flowrate with max	Note: For all strings, actual
			Elks		5,289		suspension agent, gas	Centralize every joint	rotation until shakers clean-	centralizer placements may b changed due to hole condition
		5-1/2" 20.0#	Rhinestreet		7,406		block, defoamer, fluid loss, extender, etc.)	from shoe to KOP - TOC	up (typically requires multiple bottoms-up)	changed due to hole condition
		P-110 VAR	Cashaqua	1	7,672		10% OH Evenes	Cinale piece/rigid how	Once on bottom with	Note: For all strings, actual cement blends may vary sligh
	19	1.1.1.1	Burkett		7,788		10% OH Excess Yield = 1.07	Single-piece/rigid bow centralizers	Once on bottom with casing, circulate a minimum	
	8-1/2" Curve		Tully		7,815	12.0-12.5	TOC @ >= 2001 above		of one hole volume prior to	utilized
	& Lateral		Hamilton		7,851	ppg SOBM	TOC @ >= 200' above 9-5/8" shoe		pumping cement	
		1	Marcellus		7,880	DA				
	1.	And and a second	Production Casing	24,657	7,913					
	@ +/- 7913' TVD		Production Casing 8-3/4" x 8-1/2"		7,913 mented L			+/- 16	270' Lateral	TD @ +/- 24657' TVE

WW-9 (4/16)

API Number 47 -

Operator's Well No. WDTN19RHSM

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

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Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical air from spudbulfsee to carve kes-oft 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 March Weigand	totary Se blic 00
Company Official Title Manager Permitting Services	/Vania - N Notary Pu County Puune 4
Subscribed and sworn before me this 26^{th} day of \overline{July}	ealth of Pendis Washington mmission Expir
My commission expires 6/4/2026	ary Public

A	В	C	D	E	F	G	Н
Type of Waste	Disposal Company Name	Disposal Location	Disposal Location C	oo Well (D / Name	Permit # (if applicable)	Accepted Waste Streams	Disposel Company Contact Inform
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 "Chiu" TENORM" - requires Radium 226/2228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 piccouries per gram above the natural background level.	Landfill Office: (740) 543-4389 Dave Brown 412-848-1828, dbrown @ApexLF.com
2 Non-Haz Disosal	(Apex Environmental)	Amsterdam, Onio 43903	N/A	Lenam	WMGR GP No. 1235W001	processies per gran above the national analyticana rever	Rob Bealko
		2326 McClellandtown Road,	39,853056,	A succe for a before a balance	WQM Industrial Waste Permit No.:	Brine (Produced Water) and oily water from compressor stations.	304-291-0383 Office 304-282-8814 Cell rob.bealko@nuverra.com
3 Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	Masontown, PA 15461	40.105200, -	Appalachian Water	2608201 A-2	Drine (Fround-du water) and ony water non-comprision second	Office: 740-609-3800 Jack Bernent CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Ph:(585) 704-2744
4 Brine Injection - Treatment	Austin Master Services	OH 43935	80.711630	N/A	N/A	Brine (Produced Water)	Fax: 484 624-5506*
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, (NORK/JTENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing, analysis/lab.	Office: 740-609-3800 Jack Bernent CEO Austin Master Services LLC 355 Circle of Progress Pottstown PA, 19464 Pht:(585) 704-2744 Fax: 484 624-5506
		78405 Cadiz-New Athens Rd.	40.233830, -			Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downbiending, transport/loading to rail, tank cleaning,	Dave Brown 412-848-1828 M Winsap 330-692-0423;
6 RW & TENORM	Belmont Solids Control	Cadiz, OH 43907	81.003300	N/A	N/A	radiological sampling/testing analysis/lab.	dbrown@ApexLF.com
	Cambrian Well Services - Kemble	Zanesville, Muskingum	39.974954,	Kemble 1-D			Bob Orr 740-796-6495 614-648-8898
7 Brine Injection - Treatment	(Orr Petroleum Corporation)	County, Perry Township, OH		(SWIW#2B)	34-119-2-8780	Brine (Produced Water)	orrpetro@gmail.com
B Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.087450, - 82.047918 37.222201, -	BPC01	VAS2D960BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
9 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	81.959987	N26	VAS2D930BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
			37.184198, -			CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
10 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82.082549 37.120547	07	VAS2D926BBUC	CNX Owned OIC SWIWS: Frac water, brine, produced water	Contact ops of oups
11 Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	81.961222	AW114A	VAS2D970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
			37.147934, -	- Constant	and the second second second		
12 Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82.075320	Ball Well Order No. 2015-452;	VAS52D921BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LL
13 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.426278,- 81.502379	Vocational School No. 2 Well; SWIW No. 20	API # 34-167-2-9543-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 304.588.0936 Wes Mossor
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)	General Manager wesm@deeprockds.com DeepRock Disposal Solutions LL Office: 740.371.5078 ext. 206 304.588.0936
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		Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LI Office: 740.371.5078 ext. 206 304.588.0936
16 Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39.402842,- 81.476913	Order No. 2019-79; American Growers No. 1 Well, SWIW No. 26	API # 34-167-2-9766-00-00	Brine (Produced Water)	Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions L Office: 740.371.5078 ext. 206 304.588.0936

A	A	C	D	E	F	G	н
		41540 National Road				Non-radioactive material, low level radioactive material (NORN/FXRORM) material handling, storage, downblending, transport/loading to rail; tank cleaning, radiological sampling/testing analysis/lab. Non-radiological radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/lab. Liquid/semi-biolids treatment and	Orin David Orin.david@trooclean.com
17 RW & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	Belmont, OH 43718	40.0687, -81.04963	N/A	N/A	separation for waste disposal.	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: 412.289.0059 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		Class II injection fluids that are in connection with conventional oil or gas production and may be commingled with waste waters from gas plants unless those waters are classified as hazardous wastes at the time of injection.	Zachery Reed zacheryr4@yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323
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
		240 Sinter Court,	41.113260, -			Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning,	Office: (330) 270-9900 Larry Chamberlain 330-398-5919
23 RW & TENORM	Ground Tech LLC	Youngstown, OH 44510	80.674500	N/A	N/A	radiological sampling/testing analysis/lab.	Ichamberlain@lwc-inc.com Ashley Cromley 570-394-4450
24 Brine Injection - Treatment	Hydro Recovery	572 Route 18 Burgettstown, PA 15021	40.422874, - 80.426125	Burgettstown Facility	WMGR123SW019	Oil and Gas Fluids with minimal oil and solids present Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste	Ashley.cromley@hydrorecoveryip.co m
25 Non-Haz Disosal	Mascaro & Sons- Wetzel Co LF	1521 Wetzel County Landfill Rd. New Martinsville, WV 26155	N/A	Wetzel County	N/A	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, Ohi 43725 John Twiddy
27 Non-Haz Disposal	MXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210				Spencer to complete	johnt@mxiinc.com 276-628-6636 ext. 202; 276-608-000 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 Oily & Oily Water Treat - Recycle	Quale	515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A	Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.	330-264-8080 (O) jslater@guala.us.com
		8100 S State Line Rd.		Carbon-Limestone		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & DemoRitor 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 baccept TENORM waste with combined concentration less than 5	Jack Palermo - jpalermo@republicservices.com, 33
31 Non-Haz Disosal	Republic Services - Carbon-Limestone**	Lowellville, OH 44436	N/A	Landfill	N/A	picocuries per gram above the natural background level.	536-7575
32 Non-Haz Disosal	Republic Services - Imperial (Alled Waste of PA)	11 Boggs Rd, Imperial, PA	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, 33 536-7575
as Inducting Nicorgi	International Annual	15126 North Fork Short Creek Road		and a second		Gas Specific Waste Streams; Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soli (Including Petroleum), Construction & Demolition Waste,	Jack Palermo - jpalermo@republicservices.com, 33
	Republic Services - Short Creek	Wheeling, WV 26003	N/A	Short Creek Landfill	and an and a second sec	Industrial Waste, Sludge , Process Waste, Municipal Solid Waste	536-7575

-	A	b		L L				Matt Kicinski
			1119 Old Route 119 South	40.215555, -				814-574-9701
1 1	Brine Injection - Treatment	Reserved Environmental Services (RES)	Mt. Pleasant, PA 15666	79,606388	New Stanton Facility	WMGR123SW005	Oil and Gas Fluids with minimal oil and solids present	mkicinski@reswater.com
T				Constant.				Matt Kicinski 814-574-9701
	deline and the second	an owner har an owner an adverse of the second	506 Lippencott Road	39.945555, -	and a state of the		Oil and Gas Fluids with minimal oil and solids present	mkicinski@reswater.com
4	Brine Injection - Treatment	Reserved Environmental Services (RES)	Waynesburg, PA 15370	80.140833	Waynesburg Facility	WMGR1235W031	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB	Gordon Cooper
			10 Industrial Park Drive				Soll/Debris, Non-Hazardous Wastes, Asbestos Waste,	Gordon.cooper@safety-kleen.com
٠.	fazardous Waste Disposal	Safety Kleen	Wheeling, Wv. 26003	N/A	Wheeling Landfill	N/A	Solidification Services	304-215-2284
ť		and the first of the second seco	in the second provide second sec					1-866-670-9034
							Approved for non-haz water treatment of oil & water mix. Also	Joe Staton: 717-360-7916
			and the second se				offer transportation and solidification services. Capable of other	Office: 301-223-1251 Fax: 301-223-1253
1		a sector and a se	173 Industrial Park Ln., Beech	lane.	in the second se	Law .	types of waste disposal and handling with prior Environmental	jstaton@spiritservices.com
7 6	Dily & Olly Water Treat - Recycle	Spirit Services, Inc.	Bottom, WV 26030	N/A	N/A	N/A	and Supply Chain approval.	Corporate Number: 734-442-2353
								Guy Turturice
								gturturice@valicor.com
				8				304-963-1563
		and the second design of the	515 N. 8th Ave, Huntington,	R.	1.0		Approved for non-haz water treatment of oil & water mix, oil, oil	Steve Atkinson
3 1	Dily & Oily Water Treat - Recycle	Valicor Environmental Services LLC	WV 25201	N/A	N/A	N/A	filters, and antifreeze only.	SAtkinson@valicor.com
				1			Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458
				1			Gas Specific Waste Streams: Onli Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0610,
							Petroleum)Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com
			7916 Chapel St SE		-		Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Tom Farnsworth: C- 330-204-4244,
1	Non-Haz Disosal	Waste Management - American Landfill	Waynesburg, OH 44688	N/A	American Landfill	N/A.	Solidification Services, Municipal Solid Waste	TFarnswo@wm.com
ť							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458
							Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0610,
							Petroleum), Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com Tom Farnsworth: C- 330-204-4244,
		an	200 Rangos Ln, Washington,	N/A	Arden Landfill	N/A	Sludge, Process Waste, Sol/dification Services, Municipal Solid Waste	TFarnswo@wm.com
1	Non-Haz Disosal	Waste Management - Arden Landfill	PA 15301	M/A	Arden Landrill	M/M	TT date	Travis Maryanski
								tmaryanski@wm.com
								(865) 388-7279 Cell
			385 Harr Ln, Blountville, TN				A second second	(205) 652-8137 Tech Service
1	Non-Haz Disposal	Waste Management - Chestnut Ridge	37617		-		Spencer to complete	Customer Service: 1 (856) 909-4458
I							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610,
							Accepted Waste Streams: Contaminated Soil (Including	mthoma15@wm.com
1			1310 Luciusbore Rd;				Petroleum), Construction & Demolition Waste, Industrial Waste,	Tom Farnsworth: C- 330-204-4244,
	Non-Haz Disosal	Waste Management - Evergreen Landfill	Blairsville, PA 15717	N/A	Evergreen Landfill	N/A	Municipal Solid Waste	TFarnswo@wm.com
	101-1102 013030	weste wondgement - Evergreen Landin	and stiller (a so the	1976	are provident and		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458
1						1	Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0510,
			and an and a second				Petroleum), Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com
		and the second se	1500 Hayden Blvd, Elizabeth,			1.11	Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
3 1	Non-Haz Disosal	Waste Management - Kelly Run	PA 15037	N/A	Kelly Run Landfill	N/A	Waste	Customer Service: 1 (866) 909-4458
							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Mark A. Thomas: 412-522-0610,
							Accepted Waste Streams: Contaminated Soll (Including	mthoma15@wm.com
			3510 E Garfield Rd, New		and the second		Petroleum)Construction & Demolition Waste, Industrial Waste,	Tom Farnsworth: C- 330-204-4244,
4 1	Non-Haz Disosal	Waste Management - Mahoning Landfill	Springfield, OH 44443	N/A	Mahoning Landfill	N/A	Non-Friable Asbestos, Process Waste, Municipal Solid Waste	TFarnswo@wm.com
							and the second sec	Customer Service: 1 (866) 909-4458
1							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0610,
							Petroleum)Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com
			1488 Dawson Dr. Bridgeport,				Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Tom Farnsworth: C- 330-204-4244,
s	Non-Haz Disosal	Waste Management - Meadowfill Landfill	WV 26330	N/A	Meadowfill Landfill	N/A	Solidification Services, Municipal Solid Waste	TFarnswo@wm.com
ť				-			RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB	Linda Davie: 716-286-0365
			1550 Balmer Rd	200	Contraction of the second		Soil/Debris, Non-Hazardous Wastes, Asbestos Waste,	or 716-754-8231 or 800-963-4775
	Hazardous Waste Disposal	Waste Management - Model City	Youngstown, NY 14174	N/A	Model City Landfill	N/A	Solidification Services Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	or 800-963-4776 Customer Service: 1 (866) 909-4458
							Gas Specific Waste Streams: Onli Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0610,
							Petroleum)Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com
			510 Dry Run Rd, Parkersburg,		Northwestern		Sludge, Process Waste, Solidification Services, Municipal Solid	Tom Farnsworth: C- 330-204-4244,
7	Non-Haz Disosal	Waste Management - Northwestern Landfill	WV 26104	N/A	Landfill	N/A	Waste	TFarnswo@wm.com
1								Customer Service: 1 (866) 909-4458
							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Mark A. Thomas: 412-522-0610, mthoma15@wm.com
							Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste,	Tom Farnsworth: C- 330-204-4244,
	Non-Haz Disosal	Waste Management - S&S Grading Landfill	4439 Good Hope Pike, Clarksburg, WV 26301	N/A	S&S Grading Landfill	N/A	Sludge , Process Waste, Municipal Solid Waste	TFarnswo@wm.com
	Non-maz Ursosal	wave management - ses grading Landnii	Ciarksburg, WV 20301	11/14	Soca Grading Landfill	13/35		Customer Service: 1 (866) 909-4458
							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Mark A. Thomas: 412-522-0610,
							Accepted Waste Streams: Construction & Demolition Waste,	mthoma15@wm.com
		the second se	3100 Hill Rd, South Park	1.00		and a	Industrial Waste, Sludge, Process Waste, Solidification Services,	Tom Farnsworth: C- 330-204-4244,
2	Non-Haz Disosal	Waste Management - South Hills (Arnoni)	Township, PA 15129	N/A	South Hills Landfill	N/A	Municipal Solid Waste	TFarnswo@wm.com
T							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458
							Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Mark A. Thomas: 412-522-0610,
							Petroleum), Construction & Demolition Waste, Industrial Waste,	mthoma15@wm.com
			6015 Pleasant Valley Rd,	5			Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Tom Farnsworth: C- 330-204-4244,
				1.0.00	the second se		In structure of the second second second	TFarnswo@wm.com
	Non-Haz Disosal	Waste Management - Valley Landfill	Inwin, PA 15642	N/A	Valley Landfill	N/A	Solidification Services, Municipal Solid Waste	IFamswo@wm.com

Form	WW-9
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Operator's Well No. WDTN19RHSM

CNX Gas Company LL	C
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Proposed Revegetation Treatment	nent: Acres Disturbed test Tons/acre or to co		pH <u>6.5</u>	
Fertilizer type <u>10-2</u> Fertilizer amount <u>50</u>	20-20	lbs/acre		
Mulch hay or stra	aw @2	Tons/acre		
		Seed Mixtures		
Te	mporary	Per	manent	
	11 /	Seed Type		lbs/acre
Seed Type	lbs/acre	beed Type		
Seed Type Orchard Grass	25	Orchard Grass	25	
			25 15	

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 Kennold Greynolds DM CH + Konneth Greynolds mail Greynolds Greynold C + 20 O - WDEP OU - Oil and Gas Date: 2022.01.21 06:01.25 -04000	
Comments:			
Title:		Date:	
Field Reviewed?	() Yes	() No	



WDTN19 Pad Frac SOG Review

Tuesday, April 12, 2022

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.

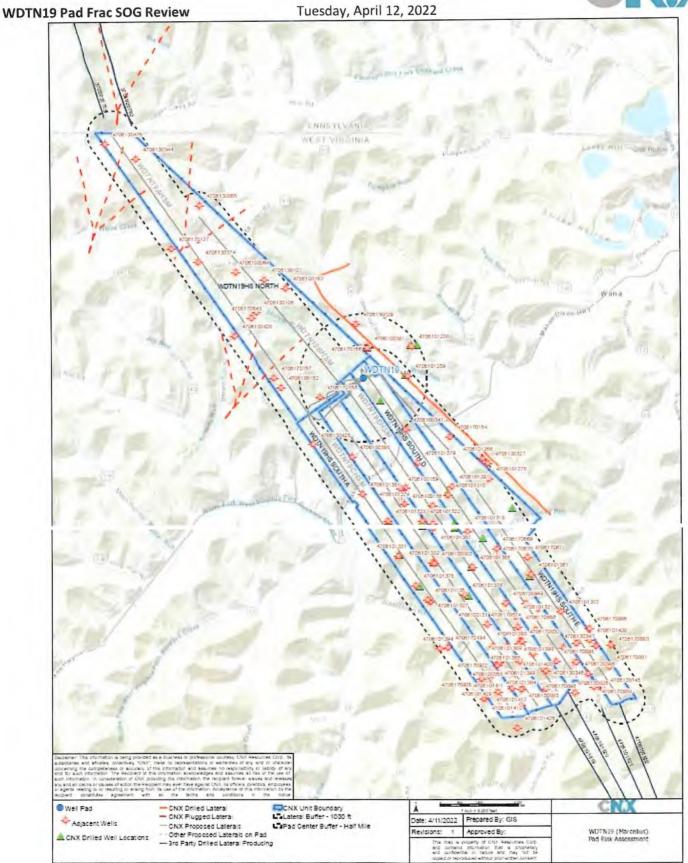
The Marcellus Shale of the Wadestown area is found at an approximate True Vertical Depth (TVD) of 7900'. In the Wadestown area, there were very few wells that have produced from formations deeper than the Bayard Sand (approximately 3500'). Based on our experience with frac communication and shallow wells, 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.

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

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.

Api10 🝸 WellName	* CurrentOperator	CompletionFormatio		* CurrentStatusDa	PermitDa		Comple	1/1/1997	1/1/1997 <null></null>
4706100428 SHRIVER 5114	PILLAR ENERGY LLC	<null></null>	ACTIVE	12/10/1921	<null></null>	<null> 4/11/1918</null>		6/3/1918 <null></null>	218
4706130344 F M STAGGERS	PITTSBURGH & WV GAS	BIG INJUN (PRICE&EQ)		<null></null>	<null></null>			8/23/1919 <null></null>	288
4706130475 FRED HENNEN	CARNEGIE NATURAL GAS CO	BIG NJUN (PRICE&EQ)		<null></null>	<null></null>	11/12/1918	<null></null>	<null></null>	302
4706170031 SARAH E EDDY	MCDERMOTT, JOSEPH H.	<null></null>	INACTIVE	<null></null>	<null></null>				316
4706130346 ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT. GAS)	GORDON	INACTIVE	<null></null>	<null></null>	<null></null>		1/21/1941 <null></null>	316
1706130145 A J CARROTHERS HRS	H L TENNANT	<null></null>	INACTIVE	<null></null>	<noll></noll>		<null></null>	<null></null>	310
4706170030 SARAH E EDDY	MCDERMOTT, JOSEPH H.	<null></null>	INACTIVE	<nul></nul>	<null></null>		<null></null>	<null></null>	319
4706130665 THOMAS WHITE HEIRS	(N/A)	BIG INJUN (PRICE&EQ)		<null></null>	<null></null>	6/8/1926	in the second se	10/6/1927 <null></null>	323
4706130347 ELIHU EDDY	SOUTH PENN OIL (S. PENN NAT, GAS)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>		1/14/1912 <null></null>	323
706130348 ELIHU EDDY & D L CROSS	SOUTH PENN OIL (S. PENN NAT. GAS)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>		3/19/1920 <null></null>	
706130327 MICHAEL BARR	HOPE NATURAL GAS CO.	<nuli></nuli>	INACTIVE	<null></null>	<null></null>	8/3/1910	1 5	11/26/1910 <null></null>	332
4706130425 E E BELL	PITTSBURGH & WV GAS	FIFTY-FOOT	INACTIVE	<null></null>	<null></null>	5/29/1913		8/18/1913 <null></null>	335
4706130026 A J CARROTHERS	SOUTH PENN OIL (S. PENN NAT, GAS)	<null></null>	INACTIVE	<null></null>	<null></null>		<null></null>	<nul></nul>	336
4706130374 LUCINDA SIX	CLOVIS ROY W	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>		8/1/1925 <null></null>	346
4706130101 ERNEST BELL	MACKEY, ARTHUR D.	<null></null>	INACTIVE	<null></null>	<nu ></nu >	<null></null>	<null></null>	<null></null>	349
4706130106 WM HAINES	MACKEY, ARTHUR D.	<null></null>	INACTIVE	<null></null>	<nuli></nuli>	<null></null>	<null></null>	<null></null>	352
4706170154 MARY A EAKIN	PHILADELPHIA COMPANY, THE	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170881 ELIHU EDDY	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
706170883 ELIHU EDDY HRS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
1706170895 M J BREWER	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
706171010 ELIHU EDDY HRS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706130029 M C & C C WISE HEIRS	H L TENNANT	<nuli></nuli>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170157 HENRY W HAINES	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
706170669 J S CROSS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170674 P EDDY	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
706170880 SOUTH PENN OIL	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170885 SOUTH PENN OIL	SOUTH PENN OIL (S. PENN NAT. GAS)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170898 ELIHU EDDY HRS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170902 ERVINE TENNANT	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170905 ERVINE TENNANT	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<noll></noll>	<null></null>
4705170670 J S CROSS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170671 J S CROSS	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170897 ELIHU EDDY	(N/A)	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706170901 ERVINE TENNANT	(N/A)	<nuil></nuil>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
4706130218 HARRY L TENNANT	HARRY L TENNANT	<null></null>	INACTIVE	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>	<null></null>
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4706170888 MARY E MYERS	()www.j	- STATUS	IN THE LE	-Tarati-	- AMILE	. and		1 reput	1.1.44

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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).

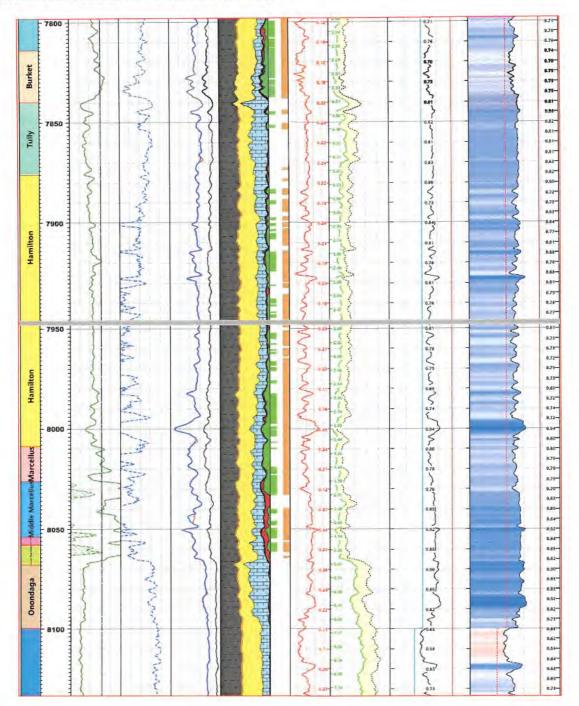
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4706101379 WV 5252	DIVERSIFIED ENERGY			10/3/1974 12/3/1999	9/1/1941	1/24/2000 <nuil></nuil>	Tay ILL YOT	-
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4706100341 EAKIN, C. L. 11891	EASTERN GAS TRANSMISSION AND STORAGE, INC	<null></null>	P&A	4/10/1975 4/29/1975	<null></null>		-	Null>
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4706100159 HARKER, JOHN O. 1	(N/A)	<null></null>	P&A	12/10/1921 4/17/1962	<nuil></nuil>	<nui></nui>	<1	Null>



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

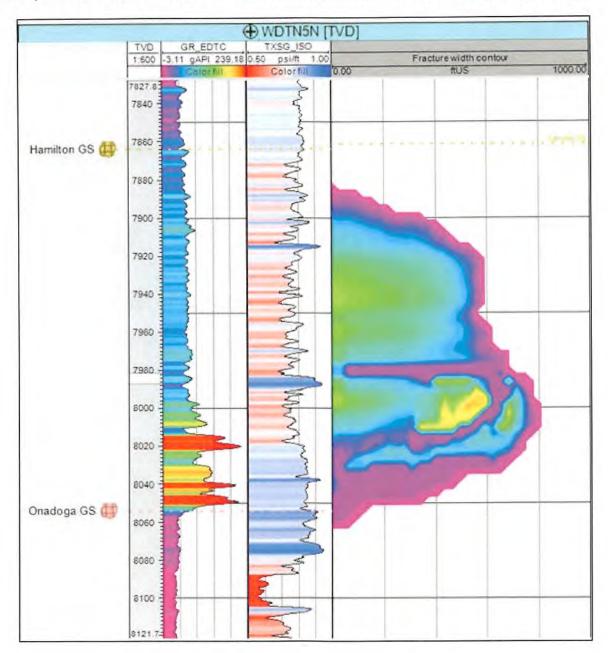




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Figure 4. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the WDTN5B. Frac modeling yields a frac height of approximately 200'.



Site Safety Plan for Wells WDTN19RHSM CNX Gas Company, LLC.

RECEIVED Office of Oil and Gas

JUL 27 2022

WV Department of Environmental Protection



Approval Sheet

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

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

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

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

West Virginia Division of Environmental Protection, Office of Oil and Gas

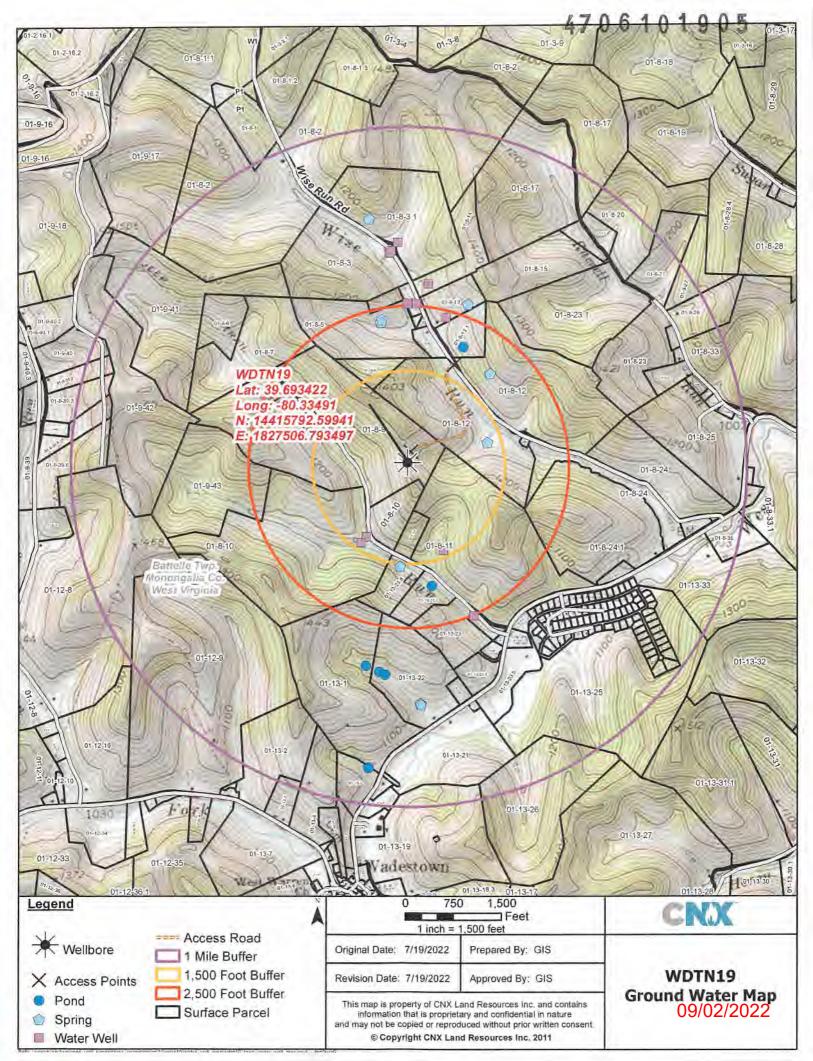
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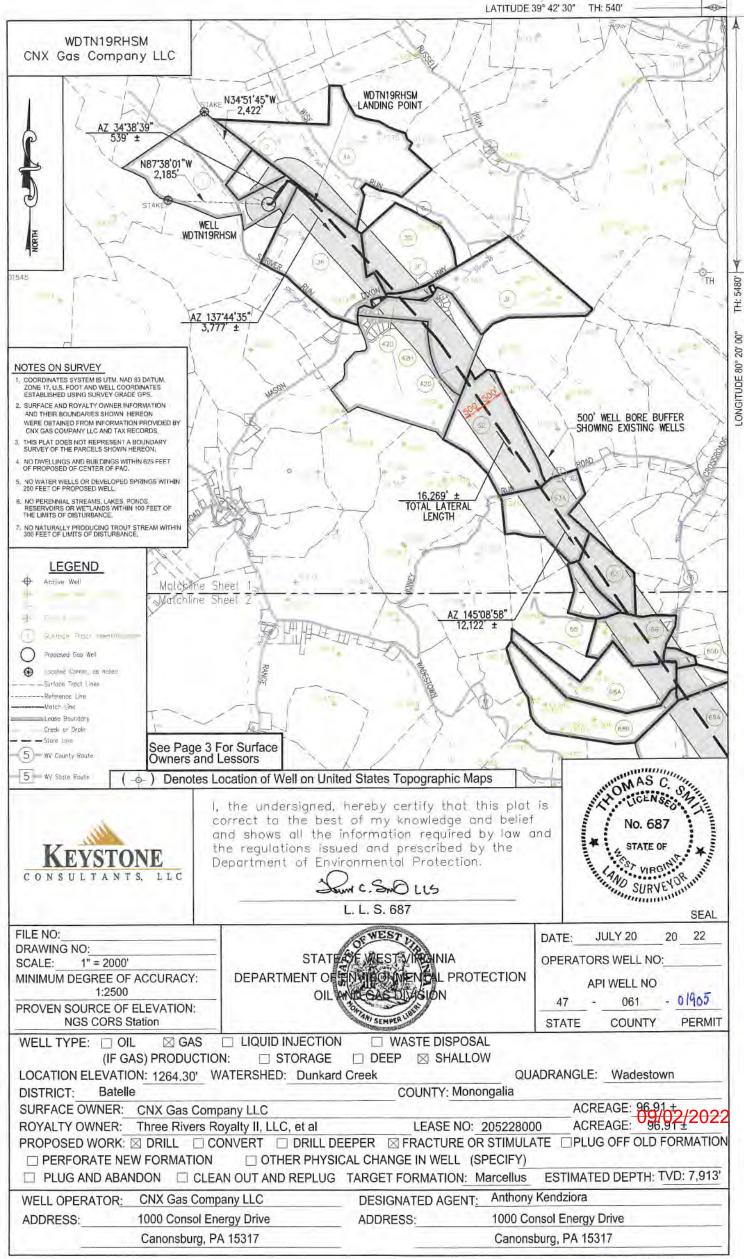
West Virginia Oil and Gas Conservation Commission.

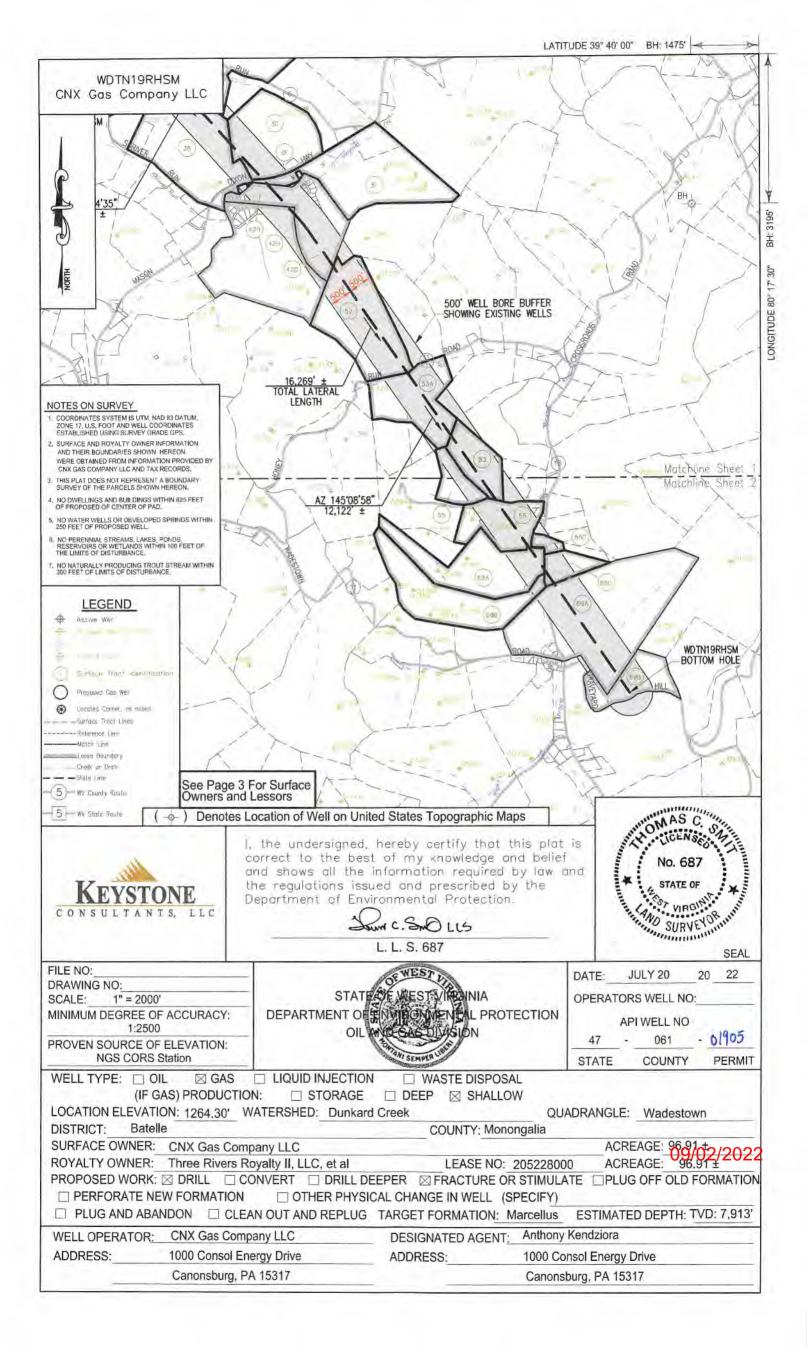
Approved this day _______ of month ______, 20____ by

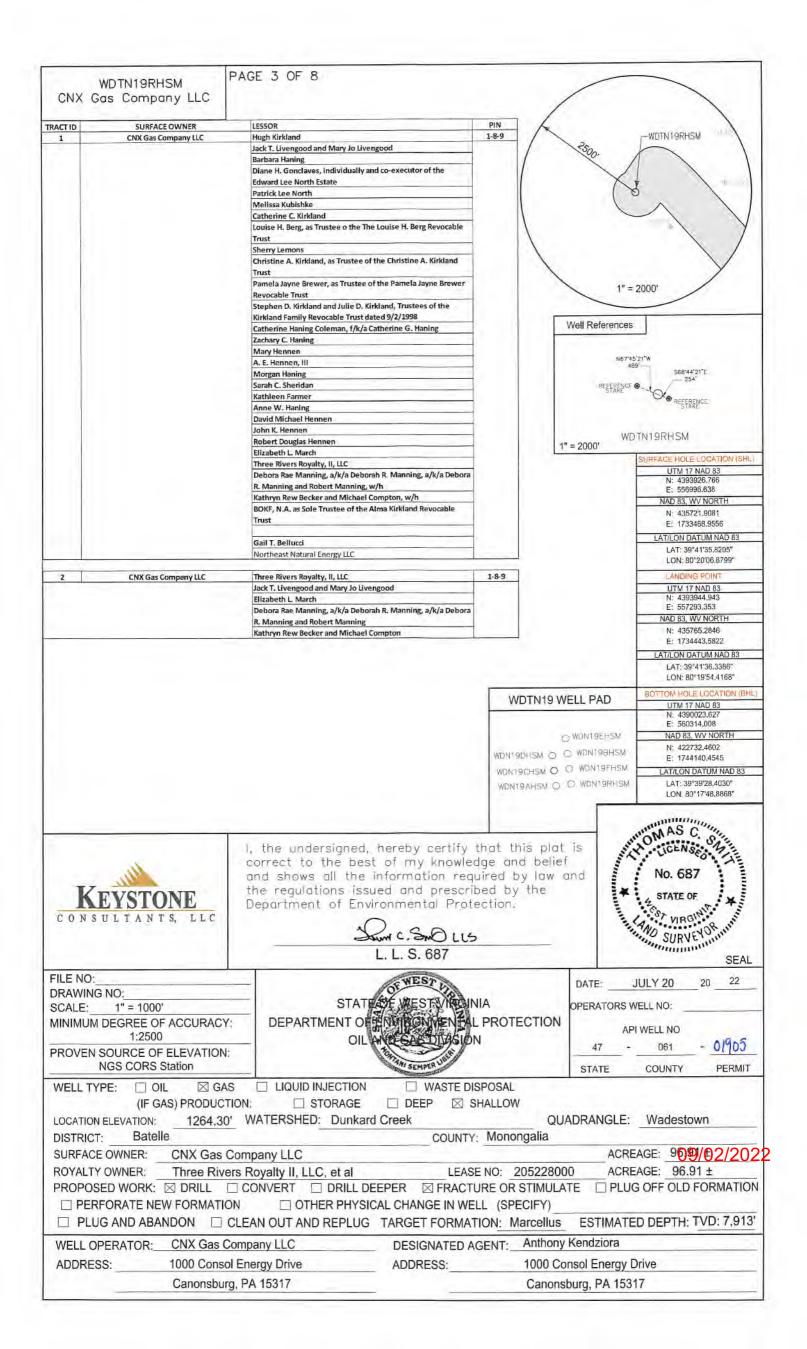
Kenneth Greynolds Gre

Date:









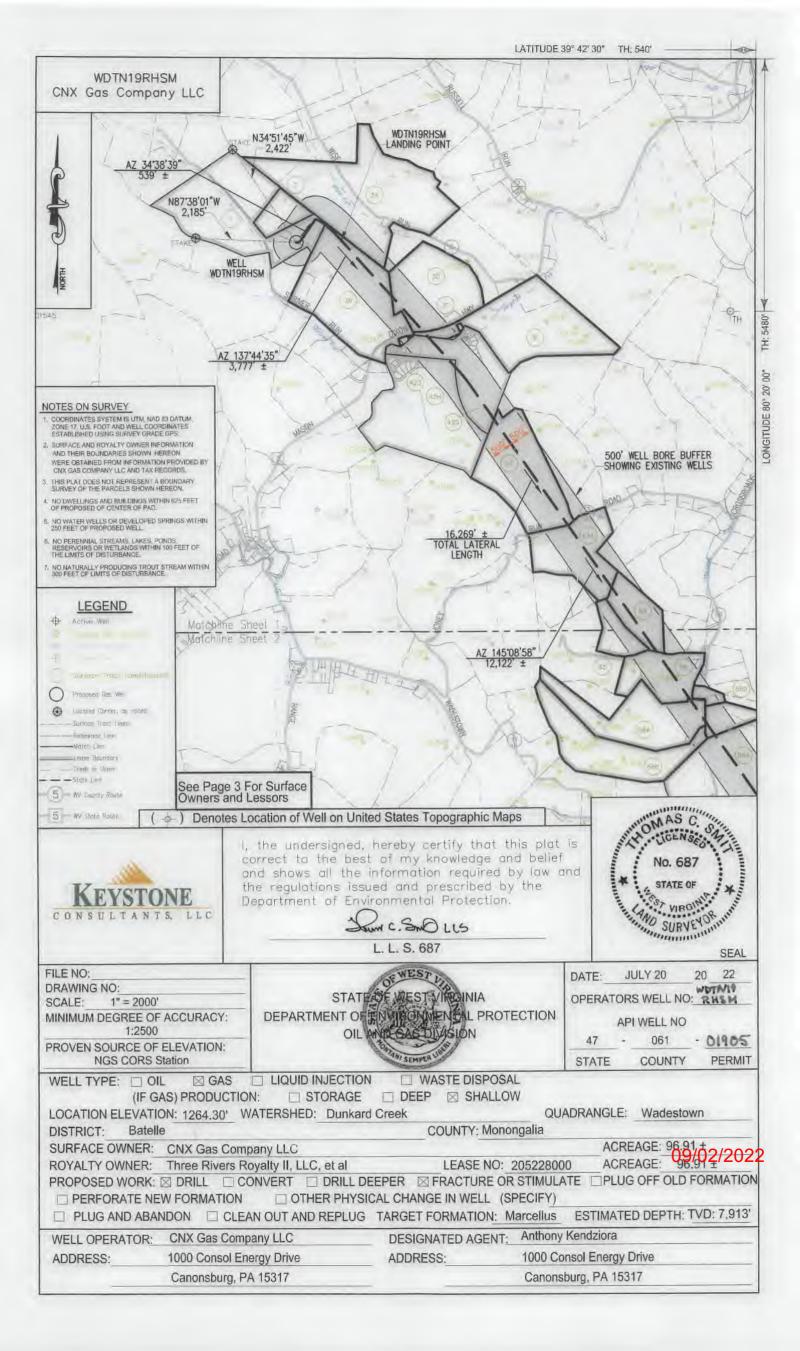
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12H	CNX RCPC LLC, et al	Norman Core, Gregory Shriver, and Francis M. Bland, Trustees of West Warren Baptist Church	1-13-24 1-13-25 1-138-41 THROUGH 1-138-54	
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52	Hampton D. Cottrell	Dorothy Cross James Tolbert and Sue E. Tolbert, h/w Emerson Cross and Mary Louise Cross, h/w Richard Cross and Shirley A. Cross David W. Tolbert Danny Tolbert, Jr a/k/a Danny G. Tolbert, Jr., Ferguson Cherri Sellers and Warren Sellers, h/w Hampton Cottrell and Mary M. Cottrell, h/w CNG Producing Company DominionExploration and Production, Inc. Antero Resources Appalachian Corporation DominionExploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Nable Energy Lpc	1-13-31.1	
53A	Randy Hennen	Noble Energy, Inc. Randy A. Hennen, a/k/a Randy Hennen, unmarried	1-13-30 1-13-30.1	
ACT ID 65	SURFACE OWNER Jackie W. Miller Jr.	John E. Kime, a widower LESSOR Jackie W. Miller, Jr. and Carol Ann Miller, h/w CNG Producing Company DominionExploration and Production, Inc. Antero Resources Appalachian Corporation	PIN 1-13-38	
		CNX Gas Company LLC Noble Energy, Inc.		
66	Eric Dale Chisler, et al	Paul E. Keener II, a married man Kimberly A. Keener, a married woman	1-13-29 1-13-40 1-13-41 1-13-41.1 1-13-41.2 1-13-42 1-13-43	
68A	Roy D. Chisler, et ux	Raymond P. Gaston, aka Ray Gaston, aka Ray Parish Gaston, and Pamela J. Gaston P&P Fujimo LLC R. Parrish Gaston	1-18-9 1-18-10	
		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		09/02/20
		Clarence S. Willard JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988		

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			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 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.		
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			Ridgetop Appalachia LLC		
			JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988		
			Terry O. Hendershot and Mary M. Hendershot, husband and wife		
			Helen M. Burton, a single woman Ryan C. Radtka and Susan Renee Radtka, husband and wife Northeast Natural Energy LLC		09/02/20
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Eric Dale Chisler	Eric Dale Chisler	Eric Dale Chisler	Eric Dale Chisler	Eric Dale Chisler	Eric Dale Chisler				
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API WELL NO	API WELL NO	API WELL NO	API WELL NO	API WELL NO	API WELL NO			Northeast Natural Energy LLC	WELL NO
API WELL NO 47 - 061 STATE COUNTY	47 - 061	47 - 061	47 - 061	47 - 061	47 - 061			Northeast Natural Energy LLC	



WDTN19RHSM CNX Gas Company LLC 4'35 500' WELL BORE BUFFER SHOWING EXISTING WELLS 16,269' ± I ENGTH NOTES ON SURVEY 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 CINX GAS COMPANY LLC AND TAX RECORDS. Matchline Sheet 1 Matchline Sheet 2 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. AZ 145'08'58" 12,122' ± 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 WITH 300 FEET OF LIMITS OF DISTURBANCE. LEGEND WDTN19RHSM BOTTOM HOLE 0 Proposed Gos Well 0 Located Corner, as noted Surface Tract Lines Reference Line Match Line Lease Boundary Creek or Dimin -State Line See Page 3 For Surface Owners and Lessors 5 WV County Route OMAS C 5 WV State Route SA LICENSED I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief No. 687 and shows all the information required by law and the regulations issued and prescribed by the STATE OF **KEYSTONE** Department of Environmental Protection. ST VIRGIN CONSULTANTS, LLC AND SURVEYOR Jour C. Smo LIS L. L. S. 687 SEAL STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL MAD SAS DIVISION FILE NO: DATE: JULY 20 20 22 DRAWING NO: 1" = 2000' OPERATORS WELL NO: SCALE: MINIMUM DEGREE OF ACCURACY: API WELL NO 1:2500 47 061 PROVEN SOURCE OF ELEVATION: THI SEMPER LI NGS CORS Station STATE COUNTY PERMIT WELL TYPE: OIL I GAS □ LIQUID INJECTION WASTE DISPOSAL (IF GAS) PRODUCTION: DEEP SHALLOW STORAGE LOCATION ELEVATION: 1264.30' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown DISTRICT: Batelle COUNTY: Monongalia ACREAGE: 969/02/2022 SURFACE OWNER: CNX Gas Company LLC ROYALTY OWNER: Three Rivers Royalty II, LLC, et al LEASE NO: 205228000 PROPOSED WORK: S DRILL CONVERT D DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION □ PERFORATE NEW FORMATION □ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus PLUG AND ABANDON ESTIMATED DEPTH: TVD: 7,913' WELL OPERATOR: **CNX Gas Company LLC** Anthony Kendziora DESIGNATED AGENT: 1000 Consol Energy Drive ADDRESS: 1000 Consol Energy Drive ADDRESS: Canonsburg, PA 15317 Canonsburg, PA 15317

LATITUDE 39° 40' 00" BH: 1475'

Y

BH: 3195'

17' 30"

ONGITUDE 80°

WDTN19RHSM CNX Gas Company LLC	AGE 3 OF 8		/	
1 CNX Gas Company LLC	LESSOR Hugh Kirkland Jack T. Livengood and Mary Jo Livengood Barbara Haning Diane H. Gonclaves, individually and co-executor of the Edward Lee North Estate Patrick Lee North Melissa Kubishke Catherine C. Kirkland Louise H. Berg, as Trustee of the The Louise H. Berg Revocable Trust Sherry Lemons Christine A. Kirkland, as Trustee of the Christine A. Kirkland 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 9/2/1598	PIN 1-8-9		2000'
	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		Well References	SURFACE HOLE LOCATION ISHL UTM 17 NAD 83 N: 4393926.766 E: 556998.638 NAD 83, WV NORTH N: 435721.9081 E: 1733458.9556
2 CNX Gas Company LLC	Gail T. Bellucci Northeast Natural Energy LLC Three Rivers Royalty, II, LLC 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	1-8-9		LAT/LON DATUM NAD 83 LAT: 39'41'35.8205" LON: 80'20'06.8799" CANDING POINT UTM 17 NAD 83 N: 4393944.943 E: 557293.353 NAD 83, WV NORTH N: 435765.2846
		WDN19CH	O WDN18EHSM SM O O WDN19BHSM ISM O O WDN19FHSM HSM O O WDN19FHSM	N: 4390023.627 E: 560314.008 NAD 83, WV NORTH N: 422732.4602 E: 1744140.4545 LAT: 39°39'28.4030° LON: 80°17'48.8868*
KEYSTONE CONSULTANTS, LLC	I, the undersigned, hereby certify correct to the best of my knowle and shows all the information req the regulations issued and prescri Department of Environmental Prot	dge and uired by bed by t ection.	belief law and ne	No. 687 STATE OF STATE OF SURVEYOR
FILE NO: DRAWING NO: SCALE: 1" = 1000' MINIMUM DEGREE OF ACCURACY: 1:2500 PROVEN SOURCE OF ELEVATION:	STATE OF WEST WEST WEST WEST WEST WEST WEST WEST	PROTEC	OPERATORS W	ULY 20 20 22 ELL NO: RWSM WELL NO 061 - 01905
NGS CORS Station WELL TYPE: OIL GAS (IF GAS) PRODUCTIO LOCATION ELEVATION: 1264.30' DISTRICT: Batelle SURFACE OWNER: CNX Gas Co	DN: STORAGE DEEP S WATERSHED: Dunkard Creek COUNTY	SPOSAL SHALLOW	6-11-1	COUNTY PERMIT
ROYALTY OWNER: Three River PROPOSED WORK: DRILL D PERFORATE NEW FORMATION PLUG AND ABANDON C	S Royalty II, LLC, et al LEAS	URE OR ST LL (SPECI FION: Marc	228000 ACRE/ IMULATE DLUG FY) cellus ESTIMATE	AGE: 96.91 ± S OFF OLD FORMATIO
WELL OPERATOR: CNX Gas Co ADDRESS: 1000 Consol Canonsburg,	Energy Drive ADDRESS:	10	nthony Kendziora 000 Consol Energy D anonsburg, PA 1531	

	LESSOR	PIN
A Barbara S. Shriver, et al	S. H. Shiver and Lucretia Shiver, his wife	1-8-8
A Barbara 3. Siniver, et al	S. The sinver and edited sinves, ins three	1-8-12
		1-8-12.1
	South Penn Oil Company	
	Hope Natural Gas Company	1
	Consolidated Gas Supply Corporation	1
	Consolidated Gas Transmission Corporation]
	CNG Transmission Corporation	
	CNG Power Company]
	Dominion Transmission, Inc.	
	CONSOL Energy Holdings LLC XVI	
	CONSOL Gas Company	
		1
D Howard A. Shriver Estate	S. H. Shiver and Lucretia Shiver, his wife	1-8-24.1
	South Penn Oil Company	
	Hope Natural Gas Company	-
	Consolidated Gas Supply Corporation	-
	Consolidated Gas Transmission Corporation	-
	CNG Transmission Corporation	-
	CNG Power Company	-
	Dominion Transmission, Inc.	-
	CONSOL Energy Holdings LLC XVI	-
	CONSOL Gas Company	
-		1 43 34
SF CNX RCPC LLC, et al	S. H. Shiver and Lucretia Shiver, his wife	1-13-36
		1-13-33
		1-13B-72
		THROUGH
	South Penn Oil Company	1-13B-82
	Hope Natural Gas Company	-
	Consolidated Gas Supply Corporation	-
	Consolidated Gas Supply Corporation	-
		-
	CNG Transmission Corporation	-
	CNG Power Company	-
	Dominion Transmission, Inc.	-
	CONSOL Energy Holdings LLC XVI	-
CT ID SURFACE OWNER	CONSOL Gas Company LESSOR	PIN
	William B. Richardson	1-8-11
36 George D. Six, et al	William B. Richardson	1-8-11.1
		1-13-24
		1-13-24
		1-13-25 1-13B-81
		1-13B-81
		1-13B-85
		1-13B-87
1	CNG Producing Company	1 100 07
	DominionExploration and Production, Inc.	
	Antero Resources Appalachian Corporation	
	DominionExploration and Production, Inc.	
	Consol Gas Company	1
	CNX Gas Company LLC	-
	Noble Energy, Inc.	1
	[110310 E110(0)] III0.	1
2D CNX RCPC LLC, et al	Norman Core, Gregory Shriver, and Francis M. Bland, Trustees	1-13B-16
	of West Warren Baptist Church	THROUGH
		1-13B-45
		1-13B-57
		THROUGH
		1-13B-70
		1-13-24
		1-13-24
A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O	William B. Richardson	
	CNG Producing Company	
	DominionExploration and Production, Inc.	0
	Antero Resources Appalachian Corporation	1 0
	DominionExploration and Production, Inc.	1
	Consol Gas Company	1
	CNX Gas Company LLC	
		4
	Noble Energy, Inc.	

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		PAGE 5 OF 8		
ACT ID 42H	SURFACE OWNER CNX RCPC LLC, et al	LESSOR Norman Core, Gregory Shriver, and Francis M. Bland, Trustees of West Warren Baptist Church	PIN 1-13-24 1-13-25 1-13B-41 THROUGH 1-13B-54	
		CNG Producing Company DominionExploration and Production, Inc. Antero Resources Appalachian Corporation DominionExploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.		
52	Hampton D. Cottrell	Dorothy Cross James Tolbert and Sue E. Tolbert, h/w Emerson Cross and Mary Louise Cross, h/w Richard Cross and Shirley A. Cross David W. Tolbert Danny Tolbert, Jr a/k/a Danny G. Tolbert, Jr., Ferguson Cherri Sellers and Warren Sellers, h/w Hampton Cottrell and Mary M. Cottrell, h/w CNG Producing Company DominionExploration and Production, Inc. Antero Resources Appalachian Corporation DominionExploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.	1-13-31.1	
53A	Randy Hennen	Randy A. Hennen, a/k/a Randy Hennen, unmarried	1-13-30 1-13-30.1	
TRACT ID	SURFACE OWNER	John E. Kime, a widower LESSOR	PIN	
65 Jackie W. Miller Jr.		Jackie W. Miller, Jr. and Carol Ann Miller, h/w CNG Producing Company DominionExploration and Production, Inc.	1-13-38	
		Antero Resources Appalachian Corporation DominionExploration and Production, Inc. Consol Gas Company CNX Gas Company LLC Noble Energy, Inc.		
66	Eric Dale Chisler, et al	Paul E. Keener II, a married man Kimberly A. Keener, a married woman	1-13-29 1-13-40 1-13-41 1-13-41.1 1-13-41.2 1-13-42 1-13-43	
68A	Roy D. Chisler, et ux	Raymond P. Gaston, aka Ray Gaston, aka Ray Parish Gaston, and Pamela J. Gaston P&P Fujimo LLC R. Parrish Gaston Paul R. Gaston	1-18-9 1-18-10	
		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		09/02/202
	Ale.	Al	PI WELL NO	

01111 000 0	ingen y LLC				
		PAGE 6			r l
			Roy Dale Chisler and Twyla Leah Chisler WV Minerals, Inc.		
			Sharon M. Flann		
			Stephen J. Dawson Martha E. Menzies and William S. Menzies		
			Andrew T. Stewart and Cathy Stewart		
			Betty Pitcock		0
			Kelly J. Kelly and Dennis Kelly		
			Charlene K. Crapnell and Larry E. Crapnell		
			Darlene Newson and Michael Newson Ricky Kaye Peaslee		
			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		
			Michael J. Eddy and Natilie A. Eddy, h/w		
			Northeast Natural Energy LLC		
			Waco Oil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross		
			XTO Energy Inc.		
			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		
			Wendy Dawn Lemley		
			Randall M. Spragg and Lisa M. Spragg, Co-Trustees under Revocable Trust Agreement of Randall M. Spragg, dated		
			October 24, 2007 Toledo Animal Shelter		
RACTID	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		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey Morris Mountaineer Oil and Gas LLC		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey Morris Mountaineer Oil and Gas LLC Sidney Austin Smith Trust LLC		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey Morris Mountaineer Oil and Gas LLC Sidney Austin Smith Trust LLC Thomas E. Ross		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey Morris Mountaineer Oil and Gas LLC Sidney Austin Smith Trust LLC Thomas E. Ross Richard M. Ross		
			Juanita Ely Benjamin C. Wirick Vivian Petoskey Morris Mountaineer Oil and Gas LLC Sidney Austin Smith Trust LLC Thomas E. Ross		
			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		
			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		
			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		
			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		09/02/202
			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		09/02/202
			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		09/02/202
			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		09/02/202
			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		09/02/202
			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		09/02/202
			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	Y WELL NO 061	09/02/202

	TN19RHSM				
	Company LLC	PAGE 7	OF 8		
		FAGE /	Cheryl J. Bosse		I
			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		
			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.		
RACTID	SURFACE OWN		LESSOR	PIN	1
69A	Timothy Clovis, et u	ıx, et al	Darrell W. Ringer, Deputy Commissioner of Delinquent and Nonentered Lands of Monongalia County, West Virginia	1-17-4 1-18-12 1-18-12.1 1-18-12.2 1-18-13	
			DominionExploration and Production, Inc. Consol Gas Company		
			Morris Mountaineer Oil and Gas LLC		
			The Sidney Austin Smith Trust, LLC Ridgetop Appalachia LLC		
			JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988		
			Terry O. Hendershot and Mary M. Hendershot, husband and wife		
			Helen M. Burton, a single woman		09/02/20
			Ryan C. Radtka and Susan Renee Radtka, husband and wife Northeast Natural Energy LLC		
			XTO Energy, Inc		
				WELL NO	
KEY	STONE		47	061	- 01905
	TANTS, LLC		STATE	COUNTY	PERMIT

	Mary M. Lunsford	Darrell W. Ringer, Deputy Commissioner of Delinquent and	1-17-4
		Nonentered Lands of Monongalia County, West Virginia DominionExploration and Production, Inc.	
		Consol Gas Company	
		Morris Mountaineer Oil and Gas LLC The Sidney Austin Smith Trust, LLC	
		Ridgetop Appalachia LLC	
		JPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	
		Terry O. Hendershot and Mary M. Hendershot, husband and wife	
		Helen M. Burton, a single woman Ryan C. Radtka and Susan Renee Radtka, husband and wife	
		Northeast Natural Energy LLC Northeast Natural Energy LLC	
		XTO Energy, Inc	
D	SURFACE OWNER	LESSOR	PIN
	Jackie W. Miller Jr.	Jackie W. Miller, Jr. and Carol Ann Miller, h/w CNG Producing Company	1-13-38
		DominionExploration and Production, Inc.	
		Antero Resources Appalachian Corporation	
		DominionExploration and Production, Inc.	
		Consol Gas Company CNX Gas Company LLC	
		Noble Energy, Inc.	
	Richard D. Tonnant at us	Bounty Minerals LLC	1-18-1
-	Richard D. Tennant, et ux	Bounty Minerals III Acquisitions LLC	1 10 1
		LOLA Drilling I, LLC	
		Rice Drilling B, LLC	
		Shuman, Inc.	
		Antero Resources Corporation	
		Richard Dale Tennant and Vickie Lynn Tennant, h/w	
	Eric Dale Chisler	Bounty Minerals LLC Bounty Minerals III Acquisitions LLC	1-17-1
		LOLA Drilling I, LLC	
		Rice Drilling B, LLC	
		Shuman, Inc.	
		Antero Resources Corporation	
		Eric Dale Chisler Northeast Natural Energy LLC	
		Northeast Natural Energy LLC	

Operator's Well No. WDTN19RHSM

WW-6A1 (5/13)

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

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

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

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

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

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

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways

Its:

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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

Well Operator: By: evices Make

Page 1 of 5

09/02/2022

					0.000	
	Map & Title Opinion Q	5 Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	rcel <u>#</u> 8-9 205228000	CNX Ges Company LLC	Hugh Kirkland	CNX Gas Company LLC	Fee	1611/49
			Jack 1. Livengood and Mary Io Livengood	CNX Gas Company LLC	Fee	1611/52 1622/101
			Barbara Haning Diane H. Gonclaves, individually and co-executor of the Edward Lee Nort	CNX Gas Company LLC	Fee	1629/420
			Estate	in claw das company etc		
			Patrick Lee North	CNX Gas Company LLC	Fee	1629/411 1613/383
			Melissa Kubishke Catherine C. Kirkland	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1613/424
			Louise H. Berg, as Trustee b 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	flot less than 1/8 Not less than 1/8	1613/429 1614/660
			Pamela Jayne Brewer, as Trustee of the Pamela Jayne Brewer Revocable Trust	CNX Gas Company LLC	NULLIESS COMPLETES	
			Stephen D. Kirkland and Julie D. Kirkland, Trustees of the Kirkland Famil	CNX Gas Company LLC	Not less than 1/8	1614/654
			Revocable Trust dated 9/2/1998 Catherine Haning Coleman, f/k/a Catherine G. Haning	CNX Gas Company LLC	Not less than 1/8	1622/173
			Zachary C. Haning	CNX Gas Company LLC	Not less than 1/8	1622/209
			Mary Heimen	CNX Gas Company LLC	Not less than 1/8	1620/155
			A. E. Henrien, III	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1620/166 1622/168
			Morgan Haning Sarah C. Sheridan	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1621/340
			Kathleen Farmer	CNX Gas Company LLC	Not less than 1/8	1620/160
			Anne W. Haning	CNX Gas Company LLC	Not less than 1/8	1620/171
			David Michael Hennen	CNX Ges Company LLC	Not less than 1/8 Not less than 1/8	1620/176 1621/324
			John K. Hennen	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1622/183
			Robert Douglas Hennen 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
			Debora Rae Manning, a/k/a Deborah R. Manning, a/k/a Debora R.	CNX Gas Company LLC	Not less than 1/8	1627/648
			Manning and Robert Manning, w/h	CHY Can Company U.C.	Not less than 1/8	1625/420
			Kathryn Rew Becker and Michael Compton, w/h BOKF, N.A. as Sole Trustee of the Alma Kirkland Revocable Trust	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1631/94
			Gall T, Bellucci	Northeast Natural Energy LLC CNX Gas Company LLC	Not less than 1/8 Assignment	1630/158
			Northeast Natural Energy LIC			
	Map & Title Opinion Q	LS Surface Owner	Grantor, Lessor, etc	Grantee, Lessen, etc.	Royalty	Book/Pag
	ercel <u>H</u> 8-9 189014000	CNX Gas Company LLC	Three Rivers Royalty, II, LLC	CNX Gas Company LLC	Not less than 1/8	1616/658
1	10 Potnota	and and another of the	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
			Manning and Robert Manning Kathryn Rew Becker and Michael Compton	CNX Gas Company LLC	Not less than 1/8	1625/420
10	Map & Title Opinion G	LS Surface Owner	Grantor, Lessor, etc	Grantee, Lesser, etc.	Royalty	Book/Pag
	arcel E			and the second sec		
A 1	-8-8 189893000 8-17	Barbara S. Shriver, et al.	5. H. Shiver and Lucretia Shiver, his wife	South Penn Oil Company	Not less than 1/8	52/400
	3-12.1			And A Constant of Constant		(horizontal)
			South Penn Oil Company	Hope Natural Gas Company Consolidated Gas Supply Corporation	Assignment	Unrecorde 633/144
			Hope Natural Gas Company Consolidated Gas Supply Corporation	Consolidated Gas Transmission Comportation	Assignment	16/198
			Consolidated Gas Transmission Corporations	CNG Transmission Corporation	Narme Change	Wyscis
			CNG Transmission Corporation	CNG Power Company	Name Change	WVS05
			CNG Power Company	Dominton Transmission, inc.	Name Change	WVSOS 108/64
			Dominian Transmission, Inc.	CONSOL Energy Holdings LLC XVI CONSOL Gas Company	Assignment Merger	60/18
			CONSOL Energy Holdings LLC XVI CONSOL Gas Company	CNX Gas Company LLC	Merger	2/424
et ID Tax	Map & Title Opinion C	15 Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
Pa	arcel #				Not less than 1/8	52/400
D I-8	3-24.1 189893000	Howard A. Shriver Estate	5. H. Shiver and Lucretia Shiver, his will South Penn Of Company	South Penn Oil Company Hopé Natural Gas Company	Assignment	Unrecorde
			Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	633/144
			Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	16/198
			Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Name Change	W/VSC/8
			CNG Transmission Corporation CNG Power Company	CNG Power Company Dominion Transmission, Inc.	Name Change Name Change	WVSOS
			Dominion Transmission, Inc.	CONSOL Energy Holdings LLC XVI	Assignment	108/64
			CONSOL Energy Holdings LLC XVI	CONSOL Gas Company	Merger	60/18
			CONSOL Gas Company	CNX Gas Company LLC	Mergei	2/42.4
t ID Tax	Map & Title Opinion C	15 Surface Owner	Grantor, Lessor, etc.	Grantee, Lessee, etc	Royalty	Book/Pag
Pr Pr	arcel #					
	13-36 189893000 13-33	CNX RCPC LLC, et al	S. H. Shiver and Lucretia Shiver, his wife	South Penn Oil Company	Not less than 1/8	52/400
1.1	38-72					
	OUGH 3B-82					
	1					
			South Penn Oil Company	Hope Natural Gas Company	Assignment	Garecarde
			Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	633/144
			Concolidated Gas Supply Corporation Consolidated Gas Transmission Corporation	Consolidated Gas Transmission Corporation CNG Transmission Corporation	Assignment Name Change	16/198 W//SD6
			CIVG Transmission Corporation	CNG Power Company	Name Change	WVSOS
			CNG Power Company	Dominion Transmission, Inc.	Name Change	WV505
			Dominion Transmission, Inc. CONSOL Energy Holdings LLC XVI	CONSOL Energy Holdings LLC XVI	Assignment	108/64 60/18
			CONSOL Energy Holdings LLC XVI CONSOL Gas Company	CONSOL Gas Company CNX Gas Company LLC	Merger	2/424
	Map & Title Opinion C	LSSurface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc		Book/Pag
Pa	arcel 👱		And a second	and the second se	Royalty	
5 1.	8-11 204980000	George D. Six, et al	William B. Richardson	CNG Producing Company	Not less than 1/8	1134/620
	3-11.1 13-24					
	13-24					
1-1	38-81					
	38-85					
	38-86 38-87					
	0.0		ENG Producing Company	DominionExploration and Production, Inc.	Name Change	DE Secretary of
			DominisonExploration and Production Inc.	Antern Resources Appalachian Corporation	Assignment	102/797
			Antero Resources Appelachian Corporation Dominion-Exploration and Production, Inc.	DominionExploration and Production, Inc. Consol Gas Company	Assignment Name Changa	103/594 60/7
			Consol Gas Company	CNX Gat Company LLC	Merger	2/424
			CNX Gas Company LLC	Noble Energy, Inc.	Assignment	113/458
			Noble Energy, Inc.	ENX Gas Company LLC	Assignment	131/339
	Map & Title Opinion G	LS Surface Owner	Granter, Lessor, etc	Grantee, Lessee, etc.	Royalty	Book/Pag

09/02/2022

420	1-138-16 THROUGH 1-138-45 1-138-45 THROUGH 1-138-70 1-13-24 1-13-25	204978000	ENX RCPC LLC, et al	Roman Core, Gregory Shriver, and Francis M. Bland, Tristees of West Warren Baptist Church	CNG Producing Company	Not less than 1/8	1143/493
				William B. Richardson CNR Producing Company DominionExploration and Production, Inc. Anter: Resources Appalations Companiation DominitionExploration; and Predoction, Inc. Comosi Gar Company Carlos Company (EC: Noble Energy), Inc.	CNG Producing Company Denvironi kyloration and Production, Ins- Antero Resources Applications and Production, Ins- consel Gas. Company CNX Gas Company LLC Nobie Inergy, Inc. CNX Gas Company (LLC Nobie Inergy, Inc.	Not less than 1/8 Hinne Change Assignment Assignment Nome Change Mingor Assignment Assignment	1142/547 DL Secretary of Stat 103/797 103/594 60/7 2/424 113/458 131/329
Tractif	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
42H	Parcel 1-13-24 1-13-25 1-138-41 THROUGH 1-138-54	<u>П</u> 204978000	CNX RCPC LLC, et al	Norman Core, Gregory Shriver, and Francis M. Bland, Trustees of West Warren Baptist Church	ENG Producing Company	Not less than 1/8	1141/491
				CNG Producing Comjuany Demonsed sphoration and Brodiniction, Inc. Antere Besources Appalachian Corporation Dominiscriptingstration and Production, Inc. Consol Gas Company CNX Rat Company LLC Noble Energy, Inc.	Dominion Lipitoration and Productiue, Inc. Antero Resources Appainthian Corporation Dominian/poloration and Production, Inc. Comol Gas Company CNX Gas Company LLC Noble Eurogy, Inc. CNX Gas Company LLC	Name Change Assignment Nane Clange Merger Assignment Assignment	Df Societary of Star 102/797 103/594 60/7 2/424 113/458 131/339
Tract ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc.	Grantee, Lossec, etc	Royalty	Book/Page
, 52	Parcel 1-13-31.1	<u>н</u> 204377000	Hampton D. Cottrell	Dorothy Eross James Tolbert and Sas E. Tolbert, Jyw Ernesson, Cross and Mary Louise Cross, Hyw Richaed Cross and Shirley A. Cross David W. Tolbert, Jr ally's Danny G. Tolbert, Jr., Ferguson Cherri Sellers and Warren Sellers, Jyw Hanaptan Catrell and Mary K. Cottrell, Hyw Citic Froducing Company Dammion:Exploration and Production, Inc. Antero Resources Appaleutinin Corporation Dammion:Exploration and Production, Inc. Consol Gas Company Col Gas Company (LC Nodale Energy, Inc.	CNG Producing Company CNG Company LUC Nable Energy, Inc. CNS Company LUC	Not less than 1/8 Not less than 1/8 Natic Change Assignment Name Change Name Marger Name Change Name Name Change Name Change Name Change Name Name Change Name Change Name Name Change Name Name Change Name Name Name Name Name Name Name Name	1361/321 1161/336 1161/336 1161/336 1170/539 1170/534 1170/584 1170/589 1149/485 116 Semetary of Stat 102/197 103/594 60/7 2/4/26 113/459 131/339
Tract ID	Tax Map & Parcel	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
53A	1-13-30	263771000	Randy Hennen	Randy A. Hennen, a/k/a Randy Hennen, unmarried	CNX Gas Company LLC	Not less than 1/8	1644/820
	1-13-30.1			John E, Kime, a widower	CNX Gas Company LLC	Fee	1632/58
Lract ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Revalty	Book/Page
65	Parcel 1-13-38	¥ 263774000	Jackie W. Miller Jr.	Jackie W. Miller, Jr., and Carol Ann Miller, Iy/w CNG Producing Company DominionExploration and Production, Inc. Antere Besources Appalachian Corporation Dominionisploration and Production, Inc. Consol Gen Company CSM Scat Company LCM Scat Company, Inc.	CNG Producing Company DenvirieFueloration and Production, Inc. Antero Reserves: Appalability of Composition Denvironity and Production, Inc. Const Gias Company, LIC Noble Energy, Inc. CRK Gas Company LIC	Not less than 1/8 Name Charge Assignment Warne Charge Marges Assignment Assignment	1175/144 DE Secretary of Sta 102/797 103/594 60/7 7/424 113/458 131/399
Tract 10	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessare, atc	Royalty	Book/Page
66	Parcei 1-13-29 1-13-40 1-13-41 1-13-41.1 1-13-41.2 1-13-42 1-13-43	<u>II</u> 240227000 257900660	Eric Dale Chisler, et al	Paul E, Keener II, o married man Kimberly A. Keener, a married woman	CNX Gas Company LLC.	Not less than 1/8	1472/571
Tract ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc.	Grantee, Lessee, etc	Royalty	Book/Page
68A	Parcel 1-18-9	<u>単</u> 257917000	Roy D. Chisler, et us	Raymond P. Gaston, aka Ray Gaston, aka Ray Parish Gaston, and Pamela	EQT Production Company	Not less than 1/8	1557/68
	1-18-10			L Gaston P&P Fujimo LLC R, Parrich Gaston Paul R, Gaston CDI Production Company	EQT Production Company EQT Production Company EQT Production Company CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	1586/43 1594/141 1602/60 153/744
				Jamet Watkins Nose Marie Shape Ruth Ann Fallman Juanita Dy Benjamin C. Wirkck Vidan Petoskey Morris Mountaineer DI and Gas LLC Sidney Austin Smith Thust LLC Thomase F. Ross Richard M. Ross Defan L. Maston and Richard A. Mason Carel Curtis Davight E. Jackson Audy Wirkl Davight Herd Michael Obbert Herd Christine Ann Boyd Charles Particle Herd and Lenn'C. Herd Bruce A. Davie, Jr. Pollay Anna Eddy Morrition Fyman Robert W. Davie and Lika D. Davie Jerry L. Hoffman Robert J. Bosse Rodney A. Bosse Clarence S. Willard IPMorgan Chase Bank, M.A. Trustee of the Will E. Morris Heirs Trist U/A dated November 15, 1988	ENX Gas Company LLC CNX Gas Company LLC	Not less than $1/8$ Not less than $1/8$	1689/243 1689/333 1699/236 1699/231 1754/282 1757/235 1757/235 1757/235 1764/576 1748/431 1748/431 1748/431 1748/431 1748/431 1748/431 1748/431 1755/605 1757/35 1757/35 1757/35 1757/35 1757/35 1752/240
				WV Minerals, Inc. Sharon M. Flarn Stephen J. Dawson	Northeast Natural Energy LLC Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1760/611 1611/35 1611/767



		Martha E. Menzies and William S. Menzies	Northeast Natural Energy LLC	Not less than 1/8	1630/4
			Northeast Natural Energy LLL	Not less than 1/8	1657/34
		Andrew T. Stewart and Catliy Stewart	Northeast Natural Energy LLL	Paor ress chain and	1642/3
		Betty Pitcock	Northwast Natural Energy LLC	Not less than 1/8	1642/31
		Kelly J. Kelly and Dennis Kelly	Northeast Natural Energy LLC	Not less than 1/8	1642/3
		Charlene K. Crapnell and Larry E. Crapnell	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1645/2
		Darlene Newson and Michael Newson Ricky Kave Pestlee	Northeast Natural Energy LLC	Not less than 1/8	1753/1
		Maxine Wirick.	Northeast Natural Energy LLC	Not less than 1/8	1551/1
		Staci L Dawson	Northeast Natural Energy LLC	Not less than 1/8	1610/8-
		Wilme J. Ross	Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1610/8-
		Amber N. Cubberly and Dustin Cubberly, her husband	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8	1622/3
		Christina K. Benson and James B. Benson, her husband James E. Eddy and Ronda S. Eddy, his wife	Northeast Natural Energy LLC	Not less than 1/8	1619/8
		Kenneth R. Edity and Natalie A. Eddy, his wife	Northeast Natural Energy LLC	Not less than 1/8	1619/8
		Mary Lou Verbosky	Northeast Natural Energy LLC	Not less than 1/8	1629/1 1630/2
		Louise A. Stewart England	Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1630/2
		Michael J. Eddy and Natilie A. Eddy, h/w Nartheast Natural Jourgy GC	Northeast Natural Energy LLC CNX Gas Company LLC	Agraement	1773/1
		Waco Gil & Gas Co., Inc.; I.L. Morris, Mike Ross, Inc.; Mike Ross	XTO Energy Inc.	Fee Agreement	1442/8
		XTO Energy ins	CNX Gas Company LLC	Not less than 1/8	151/3
		Gary A. Spragg Richard A. Stewart	CNX Gas Company LLC	Not less than 1/8	151/3
		loyce Lydic	CNX Gas Company LLC	Not less than 1/8	151/3
		Thomas L. Hoffman	CNX Gas Company LLC	Not less than 1/8	151/3
		Kyle J. Davie	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	151/3
		Summer G. Johnson Jessica L. Baum a/k/a Jessica L. Gerwells	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	151/3
		James Eric Davie	CNX Gas Company LLC	Not less than 1/8	151/3
		Susan Kimbrell	CNX Gas Company LLC	Not less than 1/8	151/3
		Wendy Dawn Lemley	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	151/3 151/3
		Randall M. Spragg and Lisa M. Spragg, Co-Trusteex under Revocable Agreement of Randall M. Spragg, dated October 24, 2007	CNX Gas Company LLC	Not less than 1/8	151/5
ID Tax Map & Title Opinion QLS	Surface Owner	Toledo Animal Shelter Grantar, Lessor, etc	Grantee, Lesser, etc	Royalty	Boak/P
Parcel E				Not less than 1/B	1586/
3 1-18-8 257917000	Opal Howard	Bounty Minerals, LLC Edia Drilling, LLC	Lola Drilling I, LLC Rice Drilling 8 LLC	Assignment	133/7
		Rice Unilling BillC	CNX Gas Company LLC	Assignment	153/7
		Raymond P. Gaston, ake Ray Gaston, ake Ray Parish Gaston, and Pa	mela EQT Production Company	Not less than 1/8	1553/
		J. Gaston P&P Fujimo LLC	EQT Production Company	Not less than 1/8	1586/
		R. Parrish Gaston	EQT Production Company	Not less than 1/8	1594/
		Paul R. Gaston	EQT Production Company	Not less than 1/8	1602/
		EQT Production Company	CNX Gas Company LLC	Assignment	153/7
		Janet Watkins	CNX Gas Company LLC	Not less than 1/8	1689/2
		Rose Marie Shape	CNX Gas Company LLC	Not less than 1/8	1689/3
		Ruth Ann Taliman	CNX Gas Company LLC	Not less than 1/8	1689/7
		Juanita Ely	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1689/1
		Benjamin C. Wirick Vivian Petoskey	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1754/2
		Morris Mountaineer Oil and Gas LLC	CNX Gas Company LLC	Not less than 1/8	1757/3
		Sidney Austin Smith Trust LLC	CNX Gas Company LLC	Not less than 1/8	1757/
		Thomas E. Ross	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1747/
		Richard M. Ross	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1748/
		Debra L Mason and Richard A. Mason Carol Curtis	CNX Gas Company LLC	Not less than 1/8	1748/
		Dwight E. Jackson	CNX Gas Company LLC	Not less than 1/8	1748/
		Judy Wirick	CNX Gas Company LLC	Not less than 1/8	1748/
		Dwight Herd	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1748/
		Michael Delbert Herd Christing Ann Boyd	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1749/
		Charles Patrick Hord and Leane C. Herd	CNX Gas Company LLC	Not less than 1/8	1752/
		Bruce A. Davie, Jr.	CNX Gas Company LLC	Not less than 1/8	1755/6
		Polly Anna Eddy Morrison Fryman	CNX Gas Company LLC	Fau	1752/
		Robert W. Davie and Lisa D. Davie	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1757/
		Jerry L. Hoffman Cheryl J. Bosse	CNX Gas Company LLC	Not less than 1/8	1764/
		Rodney A. Bosse	CNK Gas Company LLC	Not less than 1/8	1762/
		Clarence S. Willard IPMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1752/
		dated November 15, 1988 Gary A. Spragg	CNX Gas Company LLC	Not less than 1/8	151/3
		Richard A. Stewart	CNX Gas Company LLC	Not less than 1/8	151/3
		Joyce Lydic	CNX Gas Company LLC	Not less than 1/8	151/5
		Thomas L. Hoffman	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	151/3
		Kyle J. Davle Summer G. Johnson	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	151/3
		Jøssica L. Baum a/k/a Jessica L. Gerwells	CNX Gas Company LLC	Not less than 1/8	151/3
		James Eric Davin	CNX Gas Company LLC	Not less than 1/8	151/3
		Susan Kimbrell	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	151/5
		Daniel Balles toel Balles	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	151/3
		Randall M. Spragg and Lise M. Spragg, Co-Trustees under Revocable Agreement of Randall M. Spragg, dated October 24, 2007		Not less than 1/8	151/3
		Toledo Animal Shelter	CNX Gas Company LLC	Not less than 1/8	151/3
		WV Minerals, Inc.	Northeast Natural Energy LLC	Not less than 1/8	1760/
		Sharon M. Flann	Northeast Natural Energy LLC	Not less than 1/8	1611/
		Stephen J. Dawson Martha E. Mencles and William S. Menzies	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1611/ 1630/
		Andrew T. Stewart and Eathy Stewart	Northeast Natural Energy LLC	Not less than 1/8	1657/
		Betty Pitcock	Northeast Natural Energy LLC	Not less than 1/8	1642/
		Kelly J. Kelly and Dennis Kelly	Northeast Natural Energy LLC	Not less than 1/8	1642/
		Charlene K. Crapnell and Larry E. Crapnell Distance Neuropa and Michael Mourage	Northeast Natural Energy LUC	Not less than 1/8 Not less than 1/8	1645/
		Darlene Newson and Michael Newson Ricky Kaye Peaslee	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1753/
		Opal Howard	Northeast Natural Energy LLC	Not less than 1/8	1598/
		Maxine Wirick	Northeast Natural Energy LLC	Not less than 1/8	1651/
		Staci L. Dawson	Northeast Natural Evergy LLC	Not less than 1/8	1610/
		Wilma J. Ross Amber N. Cubberly and Dustin Cubberly, her husband	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1633/
		Christina K. Benson and James B. Benson, her husband	Northeast Natural Energy LLC	Not less than 1/8	1622/
		James E. Eddy and Ronda S. Eddy, his wife	Northeast Natural Energy LLC	Not less than 1/8	1619/
		Kenneth R. Eddy and Natalie A. Eddy, his wife	Northeast Natural Energy LLC	Not less than 1/8	1619/
		Mary Lou Verbosky Louise A. Stewart England	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8 Not less than 1/8	1629/
		Louise A. Stewart England Michael J. Eddy and Natilie A. Eddy, h/w	Northeast Natural Energy LLC Northeast Natural Energy LLC	Not less than 1/8	1630/
			Northeast Natural Energy LLC	Not less than 1/8	1623/
		Any Ann Heston			
		Donna Fay Hibbs	Northeast Natural Energy LLC	Not less than 1/8	
					1623/ 1623/ 1623/



				Wato Dil & Ges Co., Inc., I.L. Morris, Mike Ross, Inc.; Mike Ross XTO Energy Inc.	KTO Energy Inc. CNX Gas Company LLC	Fee Agreement	1442/835 1773/164
actiD		itle Opinion QLS	Surface Owner	Grantor, Lessor, etc.	Grantee, Lessee, etc	Royalty	Book/Page
69A	Parcel 1-17-4 1-18-12 1-18-12.1 1-18-12.2 1-18-13	E 240230000	Timothy Clovis, et ux, et al	Darrell W. Ringer, Deputy Commissioner of Delinquent and Nonentered Lands of Monongalia County, West Virginia	Dominion Exploration and Production, Inc.	Fee	1339/188
	1-18-13			Deministric Exploration and Production, Int Consol Gas Company	Consol Gas Company CNX Gas Company ITC	Name Lhange Merger	6077 2/424
				Morris Mountaineer Oil and Gas LLC The Sidney Austin Smith Trust, LLC Ridgetop Appalachia LLC PMorgan Chase Bank, N.A. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1988	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	1757/235 1757/250 1750/120 1779/525
				Terry O. Hendershot and Mary M. Hendershot, husband and wife Helen M. Burton, a Kingle woman Ryan C. Radhe and Sasan Rence Radhta, husband and wife Nartheast Natural Energy ILC	Northeast Natural Energy LLC Northeast Natural Energy LLC Northeast Natural Energy LLC CRX, Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	1604/250 1612/98 1612/96 153/716
				XTO Energy, Inc	CNX Gas Company LLC	Agreement	1773/253
nact ID		litle Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
698	Parcel 1-17-4	# 240230000	Mary M. Lunsford	Darrell W. Ringer, Deputy Commissioner of Delinquent and Nonentered Lands of Monongalia County, West Virginia	Dominion Exploration and Production, Inc.	Fee Nume Change	1339/188 60/7
				DominianExploration and Production, Inc. Consol Gas Company	CNX Gas Company LLC	Merger	2/424
			Morris Mountaineer Oil and Gas LLC The Silney Austin Smith Trust, LLC Ridgeto Apagabachia LLC JPMorgan Chase Bank, ILA. Trustee of the Will E. Morris Heirs Trust U/A dated November 15, 1588	CNX Ges 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	1757/235 1757/250 1750/120 1779/525	
				Terry O. Hendershot and Mary M. Hendershot, husband and wife Helen M. Burton, a single woman Ryan C. Radtka and Susan Renee Radtka, husband and wife Northeast Natural Energy ILC Northeast Natural Energy ILC	Northeast Natural Energy LLC Northeast Natural Energy LLC CNK Gas Company LLC CNK Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment	1604/260 1612/98 1612/96 153/716 1773/111
				XTO Energy, Inc	CNX Gas Company LLC	Agreement	1773/253
ract ID	Tax Map 6	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
83	1-13-38	263774000	Jackie W, Miller Jr.	Jackle W. Miller, Jr. and Carol Ann Miller, h/w CNG Producing Company Dominion Lipotation and Production, Inc. Anters Resources Appalachum Corporation DominionExploration and Production, Inc. Consol Law Company CNK Gas Company (LC Nokie Senergy, Inc.	CNG Producing Company Dominium/Exploration and Production, Inc. Antoro Resources Appliathian Corporation Dominium/Exploration and Production, Inc. Consol Gas, Company CRX Gas Company LLC Moble Energy, Inc. CNK Gas Company LLC	Not less than 3/8 Name Charge Assignment Assignment Name Charge Mergee Assignment Assignment	1175/144 DE Secretary of St 102/797 103/994 60/7 2/424 113/458 131/339
ractID		Title Opinion QLS R	Surface Owner	Grantor, Lessor, etc	Grantee, Lossee, etc	Royalty	Book/Page
85D	Parcel 1-18-11	240570000	Richard D. Tennant, et ux	Bounty Minerals LLC Bounty Minerals III Acquisitions LLC LOLA Drilling I, LLC Acce Drilling B, LLC	LOLA Drilling I, LLC LOLA Drilling I, LLC Rice Drilling B, LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment	1586/4 1586/7 183/752 153/774
				Shuman, Inc. Antero Resources Corporation	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	1592/135 133/438
				Richard Dale Tennant and Vickie Lynn Tennant, h/w	CNX Gas Company LLC	Not less than 1/8	1685/631
ract ID		Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, lessee, etc	Royalty	Book/Page
/85E	Parcel 1-17-1	<u>≭</u> 240570000	Eric Dale Chisler	Bounty Minerals LLC Bounty Minerals III Acquisitions LLC LOCA Desimp (LLC Rice Dalling B, LLC	LOLA Drilling I, LLC LOLA Drilling I, LLC Rice Drilling B, LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment	1586/4 1586/7 133/752 153/774
				Shuman, Inc. Antero Resources Corporation	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	1592/135 133/438
				Eric Dale Chisler Northeast Natural Energy LLC	Northeast Natural Energy LLC CNX Gas Company LLC	Not less than 1/8 Agreement	1770/583 1773/111





Sarah Weigand Manager Upstream Permitting Work: 724-485-3244 Email: SarahWeigand@cnx.com 724-485-4000

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

Sincerely,

Sarah Weigand

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS <u>NOTICE CERTIFICATION</u>

Date of Notice Certification: 126 22

API No. 47-	-
Operator's Well No	WDTN19RHSM
Well Pad Name: W	/DTN19

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:	West Virginia	UTM NAD 83	Easting:	556996.638	
County:	Monongalia	UTM NAD 83	Northing:	4393926.766	
District:	Batelle	Public Road Acce	ess:	Wise Run Road/CR 6	
Quadrangle:	Wadestown	Generally used fa	irm name:	CNX	
Watershed:	Dunkard Creek				

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 by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE ONLY
□ 1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
□ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ■ NO PLAT SURVEY WAS CONDUCTED	RECEIVED
3. NOTICE OF INTENT TO DRILL OF NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OF	RECEIVED/ NOT REQUIRED
WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
4. NOTICE OF PLANNED OPERATION	RECEIVED
5. PUBLIC NOTICE	□ RECEIVED
6. NOTICE OF APPLICATION	RECEIVED

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 Sach Window, 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	nil	Canonsburg, PA 15317
Its:	Manager Permitting Services	Facsimile:	
Telephone:	724-485-3244	Email:	SarahWeigand@cnx.com
	NOTARY SEAL onwealth of Pennsylvania - Notary Seal JACOB C YOUNG - Notary Public Wasnington County / Commission Expires June 4, 2026 Commission Number 1333900	Subscribed and swo Jacob C My Commission Es	prin before me this 26° day of \overline{July} , 2022 . \overline{Joung} Notary Public xpires $6/4/2026$

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.

WW-6A (9-13)

OPERATOR WELL NO. WDTN19RHSM Well Pad Name: WDTN19

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.

	e of Notice. Ba	te Permit Application Filed: 777777
V	PERMIT FOR ANY WELL WORK	CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT
Del	ivery method pursuant to	o West Virginia Code § 22-6A-10(b)

PERSONAL	□ REGISTERED	METHOD OF DELIVERY THAT REQUIRES A
SERVICE	MAIL.	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)	COAL OWNER OR LESSEE
Name: CNX Gas Company LLC	Name: see attached
Address: 1000 CONSOL Energy Drive	Address:
Canonsburg, PA 15317	
Name:	COAL OPERATOR
Address:	Name:
	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	
Name: Barbara S Shriver	SURFACE OWNER OF WATER WELL
Address: 70 Wise Run Road	AND/OR WATER PURVEYOR(s)
Wana, WV 26590	Name: see attached
Name:	Address:
Address:	
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
□ SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	
	*Please attach additional forms if necessary

WW-6A (8-13)

OPERATOR WELL NO. WDTN19RHSM Well Pad Name: WDTN19

API NO. 47

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

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



WW-6A (8-13)

4706101905

API NO. 47-____

OPERATOR WELL NO. WDTN19RHSM 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), (c) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

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

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

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.

WW-6A (8-13)

4706101905

OPERATOR WELL NO. WDTN19RHSM Well Pad Name: WDTN19

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-

<u>Permits/Pages/default.aspx</u> 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.

WW-6A (8-13)

API NO. 47 70 6 10 1 9 0 5

OPERATOR WELL NO. WDTN19RHSM Well Pad Name: WDTN19

Notice is h Well Operat	ereby given by: Jack U	ricen
Telephone:		8
Email: Sarah	Weigand@cnx.com	

Address: 1000 CONSOL Energy Drive, Canonsburg, PA 15317

Facsimile:

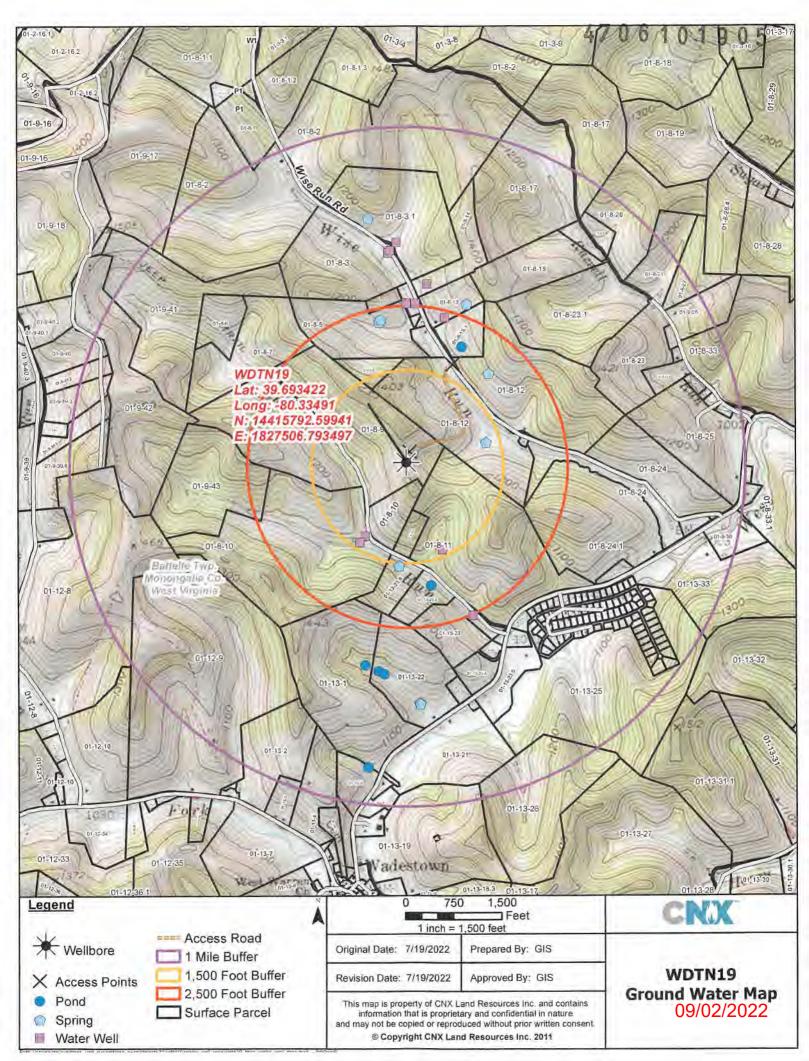
Oil and Gas Privacy Notice:

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

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

Subscribed and sworn before me this 26^{th} day of \overline{July}	, 2022 .
Gacol C Young	Notary Public
My Commission Expires 6/4/2026	

WDTN19RHSM 6A Noti	ces
Surface Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Surface Owner (Road and/or Other Disturbance)	Address
Barbara S Shriver	70 Wise Run Road Wana, WY 26590
PGH Coal Seam	
Coal Owner	Address
CONSOL RCPC LLC	Attn: Casey Saunders 275 Technology Drive Suite 101 Canonsburg, PA 15317-9565
All Other Coal Seams	
Coal Owner	Address
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317
Kathryn W. Becker 819 NE 128th Sti Seattle, WA 981	
Deborah W. Manning	P.O. Box 895 Plymouth, CA 95669
Elizabeth W. March	P.O. Box 82 Bally, PA 19503
George Cummins Jr.	31 Atisvgi Court Brevard, NC 28712
Water Wells w/in 1500'	
Barbara S Shriver	70 Wise Run Road Wana, WV 26590
Troy David Beckner & Janet Lee Smith (Life- Mary Jane Beckner)	11 Mona Lane Wana, WV 2659
Rodney Henry	200 East St. Carmichaels, PA 153



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: 7/26/22	Date Permit Application Filed: 7/27/22

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

HAND	CERTIFIED MAIL
DELIVERY	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	Name:
Address: 1000 CONSOL ENERGY DRIVE	Address:
CANONSBURG, PA 15317	
CANONOBORG, FA 13317	

Notice is hereby given:

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

State:	WEST VIRGINIA	LITMANAD 82 Easting	g: 556996.638
County:	MONONGALIA	UTM NAD 83 Northi	ng: 4393926.766
District:	BATELLE	Public Road Access:	WISE RUN ROAD/ CR6
Quadrangle:	WADESTOWN	Generally used farm nan	ie: CNX
Watershed:	DUNKARD CREEK		

This Notice Shall Include:

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

Notice is hereby given by:

Well Operator:	CNX Gas Company LLC	Authorized Representative:	Sarah Weigand
Address:	1000 CONSOL Energy Drive	Address:	1000 CONSOL Energy Drive
Canonsburg, PA 15	317	Canonsburg, PA 15317	
Telephone:	724-485-3244	Telephone:	724-485-3244
Email:	SarahWeigand@cnx.com	Email:	SarahWeigand@cnx.com
Facsimile:	- Nard Weigens	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 <u>depprivacyofficer@wv.gov</u>.



WDTN19RHSM 6A4	1 Notices
Surface Owner	Address
	1000 Consol Energy Drive
CNX Gas Company LLC	Canonsburg, PA 15317

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: 1/20/2020 Date Permit Application Filed: 7/20/202

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

Notice is hereby given:

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

State:	West Virginia	LITMINIAD 92	Easting:	556996.638	
County:	Monongalia	UTM NAD 83	Northing:	4393926.766	
District:	Batelle	Public Road Acce	ess:	Wise Run Road/CR 6	
Quadrangle:	Wadestown	Generally used fa	rm name:	CNX	
Watershed:	Dunkard Creek				

This Notice Shall Include:

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

Well Operator:	CNX Gas Company LLC	Address:	1000 CONSOL Energy Drive
Telephone:	724-485-3244	1	Canonsburg, PA 15317
Email:	SarahWeigand@cnx.com	Facsimile:	
01 10 P			

Oil and Gas Privacy Notice:

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

WDTN19RHSM 6A5 N	otices	
Surface Owner	Address	
	1000 Consol Energy Drive	
CNX Gas Company LLC	Canonsburg, PA 15317	

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

1, Sapah Wugand, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through ______, including the erosion and sediment control plan, if

State:	WEST VIRGINIA	LITA NAD 82	Easting:	556996.638	
County:	MONONGALIA	UTM NAD 83	Northing:	4393926.766	
District:	BATELLE	Public Road Acc	cess:	Wise Run Road/CR 6	
Quadrangle:	WADESTOWN	Generally used f	farm name:	CNX	
Watershed:	DUNKARD CREEK				

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	FOR EXECUTION BY A NATURAL PERSON
SURFACE OWNER	Signature:
□ SURFACE OWNER (Road and/or Other Disturbance)	Print Name: Date:
□ SURFACE OWNER (Impoundments/Pits)	FOR EXECUTION BY A CORPORATION, ETC.
COAL OWNER OR LESSEE	Company: CNX GAS COMPANY LLC
COAL OPERATOR	By: Sarah Weigand Its: Permitting Services Manager
□ WATER PURVEYOR	Signature: Darde Melemil
□ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date:

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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

D. Alan Reed, P.E. State Highway Engineer Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

April 5, 2022

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

Subject: DOH Permit for the WDTN19 Pad, Monongalia County WDTN19RHSM 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.

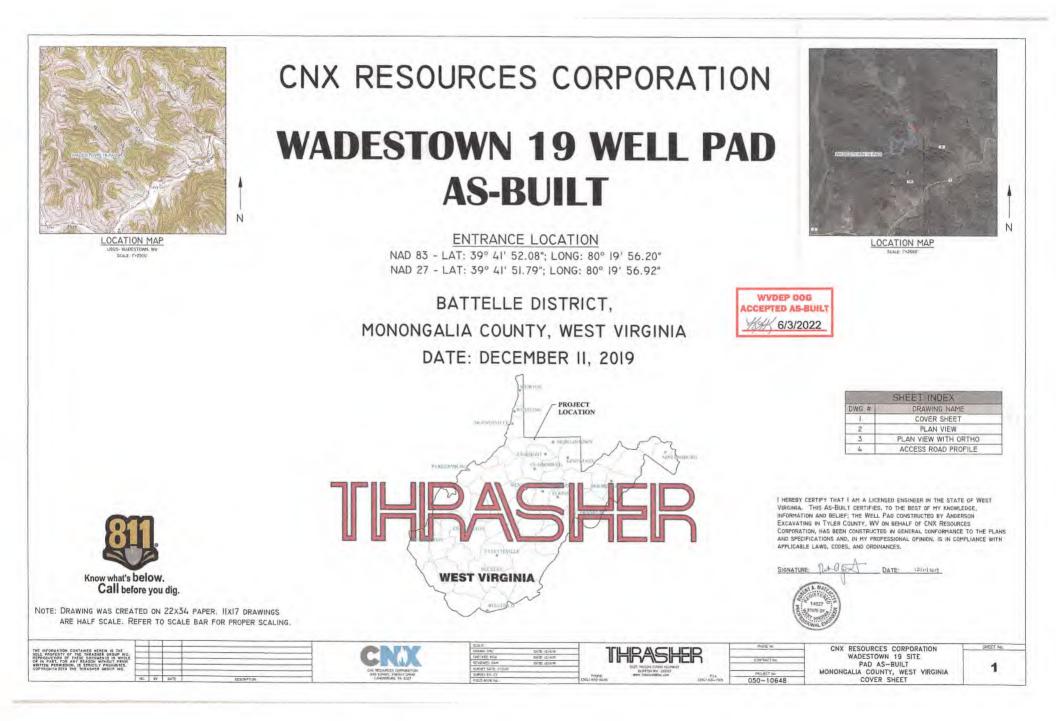
Very Truly Yours,

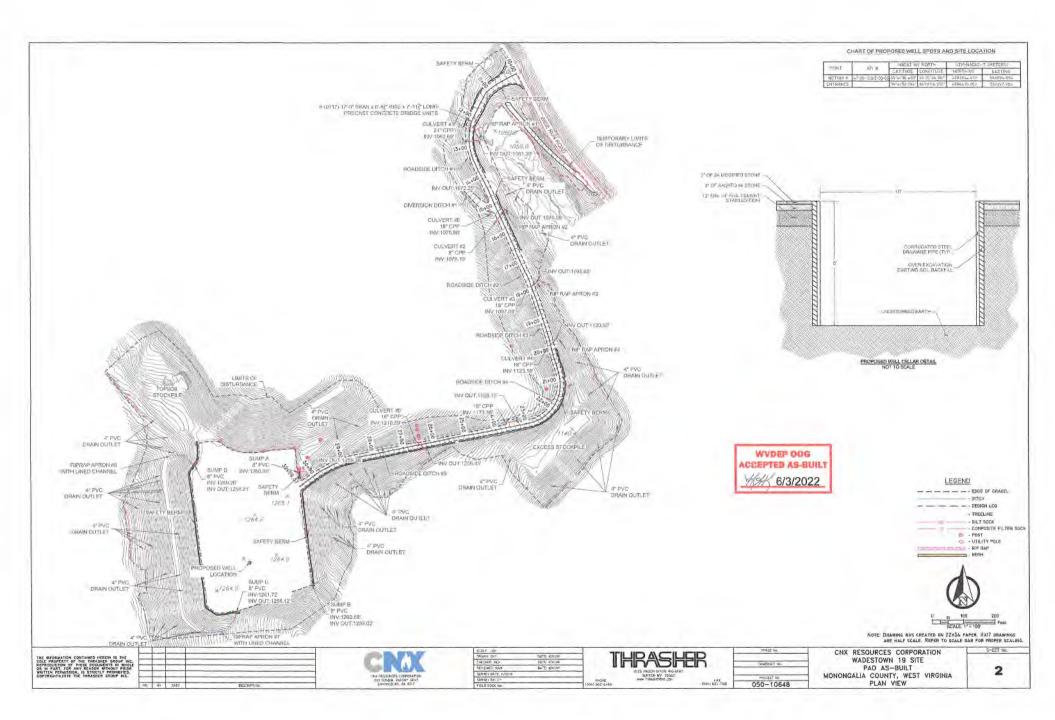
Dary & Clayton

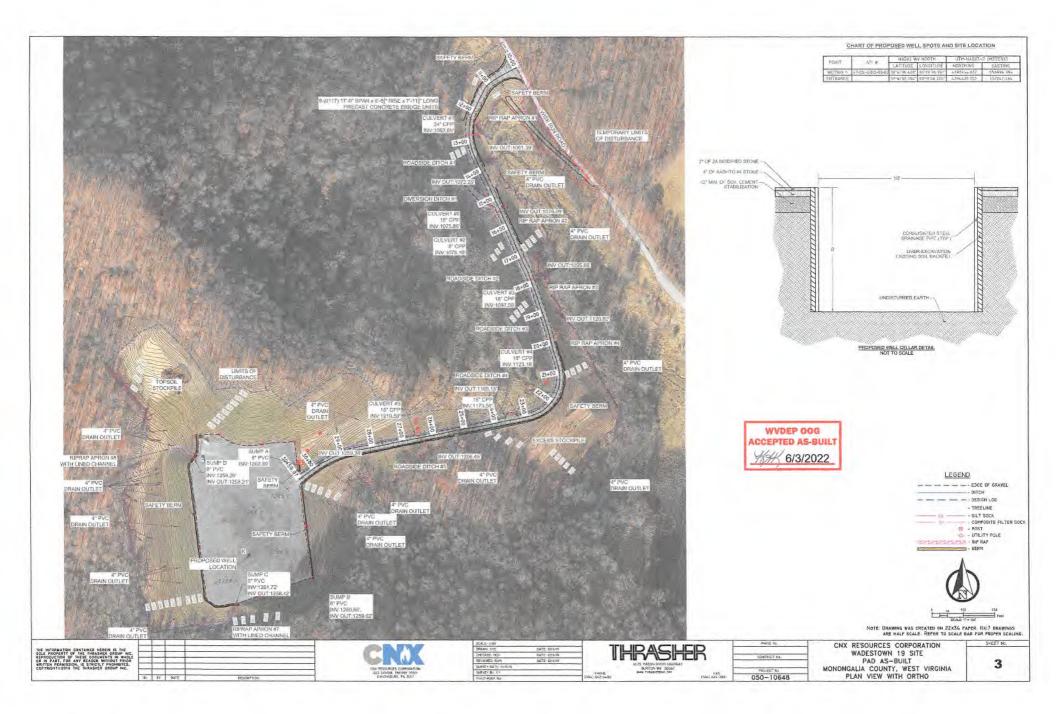
Gary K. Clayton, P.E. Regional Maintenance Engineer Central Office O&G Coordinator

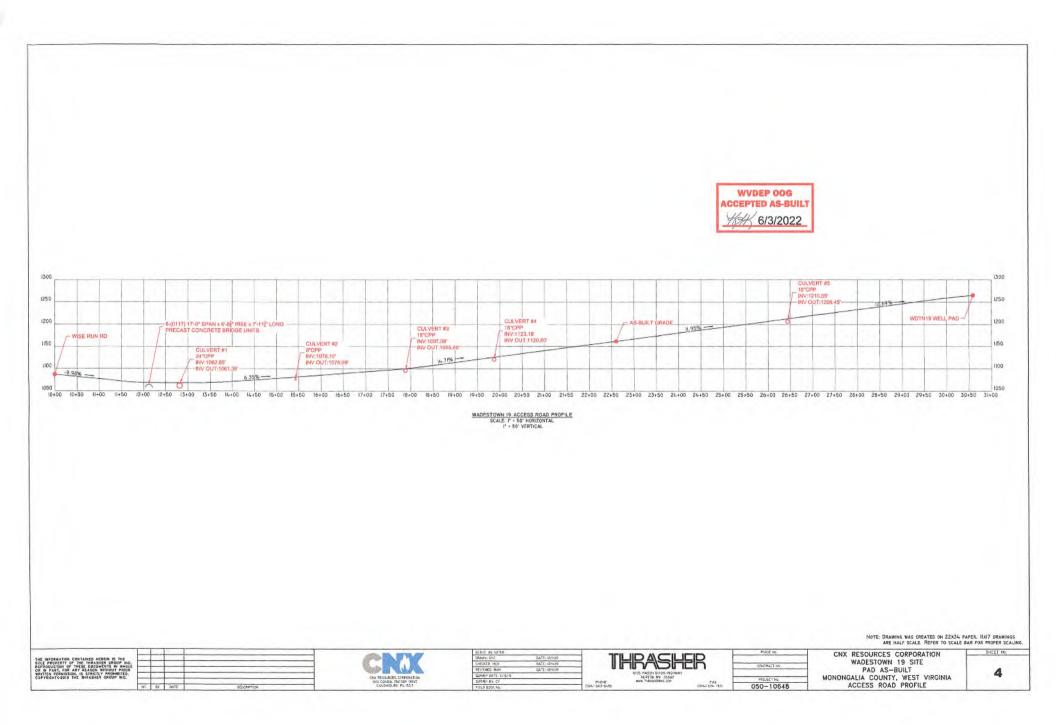
Cc: Becky Zachwieja CNX Gas Company LLC CH, OM, D-4 File

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	f	Ethoxylated alcohols	68213-23-0	3.00%
Clearal 268	CHEMSTREAM	Biocide	Glutaraldehyde	111-30-8	10-20%
citular 200	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%











west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 Fax: (304) 926-0452 Austin Caperton, Cabinet Secretary dep.wv.gov

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

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

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

INTRODUCTION

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

FINDINGS OF THE CHIEF

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

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

09/02/2022

CONCLUSIONS OF LAW

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

Order No. 2018-W-8 Page 2



ORDER

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

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

JAMES A. MARTIN, CHIEF By: 🖌

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