



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

Tuesday, November 4, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

CNX GAS COMPANY LLC
1000 HORIZON VUE DR.

CANONSBURG, PA 15370

Re: Permit Modification Approval for WDTN18 KHSM
47-061-02003-00-00

Lateral Extension

CNX GAS COMPANY LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

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


H. Jason Harmon
Acting Chief

Operator's Well Number: WDTN18 KHSM
Farm Name: CONSOL MINING COMPANY LLC
U.S. WELL NUMBER: 47-061-02003-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/04/2025

Promoting a healthy environment.

11/07/2025

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

1) Well Operator: CNX GAS COMPANY LLC 494458046 MONONGA BATTEL WADESTOWN
Operator ID County District Quadrangle

2) Operator's Well Number: WDTN18KHSM Well Pad Name: WDTN18

3) Farm Name/Surface Owner: CONSOL MINING CO. LLC Public Road Access: CAMP RUN ROAD, CR 4

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

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

(b) If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No YES

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):

Target formation is Marcellus Shale @ 7814' - 7867' TVD, 53' thick, expected formation pressure ~4600 psi

8) Proposed Total Vertical Depth: 7847' TVD at TD, depending on formation dip

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

10) Proposed Total Measured Depth: 25,927' MD at TD

11) Proposed Horizontal Leg Length: 17,543'

12) Approximate Fresh Water Strata Depths: 103', 111', 190', 243', 259', 325', 399'

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

14) Approximate Saltwater Depths: 2415', 3045', 3210'

15) Approximate Coal Seam Depths: 448'-449', 538'-539', 612'-614', 614'-618', 873'-878', 978'-984'

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

17) Does Proposed well location contain coal seams

directly overlying or adjacent to an active mine? Yes _____ No X

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

Depth: _____

Seam: _____

Owner: _____

RECEIVED
Office of Oil and Gas

OCT 29 2025

WV Department of
Environmental Protection

Robert J. Hitt

10-24-25

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New	L/S	<94.0	69	40 ✓	127 / CTS
Fresh Water	13.375	New	J-55	54.5	1,124	1,095 ✓	783 / CTS
Coal	13.375	New	J-55	54.5	1,124	1,095	783 / CTS ✓
Intermediate	9.625	New	J-55	36	2,768	2,739	896 / CTS
Production	5.5	New	P-110	20	25,927	25,898 ✓	4720 / TOC @ 4000'
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	26	.375	N/A	N/A	Type 1	1.18
Fresh Water	13.375	17.5	.380	2,730	<500	Class A	1.19
Coal	13.375	17.5	.380	2,730	<500	Class A	1.19
Intermediate	9.625	12.25	.352	3,520	<2,815	Class A	1.19
Production	5.5	8.75 x 8.5	.415	14,340	~11,000	Class A or H	1.10
Tubing	2.375	N/A	.190	7,700	N/A	N/A	N/A
Liners							

RECEIVED
Office of Oil and Gas

OCT 29 2025

PACKERS

WV Department of
Environmental Protection

Kind:	N/A			
Sizes:				
Depths Set:				

Robert J. Hitt
10-24-25

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 the FW/coal casing will be set just above elevation - the casing will NOT be set below ground level (setting depth to isolate sloughing formations and red beds below the Pittsburgh Coal Seam). Air drill 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 (geosteering 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:

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 28.06

RECEIVED
Office of Oil and Gas
OCT 29 2025

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

23) Describe centralizer placement for each casing string:

WV Department of
Environmental Protection

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 rigid/bow spring centralizers. Production string: centralize every joint from shoe to TOC - utilize single piece/rigid bow centralizers. Actual centralizer placement may be changed based on hole conditions.

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

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

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

Robert F. Hitt
10-24-25



DRILLING WELL PLAN
WDTN-18K-HSM (Marcellus HZ)
Marcellus Shale Horizontal
Monongalia County, WV

Ground Elevation		1199' GL Elevation		WDTN-18K-HSM SHL			N 434761.8, E 1758403.3 (NAD27)						
Azimuth		145°		WDTN-18K-HSM LP			N 434797.89, E 1759798.1 (NAD27)						
WELLBORE DIAGRAM				WDTN-18K-HSM BHL			N 420428.22, E 1769859.85 (NAD27)						
		HOLE	CASING	GEOLOGY	Tops (RKB)		MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS		
	24"	20" L/S	Soil and Rock	MD	MD								
			Conductor	69	69	AIR	To Surface	N/A	N/A	Stabilize surface fill/soil			
	17-1/2"	13-3/8" 54.5# (12.62"ID) J-55 BTC	DFGW		208	AIR / FW Mist	15.8 ppg Class A + 1% to 3% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Ensure the hole is clean at section TD	Set through fresh water zones Set through coal zones Cemented to surface 13-3/8" shoe NOT to be set deeper than ground level			
		Waynesburg Coal		566									
		Pittsburgh Coal (Solid)		1,006									
			FW/Coal Casing	1,124	1,124								
	12-1/4"	9-5/8" 36.0# (8.921" ID) J-55 LTC	Upper Freeport Coal		1,579	AIR / Soap	15.8 ppg Class A + 0% to 2% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Soap the hole as needed and ensure the hole is clean at section TD	Set through potential salt water zones Cemented to surface Casing to be set ~200'-250' below the Big Injun base			
			Lower Freeport Coal		1,619								
			Middle Kittanning Coal		1,743								
			Big Lime		2,217								
			Keener Sand		2,297								
			Big Injun Sand		2,443								
			Price Formation		2,531								
		Intermediate Casing	2,768	2,768									
	8-3/4" Tangent	5-1/2" 23.0# P-110 VAR	50 Foot		2,832	AIR	15.0 ppg Class A 50:50 Poz with additives (retarder, suspension agent, gas block, defoamer, fluid loss, extender, etc.) 10% OH Excess Yield = 1.07 TOC @ >= 200' above 9-5/8" shoe	Centralize every joint from shoe to KOP -TOC Single-piece/rigid bow centralizers	Once at TD, circulate at max flowrate with max rotation until shakers clean-up (typically requires multiple bottoms-up) Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement	Note: For all strings, actual centralizer placements may be changed due to hole conditions Note: For all strings, actual cement blends may vary slightly depending upon service company utilized			
			Gordon		3,143								
			Fifth		3,242								
			Bayard		3,269								
			Elks		5,596								
			Rhinestreet		6,922	12.0-12.5 ppg SOBM							
	Burkett			7,609									
	Tully			7,641									
	Hamilton			7,678									
	Marcellus			7,814									
	Production Casing		25,927	7,847									

LP @ +/- 8384' MD
7847' TVD

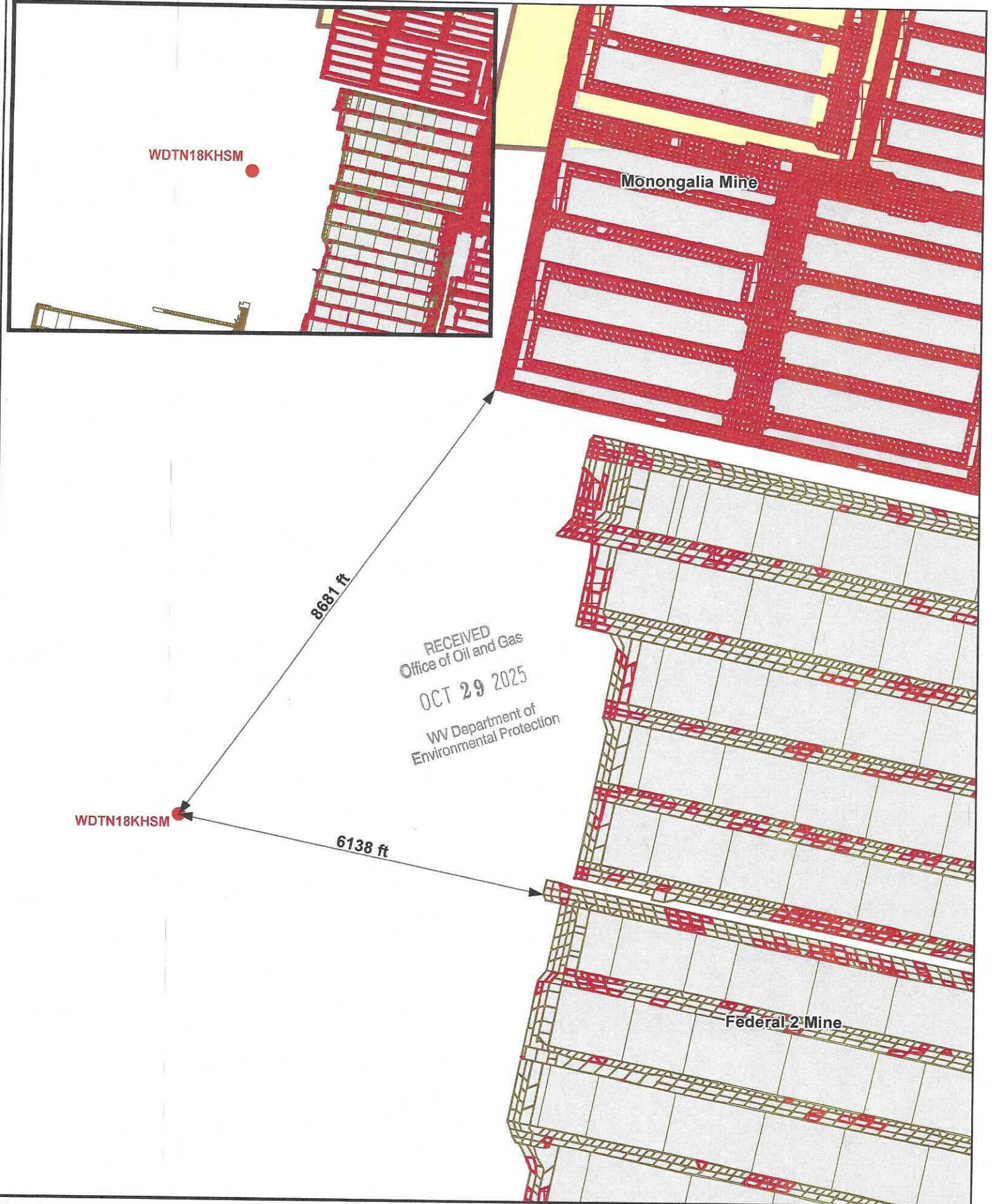
8-3/4" x 8-1/2" Hole - Cemented Long String
5-1/2" 23.0# P-110 VAR

+/- 17543' Lateral

TD @ +/- 25927' MD
7847' TVD

WV Department of
Environmental Protection


RECEIVED
Office of Oil and Gas
OCT 29 2025



Legend

- Well Location
- Mine Workings
- Mined Out
- ▤ Remaining Coal
- Active Permit



	
Date: 2/10/2025	Prepared By: GIS
Revisions:	Approved By:
This map is property of CNX Resources Corp. and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.	

CNX

11/07/2025

WDTN18KHSM

Mine Map



WDTN18_M2 Pad Area of Review

In accordance with WVDEP 35CSR8 Section 5.11, all known oil and gas wells have been identified within a 500' radius of the WDTN18_M2 (southern laterals) pad. Any well that falls within the Area of Review (AOR) has been reviewed and is provided in a list that includes API, Operator, Well Name, Well Number, Status, Formation at TD, Total Depth, and Lat/Long (see Figures 3 and 6).

The Marcellus Shale of the Wadestown area is found at an approximate True Vertical Depth (TVD) of 7900'. In the Wadestown area, there were very few wells that produced from formations deeper than the Bayard Sand (approximately 3700'). With that being said, there are six (6) wells that reach a total depth within 1500 vertical feet of the Marcellus Shale. Based on our experience with frac communication and shallow wells, CNX Geology feels that it is highly unlikely for communication to occur with any wells producing in the area above the WDTN18_M2 Pad.

The current hypothesis for Shallow Oil and Gas (SOG) Communication is that Marcellus frac fluids and pressure intersect and migrate up a nearby fault that acts as a conduit for upward migration and intersection with high permeability reservoirs of the Alexander and Benson. These reservoirs are not developed in the Wadestown. Geomechanical data is collected from dipole sonic logs. CNX's nearest sonic data is from the NV20CCV well (Figure 4), approximately 21.4 miles north of the WDTN18 pad. Frac modeling (Figure 5) of the Marcellus in the area does not show significant upward frac growth.

There are six (6) CNX Marcellus lateral wells that lie within 500' of the proposed WDTN18_M2 wells. CNX Marcellus wells within 500' of the WDTN18_M2 laterals will be monitored and the Production Control Room (PCR) will set up alarms via CygNet for any abrupt casing pressure or water rate changes. Those variances are outlined below. If the CNX PCR receives an alarm, the process is to notify the production foreman and production engineer responsible for the pad so that they can analyze if a frac hit is imminent, or if the alarm is of little to no concern. Should a communication event occur that triggers WVDEP notification requirements, CNX will follow §35-8-9 (9.3.a).

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

There are no 3rd Party Marcellus lateral wells that lie within 500' of the proposed WDTN18_M2 wells.

RECEIVED
Office of Oil and Gas

OCT 29 2025

WV Department of
Environmental Protection



Figure 1. Zero 3rd Party Marcellus wells lie within a 500' buffer around the proposed WDTN18_M2 laterals, producing from the Marcellus Shale, shown below.

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

Figure 2. Six CNX wells producing from formations within 1500' above or below the Marcellus Shale and within 500' of proposed WDTN18_M2 laterals.

Well Name/API	Formation	Operator	Orientation	Within Zone of Influence	TVD Depth (ft)
WDTN18AHSM (47-061-01944)	Marcellus Shale	CNX	Horizontal	Yes	7853
WDTN18BHSM (47-061-01945)	Marcellus Shale	CNX	Horizontal	Yes	7867
WDTN18CHSM (47-061-01946)	Marcellus Shale	CNX	Horizontal	Yes	7877
WDTN18DHSM (47-061-01947)	Marcellus Shale	CNX	Horizontal	Yes	7884
WDTN18EHSM (47-061-01948)	Marcellus Shale	CNX	Horizontal	Yes	7893
WDTN18UHSM (47-061-01916)	Marcellus Shale	CNX	Horizontal	Yes	7890

RECEIVED
Office of Oil and Gas

OCT 29 2025

WV Department of
Environmental Protection

WDTN18_M2 Pad AOR / SOG Review

Thursday, October 23, 2025

Figure 3. 100 wells were found when the area within a 500' buffer around the WDTN18_M2 Pad was queried. 10 are Inactive Completed Status, 52 are Plugged and Abandoned, and 1 is Abandoned, 3 DUC (Drilled Uncompleted), 2 Permit Cancelled, 2 Permit Expired, 3 Permitted, 6 Producing, and 21 Unreported. The deepest well is 3740' and produces from the Bayard Sand. No known SOG Communication events have occurred in this area. The dashed red laterals in the figure below are Pittsburgh Coal seam horizontal laterals at very shallow depths.

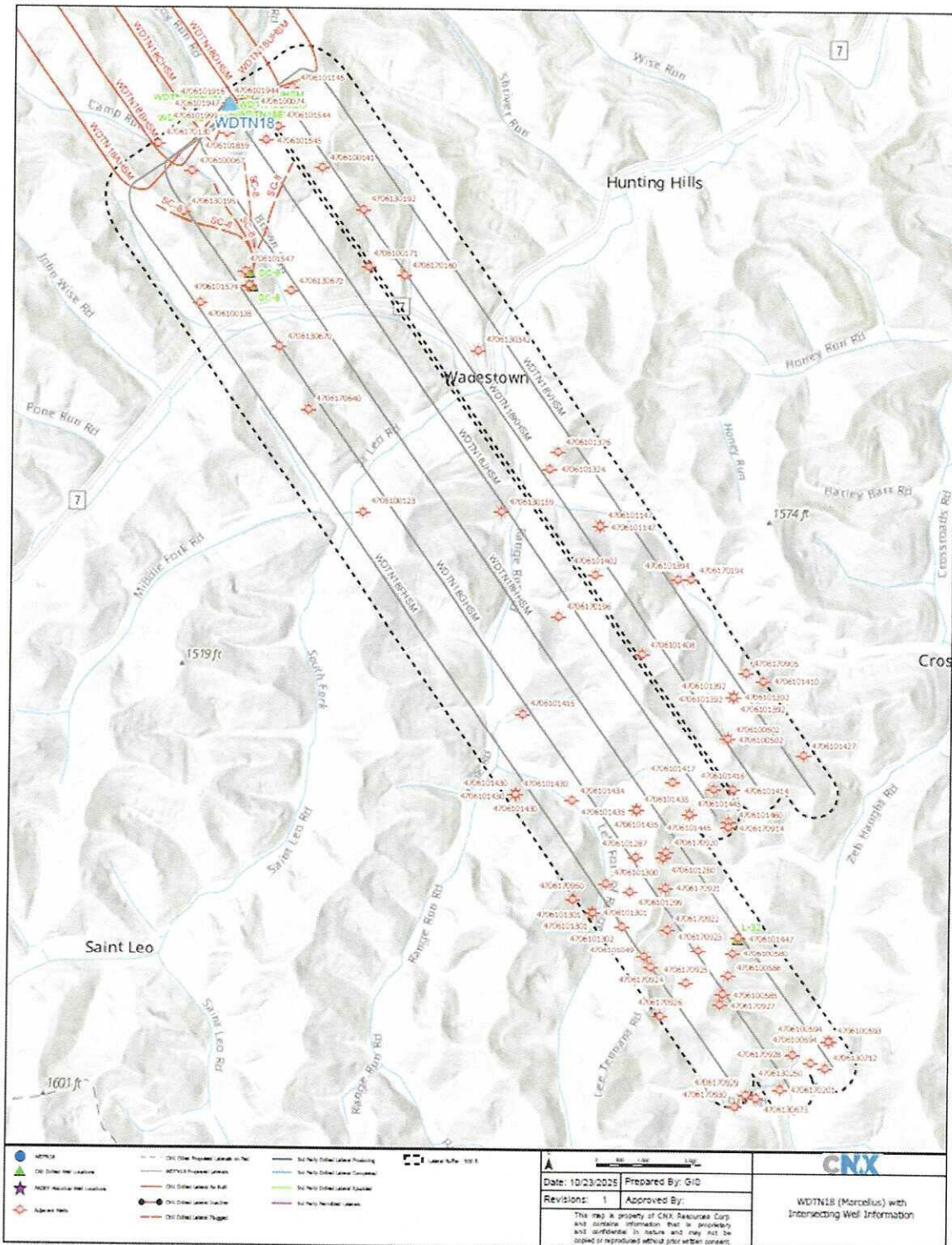
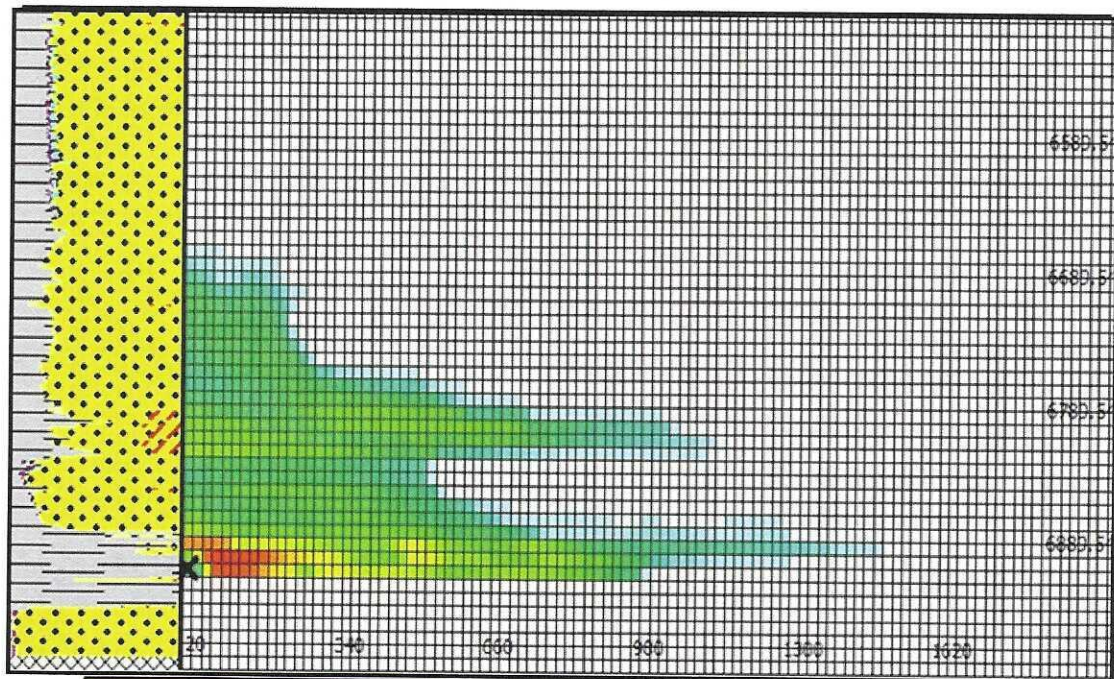


Figure 4. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the Wadestown Area Stress Profile log.



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



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

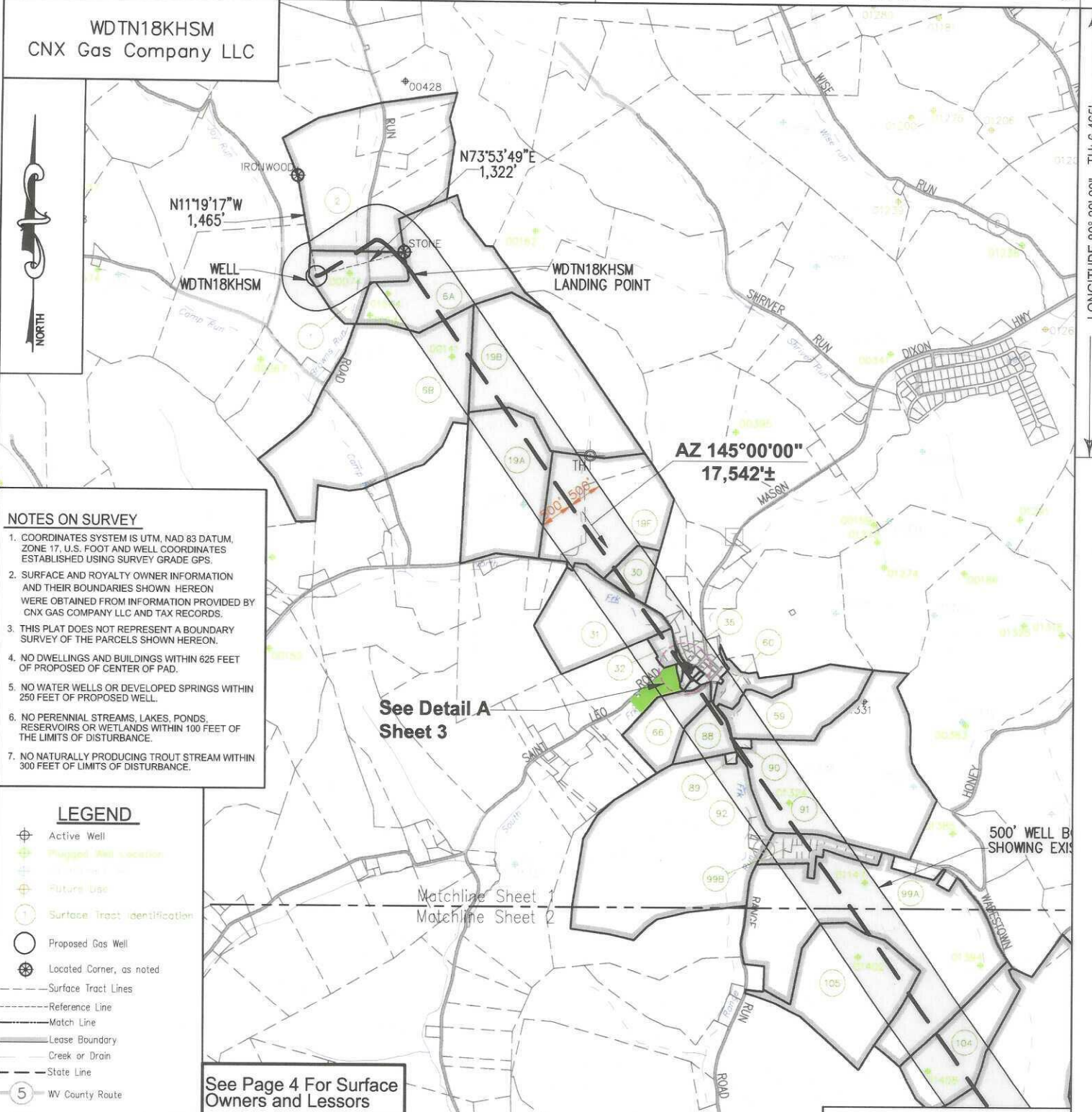
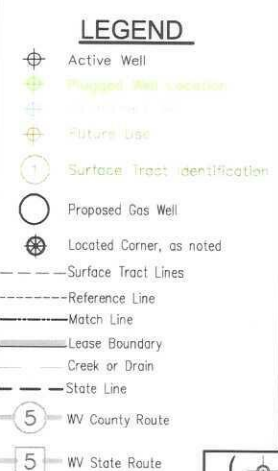




RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

WDTN18_M2 Pad AOR / SOG Review

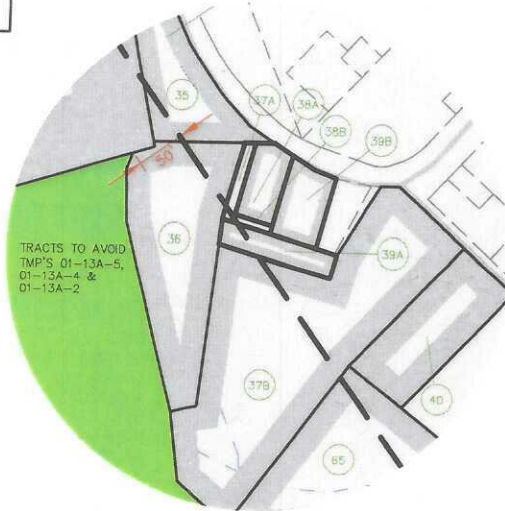
Thursday, October 23, 2025

Figure 3. 100 wells were found when the area within a 500' buffer around the WDTN18_M2 Pad was queried. 10 are Inactive Completed Status, 52 are Plugged and Abandoned, and 1 is Abandoned, 3 DUC (Drilled Uncompleted), 2 Permit Cancelled, 2 Permit Expired, 3 Permitted, 6 Producing, and 21 Unreported. The deepest well is 3740' and produces from the Bayard Sand. No known SOG Communication events have occurred in this area. The dashed red laterals in the figure below are Pittsburgh Coal seam horizontal laterals at very shallow depths.

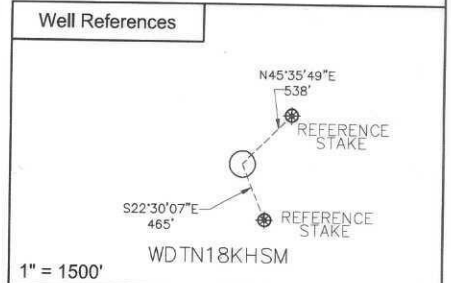
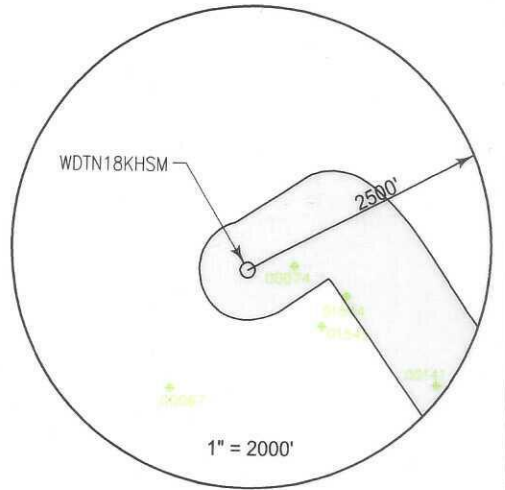
API Number	Well Name	Well Number	Operator	Well Type	Formation	Status	State	County	Latitude	Longitude	TVD Feet
4706101376	WEWV 05469	05469	CONSOL	WV	ABANDONED		WV	MONONGALIA	39.670969	-80.332943	
4706102000	CONSOL MINING COMPANY LLC WDTN18 GHSM	WDTN18 GHSM	CNX	GAS	MARCELLUS FORMATION	DUC	WV	MONONGALIA	39.6905937	-80.358394	
4706102001	CONSOL MINING COMPANY LLC WDTN18 HSHM	WDTN18 HSHM	CNX	OTHER	MARCELLUS FORMATION	DUC	WV	MONONGALIA	39.6906484	-80.3583894	
4706102002	CONSOL MINING COMPANY LLC WDTN18 HJSM	WDTN18 HJSM	CNX	GAS	MARCELLUS FORMATION	DUC	WV	MONONGALIA	39.6906446	-80.3583185	
4706101545	TERRA FIRMA COMPANY SC8A	SC12A	DIVERSIFIED ENERGY	CBM	PITTSBURGH COAL	INACTIVE COMPLETED	WV	MONONGALIA	39.686001	-80.355512	1210
4706101592		SC 8A	DIVERSIFIED ENERGY	CBM	PITTSBURGH COAL	INACTIVE COMPLETED	WV	MONONGALIA	39.686422	-80.355551	1250
4706103072	R S & E CLOVIS		BEREN, I. H.	GAS	BIG INJUN (PRICE&EQ)	INACTIVE COMPLETED	WV	MONONGALIA	39.691116	-80.347558	2550
4706103159	W CMASON I		INTERSTATE PIPE & SUPPLY	OIL	GORDON	INACTIVE COMPLETED	WV	MONONGALIA	39.635281	-80.312812	3138
4706101590	M J & J L GARRISON		MOORE, D. K., ETAL	GAS	BAYARD	INACTIVE COMPLETED	WV	MONONGALIA	39.680188	-80.3534	3278
4706103042			CARNEGIE NATURAL GAS CO	OIL & GAS	FOURTH	INACTIVE COMPLETED	WV	MONONGALIA	39.667377	-80.337073	3292
4706101301			BP	OTHER	FOURTH	INACTIVE COMPLETED	WV	MONONGALIA	39.651382	-80.325252	3310
4706101305	PITTSBURGH & WV GAS		OPER IN MIN OWNER FLD NO CODE ASSGN(ORPHAN WELL PROJ)	GAS	FFTH	INACTIVE COMPLETED	WV	MONONGALIA	39.670852	-80.339137	3381
4706101447	MAHLON TENNANT HEIRS 1		MANUFACTURERS LIGHT & HEAT CO	OTHER	FFTH	INACTIVE COMPLETED	WV	MONONGALIA	39.688388	-80.363724	3432
4706101544	CONSOLIDATION COAL COMPANY L-32	L-32	CNX	GAS	BAYARD	INACTIVE COMPLETED	WV	MONONGALIA	39.684778	-80.361658	3477
4706101544	CONSOLIDATION COAL COMPAN SC12	SC12	DIVERSIFIED ENERGY	CBM	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.642677	-80.318475	1020
4706101301	BREIDING, GEORGE D. 4146	4146	CONSOLIDATION COAL COMPANY	GAS	GORDON	P & A	WV	MONONGALIA	39.643902	-80.325657	1210
4706101301	BREIDING, GEORGE D. 4146	4146	CONSOLIDATION COAL COMPANY	GAS	GORDON	P & A	WV	MONONGALIA	39.643902	-80.329506	2329
4706101301	BREIDING, GEORGE D. 4146	4146	CONSOLIDATION COAL COMPANY	GAS	GORDON	P & A	WV	MONONGALIA	39.643902	-80.329506	2329
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA	39.650678	-80.319243	2452
4706101392	GODBY, MICHAEL W. F2-448	F2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	PITTSBURGH COAL	P & A	WV	MONONGALIA			

WDTN18KHSM CNX Gas Company LLC		LATITUDE 39° 42' 30" TH: 7,030'	
		LONGITUDE 80° 20' 00" TH: 6,465'	
NOTES ON SURVEY 1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS. 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM INFORMATION PROVIDED BY CNX GAS COMPANY LLC AND TAX RECORDS. 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. 4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD. 5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL. 6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE. 7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.			
LEGEND 		See Detail A Sheet 3 See Page 4 For Surface Owners and Lessors () Denotes Location of Well on United States Topographic Maps	
		<p>I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.</p> <p> L. L. S. 2394</p>	
		SEAL	
FILE NO: DRAWING NO: SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: 1:2500 PROVEN SOURCE OF ELEVATION: NGS CORS Station		STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION 	
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL (IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown DISTRICT: Battelle COUNTY: Monongalia		DATE: OCTOBER 16 20 25 OPERATORS WELL NO: API WELL NO 47 - 061 - 02003 STATE COUNTY PERMIT	
SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ± ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ± PROPOSED WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,847'			
WELL OPERATOR: CNX Gas Company LLC ADDRESS: 1000 Horizon Vue Drive Canonsburg, PA 15317		DESIGNATED AGENT: Anthony Kendziora ADDRESS: 111 Avondale Road Fairmont, WV 26554	

WDTN18KHSM CNX Gas Company LLC		LATITUDE 39° 40' 00" BH: 7,175'	
		AZ 145°00'00" 17,542±	
See Detail A Sheet 3		500' WELL BORE BUFFER SHOWING EXISTING WELLS	
NOTES ON SURVEY 1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS. 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM INFORMATION PROVIDED BY CNX GAS COMPANY LLC AND TAX RECORDS. 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. 4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD. 5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL. 6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE. 7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.		Matchline Sheet 1 Matchline Sheet 2	
LEGEND Active Well Proposed Gas Well Future Use Surface Tract Identification Proposed Gas Well Located Corner, as noted Surface Tract Lines Reference Line Match Line Lease Boundary Creek or Drain State Line WV County Route WV State Route		See Page 4 For Surface Owners and Lessors	
		() Denotes Location of Well on United States Topographic Maps	
I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.			
FILE NO: DRAWING NO: SCALE: 1" = 2000' MINIMUM DEGREE OF ACCURACY: 1:2500 PROVEN SOURCE OF ELEVATION: NGS CORS Station		STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL (IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input checked="" type="checkbox"/> SHALLOW LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown DISTRICT: Battelle COUNTY: Monongalia SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ± ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ± PROPOSED WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,847'		DATE: OCTOBER 16 20 25 OPERATORS WELL NO: API WELL NO 47 - 061 - 02003 STATE COUNTY PERMIT	
WELL OPERATOR: CNX Gas Company LLC ADDRESS: 1000 Horizon Vue Drive Canonsburg, PA 15317		DESIGNATED AGENT: Anthony Kendziora ADDRESS: 111 Avondale Road Fairmont, WV 26554	



DETAIL A
1" = 200'



SURFACE HOLE LOCATION (SHL)

UTM 17 NAD 83
N: 4393612.54
E: 555020.24
NAD 83, WV NORTH
N: 434799.170
E: 1726966.429
LAT/LON DATUM NAD 83
LAT: 39°41'26.095"
LON: 80°21'29.953"

LANDING POINT

UTM 17 NAD 83
N: 4393630.63
E: 555445.00
NAD 83, WV NORTH
N: 434835.237
E: 1728361.228
LAT/LON DATUM NAD 83
LAT: 39°41'26.583"
LON: 80°21'12.114"

WDTN18 WELL PAD

BOTTOM HOLE LOCATION (BHL)

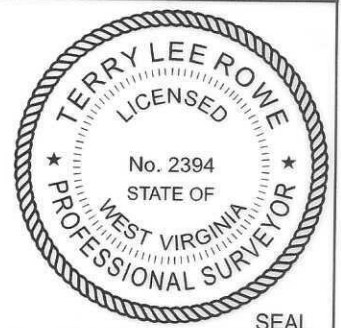
WDTN18HHSM ○ ○ WDTN18JHSM
WDTN18GHSM ○ ○ WDTN18KHSM
WDTN18FHSM ○ ○ WDTN18VHSM

UTM 17 NAD 83
N: 4389303.84
E: 558583.44
NAD 83, WV NORTH
N: 420465.406
E: 1738422.424
LAT/LON DATUM NAD 83
LAT: 39°39'05.490"
LON: 80°19'01.736"



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

L. L. S. 2394



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

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

DATE: OCTOBER 16 20 25
OPERATORS WELL NO: _____
API WELL NO
47 - 061 - 02003
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION ELEVATION: 1199' WATERSHED: Dunkard Creek QUADRANGLE: Wadestown
DISTRICT: Battelle COUNTY: Monongalia
SURFACE OWNER: Consol Mining Company LLC ACREAGE: 46.75 ±
ROYALTY OWNER: Bounty Minerals, LLC LEASE NO: 189033000 ACREAGE: 59.02 ±
PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 7,847'

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

TRACT ID	SURFACE OWNER	LESSOR	PIN
1	Consol Mining Company LLC	Eastern Associated Coal Corporation	1-9-38 1-9-37
2	Consol Mining Company LLC, et al	Ralph Six	1-9-39 1-9-39.1 1-9-39.2 1-9-39.3 1-9-39.4 1-9-39.5 1-9-39.6
		Antero Resources Corporation	
		Doris Margaret White	
		George Stephen Knight	
6A	CONSOL Mining Company LLC	Virgie Shriver, et al	1-12-8
		Eastern Associated Coal Corp.	
		CNX Gas Company LLC	
		Consolidation Coal Company	
6B	CONSOL Mining Company LLC	Virgie Shriver, et al	1-12-8
		Eastern Associated Coal Corp.	
		CNX Gas Company LLC	
		Consolidation Coal Company	
19A	Ralph Six	Bounty Minerals, LLC	1-12-9
		Bounty Minerals III Acquisitions, LLC	
		LOLA Drilling 1, LLC	
		Rice Drilling B, LLC	
		Rice Drilling B, LLC	
		SWS Holding LLC	
19B	Ralph Six	Bounty Minerals, LLC	1-12-9
		Bounty Minerals III Acquisitions, LLC	
		LOLA Drilling 1, LLC	
		Rice Drilling B, LLC	
		Rice Drilling B, LLC	
19F	Ralph Six, et al	Bounty Minerals, LLC	1-12-9 1-12-9.1 1-13-2
		Bounty Minerals III Acquisitions, LLC	
		LOLA Drilling 1, LLC	
		Rice Drilling B, LLC	
		Rice Drilling B, LLC	
30	Clarence E. Park, et ux	Clarence Earl Park and Linda Sue Park, husband and wife	1-13-3
31	John and Joann King Irrevocable Trust	Debra Lynn Lundgren	1-13-7
		EQT Production Company	
32	West Warren Baptist Church, et al	West Warren Baptist Church by its Trustees, Greg Shriver, Norman Core, and Tom Sanders	1-13A-6 1-13A-7 1-13A-7.1
35	Deken Wilson	Deken Wilson	1-13A-17
36	Timothy E. Russell, et ux	Donald L. White and Linda L. White, Husband and Wife	1-13A-21
37A	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	1-13A-21.1
37B	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	1-13A-21.1
38A	CNX Gas Company LLC	EDWIN RIFFLE, Trustee; LAWRENCE L. COOL, III, Trustee; and JOHN DUGAN, SR., Trustee; as Trustees of the MONONGALIA LODGE NO. 10, I.O.O.F., Controller of the CRUSADER LODGE NO. 422, I.O.O.F., and as Authorized Representatives for the GOLDEN GLOW REBEKAH LODGE NO. 299	1-13A-18
38B	CNX Gas Company LLC	EDWIN RIFFLE, Trustee; LAWRENCE L. COOL, III, Trustee; and JOHN DUGAN, SR., Trustee; as Trustees of the MONONGALIA LODGE NO. 10, I.O.O.F., Controller of the CRUSADER LODGE NO. 422, I.O.O.F., and as Authorized Representatives for the GOLDEN GLOW REBEKAH LODGE NO. 299	1-13A-18
39A	CNX Gas Company LLC	Roy L. Hall and Victoria J. Hall, husband and wife	1-13A-21.2
39B	CNX Gas Company LLC	Roy L. Hall and Victoria J. Hall, husband and wife	1-13A-19
40	John L. Miller, et ux	John L. Miller a/k/a Johnie L. Miller and Karen E. Miller a/k/a Karen Miller, husband and wife	1-13A-22
59	Daniel Altfather, et ux	Daniel Altfather and Sandra Barr Altfather, husband and wife	1-13-18.3
60	Brent Delaney, et al	Chad Delaney, a/k/a, Chad Allen Delaney Brent Delaney, a/k/a, Brent E. Delaney	1-13-18
		Dathan Lee Cottrill a/k/a Dathan Cottrill	
		Dacia M. Cottrell Fletcher a/k/a Dacia M. Cottrill Fletcher	
		Samara Jo Wesley a/k/a Samara Wesley f/k/a Samara Jo Cottrell Gump a/k/a	
		Angela Lemley f/k/a Angela Ione Echard	
		Northeast Natural Energy LLC	

11/07/2025

TRACT ID	SURFACE OWNER	LESSOR	PIN
65	John L. Miller, et ux	John L. Miller a/k/a Johnie L. Miller and Karen E. Miller a/k/a Karen Miller, husband and wife	1-13A-23
TRACT ID	SURFACE OWNER	LESSOR	PIN
66	Jessica L. Waddell, et al	Bounty Minerals LLC	1-13-11
TRACT ID	SURFACE OWNER	LESSOR	PIN
88	Gary W. Berkshire, et ux	West Warren Baptist Church by its Trustees, Greg Shriver, Norman Core, and Tom Sanders WVTD LLC	1-13-12
TRACT ID	SURFACE OWNER	LESSOR	PIN
89	Justin P. Walls, et ux	Debra L. Frazier and Bradley S. Frazier, her husband Terrance W. Mason and Joy L. Mason, his wife John Richard Hockenberry and Kathy Jo Hockenberry, his wife Brenda Michael Diane M. Morris Kathy Morgan n/k/a Kathy Sheehan Thomas L. Austin and Simona Austin, his wife Eugene Herrmann a/k/a Eugene Herrmann Jr. Maryjean Herrmann Kathy Chesney a/k/a Kathy B. Chesney Lori Mendiola Rodana D. Gorman Raymond Stiles Tammarra L. Mordecki and James Mordecki, her husband Paul Herrmann a/k/a Paul J. Herrmann Sr., and Mary Alice Herrmann, his wife Walter Kevin Huffman Linda D. Herrmann Franklin David Hockenberry a/k/a David Hockenberry and Debra S. Hockenberry, his wife Shari L. Rush Sharon Fox Bishop f/k/a Sharon Lynn Perkins Nancy Jo Perkins Sandra Lee Woods DWG Oil and Gas Acquisitions, LLC Jyll E. Park Linda L. Redmond Jimmie Wayne Redmond Barbara Joann Bowers Michael Joseph Bowers II a/k/a Michael Joseph Bowers Thomas Sollars and Martha Sollars, his wife Kelli Dawn Meeks Robert Yeater Seth Rush Stephen Franklin Bowers Timothy P. Hockenberry Lewis Lyn Mason Debra N. Straight Jami L. Wagner Jason Eric Straight Jimmy Douglas Straight, II Virginia Marie Griffin Michael Hockenberry Alan Howard Joyce Ann Hebb a/k/a Joyce Hebb James Jay Vassalo Melanie Marie Embry f/k/a Melanie Myers Key f/k/a Melanie Marie Myers f/k/a Melanie Myers Judith Ann Munkittrick Paulette Park Zachary L. Mason Gregory C. Mason Suzanne D. Cilliers Laura A. Mason Mark W. Mason Donna Tennant Lavere J. Mason Revocable Trust Northeast Natural Energy LLC Joyce Ann Hebb and Harold H. Hebb, her husband Deborah M. Murray and Ronald W. Murray, her husband Patricia A. Salvatore and Joseph E. Salvatore, her husband Connie C. Sutton Donna C. Miller Quentin Dale Knight Mark Howard Brad Howard and Mary Howard, his wife Brian Howard John D. Stiles a/k/a John Donley Stiles and Frances B. Stiles, his wife Josephine S. Rush and Zane Rush, her husband Clark Donley Stiles Gina Lou Smith Beth Ann Stiles Rouse Diane Marie Myers Pamela Poling and Richard A. Poling, her husband Margaret Anne Stiles Frank Donley Vassalo and Dorothy M. Vassalo, his wife Anita Kay Furfari and Nicholas Furfari, her husband Northeast Natural Energy LLC	1-13-14

11/07/2025

TRACT ID	SURFACE OWNER	LESSOR	PIN
90	Daniel Altfather, et ux	Sandra Barr, a/k/a Sandra Barr-Altfather and Daniel Altfather	1-13-13
TRACT ID	SURFACE OWNER	LESSOR	PIN
91	Donzel Walls, et al	Donzell Walls and Diana J. Walls, husband and wife	1-13-13 1-13-17
		CNG Producing Company	
		Dominion Exploration & Production, Inc.	
		Antero Resources Appalachian Corporation	
		Dominion Exploration & Production, Inc.	
		Consol Gas Company	
		Kathryn Rew Becker and Michael Compton, wife and husband	
TRACT ID	SURFACE OWNER	LESSOR	PIN
92	CNX RCPC LLC	Terrance W. Mason	1-13-15 1-13-15.1 1-13-15.2 1-13-15.3
		Debra L. Frazier	
TRACT ID	SURFACE OWNER	LESSOR	PIN
99A	Betty S. Baird	William E. King and M. Cynthia Barnhart, Trustees of the John and Joann King Irrevocable Trust dated December 19, 2019	1-18-3
		Masonic Charity Foundation of Oklahoma f/k/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma	
		Northeast Natural Energy LLC	
		EQT Production Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
99B	Beverly Brower, et al	William E. King and M. Cynthia Barnhart, Trustees of the John and Joann King Irrevocable Trust dated December 19, 2019	1-13-16 1-13-16.1 through 1-13-16.9 1-13-16.11 through 1-13-16.15 1-13-16.17
		Masonic Charity Foundation of Oklahoma f/k/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma	
		Northeast Natural Energy LLC	
		Northeast Natural Energy LLC	
		EQT Production Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
102	Michael W. Godby	EQT Production Company; Rice Drilling B, LLC	1-18-21
		Betty G. Mason, a widow	
		Margaret S. Ater and David A. Ater, wife and husband	
		Richard M. Snow	
		Robert A. Snow	
TRACT ID	SURFACE OWNER	LESSOR	PIN
104	Vernon L. Toothman, et ux	Vernon L. Toothman and Deborah J. Toothman, his wife	1-18-22
		LOLA Drilling I, LLC	
		Rice Drilling B LLC	
TRACT ID	SURFACE OWNER	LESSOR	PIN
105	Betty S. Baird	Northeast Natural Energy LLC	1-18-23.3
		EQT Production Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
126	Thomas E. Walker, et ux	William F. Reeder	1-18-40
		James B. Reeder	
		Margaret R. Ferguson, by her Attorney-in-Fact, Stephen Berkley Ferguson	
		Susan Reeder Ruffatto	
		Thomas Bradley Reeder, Trustee of the Reeder Living Trust of 2008	
		Carolyn R. Greiner, Trustee of the Carolyn R. Greiner Trust of 1999	
		Louise Reeder Seeton, Trustee of the Louise Reeder Seeton Trust, created August 17, 1993	
		Northeast Natural Energy LLC	
TRACT ID	SURFACE OWNER	LESSOR	PIN
128A	Raymond Benner, et ux	Shuman, Inc.	1-18-42
		NNE Properties II LLC	
		Ridgetop Appalachia LLC	
		Frank J. Failla, Jr.	
		Sam Failla	
		Bernice T. Cook	
		The Geraldine Holmes Living Trust	
		Elizabeth Gaylene Owen	
		Janice Harris	
		Amanda Hollis	
		Kathy Ferguson Tidd	
		Peter R. Roseberry	
		Marlene L. Shirey a/k/a Marlene Shirey	
		Richard L. Sharp	
		Larene Welch	
		Stephen L. Welch and Ellen B. Welch	
		Sonya R. Shrum	
		Miles Lee Holcomb, a/k/a Miles Lee Halcomb	
		Unknown Heirs and Assigns of Gary D. Tennant	
		Roberta Ann Diggs Herman	
		Northeast Natural Energy LLC	
		Equinor USA Onshore Properties Inc.	
		Northeast Natural Energy LLC	
		NNESP LLC	
		Northeast Natural Energy LLC	

11/07/2025

TRACT ID	SURFACE OWNER	LESSOR	PIN
129	Betty J. Martino	Roger D. Cole	1-18-43
		Gwendolyn J. Ketchum	
		Kenneth R. Tennant	
		Kurt W. Tennant	
		Tamara S. Roberts	
		Carl Kinder	
		Shirley Tennant Jautz	
		Janice Stutzman	
		Patricia Lee Van Gorder	
		Connie Horneker	
		Susan Dickey	
		Heirs and Assigns of Arlie J. Tennant, Jr.	
		Holly Lynn McCoy a/k/a Holly Lynn McCoy Nelson and Brett Nelson, wife and husband	
		James W. Tennant Irrevocable Supplemental Needs Trust, by Susan Dickey, Trustee	
		Northeast Natural Energy LLC	
		AMP IV, LP	
		CNX Gas Company LLC	
		Northeast Natural Energy LLC	
		Northeast Natural Energy LLC	

11/07/2025

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

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

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

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

RECEIVED
Office of Oil and Gas

OCT 29 2025

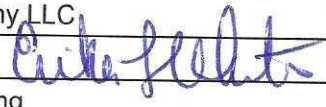
WV Department of
Environmental Protection

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

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

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

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

Well Operator: CNX Gas Company LLC
By: Erika Whetstone 
Its: Manager - Permitting

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
1	1-9-38 1-9-37	209327000	Consol Mining Company LLC	Eastern Associated Coal Corporation	CNX Gas Company LLC	Fee	1267/233
2	1-9-39 1-9-39.1 1-9-39.2 1-9-39.3 1-9-39.4 1-9-39.5 1-9-39.6	189009000 189019000 189020000 189021000 189022000 189023000 189024000	Consol Mining Company LLC, et al	Ralph Six	Antero Resources Corporation	Not less than 1/8	1781/354
			Antero Resources Corporation		CNX Gas Company LLC	Assignment	158/272
			Doris Margaret White George Stephen Knight		CNX Gas Company LLC CNG Gas Company LLC	Not less than 1/8 Not less than 1/8	1484/348 1482/438
6A	1-12-8	189034000	CONSOL Mining Company LLC	Virgie Shriver, et al Eastern Associated Coal Corp. CNG Gas Company LLC Consolidation Coal Company	Grantor, Lessor, etc	Royalty	Book/Page
					Eastern Associated Coal Corp. CNG Gas Company LLC Consolidation Coal Company CNG Gas Company LLC	Fee Deed Deed Deed	690/228 1267/233 1295/417 1300/2
6B	1-12-8	189034000	CONSOL Mining Company LLC	Virgie Shriver, et al Eastern Associated Coal Corp. CNG Gas Company LLC Consolidation Coal Company	Grantor, Lessor, etc	Royalty	Book/Page
					Eastern Associated Coal Corp. CNG Gas Company LLC Consolidation Coal Company CNG Gas Company LLC	Fee Deed Deed Deed	690/228 1267/233 1295/417 1300/2
19A	1-12-9	189650000	Ralph Six	Bounty Minerals, LLC Bounty Minerals III Acquisitions, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC Rice Drilling B, LLC	Grantor, Lessor, etc	Royalty	Book/Page
					LOLA Drilling 1, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC CNG Gas Company LLC CNG Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment	1586/4 1586/7 133/752 153/774 159/809
			SWS Holding LLC		CNG Gas Company LLC	Not less than 1/8	1731/823
19B	1-12-9	189650000	Ralph Six	Bounty Minerals, LLC Bounty Minerals III Acquisitions, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC Rice Drilling B, LLC	Grantor, Lessor, etc	Royalty	Book/Page
					LOLA Drilling 1, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC CNG Gas Company LLC CNG Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment	1586/4 1586/7 133/752 153/774 159/809
19F	1-12-9.1 1-12-9.2	189650000	Ralph Six, et al	Bounty Minerals, LLC	Grantor, Lessor, etc	Royalty	Book/Page
					LOLA Drilling 1, LLC	Not less than 1/8	1586/4
				Bounty Minerals III Acquisitions, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC Rice Drilling B, LLC		Not less than 1/8 Assignment Assignment Assignment	1586/7 133/752 153/774 159/809
30	1-13-3	205017000 300833000	Clarence E. Park, et ux	Clarence Earl Park and Linda Sue Park, husband and wife	Grantor, Lessor, etc	Royalty	Book/Page
					CNG Gas Company LLC	Not less than 1/8	1612/578

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

Pg 2 of 6

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
31	1-13-7	205022000	John and Joann King Irrevocable Trust	Debra Lynn Lundgren EQT Production Company	EQT Production Company CHX Gas Company LLC	Not less than 1/8 Assignment	1554/238 155/809
32	1-13A-6 1-13A-7 1-13A-7.1	258073000 258074000 241794000	West Warren Baptist Church, et al	West Warren Baptist Church by its Trustees, Greg Shriver, Norman Core, and Tom Sanders	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1644/156
35	1-13A-17	258082000	Deken Wilson	Deken Wilson	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1621/350
36	1-13A-21	241781000	Timothy E. Russell, et ux	Donald L. White and Linda L. White, Husband and Wife	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1612/615
37A	1-13A-21.1	241782000	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1612/603
37B	1-13A-21.1	241782000	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1612/603
38A	1-13A-18	241775000	CHX Gas Company LLC	EDWIN RIFFLE, Trustee; LAWRENCE L. COOL, III, Trustee; and JOHN DUGAN, SR., Trustee; as Trustees of the MONONGALIA LODGE NO. 10, I.O.O.F., Controller of the CRUSADER LODGE NO. 422, I.O.O.F., and as Authorized Representatives for the GOLDEN GLOW REBEKAH LODGE NO. 299	CHX Gas Company LLC	Royalty Fee	Book/Page 1618/23
38B	1-13A-18	241775000	CHX Gas Company LLC	EDWIN RIFFLE, Trustee; LAWRENCE L. COOL, III, Trustee; and JOHN DUGAN, SR., Trustee; as Trustees of the MONONGALIA LODGE NO. 10, I.O.O.F., Controller of the CRUSADER LODGE NO. 422, I.O.O.F., and as Authorized Representatives for the GOLDEN GLOW REBEKAH LODGE NO. 299	CHX Gas Company LLC	Royalty Fee	Book/Page 1618/23
39A	1-13A-21.2	258184000	CHX Gas Company LLC	Roy L. Hall and Victoria J. Hall, husband and wife	CHX Gas Company LLC	Royalty Fee	Book/Page 1635/798
39B	1-13A-19	258184000	CHX Gas Company LLC	Roy L. Hall and Victoria J. Hall, husband and wife	CHX Gas Company LLC	Royalty Fee	Book/Page 1635/798
40	1-13A-22	258189000	John L. Miller, et ux	John L. Miller a/k/a Johnie L. Miller and Karen E. Miller a/k/a Karen Miller, husband and wife	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1612/619
59	1-13-18.3	205012000	Daniel Altfather, et ux	Daniel Altfather and Sandra Barr Altfather, husband and wife	CHX Gas Company LLC	Royalty Not less than 1/8	Book/Page 1761/39

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
90	1-13-13	205024000	Daniel Altfather, et ux	Sandra Barr, a/k/a Sandra Barr-Altfather and Daniel Altfather	CNX Gas Company, LLC	Not less than 1/8	1645/107
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
91	1-13-13 1-13-17	205013000	Donzel Walls, et al	Donzel Walls and Diana J. Walls, husband and wife	CHG Producing Company	Not less than 1/8	1173/139
				CNG Producing Company Dominion Exploration & Production, Inc. Antero Resources Appalachia Corporation	Dominion Exploration & Production, Inc. Antero Resources Appalachia Corporation	Name Change Assignment	DE Secretary of State 102/787
				Antero Resources Appalachia Corporation Dominion Exploration & Production, Inc. Consolid Gas Company	Dominion Exploration & Production, Inc. Consolid Gas Company CNX Gas Company LLC	Assignment Name Change Merger	103/594 6077 2/424
			Kathryn New Becker and Michael Compton, wife and husband		CNX Gas Company LLC	Not less than 1/8	1646/405
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
92	1-13-15 1-13-15.1 1-13-15.2 1-13-15.3	205030000	CNX RCPC LLC	Terrance W. Mason	CNX Gas Company LLC	Not less than 1/8	1523/115
			Debra L. Frazier		CNX Gas Company LLC	Not less than 1/8	1523/118
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
99A	1-18-3	299601000	Betty S. Baird	William E. King and M. Cynthia Barnhart, Trustees of the John and Joann King Irrevocable Trust dated December 19, 2019 Masonic Charity Foundation of Oklahoma t/a/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1748/626 1817/323
			Northeast Natural Energy LLC EQT Production Company		EQT Production Company CNX Gas Company LLC	Not less than 1/8 Agreement	1789/553 1878/733
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
99B	1-13-16 1-13-16.1 through 1-13-16.9 1-13-16.11 through 1-13-16.15 1-13-16.17	299601000	Beverly Brower, et al	William E. King and M. Cynthia Barnhart, Trustees of the John and Joann King Irrevocable Trust dated December 19, 2019	CNX Gas Company LLC	Not less than 1/8	1748/626
			Masonic Charity Foundation of Oklahoma t/a/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma Northeast Natural Energy LLC	Northeast Natural Energy LLC	CNX Gas Company LLC	Not less than 1/8 Assignment	1626/304 162/750
			Northeast Natural Energy LLC EQT Production Company		EQT Production Company CNX Gas Company LLC	Not less than 1/8 Agreement	1789/553 1878/733

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection



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

October 28, 2025

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

RE: WDTN18KHSM (47-061-02003) - *MODIFICATION* Horizontal Drilling Permit Application

To Whom It May Concern:

CNX Gas Company LLC (CNX) is requesting a modification to extend the subject horizontal lateral well permit. The subject WDTN18 Marcellus well is in Monongalia County.

CNX would like to use the expedited review process for the WDTN18KHSM modification application and have enclosed a check for \$7,500.00. CNX recently modified the "WDTN18KHSM" in August 2025.

If any further information or correspondence is required, please contact me at (724) 485-4035 or ErikaWhetstone@cnx.com.

Sincerely,

Erika Whetstone

RECEIVED
Office of Oil and Gas
OCT 29 2025
WV Department of
Environmental Protection

11/07/2025