



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
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Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, August 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

Extended Lateral Length

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.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
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: 8/4/2025

Promoting a healthy environment.

08/08/2025

WW-6B
(04/15)

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API NO. 47-061 - 02003

OPERATOR WELL NO. WDTN18KHSM

Well Pad Name: WDTN18

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: 24,320' MD at TD
- 11) Proposed Horizontal Leg Length: 15,923'
- 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: _____

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20	New	L/S	<94.0	129	100	127 / CTS
Fresh Water	13.375	New	J-55	54.5	1,106	1,077	783 / CTS
Coal	13.375	New	J-55	54.5	1,106	1,077	783 / CTS
Intermediate	9.625	New	J-55	36	2,718	2,689	896 / CTS
Production	5.5	New	P-110	20	24,320	24,291	4720 / TOC @ 4000'
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

KLK for GK

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
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							

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Kind:	N/A			
Sizes:				
Depths Set:				

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

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 (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:

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

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

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

23) Describe centralizer placement for each casing string:

Fresh water string: centralize shoe joint and every other joint to surface - utilize bow spring centralizers. Intermediate string: centralize shoe joint and every 3rd joint to surface - utilize 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.

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

				WDTN-18K-HSM SHL			N 434761.8, E 1758403.3 (NAD27)			
Ground Elevation	1199' GL Elevation			WDTN-18K-HSM LP			N 434797.89, E 1759798.1 (NAD27)			
Azimuth	145°			WDTN-18K-HSM BHL			N 421754.99, E 1768930.84 (NAD27)			
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	Tops (RKB)		MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
				MD	MD					
	24"	20" L/S	Soil and Rock			AIR	To Surface	N/A	N/A	Stabilize surface fill/soil
	17-1/2"	13-3/8" 54.5# J-55 BTC	Conductor	129	129	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
			DFGW		208					
			Waynesburg Coal		566					
			Pittsburgh Coal (Solid)		1,006					
			FW/Coal Casing	1,106	1,106					
	12-1/4"	9-5/8" 36.0# J-55 LTC	Upper Freeport Coal		1,579	AIR / Soap	15.8 ppg Class A + 0% to 2% CaCl2 + 1/4 pps Flake 20% OH Excess Yield = 1.19 TOC @ surface	Centralize every 3rd joint from shoe to surface Bow spring centralizers	Soap the hole as needed and ensure the hole is clean at section TD	Set through potential salt water zones Cemented to surface Casing to be set ~200'-250' below the Big Injun base
			Lower Freeport Coal		1,619					
			Middle Kittanning Coal		1,743					
			Big Lime		2,217					
			Keener Sand		2,297					
			Big Injun Sand		2,443					
			Price Formation		2,531					
			Intermediate Casing	2,718	2,718					
	8-3/4" Tangent 8-1/2" Curve & Lateral	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			24,320	7,847						

LP @ +/- 8397' MD
7847' TVD

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

+/- 15923' Lateral

TD @ +/- 24320' MD 7847'
TVD



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 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 PA DEP notification requirements, CNX will follow the technical guidance provided in *Guidelines for Implementing Area of Review (AOR) Regulatory Requirement for Unconventional Wells* (800-0810-001) regarding Incident Reporting and Resolution.

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

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

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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.

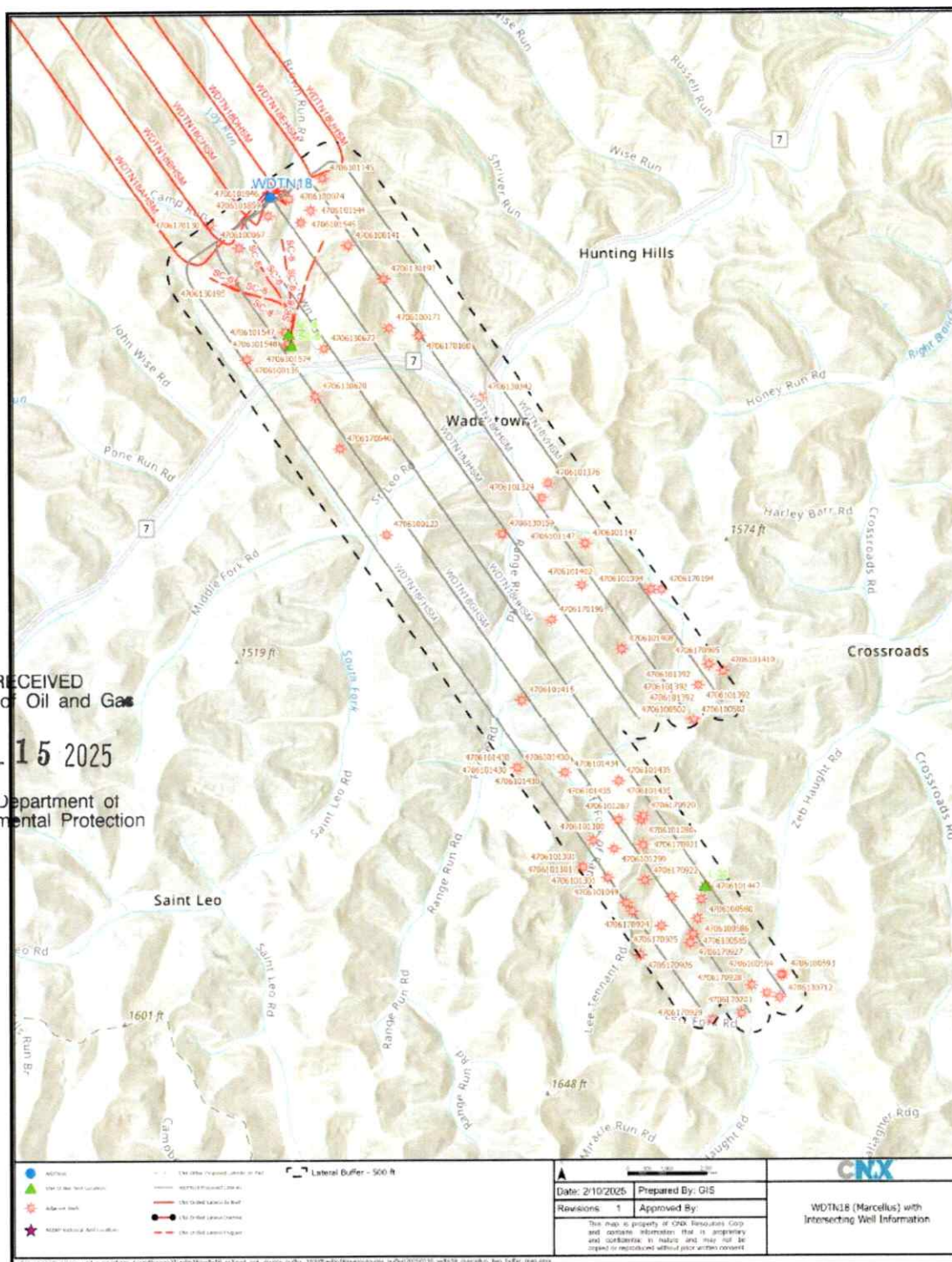
Well Name/API	Formation	Operator	Orientation	Within Zone of Influence	TVD Depth (ft)
WDTN18AHSM (47-061-01944)	Marcellus Shale	CNX	Horizontal	Yes	7853
WDTN18BHSM (47-061-01945)	Marcellus Shale	CNX	Horizontal	Yes	7867
WDTN18CHSM (47-061-01946)	Marcellus Shale	CNX	Horizontal	Yes	7877
WDTN18DHSM (47-061-01947)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

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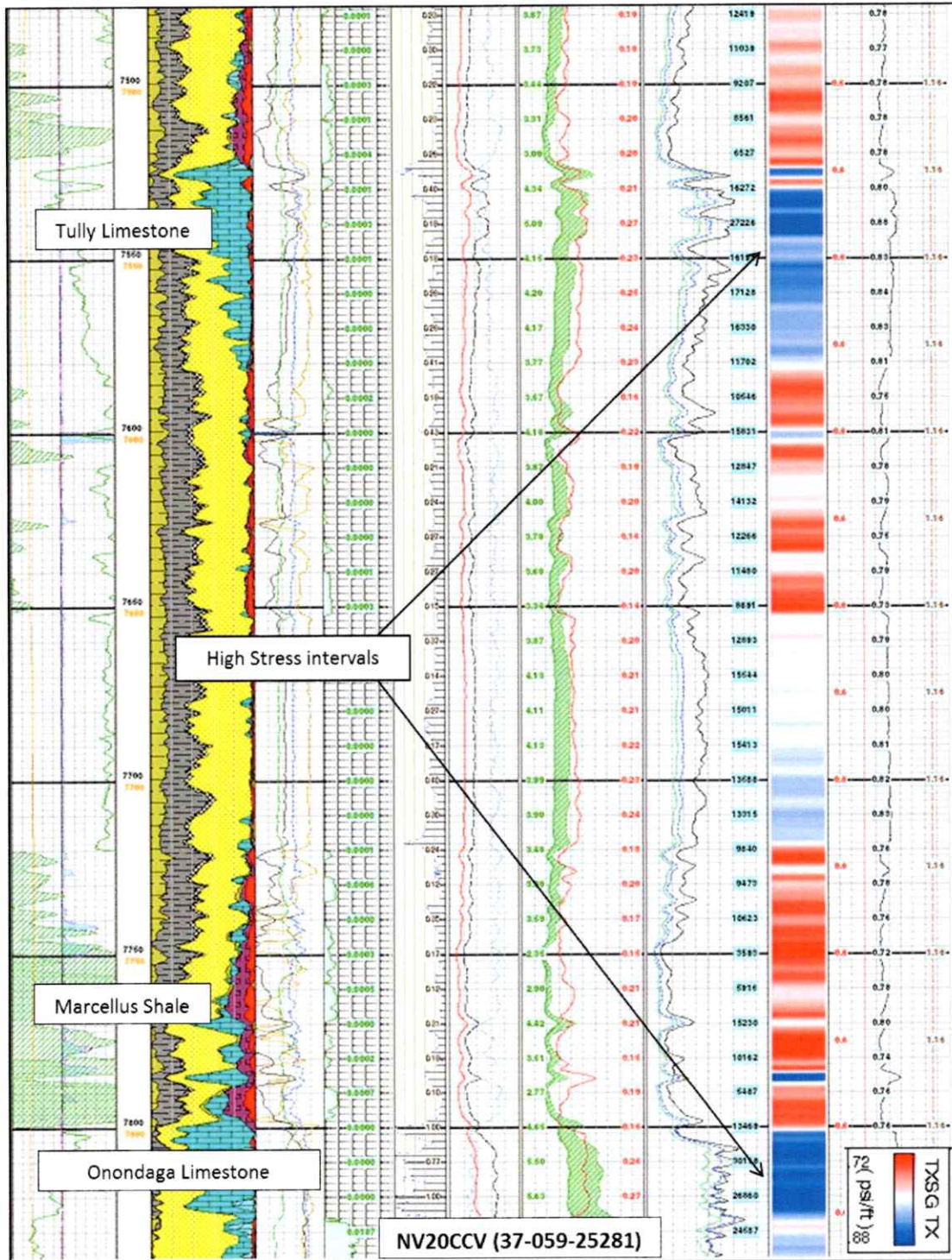


WDTN18_M2 Pad AOR / SOG Review

Tuesday, February 18, 2025

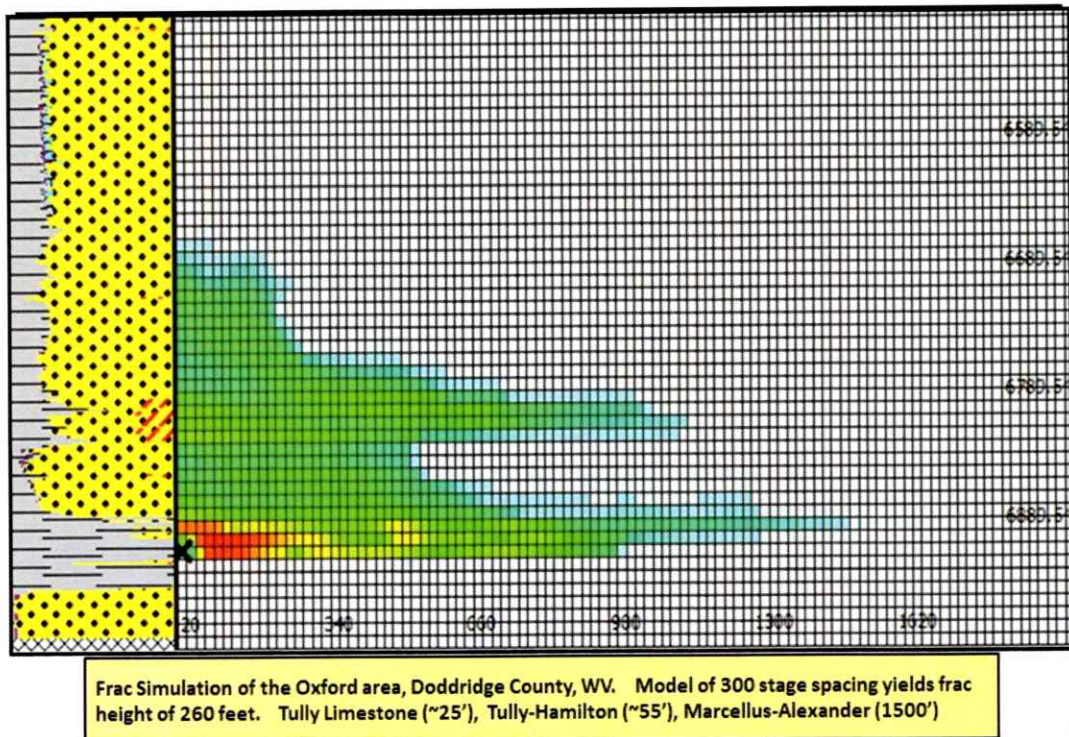
Figure 4. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the Wadestown Area Stress Profile log.

Wadestown Area Stress Profile Log



08/08/2025

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'.



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Figure 6. 73 wells lie within a 500' buffer around the WDTN18_M2 Pad. 28 are Inactive Status, 44 are Plugged and Abandoned, and 1 is Active, Completed, or Drilled. The deepest well is 3740' and produces from the Bayard Sand. No known SOG Communication events have occurred in this area. The dashed laterals in the figure below are Pittsburgh Coal seam horizontal laterals at very shallow depths.

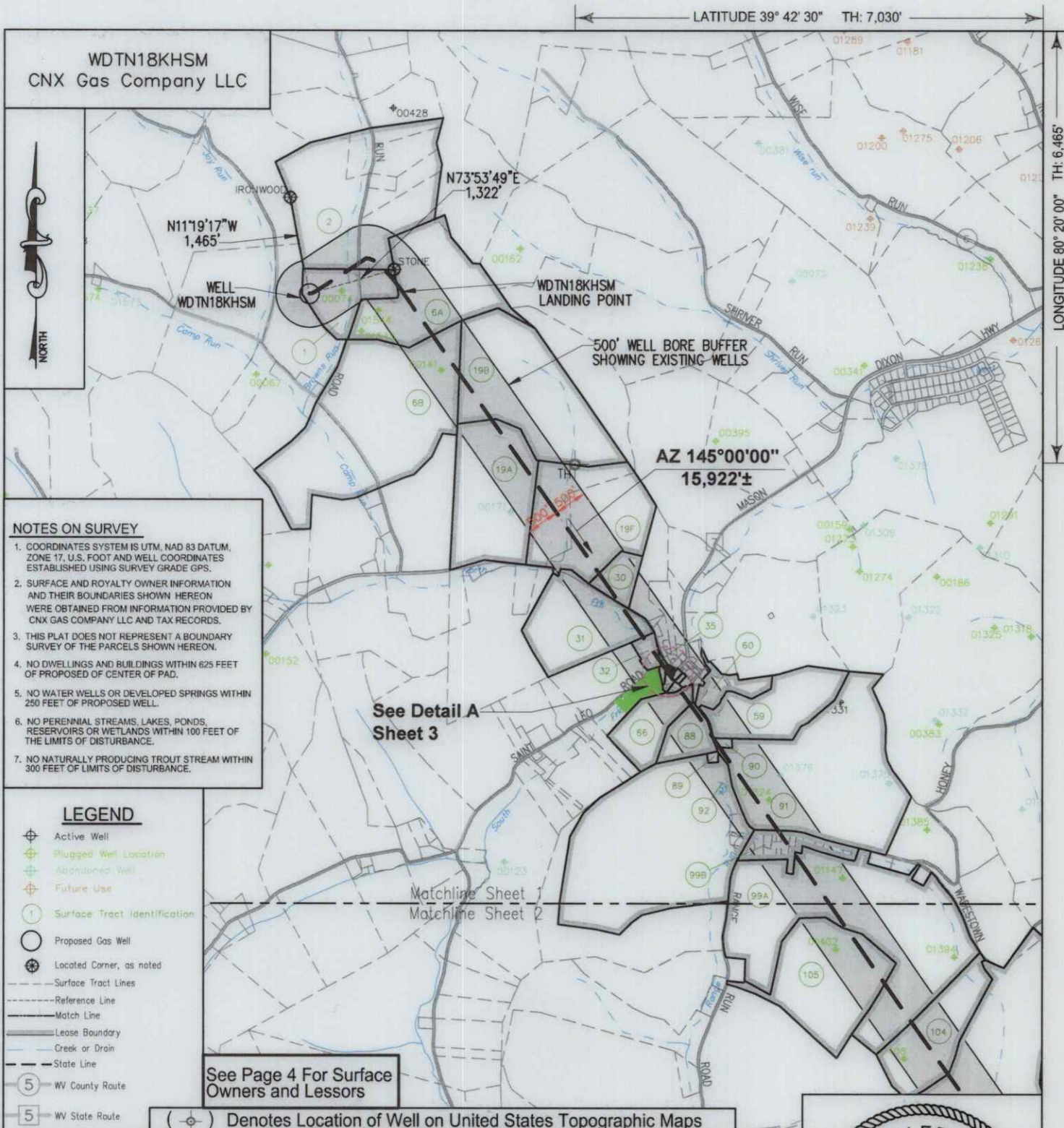
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
API Number	Well Name	Well Number	Current Operator	Fluid Type	Profile Type	Completion Formation	Current Status	Total Depth	Province	State	County	Latitude	WGSE	Longitude	WGSE					
4708101544000	CONSOLIDATION COAL COMPANY	SC12A	DIVERSIFIED ENERGY	GAS	V	PITTSBURGH COAL	ACTIVE	1210	WEST VIRGINIA	MONTGOMERY	(WV 38 580901)	-80 355512								
4708101378000	WEVI	25469	CONSOL	GAS	V		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 570909)	-80 332943								
4708101544000	CONSOLIDATION COAL COMPANY	SC12	DIVERSIFIED ENERGY	CBM U	V	UNIDENTIFIED COAL	INACTIVE	1210	WEST VIRGINIA	MONTGOMERY	(WV 38 580912)	-80 354637								
4708101574000	TERRA FIRMA COMPANY	SC1A	DIVERSIFIED ENERGY	GAS	V	PITTSBURGH COAL	INACTIVE	1260	WEST VIRGINIA	MONTGOMERY	(WV 38 580422)	-80 358881								
4708101580000	W C MASON		CARNEGIE NATURAL GAS CO	GAS	U	FOURTH	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 581717)	-80 337073								
4708101502000			BEREN, I. H.	GAS	U	BIG INJUN (PRICESED)	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 585116)	-80 347688								
4708101595000	MAHLON TENNANT HEIRS		MANUFACTURERS LIGHT & HEAT CO	GAS	U	BAYARD	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584778)	-80 361058								
4708101502000			INTERSTATE PIPE & SUPPLY	OIL	U	DORDON	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583281)	-80 332812								
470810153420000			PITTSBURGH & WV GAS	GAS	U	FIFTH	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 576542)	-80 338137								
470810150670000	R S & E CLOVIS		MANUFACTURERS LIGHT & HEAT CO	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 576553)	-80 354515								
470810150672000	R S & E CLOVIS		MOORE, D. K. ETAL	GAS	U	BAYARD	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 580188)	-80 3534								
47081015012000	HERSCHEL TENNANT (N A JOHNSON)		CONSOLIDATION COAL COMPANY	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584891)	-80 331887								
4708101502000			OPER IN MIN OWNER FLD NO CODE ASSON(ORPHAN WELL)	UNKNOWN	U	FIFTH	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583836)	-80 358724								
4708101501000	E B BELL		PHILADELPHIA COMPANY, THE	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 581183)	-80 344787								
4708101504000	M J GARRISON		SOUTH PENN OIL (S PENN NAT GAS)	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583867)	-80 332261								
4708101506500	M J GARRISON		OPER IN MIN OWNER FLD NO CODE ASSON(ORPHAN WELL)	UNKNOWN	U	FOURTH	INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 581382)	-80 332852								
470810150201000	ALMON JOHNSON		MANUFACTURERS LIGHT & HEAT CO	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583831)	-80 358098								
470810150402000	HOMER TENNANT		PHILADELPHIA OIL CO	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 573291)	-80 3519								
47081015065000	ERVINE TENNANT			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583329)	-80 331834								
470810150202000	GOLDEN TOOTHMAN			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584789)	-80 324122								
470810150921000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584558)	-80 324122								
470810150922000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584309)	-80 323938								
470810150923000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584183)	-80 323486								
470810150924000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 584513)	-80 323582								
470810150925000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583897)	-80 322433								
470810150926000	CONSOL COAL			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583786)	-80 324311								
470810150927000	CLAY CARPENTER			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583138)	-80 336028								
470810150928000	CLAY CARPENTER		MANUFACTURERS LIGHT & HEAT CO	UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583533)	-80 334770								
470810150929000	CLAY CARPENTER			UNKNOWN	U		INACTIVE		WEST VIRGINIA	MONTGOMERY	(WV 38 583395)	-80 337742								
4708100670000	M L SHRIVER ESTATE	1-2810	MANUFACTURERS LIGHT & HEAT CO	GAS	V	BIG INJUN (PRICESED)	P & A	3166	WEST VIRGINIA	MONTGOMERY	(WV 38 583224)	-80 361087								
470810100740000	TENNANT, LEBLEY	7265	PITTSBURGH & WV GAS	GAS	V	THIRTY-FOOT	P & A	3385	WEST VIRGINIA	MONTGOMERY	(WV 38 580707)	-80 346652								
47081010123000	GUMP, ODELL N		PENNHILL OIL & GAS	GAS	V	PITTSBURGH COAL	P & A	3315	WEST VIRGINIA	MONTGOMERY	(WV 38 587266)	-80 347559								
47081010138000	SHRIVER, ADA	73618	A V COMPANY	GAS	V	PITTSBURGH COAL	P & A	3364	WEST VIRGINIA	MONTGOMERY	(WV 38 577637)	-80 360348								
47081010141000	SHRIVER, CHARLES F.	1-3632	A V COMPANY	WATER	V	BAYARD	P & A	3740	WEST VIRGINIA	MONTGOMERY	(WV 38 587472)	-80 351244								
47081010171000	BELL, ERNEST		COMO GAS	GAS	V	BAYARD	P & A	3293	WEST VIRGINIA	MONTGOMERY	(WV 38 581678)	-80 347494								
470810105020000	EASTERN ASSOCIATED COAL/PEABODY COAL CO	P2-449		GAS	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584412)	-80 338161								
470810105020000	EASTERN ASSOCIATED COAL/PEABODY COAL CO	P2-449		GAS	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584412)	-80 338161								
470810105020000	EFRAIM, F M	4117-A	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584185)	-80 331889								
470810105080000	N J #1	4117-B	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583948)	-80 331889								
470810105080000	JOHNSON, NANCY A	7878	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584333)	-80 331919								
470810105084000	JOHNSON, NANCY A	7878	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583856)	-80 331381								
470810105084000	JOHNSON, NANCY A	7878	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583948)	-80 331889								
470810101480000	CONSOLIDATION COAL CO	74135	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583856)	-80 331381								
470810101480000	HAINES, E	72025	A V COMPANY	GAS	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583856)	-80 331381								
470810101470000	GARRISON HEIRS	72797	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583856)	-80 331381								
470810101470000	GARRISON HEIRS	72797	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 583856)	-80 331381								
470810101280000	CONSOLIDATION COAL	73431	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584729)	-80 324311								
470810101270000	TAYLOR, KEITH E	73432	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584729)	-80 324311								
470810101289000	TAYLOR, KEITH E	73433	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584267)	-80 323875								
470810101300000	TAYLOR, KEITH E	73434	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584548)	-80 323827								
470810101301000	BREIDING, GEORGE D	73435	CONSOLIDATION COAL COMPANY	GAS	V	GORDON	P & A	3096	WEST VIRGINIA	MONTGOMERY	(WV 38 584392)	-80 323898								
470810101301000	BREIDING, GEORGE D	73436	CONSOLIDATION COAL COMPANY	GAS	V	GORDON	P & A	3194	WEST VIRGINIA	MONTGOMERY	(WV 38 584392)	-80 323898								
470810101301000	BREIDING, GEORGE D	73437	CONSOLIDATION COAL COMPANY	GAS	V	GORDON	P & A	3194	WEST VIRGINIA	MONTGOMERY	(WV 38 584392)	-80 323898								
470810101301000	BREIDING, GEORGE D	73438	CONSOLIDATION COAL COMPANY	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584328)	-80 327313								
470810101324000	L WILSON	41355	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 584328)	-80 327313								
470810101392000	GODFREY, MICHAEL W	P2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V	PITTSBURGH COAL	P & A	3456	WEST VIRGINIA	MONTGOMERY	(WV 38 585878)	-80 3318243								
470810101392000	GODFREY, MICHAEL W	P2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V	PITTSBURGH COAL	P & A	3439	WEST VIRGINIA	MONTGOMERY	(WV 38 585878)	-80 3318243								
470810101392000	GODFREY, MICHAEL W	P2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V	PITTSBURGH COAL	P & A	3439	WEST VIRGINIA	MONTGOMERY	(WV 38 585878)	-80 3318243								
470810101392000	GODFREY, MICHAEL W	P2-448	EASTERN ASSOCIATED COAL/PEABODY COAL CO	GAS	V	PITTSBURGH COAL	P & A	3439	WEST VIRGINIA	MONTGOMERY	(WV 38 585878)	-80 3318243								
470810101394000	BAIRD, BETTY	P2-445	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 585878)	-80 3318243								
470810101402000	BAIRD, BETTY	P2-473	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 585817)	-80 328671								
470810101402000	TOOTHMAN, VERNON	1F-18925	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 585844)	-80 333186								
470810101430000	SPEARS, WILLIAM	P2-493	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 585817)	-80 333186								
470810101430000	SPEARS, WILLIAM	P2-493	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL	V	PITTSBURGH COAL	P & A	3396	WEST VIRGINIA	MONTGOMERY	(WV 38 585826)	-80 335574								
470810101430000	SPEARS, WILLIAM	P2-493	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL	V	PITTSBURGH COAL	P & A	3396	WEST VIRGINIA	MONTGOMERY	(WV 38 585826)	-80 335574								
470810101430000	SPEARS, WILLIAM	P2-493	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL	V	PITTSBURGH COAL	P & A	3396	WEST VIRGINIA	MONTGOMERY	(WV 38 585826)	-80 335574								
470810101430000	SPEARS, WILLIAM	P2-493	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL	V	PITTSBURGH COAL	P & A	3396	WEST VIRGINIA	MONTGOMERY	(WV 38 585826)	-80 335574								
470810101434000	BROWN, EDWARD	P2-485	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		P & A		WEST VIRGINIA	MONTGOMERY	(WV 38 585838)	-80 331283								
470810101435000	BROWN, EDWARD	P2-487	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL & GAS	V	PITTSBURGH COAL	P & A	3527	WEST VIRGINIA	MONTGOMERY	(WV 38 585838)	-80 328374								
470810101435000	BROWN, EDWARD	P2-487	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL & GAS	V	PITTSBURGH COAL	P & A	3527	WEST VIRGINIA	MONTGOMERY	(WV 38 585838)	-80 328374								
470810101435000	BROWN, EDWARD	P2-487	EASTERN ASSOCIATED COAL/PEABODY COAL CO	OIL & GAS	V	PITTSBURGH COAL	P & A	3527	WEST VIRGINIA	MONTGOMERY	(WV 38 585838)	-80 328374								
470810101447000	CONSOLIDATION COAL COMPANY	1-32	CNX	GAS	V	PITTSBURGH COAL	P & A	1020	WEST VIRGINIA	MONTGOMERY	(WV 38 584287)	-80 334718								
470810101547000	TERRA FIRMA COMPANY	SC1A	CNX	GAS	V		CANCELLED		WEST VIRGINIA	MONTGOMERY	(WV 38 581334)	-80 34868								
470810101548000	TERRA FIRMA COMPANY	SC1A	CNX	GAS	V		CANCELLED		WEST VIRGINIA	MONTGOMERY	(WV 38 580423)	-80 358833								
470810101549000	WOODRUFF, MARY JANE	P2-470	EASTERN ASSOCIATED COAL/PEABODY COAL CO	UNKNOWN	V		EXPIRED PERMIT		WEST VIRGINIA	MONTGOMERY	(WV 38 587885)	-80 33696								

RECEIVED
Office of Oil and Gas

JUL 15 2025

WV Department of
Environmental Protection

08/08/2025



KEYSTONE
CONSULTANTS, LLC

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

L. L. Rowe
L. L. S. 2394

TERRY LEE ROWE
LICENSED
No. 2394
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

SEAL

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

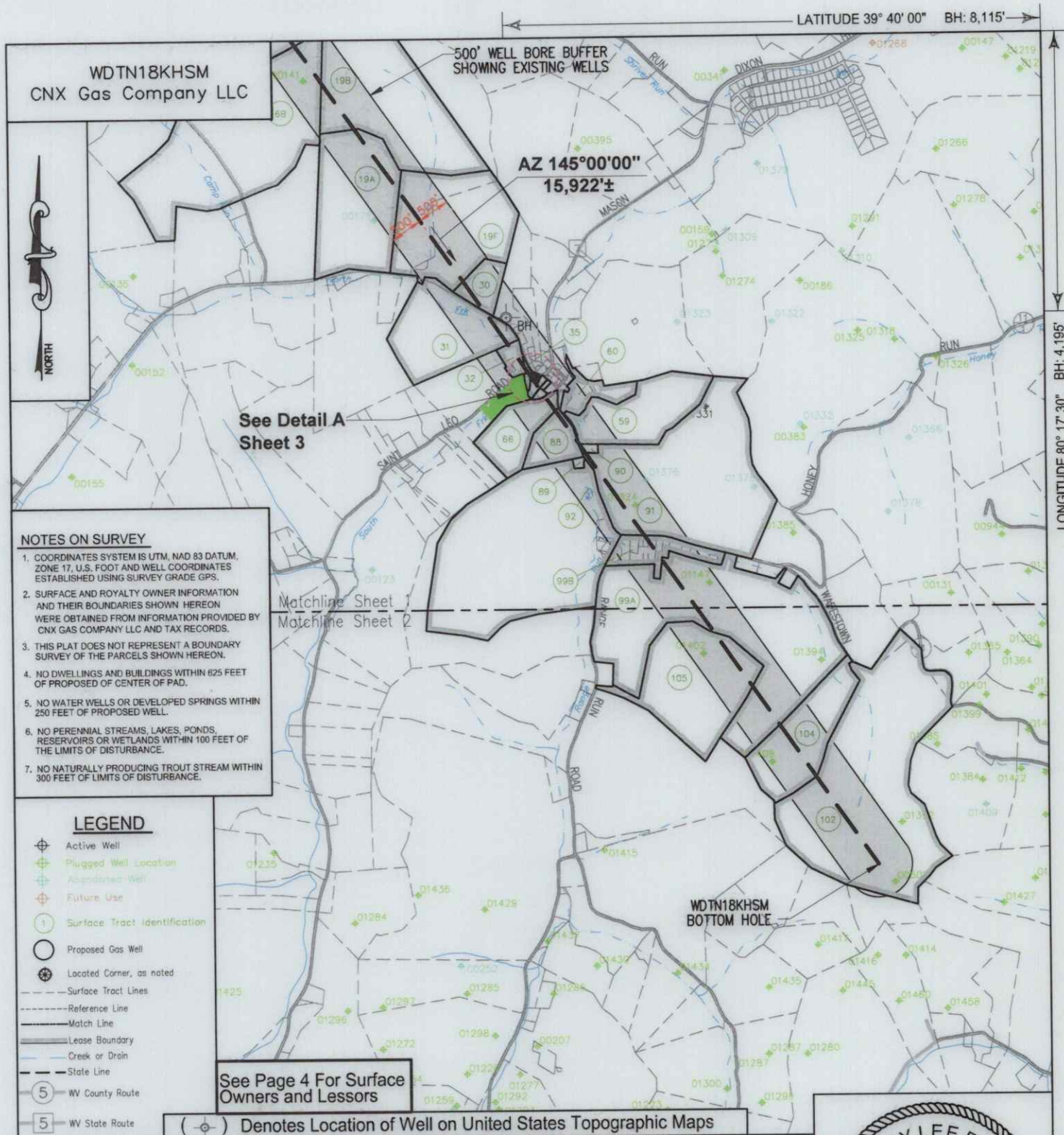
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & GAS DIVISION

DATE: JULY 01 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
ADDRESS: 1000 Horizon Vue Drive
Canonsburg, PA 15317

DESIGNATED AGENT: Anthony Kendziora
ADDRESS: 111 Avondale Road
Fairmont, WV 26554



KEYSTONE
CONSULTANTS, LLC

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

L. L. S. 2394



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 & GAS DIVISION

DATE: JULY 01 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 +
08/08/2025
ACREAGE: 59.02 ±

ROYALTY OWNER: Bounty Minerals, LLC

LEASE NO: 189033000

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

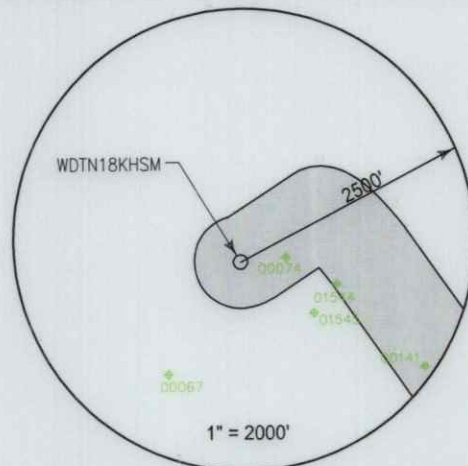
DESIGNATED AGENT: Anthony Kendziora

ADDRESS: 1000 Horizon Vue Drive
Canonsburg, PA 15317

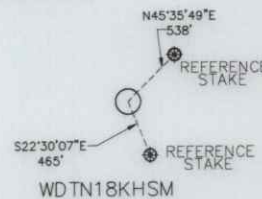
ADDRESS: 111 Avondale Road
Fairmont, WV 26554



DETAIL A
1" = 200'



Well References



1" = 1500'

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

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

BOTTOM HOLE LOCATION (BHL)

UTM 17 NAD 83
N: 4389703.33
E: 558293.67
NAD 83, WV NORTH
N: 421792.180
E: 1737493.465
LAT/LON DATUM NAD 83
LAT: 39°39'18.519"
LON: 80°19'13.768"



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
L. L. S. 2394



SEAL

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

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



DATE: JULY 01 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

08/08/2025

TRACT ID	SURFACE OWNER	LESSOR	PIN
89	Justin P. Walls, et ux	Debra L. Frazier and Bradley S. Frazier, her husband	1-13-14
		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,	
		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	
		Keili 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	
		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	

08/08/2025

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	Donzell Walls, et al	Donzell Walls and Diana J. Walls, husband and wife	1-13-13
		CNG Producing Company	1-13-17
		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	

08/08/2025

**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

JUL 15 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

JUL 15 2025

WV Department of
Environmental Protection

Attachment - Form WV-6A-1 for WDTN18KH5M

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	203527000	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	158/372
				Doris Margaret White George Stephen Knight	CNX Gas Company LLC CNX 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 Crop. CNX Gas Company LLC Consolidation Coal Company	Eastern Associated Coal Crop. CNX Gas Company LLC Consolidation Coal Company CNX Gas Company LLC	Fee Deed Deed Deed	690/228 1267/233 1295/417 1300/1
6B	1-12-8	189034000	CONSOL Mining Company LLC	Virgie Shriver, et al Eastern Associated Coal Crop. CNX Gas Company LLC Consolidation Coal Company	Eastern Associated Coal Crop. CNX Gas Company LLC Consolidation Coal Company CNX Gas Company LLC	Fee Deed Deed Deed	690/228 1267/233 1295/417 1300/1
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 SWS Holding LLC	LOLA Drilling 1, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Not less than 1/8	1586/4 1586/7 133/752 153/774 159/809 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 Rice Drilling B, LLC	LOLA Drilling 1, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment	1586/4 1586/7 133/752 153/774 159/809 159/809
19F	1-12-9 1-12-9.1 1-12-9.2	189650000	Ralph Six, et al	Bounty Minerals, LLC Bounty Minerals III Acquisitions, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC Rice Drilling B, LLC	LOLA Drilling 1, LLC LOLA Drilling 1, LLC Rice Drilling B, LLC CNX Gas Company LLC CNX 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
30	1-13-3	205017000 300833000	Clarence E. Park, et ux	Clarence Earl Park and Linda Sue Park, husband and wife	CNX Gas Company LLC	Not less than 1/8	1612/578
31	1-13-7	205022000	John and Joann King Irrevocable Trust	Debra Lynn Lundgren EQT Production Company	EQT Production Company CNX Gas Company LLC	Not less than 1/8 Assignment	1554/238 159/809
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	CNX Gas Company LLC	Not less than 1/8	1644/156
35	1-13A-17	258082000	Deken Wilson	Deken Wilson	CNX Gas Company LLC	Not less than 1/8	1621/350
36	1-13A-21	241781000	Timothy E. Russell, et ux	Donald L. White and Linda L. White, Husband and Wife	CNX Gas Company LLC	Not less than 1/8	1612/615
37A	1-13A-21.1	241782000	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	CNX Gas Company LLC	Not less than 1/8	1612/603
37B	1-13A-21.1	241782000	John and Joann King Irrevocable Trust	John King and Joann King, Husband and Wife	CNX Gas Company LLC	Not less than 1/8	1612/603
38A	1-13A-18	241775000	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	CNX Gas Company LLC	Fee	1638/23
38B	1-13A-18	241775000	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	CNX Gas Company LLC	Fee	1638/23

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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

Northeast Natural Energy LLC
Northeast Natural Energy LLC
Northeast Natural Energy LLC
Northeast Natural Energy LLC
Northeast Natural Energy LLC
Northeast Natural Energy LLC
CNX Gas Company LLC

Not less than 1/8
Not less than 1/8
Not less than 1/8
Not less than 1/8
Not less than 1/8
Not less than 1/8
Assignment

1635/468
1631/557
1631/555
1631/495
1631/497
1631/551
164/709

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	Donzell Walls and Diana J. Walls, husband and wife 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	CNG Producing Company Dominion Exploration & Production, Inc. Antero Resources Appalachian Corporation Dominion Exploration & Production, Inc. Consol Gas Company CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Name Change Assignment Assignment Name Change Merger Not less than 1/8	1175/139 DE Secretary of State 102/797 103/594 60/7 2/424 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 Debra L. Frazier	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1523/115 1523/118

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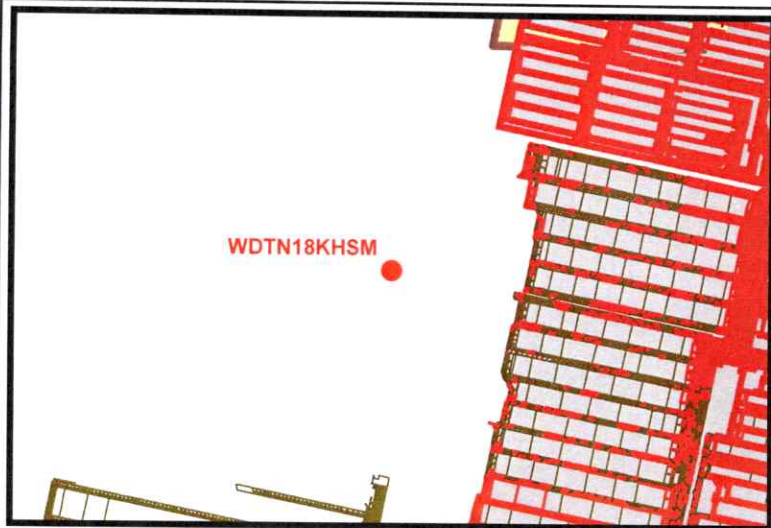
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
99A	1-18-3	299601000	Betty S. Baird	William E. King and M. Cynthia Barnhart, Trustees of the John and Joann King Irrevocable Trust dated December 19, 2019	CNX Gas Company LLC	Not less than 1/8	1748/626
				Masonic Charity Foundation of Oklahoma f/k/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma	CNX Gas Company LLC	Not less than 1/8	1837/523
				Northeast Natural Energy LLC EQT Production Company	EQT Production Company CNX Gas Company LLC	Not less than 1/8 Agreement	1789/553 1879/739
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 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 f/k/a Most Worshipful Grand Lodge of Ancient Free and Accepted Masons of the State of Oklahoma	Northeast Natural Energy LLC	Not less than 1/8	1629/304
				Northeast Natural Energy LLC	CNX Gas Company LLC	Assignment	162/750
				Northeast Natural Energy LLC EQT Production Company	EQT Production Company CNX Gas Company LLC	Not less than 1/8 Agreement	1789/553 1879/739
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
102	1-18-21	258493000	Michael W. Godby	EQT Production Company; Rice Drilling B, LLC Betty G. Mason, a widow Margaret S. Ater and David A. Ater, wife and husband Richard M. Snow Robert A. Snow	CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	1796/531 1746/571 1740/286 1740/216 1740/211
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
104	1-18-22	287074000	Vernon L. Toothman, et ux	Vernon L. Toothman and Deborah J. Toothman, his wife LOLA Drilling I, LLC Rice Drilling B LLC	LOLA Drilling I, LLC Rice Drilling B LLC CNX Gas Company LLC	Not less than 1/8 Assignment Assignment	1563/67 133/752 159/809
Tract ID	Tax Map & Parcel	Title Opinion QLS #	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
105	1-18-23.3	263721000	Betty S. Baird	Northeast Natural Energy LLC EQT Production Company	EQT Production Company CNX Gas Company LLC	Not less than 1/8 Agreement	1789/553 1879/739

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WDTN18KHSM

8681 ft

6138 ft

Monongalia Mine

Federal-2 Mine

Legend

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

N



0 500 1000 1500 2000 feet
1 inch = 2,000 feet

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

06/08/2025
WDTN18KHSM
Mine Map



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

July 2, 2025

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WV Department of
Environmental Protection

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 previously permitted the "WDTN18KHSM" in April 2025.

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

Sincerely,

Erika Whetstone

Check # 2140052509

AMT \$ 7,500.00

08/08/2025