

west virginia department of environmental protection

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

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

Monday, November 13, 2023 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

CNX GAS COMPANY LLC 1000 HORIZON VUE DR.

CANONSBURG, PA 15370

Re: Permit Modification Approval for WDTN18CHSM 47-061-01946-00-00

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.

James A. Martin Chief

Operator's Well Number: WDTN18CHSM Farm Name: CONSOL MINING COMPANY LLC U.S. WELL NUMBER: 47-061-01946-00-00 Horizontal 6A New Drill Date Modification Issued: 11/13/2023

Promoting a healthy environment.

WW-6B (04/15) 47- <u>4706101946</u> API NO. 47- <u>6101946</u> OPERATOR WELL NO. WDTN18CHSM 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 MONONGAI BATTEL WADESTOWN Operator ID County District Quadrangle
2) Operator's Well Number: WDTN18CHSM / 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: 1215' 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 @ 7815' - 7868' TVD, 53' thick, expected formation pressure ~4600 psi
8) Proposed Total Vertical Depth: 7848' TVD at TD, depending on formation dip
9) Formation at Total Vertical Depth: Marcellus Shale (will not penetrate Onondaga)
10) Proposed Total Measured Depth: 27,851' MD at TD <
11) Proposed Horizontal Leg Length: 19,497'
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', 537'-538', 612'-613', 614'-617', 873'-878', 960'-974'
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 RECEIVED
Depth: $(1/2)$
Seam:
Owner: Environmental Protection
CK#2140043931 Gayne Digitally signed by Gayne #7500 ^{cos} Gayne Nitowski, Inspector 11[08]23 Inspector -0400'

11/17/2023

API NO.447.06-101946 OPERATOR WELL NO. WDTN18CHSM Well Pad Name: WDTN18

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New	L/S	<94.0	75	46	96 / CTS
Fresh Water	13.375	New	J-55	54.5	1,180	1,151	940 / CTS 🖌
Coal	13.375	New	J-55	54.5	1,180	1,151	940 / CTS
Intermediate	9.625	New	J-55	36	2,876	2,847	1,046 / CTS
Production	5.5	New	P-110	23	27,851	27,822 /	2,460 TOC @ 1,550'
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

Gayne Digitally signed by Gayne Knitowski, Inspector Date: 2023.10.25 14:21:09 -04'00'

ТҮРЕ	Size (in)	<u>Wellbore</u> Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	20	30	.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							

PACKERS

Kind:	N/A		
Sizes:			
Depths Set:			

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WW-6B (10/14)

4706101946

OPERATOR WELL NO. WDTN18CHSM Well Pad Name: WDTN18

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):

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

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:

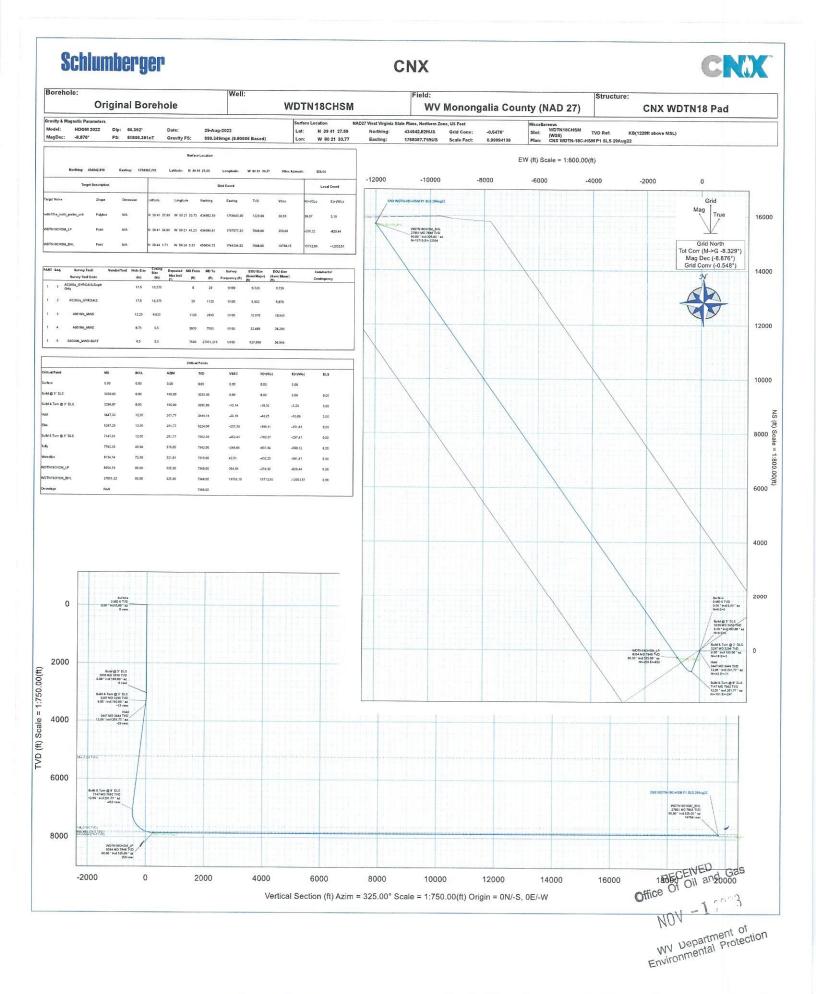
Fresh water/coal string: Class A cement with 1%-3% CaCl2 and 1/4 pps cello-flake/LCM. Intermediate string: Class A cement with 0%-2% CaCl2 and 1/4 pps cello-flake/LCM. Production string: Class A or H cement or Class H:Poz blend with dry blend and/or liquid additives including retarder, suspension agent, 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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WDTN18 M1 Pad Risk Assessment Review

September 13, 2023



WDTN18 M1 WV Area of Review

In accordance with WVDEP 35CSR8 Section 5.11, all known shallow oil and gas (SOG) wells have been identified within a 500' radius of the WDTN18 M1 wells that are within West Virginia state boundary. These wells extended their origination in West Virginia cross the state line into Pennsylvania. Any SOG well that falls within the Area of Review (AOR) has been reviewed and is provided in a list that includes API, Operator, Well Name, Well Number, 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 8,000'. In the Wadestown area, there were very few wells that produced from formations deeper than the Bayard Sand (approximately 3,600'). With that being said, there are **no known vertical wells that reach a total depth within 1,500 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 M1 wells.

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 area. Geomechanical data is available that suggests the Tully Limestone to be an adequate upward frac barrier for Marcellus hydraulic fracturing. This data was 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 no known CNX Marcellus lateral wells that lie within 500' of the proposed WDTN18 M1 wells. If any CNX Marcellus wells existed within 500' of the WDTN18 laterals, we would monitor and utilize the Production Control Room (PCR) to 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 DEP notification requirements per 35CRS8 Section 9.3.a, CNX will follow and implement applicable guidance documents 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 M1 wells in West Virginia.

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Figure 1. Zero 3rd Party Marcellus wells lie within a 500' buffer around the proposed WDTN18 laterals, producing from the Marcellus Shale, shown below.

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

Figure 2. Zero CNX wells producing from formations within 1,500' above or below the Marcellus Shale and within 500' of proposed WDTN18 laterals.

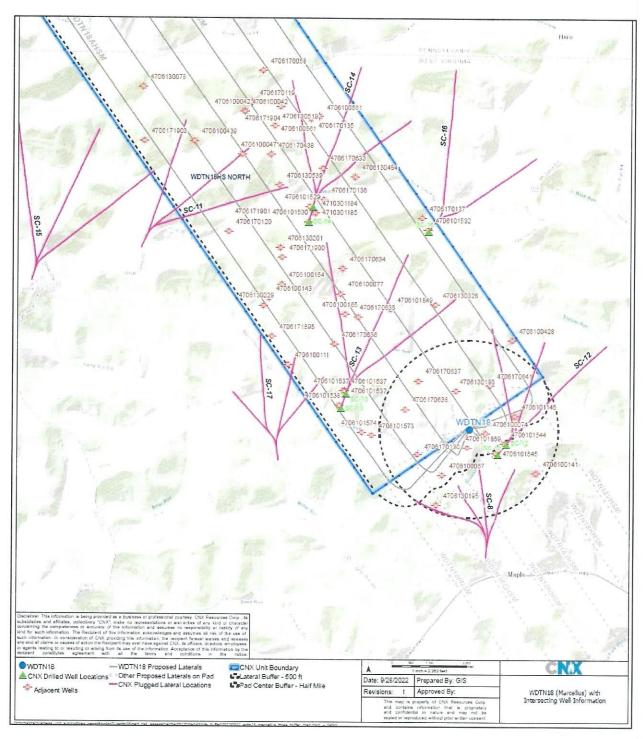
Well Name/API	Formation	Operator	Orientation	Within Zone of Influence	TVD Depth (ft)
N/A					

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WDTN18 M1 Pad Risk Assessment Review September 13, 2023

Figure 3. 18 wells lie within a 500' buffer around the WDTN18 M1 pad that penetrate the Big Injun Sand or deeper horizons (highlighted green in the table on page 6). The deepest well is 3,740' and produces from the Bayard Sand. No known SOG Communication events have occurred in this area. The pink horizontal wells in the figure below are Pittsburgh Coal seam horizontal laterals.

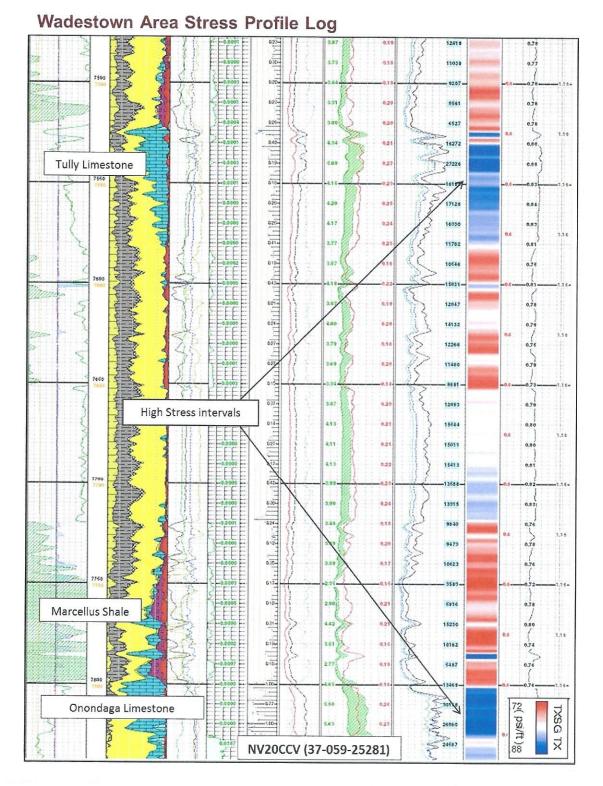




WDTN18 M1 Pad Risk Assessment Review

ment Review September 13, 2023

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.



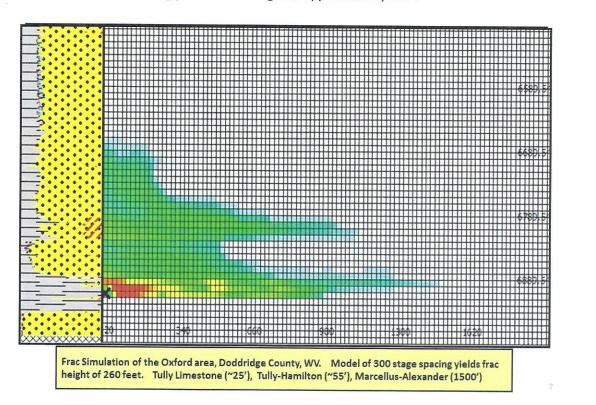
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WDTN18 M1 Pad Risk Assessment Review

September 13, 2023

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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WV Department of Environmental Protection

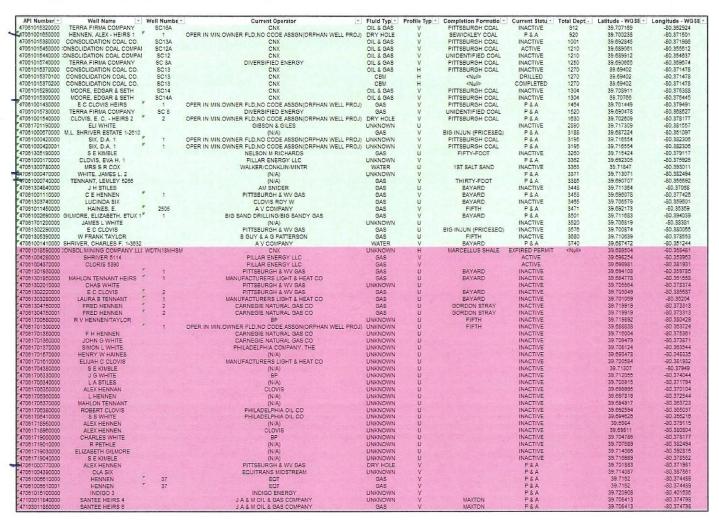
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WDTN18 M1 Pad Risk Assessment Review

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Figure 6. 70 wells lie within the 500' buffer of the entire WDTN18 M1 wells and pad. With the data available, only 18 of them can be verified to penetrate the Big Injun Sand or deeper stratigraphy (green). 14 of them are Pittsburgh Coal seam wells. 38 wells have no Formation or TD information available (status highlighted pink). Completion reports are not available for these on the WVGES website.

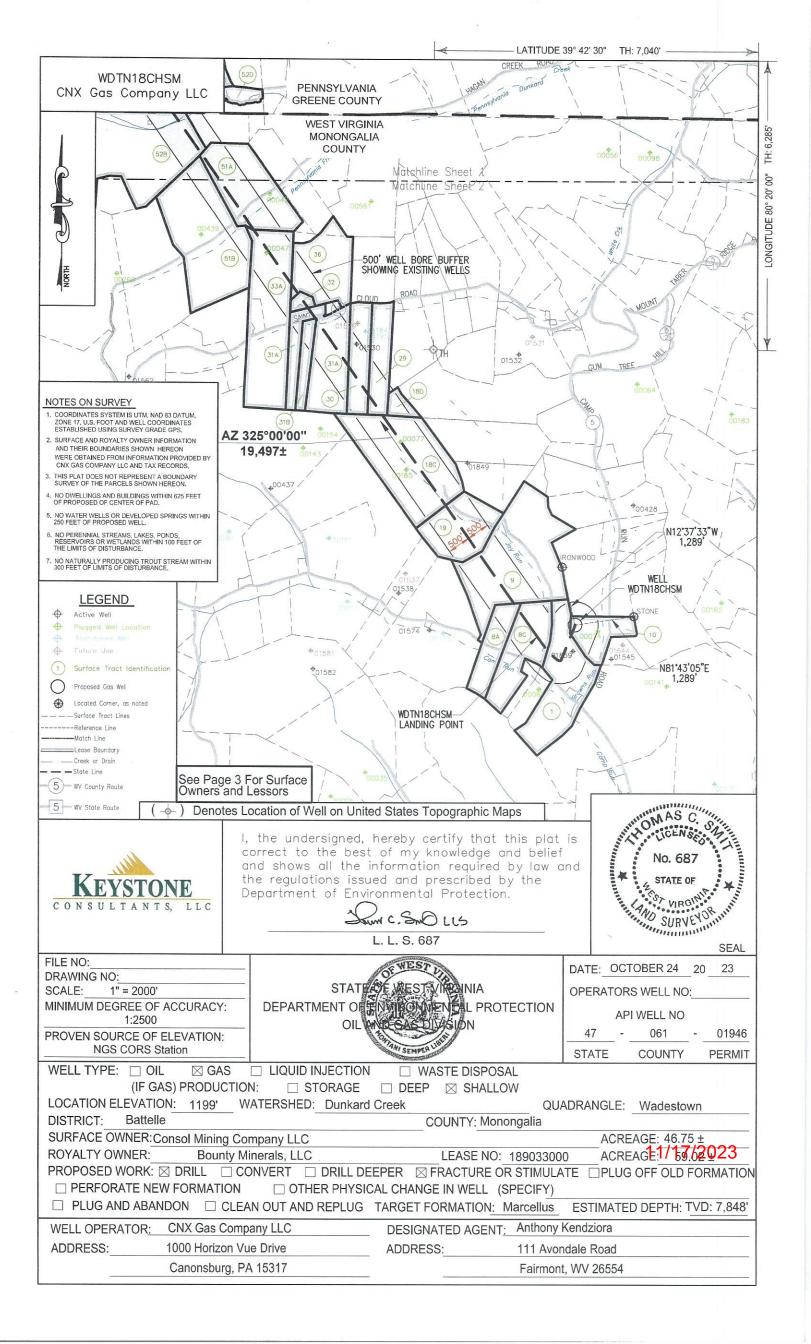


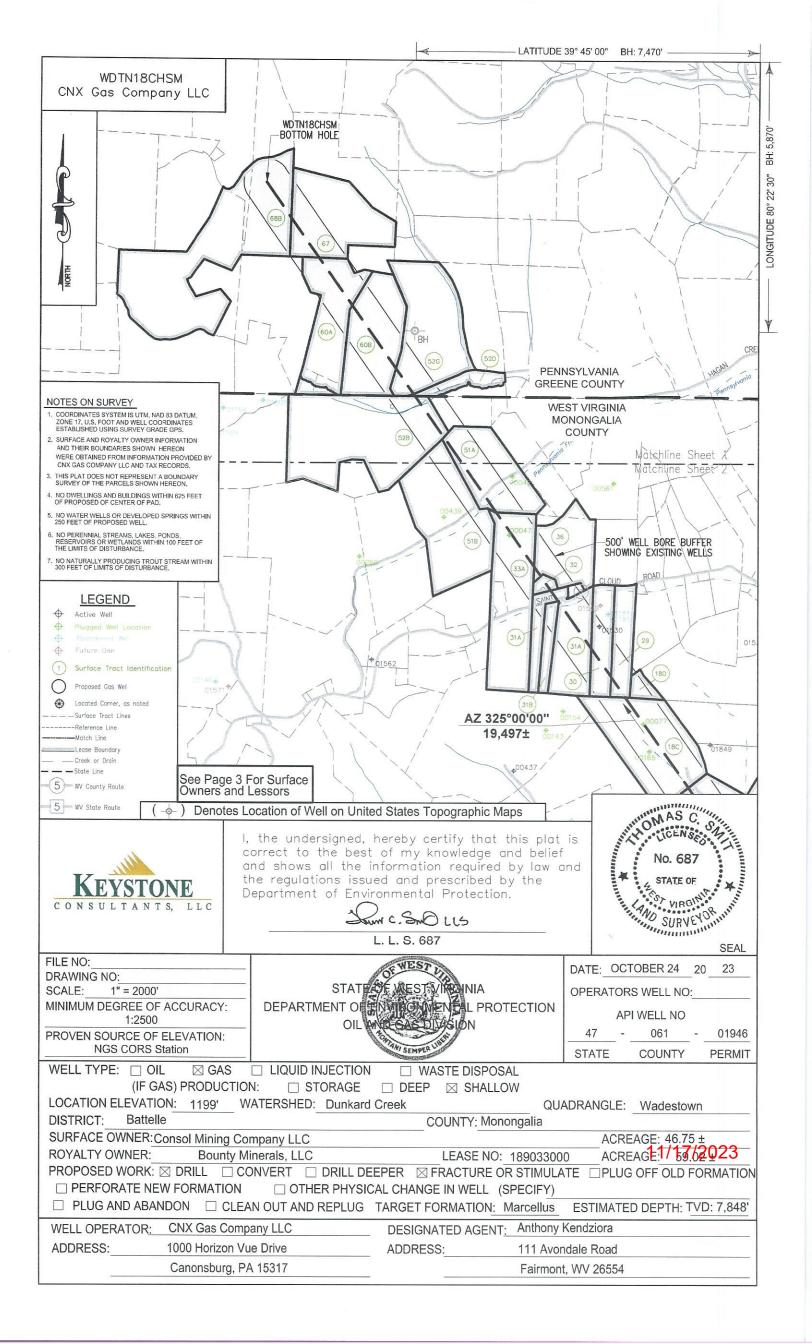
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		LOLA Drilling I, LLC Rice Drilling B, LLC			$ \rangle$	VA	\times 1
TRACT ID	SURFACE OWNER	LESSOR		PIN		× 5	Sr)
8A	Consol Mining Company LLC	Martha Sue Kerr		1-9-36			00074
		Larry A. Kerr		-		01859	
		Antero Resources Corporation					
		Bruce Scott Carpenter			000	*	00141
		Patti Carpenter					
-		Bruce P. Carpenter				1" =	2000'
TRACT ID	SURFACE OWNER	Jeannine Osmanski and Robert E. Osmar LESSOR	nski, w/h	PIN			
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		Patti Carpenter					STARE
		Bruce P. Carpenter					
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		Consolidation Coal Company	1-9-33	Ē
		CONSOL Mining Company LLC		8
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		Joseph Muto	1-5-20	
		Steven E. Hennen		
		Gregory S. Clark		
		Carl J. Woods		8
		Mark A. Clark		-
		Beverly A. Tonge		
		Wanda Lee Shaffer		
		Denzil L. Hennen and Bonnie L. Hennen, h/w		
		Eugene D. Hennen		
		Nancy K. Haddix		
		Carolyn S. Moore and James E. Moore, w/h		
		Charlie Fudge		
		Mary Sargent Hennen		
		Belinda T. Shriver and Charles C. Shriver, w/h		
		Donna K. Wickham		
		Denise Mitchell		125
		Marjorie Woods White		
		James R. Hennen, Jr.		
		Judy Kay Marshall Graham Marshall, h/w		
		Mary Virginia Davis		
		EQT Production Company		
		Donna R. Hennen		
		WOG Leasing, LLC		
		Betty Short		
		Don Fordyce		
	- 2012 II	Mildred Louise Walton		
		Linda S. Sansone and Charles F. Sansone, w/h		
		Karen S. Gray		
		Helene M. Muetzel		
		Cecil Hennen		
		Roger L. Pratt	_	
		Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of		
		the Amended and Restated Milan W. Cikovich Testamentary		
		Trust f/b/o Francine R. Cinkovich		
		Melissa Ann Hennen Limbaugh		
		Three Rivers Royalty II, LLC		
		Connie Jean Thompson Hennen		
		Ralph E. Hixenbaugh		
		Richard P. Hennen		
		Bonnie Lee Hennen Winnen		
		David L. Liming and Nancy A. Liming, h/w Herbert Lee Haines and Linda R. Haines, h/w		
		Herbert Lee Haines and Linda R. Haines, h/w Helen Pecora		
		Dorothy Chohrach		
		Patricia A. Cooney		
		Nancy Irwin Singer James C. Irwin		
		James C. Irwin Jeannette Irwin Prout		
		St. John's Evangelical Protestant Chruch Nelson James Hennen, Jr.		
		neison sames neillell, st.		
		Francis J. Waldron Hennen		
		Delores Ann Hennen Bryant		
		Clark H. Hennen		
		Ronald Fordyce		
		James Cox		11/17/20
		Frank Hennen		
		Frank Hennen		
		Carol A. Irwin		
		Bernard A. Yocke		
	4	Jernaru A. LVCKe		
			API WELL	NO

TID	SURFACE OWNER	E 6 OF 8	PIN
D	CNX RCPC LLC	Milan W. Cikovich, Jr. and Susan K. Cikovich	1-9-20
		Joseph Muto	
		Steven E. Hennen	
		Gregory S. Clark	
		Carl J. Woods	
		Mark A. Clark	
		Beverly A. Tonge Wanda Lee Shaffer	
		Denzil L. Hennen and Bonnie L. Hennen, h/w	
		Eugene D. Hennen	
		Nancy K. Haddix	
		Carolyn S. Moore and James E. Moore, w/h	
		Charlie Fudge	
		Mary Sargent Hennen	
		Belinda T. Shriver and Charles C. Shriver, w/h	
		Donna K. Wickham	
		Denise Mitchell	
		Marjorie Woods White James R. Hennen, Jr.	
		Judy Kay Marshall Graham Marshall, h/w	
		Mary Virginia Davis	
		EQT Production Company	
		Donna R. Hennen	
		WOG Leasing, LLC	
		Betty Short	
		Don Fordyce Mildred Louise Walton	
		Linda S. Sansone and Charles F. Sansone, w/h	
		Karen S. Gray	
		Helene M. Muetzel	
		Cecil Hennen	
_		Roger L. Pratt	
		Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of	
		the Amended and Restated Milan W. Cikovich Testamentary	
		Trust f/b/o Francine R. Cinkovich Melissa Ann Hennen Limbaugh	
		Three Rivers Royalty II, LLC	
		Connie Jean Thompson Hennen	
		Ralph E. Hixenbaugh	
		Richard P. Hennen	
		Bonnie Lee Hennen Winnen	
		David L. Liming and Nancy A. Liming, h/w	
		Herbert Lee Haines and Linda R. Haines, h/w	
		Helen Pecora	
		Dorothy Chohrach	
		Patricia A. Cooney Nancy Irwin Singer	
		James C. Irwin	
		Jeannette Irwin Prout	
		St. John's Evangelical Protestant Chruch	
		Nelson James Hennen, Jr.	
		Francis J. Waldron Hennen	
		Delores Ann Hennen Bryant	
		Clark H. Hennen	
		Ronald Fordyce James Cox	
		James Cox Frank Hennen	
		Frank Hennen	
		Carol A. Irwin	11/17/2
		Bernard A. Yocke	
TID	SURFACE OWNER	LESSOR	PIN
9	Consol Mining Company LLC	Bounty Minerals, LLC	1-9-31
		John E. Stankola	
	441	APIWE	ELL NO

		GE 7 OF 8		ē l
ACT ID	SURFACE OWNER	LESSOR	PIN	
23	Consol Mining Company LLC	Roger Goodwin and Ilene Goodwin, his wife Consolidation Coal Company	1-9-5	
		CONSOL Mining Company LLC		
		CNX Resource Holdings LLC		
ACTID	SURFACE OWNER	LESSOR	PIN	
30	Seth Allen Moore	Douglas A. Church	1-9-4	
		Terra Firma Company		
	1	CNX Land LLC		
ACTID	SURFACE OWNER	LESSOR	PIN	
31A	Melinda Tennant	Charles W. Long and Melinda Tennant, JTROS	1-9-3	
ACTID	SURFACE OWNER	LESSOR	PIN	
31B	Consol Mining Company LLC	Deborah K. Metz and Terry D. Metz, w/h	1-9-3.2	
		Consolidation Coal Company		
		CONSOL Mining Company LLC		
		CNX Resource Holdings LLC		
ACTID	SURFACE OWNER	LESSOR	PIN	
32	Mike J. Prendergast, et ux	Mike J. Prendergast and Thelma M. Predergast	1-9-3.1	
ACTID	SURFACE OWNER	LESSOR	PIN	
			1-9-1	
33A	Robert L. Slider, et ux, et al	Larry Charles Taylor, individually and as trustee for the	1-9-1.1	
		Generation-Skipping Trust FBO Larry Charles Taylor	1-9-1.3	
		Samata Taylor-Sturm, a/k/a Dixie Taylor-Sturm and Michael	1-9-1.4	
		Douglas Sturm		
		Linda Suzann Miller, individually and as trustee for the		
		Generation-Skipping Trust FBO Linda Suzann Miller		
		Chrysanthe E. Taylor a/k/a Chris Taylor		
ACTID	SURFACE OWNER	LESSOR	PIN	
36	Wolfe Kids LLC	XTO Energy Inc.	1-2-6	
_		Shuman Inc.		
		Noumenon Corporation		
		O-Max Coal Company		
ACTID	SURFACE OWNER	LESSOR	PIN	
51A	Monongalia County Coal Resources Inc.	XTO Energy, Inc.	1-2-1	
		Regina Schrimper		
		Latricia Estridge		
		Jon Walton		
		Ellis Shannon McCreadie		
		Anna Marie Boortz		
		Dora Irene Antel Six		
		Virginia L. Smalley		
		Judith Six		
		Alice Clara Conwell, a/k/a Alice Claire Conwell Sarah E. Roark, f/k/a Sarah E. McCreadie		
		Clareen Frances Gomez		
		Gregory Joseph Kleinhenz		
		MP&G Legacy Holding LLC		
		Stanhagen Legal Limited Liability Company		
		Accord Land Services, LLC		
		Wild Thing Barnstormers, LLC		
		David M. McCallum		
		Marjorie Oakley		
		Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w		
		Laura Lee Cook		
		William N. Richards, a/k/a William Nelson		
		Pamela Colleen Dillon		
		John C. Richards		
		Norita Hinerman		
		Phyllis Ann Richards		
		Douglas Grant Richards, a/k/a Grant Douglas Richards		
		Michael Stephen Kleinhenz Mark Anthony Kleinhenz		
		Andrea Lee Chapman		
		Andrea Lee Chapman Anthony Francis Kleinhenz		
		Carol Marie Murray		
		Barbara Ann Dillon		
		Linda Samuels		
				11/17/20
		Jimmie Kyle Core		
		Donna DiPietrantonio, f/k/a Donna Romey		
		Wilma Arlene Coffey		
		Monongalia County Coal Company		
			API WELI	NO
				1.112-1120-1120-1120-1120-1120-1120-1120

CNIV	WDTN18CHSM		
CINX	Gas Company LLC	PAGE 8 OF 8	
TRACT ID	SURFACE OWNER	LESSOR	PIN
51B	Monongalia County Coal Resou	es Inc. Wild Thing Barnstormers, LLC	1-2-1
		Accord land Services, LLC	
		Stanhagen Legal LLC	
		MP&G Legacy Holding, LLC	
		Regina Schrimper	
		Latricia Estridge	
_		Jon Walton	
		Ellis Shannon McCreadie	
		Sarah E. Roark, f/k/a Sarah E. McCreadie	
		Anna Marie Boortz	
		Virginia Smalley	
University and a		Clareen Frances Gomez	
		Timothy Michael Kleinhenz and Verallen M. Kleinhe	nz, h/w
		Gregory Joseph Kleinhenz	
		Dora Irene Antel Six	_
		Alice Clara Conwell, a/k/a Alice Clarie Conwell	
		Judith Six	
		Marjorie Oakley	_
		David M. McCallum	
		Michael Stephen Kleinhenz	
		Mark Anthony Kleinhenz	
		Andrea Lee Chapman	
		Anthony Francis Kleinhenz	
		Carol Marie Murray	
		Barbara Ann Dillon	
		Linda Samuels	
		Jimmie Kyle Core	
		Donna DiPietrantonio, f/k/a Donna Romey	
		Wilma Arlene Coffey	
		Monongalia County Coal Company	
TRACT ID	SURFACE OWNER	LESSOR	PIN
52B	Cucumber Tree Farm In	Cucumber Tree Farm, Inc.	1-1-9
		Mountain V Oil & Gas, Inc.	
		Hayden Harper Energy Pennsylvania, LLC	
		Bluestone Energy Partners	
		Antero Resources Bluestone LLC	
		Antero Resources Appalachian Corporation	
		Energy Corporation of America	
		EQT Production Company	

RECEIVED Office Of Oil and Gas

NOV -1: 1

WV Department of Environmental Protection1/17/2023

		API W	/ELL NO		
VENCEONE	47	-	061	-	01946
CONSULTANTS, LLC	STATE		COUNTY		PERMIT
CONSULIANIS, LLC					

WW-6A1 (5/13) Operator's Well No. WDTN18CHSM

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:

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

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NOV -1 2013

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:
\smile	MAL	archi	SARAH WEIGAND	By:
		IG SERVICES	MANAGER PERMIT	Its:
	V	NG SERVICES		Its:

11/17/2023

Page 1 of 5

11/17/2023

1	Tax Map &		Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel 1-9-37	# 189033000	Consol Mining Company LLC	Bounty Minerals, LLC	LOLA Drilling I, LLC	Not less than 1/8	1586/325
	1-12-7			Bounty Minerals III Acquisitions, LLC	LOLA Drilling I, LLC	Not less than 1/8	1586/328
_				LOLA Drilling I, LLC Rice Drilling B, LLC	Rice Drilling B, LLC CNX Gas Company LLC	Assignment Assignment	133/752 159/809
t ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
A	Parcel 1-9-36	# 189015000	Consol Mining Company LLC	Martha Sue Kerr	Antero Resources Corporation	Not less than 1/8	1577/294
			conserving company coo	Larry A. Kerr Antero Resources Corporation	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	1577/297 133/438
				Bruce Scott Carpenter	CNX Gas Company LLC	Not less than 1/8	1527/680
				Patti Carpenter	CNX Gas Company LLC	Not less than 1/8	1527/684
				Bruce P. Carpenter Jeannine Osmanski and Robert E. Osmanski, w/h	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1527/688
act ID	Tax Map &		Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
8C	Parcel 1-9-36	# 189015000	Consol Mining Company LLC	Martha Sue Kerr	Antero Resources Corporation	Not less than 1/8	1577/294
				Larry A. Kerr Antero Resources Corporation	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	1577/297 133/438
				Bruce Scott Carpenter	CNX Gas Company LLC	Not less than 1/8	1527/680
				Patti Carpenter Bruce P. Carpenter	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1527/684
				Jeannine Osmanski and Robert E. Osmanski, w/h Rodney A Clovis	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1527/692 1790/332
				Christopher Lance Clovis Timothy Steele Clovis a/k/a Timothy 5. Clovis	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1790/337 1790/342
				Clinton Alan Clovis a/k/a Clint Clovis Robin L. Clovis Wade a/k/a Robin Lynn Clovis	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1790/567
				James Douglas Campbell	CNX Gas Company LLC	Not less than 1/8	1795/347
				Robert York Uren Pennie Mae Gurley	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1813/109 1808/134
				Tiffany May Coker and Micahel D. Coker, w/h Joseph Allen Campbell and Kathryn Ernst Campbell, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1810/526 1799/356
				Dorothy Ione Harcum David Hilirion Campbell and Sheryl L. Campbell, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1799/831 1808/844
				Regina Kay Orfanos and Anthony Orfanos, w/h Michelle Law	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1800/26 1795/367
				Tina Law Robin Lynn Campbell	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1796/50 1792/706
				Susan Cale Teter and Gary Teter, w/h John Edward Cale	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1794/197 1794/202
				Karen L. Haught and Jimmie A. Haught, w/h Edwin R. White a/k/a Eddie White and Patricia White, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1789/455
				Cherrie Anderson Yost a/k/a Cherrie Anderson Yost	CNX Gas Company LLC	Not less than 1/8	1792/276
				Douglas Yost David Yost	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/50 1794/177
				Nancy Bohannon Mary Jo Morris	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1793/723 1794/172
				Janet Egland David Allen Jolliffe and Donna Sue A. Jolliffe, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1804/623 1793/728
				Lisa Ellen May and Gary A. May, w/h William James Shannon	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/676
_				Nancy Paulovicks Robert Owens and Earlene Owens, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1800/11 1795/372
				Mary Ellen Bell Martha Ann Prince	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/681
	_			Charles R. Delaney Shawn Delaney	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/701 1794/182
				Larry Delaney	CNX Gas Company LLC	Not less than 1/8	1794/192
				George William Cummins, Jr. Lee E. Delaney and Shannon Delaney, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1793/165
				Susan D. Delaney Joseph S. Delaney	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1795/362 1795/404
				Michael S. Delaney and Susan Delaney, h/w Nola Chisler and Charles D. Chisler, w/h	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1795/357 1792/286
				Jay Park and Carolyn S. Park, h/w Donna J. Glaspell a/k/a Donna J. Snyder	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/297 1792/281
				Debra Lynn Lundgren Cheryl Darlene Fordyce	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1792/711 1797/412
				Robert Henderson Fordyce a/k/a Robert H. Fordyce and Patricia A. Fordyce, h/w	CNX Gas Company LLC	Not less than 1/8	1797/417
				Martha Sue Cvechko and John M. Cvechko, w/h Brenda Lou Painter f/k/a Brenda Lou Henderson	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1801/154 1801/159
				Cheryl Lynn Stout James Michael Cale and Laura W. Cale, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1795/352 1795/377
				John Smith Robert L. Smith a/k/a Bob Smith and Carol Smith, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1796/45 1796/31
	_			William M. Smith a/k/a Bill Smith and Ruth C. Smith, h/w Greg Rowland and Brady Rowland, h/w	CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1796/40
				Carol Neal	CNX Gas Company LLC	Not less than 1/8	1798/83
				William F. Henderson a/k/a Willaim F. Hendeson a/k/a Bill Henderson Steve Edward Henderson	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1798/88 1798/68
				Matthew David Stiles Mark Douglas Stiles, a/k/a Mark Dougas Stiles	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1813/103 1814/123
				Marcia Stiles Batson James Aspinall and Marion Aspinall, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1817/582 1810/532
_				Robert S. Elliott Robert Scott Davis and Jennifer Davis, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1797/402 1792/45
_				Joen Ray Harker Jo Ann Henderson	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	164/500 164/500
				John Gentner Taylor Nicole Best	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	164/500
				Kevin Russell Beasley	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	164/500 164/500
_				Magnus Audbjorn Sonofthor Shannon Renee Sutton	CNX Gas Company LLC	Not less than 1/8	164/500
				Jessica Bergevine	CNX Gas Company LLC	Not less than 1/8	164/500
				Drema L. Howard Arnold Lebron Uren	CNX Gas Company LLC CNX Gas Company LLC	Fee Fee	1789/722
				Victor A. White CNX Resource Holding LLC	CNX Gas Company LLC CNX Gas Company LLC	Fee Fee	1794/213 1820/493
act ID	Tax Map &	Title Opinion	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
9	Parcel 1-9-32	QLS # 188616000	Consol Mining Company LLC	Paul Reeder, single and Doris L. Wenck, single	Consolidation Coal Company	Fee	1309/433
č.	1-9-33		company LLC	Consolidation Coal Company	CONSOL Mining Company LLC	Ouitclaim	1489/107
				CONSOL Mining Company LLC	CNX Resource Holdings LLC	Quitclaim	1603/78
				CNX Resource Holdings LLC	CNX Gas Company LLC	Quitclaim	1667/86
		Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page

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	1-9-38	203527000	Consol Mining Company LLC	Eastern Associated Coal Corporation	CNX Gas Company LLC	Fee	1267/233
ract ID	Tax Map & Parcel	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
18C	1-9-20	188573000	CNX RCPC LLC	Milan W. Cikovich, Jr. and Susan K. Cikovich	EQT Production Company	Not less than 1/8	1642/416
					43. 42.		1644/14
_				Joseph Muto Steven E. Hennen	EQT Production Company	Not less than 1/8	1639/173
				Gregory S. Clark	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	1629/750 1623/91
-				Carl J. Woods	EQT Production Company	Not less than 1/8	1629/758
				Mark A. Clark Beverly A. Tonge	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	1623/89 1623/93
_				Wanda Lee Shaffer	EQT Production Company	Not less than 1/8	1625/95
-				Denzil L. Hennen and Bonnie L. Hennen, h/w	EQT Production Company	Not less than 1/8	1630/675
				Eugene D. Hennen Nancy K. Haddix	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	1629/762
				Carolyn S. Moore and James E. Moore, w/h	EQT Production Company	Not less than 1/8	1622/447
				Charlie Fudge Mary Sargent Hennen	EQT Production Company	Not less than 1/8	1635/643
-				Belinda T. Shriver and Charles C. Shriver, w/h	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	1657/124
				Donna K. Wickham	EQT Production Company	Not less than 1/8	1622/445
-				Denise Mitchell Marjorie Woods White	EQT Production Company	Not less than 1/8	1629/746
				James R. Hennen, Jr.	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	1629/754
_				Judy Kay Marshall Graham Marshall, h/w	EQT Production Company	Not less than 1/8	1647/824
-				Mary Virginia Davis EQT Production Company	EQT Production Company	Not less than 1/8	1647/822
				Ecci Production Company	CNX Gas Company LLC	Assignment	159/809
_				Donna R. Hennen	WOG Leasing, LLC	Not less than 1/8	1800/218
-				WOG Leasing, LLC	CNX Gas Company LLC	Assignment	161/362
				Betty Short	CNX Gas Company LLC	Not less than 1/8	1639/552
_				Don Fordyce	CNX Gas Company LLC	Not less than 1/8	1639/567
-				Mildred Louise Walton	CNX Gas Company LLC	Not less than 1/8	1803/723
_				Linda S. Sansone and Charles F. Sansone, w/h Karen S. Gray	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1807/789
				Helene M. Muetzel	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1650/660
				Cecil Hennen	CNX Gas Company LLC	Not less than 1/8	1826/836
-				Roger L. Pratt Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and	CNX Gas Company LLC	Not less than 1/8	1808/146
				Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust f/b/o Francine R. Cinkovich	CNX Gas Company LLC	Not less than 1/8	1648/731
_							
-				Melissa Ann Hennen Limbaugh Three Rivers Royalty II, LLC	CNX Gas Company LLC	Not less than 1/8	1655/291
				Connie Jean Thompson Hennen	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1616/658
_				Ralph E. Hixenbaugh	CNX Gas Company LLC	Not less than 1/8	1656/354
-				Richard P. Hennen	CNX Gas Company LLC	Not less than 1/8	1648/694
				Bonnie Lee Hennen Winnen David L. Liming and Nancy A. Liming, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1644/109 1520/797
				Herbert Lee Haines and Linda R. Haines, h/w	CNX Gas Company LLC	Not less than 1/8	1804/302
-				Helen Pecora	CNX Gas Company LLC	Not less than 1/8	1636/803
-				Dorothy Chohrach Patricia A. Cooney	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1636/813
				Nancy Inwin Singer	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1639/562 1636/808
_				James C. Irwin	CNX Gas Company LLC	Not less than 1/8	1639/572
-				Jeannette Invin Prout St. John's Evangelical Protestant Chruch	CNX Gas Company LLC	Not less than 1/8	1645/112
				Nelson James Hennen, Jr.	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1648/700 168/222
						Horress than are	100/222
				Francis J. Waldron Hennen	CNX Gas Company LLC	Fee	1638/794
				Delores Ann Hennen Bryant Clark H. Hennen	CNX Gas Company LLC CNX Gas Company LLC	Fee Fee	1640/737 1650/594
				Ronald Fordyce	CNX Gas Company LLC	Fee	1650/594
_				James Cox	CNX Gas Company LLC	Fee	1653/690
-				Frank Hennen Frank Hennen	CNX Gas Company LLC CNX Gas Company LLC	Fee	1661/213
				Carol A. Irwin	CNX Gas Company LLC	Fee Fee	1680/131 1638/798
_				Bernard A. Yocke			
					CNX Gas Company LLC	Fee	1639/588
ID	Tax Map &	Title Opinion OLS	Surface Owner	Grantor Lesson etc			
	Parcel	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Fee Royalty	
			Surface Owner CNX RCPC LLC	<u>Grantor, Lessor, etc</u> Milan W. Cikovich, Jr. and Susan K. Cikovich			Book/Page 1642/416
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich	Grantee, Lessee, etc EQT Production Company	Royalty Not less than 1/8	Book/Page 1642/416 1644/14
	Parcel	#			Grantee, Lessee, etc EQT Production Company EQT Production Company	Royalty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark	Grantee, Lessee, etc EQT Production Company EQT Production Company EQT Production Company EQT Production Company	Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1629/750 1623/91
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen	Grantee, Lessee, etc EQT Production Company EQT Production Company EQT Production Company EQT Production Company EQT Production Company	Boyalty 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	Book/Page 1642/416 1644/14 1639/173 1629/750 1623/91 1629/758
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Beerely A. Tonge	Grantee, Lessee, etc EQT Production Company EQT Production Company EQT Production Company EQT Production Company	Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1629/750 1623/91
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Deverly A. Tonge Wanda Lee Shaffer	Grantee, Lessee, etc EQT Production Company	Royalty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1629/750 1623/93 1623/93 1623/93 1623/738
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Beerefy A. Tonge Beerefy A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w	Grantee, Lessee, etc EQT Production Company EQT Production Company	Boyalty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1629/750 1623/91 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93
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	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Beerely A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Haddix Carolyn S. Moore and James E. Moore, w/h	Grantee, Lessee, etc EQT Production Company	Boyalty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1623/73 1623/73 1623/93 1623/93 1623/93 1623/93 1633/675 1623/701 1622/147
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Met A. Clark Bezerty A. Jonge Wanda Lee Shaffer Derzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Hados and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h	Grantee, Lesse, etc EQT Production Company	Boyelty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1623/750 1623/95 1623/93 1623/93 1623/93 1623/97 1623/97 1623/101 1622/42 1623/101 1622/42 1632/563
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Beerely A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Haddix Carolyn S. Moore and James E. Moore, w/h	Grantee, Lessee, etc EQT Production Company	Boyalty Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1623/75 1623/75 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/101 1622/47 1635/643 1657/124
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mark A. Clark Beerefy A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Manry K. Haddix Carolyn S. Moore and James E. Moore, w/h Charlie Fudge Mary Sargent Hennen Belinda T. Shriver and Charles C. Shriver, w/h Donna K. Wickham	Grantee, Lesse, etc EQT Production Company	Boyelty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1639/173 1623/750 1623/95 1623/93 1623/93 1623/93 1623/97 1623/97 1623/101 1622/42 1623/101 1622/42 1632/563
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gragory S. Clark Carl J. Woods Mark A. Clark Bezerly A. Tonge Wanda Lee Shafer Denzil L. Hennen and Bonnie L. Hennen, h/w Exgene D. Hennen Nancy K. Hinddik Carolyn S. Moore and James E. Moore, w/h Charlie Fuige Belnda T. Shirver and Charles C. Shriver, w/h Donna K. Wickham Donna K. Wickham	Grantee, Lessee, etc EQT Production Company	Boyalty Not less than 1/8 Not less than 1/8	Book/Page 1642/416 1644/14 1633/173 1623/750 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/14 1622/445 1622/445 1622/445 1623/746
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	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Joseph Muto Steven E. Hennen Gragory S. Clark Call. Woods Mark A. Clark Gal. Woods Mark A. Clark Gezelty A. Tonge Wanda Lee Shafer Denzil L. Hennen a Bonnie L. Hennen, h/w Egrere D. Hennen Nancy K. Haddix Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Consol Forder and James E. Moore, w/h Donna K. Wickham Denise Mitchwer and Charles C. Shriver, w/h Donna K. Wickham Denise Mitchel Bawis EGI Production Company Donna R. Hennen, Jr. Judy Kay Marshall Graham Marshall, h/w Mary Virgina Davis EGI Production Company Donna R. Hennen WoG Lexing, LLC Berty Short Don Fordyce Mildred Louise Walton Linda S. Sansone and Charles F. Sansone, w/h Karen S. Gray Helene M. Muetzel Cedi Hennen Roger L. Fratt Milan W. Cikovich Testamentary Trust (Jb/o Francine R. Cinkovich Melissa Ann Hennen Limbaugh Three Rivers Royalty ILLC Connie Jean Thompson Hennen	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyelty Not less than 1/8	Book/Page Book/Page 1642/416 1644/141 1639/130 1623/91 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1639/752 1633/101 1652/441 1655/124 1655/124 1639/752 1647/822 1647/822 1647/824 1647/822 1639/552 1
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Noods Mith A. Cink Beerdry A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Hiddait Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Donna K. Wickham Denise Mitchell Marjorie Woods White James R. Hennen, Jr. Judy Kay Marshall Graham Marshall, h/w Mary Virginia Davis ECI Production Company Donna R. Hennen WOG Leosing, LIC Betty Short Don Fordyce Mildred Louise Walton Milan W. Cikovich Testamentary Trust (Jb/o Francine R. Cinkovich Melisa Ann Hennen Limbaugh Three Niens Royalty ULCC	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyelty Not less than 1/8 Not	Book/Page Book/Page 1642/416 1643/13 1629/130 1623/91 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1632/45 1632/45 1632/45 1632/746 1632/745 1647/822 1647/822 1647/822 1639/155 1647/822 1639/55 1
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gragory S. Clark Carl J. Woods Mark A. Clark Beredty A. Tonge Wanda Lee Shaffer Dornäl L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Haddsmann Robert A. Clark Carolyn S. Moore and James E. Moore, w/h Charlis Fulge Marry K. Haddsmann Belind AT. Shirwer and Charles C. Shriver, w/h Donna K. Wickham Denise Mitchell Mary Virginia Davis EQI Production Company Donna R. Hennen WOG Leasing, LLC Betty Short Donn Greyce Mildred Louise Walton Hidred Hennen Weissa Am Hennen Umbaugh Milare W. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust I/b/o Francine R. Cinkovich Milare M. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust I/b/o Francine R. Cinkovich Milare Hennen Limbaugh Three Niers Royalty II, LLC Connine Lean Thompson Hennen Ralph E. Hiene	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyelty Not less than 1/8	Book/Page Book/Page 1642/416 1644/141 1639/130 1623/91 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1639/752 1633/101 1652/441 1655/124 1655/124 1639/752 1647/822 1647/822 1647/824 1647/822 1639/552 1
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Mirk A. Clark Deserty A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Anary, K. Haddix Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Control F. Mirker and Charles C. Shriver, w/h Donns K. Wickham Denise Mitchell Maryot Wuods White James R. Hennen, Jr. Judy Kay Marshall Graham Marshall, h/w Mary Virginia Davis ECI Production Company Donna R. Hennen WOG Lessing, LLC Berty Short Doon fordyce Mildred Louise Walton Linda S. Sansone and Charles F. Sansone, w/h Reams. Srigy Helene M. Muetzel Cecil Hennen Roger L. Pratt Milan W. Cikovich Testamentary Trust (J/b/o Francine R. Cinkovich Mellisa Ann Hennen Imbaugh Reider J. Hisenbaugh Reider A. Hisenbaugh Role Les Hennen Rajeh E. Hisenbaugh Rolard Les Hennen Rajeh E. Hisenbaugh Rolard L. Hennen Rajeh E. Hisenbaugh Rolard L. Hennen Bonnie Lee Hennen Mensen Bonnie Lee Hennen Bonnie Lee Hennen Mensen Bonnie Lee Hennen Bonnie Le	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyelty Not less than 1/8	Book/Page Book/Page 1642/416 1643/13 1623/13 1623/13 1623/13 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1652/441 1622/442 1623/741 1639/752 1647/822 159/809 159/809 1639/567 1639/567 1639/562
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gragory S. Clark Carl J. Woods Mint A. Cinx Bezerly A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Hadoman and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Hadowand James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Denle M. Twirver and Charles C. Shriver, w/h Donna K. Wickham Denise Michell Mary Sargent Hennen, Jr. Judy Kay Marshall Graham Marshall, h/w Mary Virgina Davis EQT Production Company Donna R. Hennen VOG Lossing, LLC Betty Short Don fordyce Mildred Louise Walton Lindra S. Sansome and Charles F. Sansone, w/h Karens J. Gray Helene M. Muttell Cecil Hennen Roger L. Pratt Milan W. Cikovich, Testamentary Trust I/b/o Francine R. Cinkovich Melissa Am. Hennen Umbaugh Thr	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyalty Not less than 1/8 Not	Book/Page Book/Page 1642/416 1648/14 1639/173 1623/750 1623/750 1623/950 1623/950 1623/950 1623/950 1623/750 1639/752 1639/762 1632/454 1632/454 1632/454 1632/754 1632/754 1632/754 1632/754 1637/752 1639/572 1639/572 1639/552 16
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gregory S. Clark Carl J. Woods Steven E. Hennen Gregory S. Clark Carl J. Woods Muth Deserty A. Tonge Wanda Lee Shaffer Denail L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Mary K. Haddix Carolyn S. Moore and James E. Moore, w/h Carolyn S. Moore and James E. Moore, w/h Charlie Fudge Mary Sargent Hennen Belind AT. Shriver and Charles C. Shriver, w/h Donna K. Wickham Denise Mitwer and Charles C. Shriver, w/h Donna K. Wickham Denise Mitwer and Charles C. Shriver, w/h Donna K. Wickham Denise Mitwer and Charles C. Shriver, w/h Donna K. Wickham Donise Mitchell Marjorie Woods White James R. Hennen, Jr. Judy Kay Marshall Graham Marshall, h/w Mary Virginia Davis ECI Production Company Donna R. Hennen WOG Lessing, LIC Betty Short Doon Fordyce Mildred Louise Walton Linda S. Sansone and Charles F. Sansone, w/h Karen S. Grey Helene M. Muetzel Cecil Hennen Roger L. Pratt Milan W. Cikovich Testamentary Trust (J/b/o Francine R. Cinkovich Melissa Ann Hennen InBaugh Three Rivers Royally II, LC Connie Ivan Marshall, h/w Mether Lee Haines and Linda R. Haines, h/w Helen Pecroa	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyelty Not less than 1/8	Book/Page Book/Page 1642/416 1643/131 1639/133 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1623/93 1633/101 1622/445 1629/742 1629/742 1629/742 1629/742 1639/552 1647/822 159/800 1563/723 1800/218 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552 1639/552
	Parcel	#		Milan W. Cikovich, Jr. and Susan K. Cikovich Joseph Muto Steven E. Hennen Gragory S. Clark Carl J. Woods Mint A. Cinx Bezerly A. Tonge Wanda Lee Shaffer Denzil L. Hennen and Bonnie L. Hennen, h/w Eugene D. Hennen Nancy K. Hadoman Mames E. Moore, w/h Carlyn S. Moore and James E. Moore, w/h Charlis Luige Mary X. Findhwar and Charles C. Shriver, w/h Denise Micheel Denise Michell Mary Sargent Hennen Denise Michell Mary Virgina Davis EQT Production Company Donna R. Hennen VOG Lossing, LLC Betty Short Don fordyce Milder Uouide Walton Lindra S. Sarsome and Charles F. Sansone, w/h Karen Karen M. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust (Jb/o Francine R. Cinkovich Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust (Jb/o Francine R. Cinkovich Milan W. Cikovich, Jr. and Christine Michelle Parktrustees of the Amended and Restated Milan W. Cikovich Testamentary Trust (Jb/o Francine	Grantee, Lessee, etc EQT Production Company EQT Production Comp	Boyalty Not less than 1/8 Not	Book/Page Book/Page 1642/416 1648/14 1639/173 1623/750 1623/93 1623/93 1623/93 1623/759 1623/93 1623/759 1623/759 1623/751 1623/751 1623/744 1652/144 1652/144 1652/744 1652/744 1639/752 1639/752 1639/752 1639/752 1639/55 1639/552 1639/55

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	-			Jeannette Irwin Prout	CNX Gas Company LLC	Not less than 1/8	1645/11
	-			St. John's Evangelical Protestant Chruch	CNX Gas Company LLC	Not less than 1/8	1648/70
				Nelson James Hennen, Jr.	CNX Gas Company LLC	Not less than 1/8	168/22
				Francis J. Waldron Hennen	CNX Gas Company LLC	Fee	1638/79
				Delores Ann Hennen Bryant	CNX Gas Company LLC	Fee	1638/79
				Clark H. Hennen Ronald Fordyce	CNX Gas Company LLC	Fee	1650/59
				James Cox	CNX Gas Company LLC CNX Gas Company LLC	Fee	1640/74
				Frank Hennen	CNX Gas Company LLC CNX Gas Company LLC	Fee	1653/69
				Frank Hennen	CNX Gas Company LLC	Fee	1680/13
		-		Carol A. Irwin Bernard A. Yocke	CNX Gas Company LLC	Fee	1638/79
					CNX Gas Company LLC	Fee	1639/58
ract ID		Title Opinion QL	S Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pa
19	Parcel 1-9-31	# 293176000	Consol Mining Company LLC				prong. of
10	1-9-31	293170000	Consol Mining Company LLC	Bounty Minerals, LLC John E. Stankola	CNX Gas Company LLC	Not less than 1/8	1644/31
				John C. Starikola	CNX Gas Company LLC	Not less than 1/8	1735/82
ract ID		Title Opinion QL	5 Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
29	Parcel 1-9-5	# 188562000	Consol Mining Company LLC	Roger Goodwin and Ilene Goodwin, his wife			
		100502000	consol winning company LLC	Consolidation Coal Company	Consolidation Coal Company CONSOL Mining Company LLC	Fee	1309/67
				CONSOL Mining Company LLC	CNX Resource Holdings LLC	Quitclaim Quitclaim	1489/10 1603/78
				CNX Resource Holdings LLC	CNX Gas Company LLC	Quitclaim	1666/71
ract ID	Tax Map 8	k Title Opinion QLS	5 Surface Owner	Grantor, Lessor, etc			_
	Parcel	#		Grantor, cessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
30	1-9-4	188561000	Seth Allen Moore	Douglas A. Church	Terra Firma Company	Fee	1295/14
				Terra Firma Company	CNX Land LLC	Merger	60/312
				CNX Land LLC	CNX Gas Company LLC	Quitclaim	1666/70
ract ID	Tax Map 8	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Pountu	Beel /Dee
	Parcel	#			Grander, cessee, etc.	Royalty	Book/Pag
31A	1-9-3	188560000	Melinda Tennant	Charles W. Long and Melinda Tennant, JTROS	CNX Gas Company LLC	Not less than 1/8	1510/803
ract ID	Tax Map 8	Title Opinion QLS	Surface Owner	Granter Laws at			
	Parcel	#	Surace Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
318	1-9-3.2	188560000	Consol Mining Company LLC	Deborah K. Metz and Terry D. Metz, w/h	Consolidation Coal Company	Fee	1305/1
				Consolidation Coal Company	CONSOL Mining Company LLC	Quitclaim	1489/10
				CONSOL Mining Company LLC CNX Resource Holdings LLC	CNX Resource Holdings LLC	Quitclaim	1603/78
				onvincionee notalligs (cc	CNX Gas Company LLC	Quitclaim	1716/64
ract ID		Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
32	Parcel	# 189593000		Charles and Marine Marine Marine Strength			book/Pag
32	1-9-3.1	193233000	Mike J. Prendergast, et ux	Mike J. Prendergast and Thelma M. Predergast	CNX Gas Company LLC	Not less than 1/8	1508/850
ract ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Describes	- 1.fr
224	Parcel	#			Stance, Lessee, etc	Royalty	Book/Pag
33A	1-9-1 1-9-1.1	189590000	Robert L. Slider, et ux, et al	Larry Charles Taylor, individually and as trustee for the Generation-Skipping Trust	CNX Gas Company LLC	Not less than 1/8	1511/142
	1-9-1.1			FBO Larry Charles Taylor		1 St.	
	1-9-1.4						
				Samata Taylor-Sturm, a/k/a Dixie Taylor-Sturm and Michael Douglas Sturm	CNX Gas Company LLC	Not less than 1/8	1512/752
				Linda Suzann Miller, individually and as trustee for the Generation-Skipping Trust	CNX Gas Company LLC	Not less than 1/8	
				FBO Linda Suzann Miller Chrysanthe E. Taylor a/k/a Chris Taylor	Child Care Comments		1512/200
					CNX Gas Company LLC	Not less than 1/8	1512/756
ract ID		Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
36	Parcel 1-2-6	# 189588000	Wolfe Kids LLC				
-			wone Kius LLC	XTO Energy Inc. Shuman Inc.	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1639/585
				Noumenon Corporation	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1736/212
				O-Max Coal Company	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1/31/229
act ID	Tax Map &	Title Opinion QLS	Surface Owner	Grantes 1			
	Parcel	#	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
51A	1-2-1	189460000	Monongalia County Coal Resources Inc.	XTO Energy, Inc.	CNX Gas Company LLC	Not less than 1/8	1639/585
				Regina Schrimper	CNX Gas Company LLC	Not less than 1/8	1652/16
				Latricia Estridge Jon Walton	CNX Gas Company LLC	Not less than 1/8	1652/46
				Ellis Shannon McCreadie	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1651/793
				Anna Marie Boortz	CNX Gas Company LLC	Not less than 1/8	1656/770
_				Dora Irene Antel Six	CNX Gas Company LLC	Not less than 1/8	1663/11
-				Virginia L. Smalley Judith Six	CNX Gas Company LLC	Not less than 1/8	1661/277
				Alice Clara Conwell, a/k/a Alice Claire Conwell	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	1664/181
						Not for all and the	
				Sarah E. Roark, f/k/a Sarah E. McCreadie	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	
				Clareen Frances Gomez	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636
				Clareen Frances Gomez Gregory Joseph Kleinhenz	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/626
				Clareen Frances Gomez Gregory Joseph Kleinhenz MP&G Legacy Holding 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	1680/447 1685/636 1685/626 1733/414
				Clareen Frances Gomez (Gregory Joseph Kleinhenz MP&G Legacy Holding LLC Stanhagen Legal Limited Lability Company Accord Land Services, LLC	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/626 1733/414 1734/284
				Clareen Frances Gomez Gregory Joseph Kleinhenz MP&G Legazy Holding LLC Stanhagen Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/626 1733/414 1734/284 1734/274
				Clareen Frances Gomez (Careen Frances Meinhenz MP&SG Legacy Holding LLC Stanhagen Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/636 1733/414 1734/284 1734/274 1734/274 1734/279 1751/656
				Clareen Frances Gomez Cregory Joseph Kleinhenz MP&G Legacy Holding LLC Stanhagen Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjoric Oakley	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/630 1685/620 1733/414 1734/284 1734/274 1734/279 1751/656 1805/450
				Clareen Frances Gomez (Careen Frances Gomez MP&G Legacy Holding LLC Stanhagen Legal Limited Lubility Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjorie Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Loura Lee Cook	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/437 1685/636 1685/626 1733/414 1734/284 1734/274 1734/279 1751/656 1805/450 1646/430
				Clareen Frances Gomez (Gregory Joseph Kleinhenz) MP&G Legacy Holding LLC Stanhagen Legal Limited Liability Company Accord Land Services, LLC David M. McCalloum MarJoric Oakley Timothy Michaek Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/626 1733/414 1734/284 1734/274 1734/279 1751/656 1805/450 1646/430 1651/813
				Clareen Frances Gomez Crescoy Joseph Kleinhenz MP&G Legacy Holding LLC Stanhagen Legal Limited Lubility Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Pamela Colleen Dillon	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/630 1685/630 1733/414 1734/274 1734/274 1734/279 1751/655 1805/450 1646/430 1651/813 1651/813
				Clareen Frances Gomez (Gregory Joseph Kleinhenz) MP&G Legacy Holding LLC Stanhagen Legal Limited Liability Company Accord Land Services, LLC David M. McCalloum MarJoric Oakley Timothy Michaek Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/626 1733/414 1734/284 1734/279 1751/656 1805/450 1646/430 1651/813 1655/762 1664/784
				Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-& Legaxy, Holding, LLC Stanhagen, Legal Limited Liability, Company Accord Land Services, LLC David M. McCallum Marjoric Oakley Timothy Michaek Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Parnela Colleen Dillon Jahn C. Richards Norita Hinerman Phyllis Ann Richards	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/472 1685/626 1685/626 1733/414 1733/424 1734/274 1734/274 1734/279 1751/656 1805/450 1664/783 1653/712 1664/784 1663/71
				Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&&G Legary, Holding, LLC Stanhagen, Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M., McCallum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M., Kleinhenz, h/w Laura Lee Cook William N., Richards, a/k/a William Nelson Pamela Colleen Dillon Lehn C., Richards David M., McCant Richards Phyllis Kan Richards, m/k/a Grant Douglas Richards	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/630 1685/630 1733/414 1734/224 1734/224 1734/229 1751/655 1805/450 1665/813 1651/813 1655/762 1664/784 1663/716
				Clareen Frances Gomez Creegor, Vaseph Kleinhenz, MPR-6 Legacy, Holding LLC Stenhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barrotomers, LLC David M. McCallum Marjorie Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Jaura Lec Cook, Jaura Cook, Jaura Cook, Jaura Cook, Jaura Lec Cook, Jaura Cook, Jaura Lec	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/636 1685/636 1733/414 1734/284 1734/284 1734/279 1751/656 1805/450 1664/730 1651/818 1655/762 1664/734 1666/711 1664/1264 1876/525
				Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&&G Legary, Holding, LLC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Pamela Colleen Dillon Jahn C. Richards Jahn C. Richards Norlta Hinerman Phylis Kann Richards Douglas Grant Richards Michael Stephenx Kleinhenz Michael Stephenx Kleinhenz	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/630 1685/620 1733/414 1734/224 1734/224 1734/229 1731/65 1805/450 1646/430 1653/762 1664/784 1665/712 1664/726 1664
				Clareen Frances Gomez (clareen Frances Gomez (respor, Joseph Kleinhenz) MP&G Legary, Holding LUC Stanhagen Legal Limited Liability Company Accord Land Services, LUC Wild Thing Barnstormers, LUC David An. McCalum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Parnela Colleen Dillon John C. Richards Douglas Grant Richards Douglas Grant Richards Douglas Grant Richards, a/k/a Grant Douglas Richards Michael Stephen Kleinhenz Mark Anthony Kleinhenz Andros Lee Chapman Andros Lee Chapman	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/427 1685/636 1685/636 1733/414 1734/224 1734/224 1734/229 1751/656 1805/450 1664/430 1655/818 1655/818 1655/818 1655/762 1664/740 1664/740 167/252 168/226
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				Clareen Frances Gomez Crescry Joseph Kleinhenz MPS-6L (searcy Holding LLC Stanhagen Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalum Marjorie Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, af//a William Nelson Pamela Colleen Dillon Jehn C. Richards Norite Hinerman Phyllis Kan Richards, Af//a Grant Douglas Richards Michael Stephen Kleinhenz Mark Anthony Kleinhenz Anthony Francis Kleinhenz Anthony Francis Kleinhenz Anthony Francis Kleinhenz	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/636 1733/414 1734/244 1734/244 1734/274 1734/274 1734/274 1734/274 1731/656 1805/450 1665/711 1664/738 1665/711 1664/734 1826/525 168/226 168/226 168/226
				Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-6 Legars, Holding, LLC Stanhagen, Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Pamela Colleen Dillon Lahn C. Richards, a/k/a William Nelson Pandla Scolleen Dillon Davigas Grant Richards Michael Stephen Kleinhenz Michael Stephen Kleinhenz Andres Lee Chapman Andres Lee Chapman Carol Marie Murray Barbara Ann Dillon Linda Samuels Jimmle Kyle Core	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	1680/447 1685/636 1685/636 1685/636 1733/414 1734/284 1734/284 1734/279 1751/655 1805/450 1665/762 1665/762 1664/286 1664/266 168/226 168/226 168/226
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				Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-6 Legary, Holding, LLC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalum Marford Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Panela Colleen Dillon Jahn C. Richards, a/k/a William Nelson Panela Colleen Dillon Jahn C. Richards Michael Skeinhenz Michael Skeinhenz Michael Skeinhenz Androw Fancis Kleinhenz Androw Fancis Kleinhenz Carol Marie Murray Barbara Ann Dillon Linda Samuels Jimmie Kyle Core Donna DiPetrantonio, /k/a Donna Romey Wilma Aktene Cofey	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/447 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1751/655 1805/450 1665/833 1651/813 1655/762 1664/724 1664/724 168/226 168/25
				Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-6 Legaxy, Holding LLC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC David Mr. McCallum Marjoric Oakiey Timothy Michael Kleinhenz and Verallen Mr. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/s/a William Nelson Parnela Colleen Dillon Lahn C. Richards, a/s/a William Nelson Parnela Colleen Dillon Lahn C. Richards, a/s/a William Nelson Parnela Colleen Dillon Lahn C. Richards, a/s/a Grant Douglas Richards Michael Stephense Arthony Kleinhenz Arthony Kleinhenz Arthony Kleinhenz Arthony Francis Kleinhenz Barbara Am Dillon Linda Samuels Jimmie Kyle Core Donna DiPietrantonio, fly/a Donna Romey	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/447 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1751/655 1805/450 1665/833 1651/813 1655/762 1664/724 1664/724 168/226 168/25
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	Parcel	#	Surface Owner	Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&G Legary, Holding LLC Stanhagen Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Pamela Colleen Dillon Jahn C. Richards Michael Scephen Kleinhenz Michael Stephen Kleinhenz Michael Stephen Kleinhenz Michael Stephen Kleinhenz Andrea Lee Chapman Michael Steinhenz Linda Samuels Jimmie Kyle Core Danna Dillon Linda Samuels Jimmie Kyle Core Danna Dillortation (Jk/a Donna Romey Wilm Anten Coffey Monongalia County Coal Company	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/447 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1734/224 1734/224 1734/229 1751/656 1805/450 1665/710 1665/710 1664/724 168/226 168/226 168/226 168/226 168/226 167/188 1655/632 1666/724
				Clareen Frances Gomez Creegor, Joseph Kleinhenz, MPR-6 Legacy, Holding LLC Stanhagen, Legal Limited Liability, Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Milliam N. Richards, a/L/a William Nelson Pamela Colleen Dillon Larar Lee Cook William N. Richards, a/L/a William Nelson Pamela Colleen Dillon Land Samuels David Strant Richards, a/L/a Grant Douglas Richards Morite Hinerman Phylis Ann Richards, a/L/a Grant Douglas Richards Mark Anthony Kleinhenz Anthony Francis Kleinhenz Carol Marke Murray Barbara Ann Dillon Linda Samuels Jimmie Kyle Core Donna DiPietrantonico, I/L/a Donna Romey Willma Lessor, etc Wild Thing Barnstormers, LLC	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/47 1685/630 1685/630 1733/414 1734/284 1734/274 1734/279 1731/656 1805/450 16645/430 1651/813 1653/762 16647/484 1865/275 168/226 168/26 168/26 168/26 168/26 1
	Parcel	#	<u>Surface Owner</u> Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&G Legary, Holding LLC Stanhagen Legal United Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalum Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Pamela Colleen Dillon Jahn C. Richards Michael Scephen Kleinhenz Michael Stephen Kleinhenz Michael Stephen Kleinhenz Michael Stephen Kleinhenz Andrea Lee Chapman Michael Steinhenz Linda Samuels Jimmie Kyle Core Danna Dillon Linda Samuels Jimmie Kyle Core Danna Dillortation (Jk/a Donna Romey Wilm Anten Coffey Monongalia County Coal Company	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/427 1685/636 1685/636 1733/414 1734/224 1734/224 1734/224 1734/224 1754/224 1805/450 1805/450 1805/762 1664/734 1865/761 1664/126 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&&G Legaxy, Holding, LUC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LUC David M., McCallourn MarJoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N., Richards, a/s/a William Nelson Parnela Colleen Dillon Jahn C., Richards, a/s/a William Nelson Parnela Colleen Dillon Jahn C., Richards, a/s/a William Nelson Parnela Colleen Dillon Jahn C., Richards, a/s/a Grant Douglas Richards Michael Stephen Kleinhenz Andros Lee Chapman Andros Lee Chapman Andros Kleinhenz Carol Marie Murray Barbara Ann Dillon Linda Samuels Jimmis Kyle Core Donna DiPietratonio, f/l/a Donna Romey Willma Arlene Coffey Monongalia County Coal Company Grantor, Lessor, etc Wild Thing Barsstormers, LUC	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less than 1/8	1680/47 1685/630 1685/630 1733/414 1734/284 1734/274 1734/274 1734/274 1734/274 1646/433 1651/813 1653/762 1664/743 1665/71 1664/744 1865/252 168/226 1734/24
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz, MP8-6 Legacy, Holding LLC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC Bavid M. McCallum Milliam N. Richards, a/L/a William Nelson Pamela Colleen Dillon Larate Lee Cook William N. Richards, a/L/a William Nelson Pamela Colleen Dillon Lands Canton Kleinhenz Partiela Colleen Dillon David Kleinhenz Mark Anthony Kleinhenz Mark Anthony Kleinhenz Anthony Kleinhenz Anthony Francis Kleinhenz Cool Marke Murray Barbara Ann Dillon Linda Samuels Jimmis Kyle Core Donna DiPlettantonico, 1/L/a Donna Romey William Alfene Coffey Will Thing Barnstormers, LLC Stonhagen Legal LLC MP8-6 Legacy Holding, LLC Regin Schnidere	CNX Gas Company LLC CNX Ga	Not less than 1/8	1680/427 1685/636 1685/636 1733/414 1734/224 1734/224 1734/224 1734/224 1754/224 1805/450 1805/450 1805/762 1664/734 1865/761 1664/126 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26 168/26
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-& Legaxy, Holding, LUC Stanhagen, Legal Limited Liability, Company Accord Land Services, LUC David M. McCallom Marjoric Oakiey Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Parnela Colleen Dillon Jahn C. Richards, a/k/a William Nelson Parnela Colleen Dillon Jahn C. Richards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Mar	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less than 1/8	1680/427 1685/636 1685/636 1733/414 1734/224 1734/224 1734/224 1734/224 1805/456 1805/450 1664/730 1664/730 1664/730 1664/730 1664/730 1664/730 1664/730 1664/730 168/226 168/226 168/226 168/226 168/226 1660/124 1734/274 1
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Crescry Joseph Kleinhenz MP8-6 Legacy Holding LLC Stenhagen Legal Holding LLC MP8-6 Legacy Holding LLC MP8-6 Legacy Holding LLC David M. McCallum Marjorie Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lec Cook William N. Richards, a/L/a William Nelson Pamela Colleen Dillon Laura Les Cook Milliam Richards, a/L/a Grant Douglas Richards Douglas Grant Richards, a/L/a Grant Douglas Richards Douglas Grant Richards, a/L/a Grant Douglas Richards Mark Anthony Kleinhenz Anthony Kleinhenz Anthony Francis Kleinhenz Carol Marie Murray Barbara Ann Dillon Linda Samuels Jimmie Kyle Core Donna DiPietrantonic, IL/J Donna Romey Will Ann Barstormers, LLC Mild Thing Barstormers, LLC Mild Thing Barstormers, LLC Mr8A Legacy Holding, LLC Mr8A Legacy Holding, LLC Mr8A Legacy Holding, LLC Mr8A Legacy Holding, LLC Mr8A Samothan	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less than 1/8	1664/126 1674/126 1674/14 1826/525 168/226 168/226 168/226 168/226 168/226 168/226 168/226 168/226 168/226 1677/188 1690/124 1734/279 1734/274 1734/274 1734/274 1734/274 1652/16 1652/16 1652/16 1652/16 1652/16
et ID :	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-& Legaxy, Holding, LUC Stanhagen, Legal Limited Liability, Company Accord Land Services, LUC David M. McCallom Marjoric Oakiey Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/k/a William Nelson Parnela Colleen Dillon Jahn C. Richards, a/k/a William Nelson Parnela Colleen Dillon Jahn C. Richards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Markards Douglas Grant Richards, a/k/a Grant Douglas Richards Markards Mar	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less tha	1680/47 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1734/224 1734/224 1805/450 1665/731 1664/130 1651/813 1651/813 1651/813 1651/813 1651/812 168/226 168/25/16 165
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-6L (Jeager, Holding LLC Stanhagen, Leagel Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjoric Dakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/s/a William Nelson Parnela Colleen Dillon Lands Added Services, LLC Wild Thing Barnstormers, LLC David M. Leagen Company Carter Company C	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less tha	1680/447 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1734/224 1734/224 1751/655 1805/450 1665/781 1665/781 1664/126 1664/286 168/226 168/226 168/226 168/226 168/226 168/226 168/226 168/226 168/226 168/226 1652/46 1734/274 1733/414 1735/775 1735/775 1735/775 1735/775 1735/77
	Parcel	#	Surface Owner Monongalia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MP&G Legaxy, Holding, LUC Stanhagen, Legal Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCalourn Marjoric Oakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Loura Lee Cook Willam N. Richards a/s/a William Nelson Panela Colleen Dillon John C. Richards // A William Nelson Panela Colleen Dillon John C. Richards // A Grant Douglas Richards Michael Stephen Kleinhenz Ardron Lee Chapman Ardron Yencic Skeinhenz Carol Marie Kleinhenz Carol Marie Kleinhenz Carol Marie Murray Barbara Ann Dillon Linda Samuels Jimmie Kyle Core Donna DiPietratonio, f/l/a Donna Romey Willma Arlene Coffey Maenorgalia County Coal Company Grantor, Lessor, etc Wild Thing Barstormers, LLC Stenhagen Legal LLC Mr&G Legaxy Holding, LUC Regins Gshringer Latica Estringe Jon Walton Elis Shamon McCreadie Anna Marie Boortz Vignia Samuels	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less tha	1680/47 1685/630 1685/630 1733/414 1734/224 1734/224 1734/224 1734/224 1734/224 1805/450 1665/731 1664/130 1651/813 1651/813 1651/813 1651/813 1651/812 168/226 168/25/16 165
	Parcel	#	Surface Owner Monongolia County Coal Resources Inc.	Clareen Frances Gomez Creegor, Joseph Kleinhenz MPR-6L (Jeager, Holding LLC Stanhagen, Leagel Limited Liability Company Accord Land Services, LLC Wild Thing Barnstormers, LLC David M. McCallum Marjoric Dakley Timothy Michael Kleinhenz and Verallen M. Kleinhenz, h/w Laura Lee Cook William N. Richards, a/s/a William Nelson Parnela Colleen Dillon Lands Added Services, LLC Wild Thing Barnstormers, LLC David M. Leagen Company Carter Company C	CNX Gas Company LLC CNX Ga	Not less than 1/8 Not less tha	1680/447 1685/630 1685/630 1685/630 1733/414 1734/284 1734/284 1734/279 1751/656 1805/450 1664/743 1665/711 1664/744 1865/252 168/226 168/25 168/26

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				Dora Irene Antel Six	CNX Gas Company LLC	Not less than 1/8	1663/11
				Alice Clara Conwell, a/k/a Alice Clarie Conwell	CNX Gas Company LLC	Not less than 1/8	1674/451
				Judith Six	CNX Gas Company LLC	Not less than 1/8	1664/181
				Marjorie Oakley	CNX Gas Company LLC	Not less than 1/8	1805/450
				David M. McCallum	CNX Gas Company LLC	Not less than 1/8	1751/656
				Michael Stephen Kleinhenz	CNX Gas Company LLC	Not less than 1/8	1826/525
-				Mark Anthony Kleinhenz	CNX Gas Company LLC	Not less than 1/8	168/226
				Andrea Lee Chapman	CNX Gas Company LLC	Not less than 1/8	168/226
				Anthony Francis Kleinhenz	CNX Gas Company LLC	Not less than 1/8	168/226
				Carol Marie Murray	CNX Gas Company LLC	Not less than 1/8	168/226
				Barbara Ann Dillon	CNX Gas Company LLC	Not less than 1/8	168/226
				Linda Samuels	CNX Gas Company LLC	Not less than 1/8	168/226
						Not less than 178	168/226
				Jimmie Kyle Core	CNX Gas Company LLC	Fee	1677/188
				Donna DiPietrantonio, f/k/a Donna Romey	CNX Gas Company LLC	Fee	
				Wilma Arlene Coffey	CNX Gas Company LLC	Fee	1675/278
				Monongalia County Coal Company	CNX Gas Company LLC	Fee	1696/629
					and an company eee	Fee	1660/124
ract ID		Title Opinion QLS	Surface Owner	Grantor, Lessor, etc	Grantee, Lessee, etc	n h	
_	Parcel	#			Stattee, Lessee, etc	Royalty	Book/Page
52B	1-1-9	239984000	Cucumber Tree Farm Inc.	Cucumber Tree Farm, Inc.	Mountain V Oil & Gas. Inc.	Not less than 1/8	1328/406
				Mountain V Oil & Gas, Inc.	Hayden Harper Energy Pennsylvania, LLC	Assignment	100/444
				Hayden Harper Energy Pennsylvania, LLC	Bluestone Energy Partners	Assignment	
				Bluestone Energy Partners	Antero Resources Bluestone LLC	Merger	108/486
				Antero Resources Bluestone LLC	Antero Resources Appalachian Corporation		WVSOS
				Antero Resources Appalachian Corporation	Energy Corporation of America	Assignment	115/803
				Energy Corporation of America	EQT Production Company	Assignment	116/92
				EQT Production Company	CNX Gas Company LLC	Assignment	124/688
					Cristo Gas Company LLC	Assignment	159/797

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From:	Weigand, Sarah
To:	EP, SW OG-Submissions
Cc:	Zachwieja, Becky
Subject:	CNX AOR for WDTN18 M1 Wells with Origination in West Virginia
Date:	Monday, October 9, 2023 11:47:00 AM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	image005.png
	image006.jpg
	20231009 WDTN18 M1 cover letter.pdf
	WDTN18 M1 PA AORs.xlsx
	WDTN18 M1 AOR Well Maps.pdf
	20231009 WDTN18 M1 PA monitoring and historic.pdf

Hello,

Please find CNX's AOR for our WDTN18 M1 wells that originate in West Virginia, but cross the southern state line into Pennsylvania. Per the guidance given earlier this year, we were advised that we should follow the AOR requirements and submit to this email. The attached cover letter includes locational information as well as additional documentation of the earlier guidance given, as well as a screenshot of the failed attempt to submit via Greenport. Typically AOR's are submitted individually, however since this isn't getting submitted via Greenport all wells are tabbed in the excel summaries and the PDF for maps includes all individual well maps.

Thank you,

Sarah Weigand CNX | Manager, Permitting Services CNX Center | 1000 Horizon Vue Drive | Canonsburg, PA 15317 (724) 485-3244 – office | (412) 628-1829 – mobile



From:	Donohue, Thomas E
To:	Weigand, Sarah; Zachwieja, Becky
Cc:	Campbell, Heather; Keller, Joel; Sabocheck, Scott
Subject:	[EXTERNAL] CNX - WDTN18UHSM Well Permit Application
Date:	Thursday, October 27, 2022 8:46:28 AM
Attachments:	WV Well Plat - CNX.pdf

CAUTION: This email originated from outside CNX. Do not click links or open attachments unless you recognize the sender and believe the content is safe.

Sarah and Becky,

Thank you for your notification that this WV well will be crossing into PA. Please be aware of CNX's obligations to submit an Area of Review survey pursuant to PA Code Ch. 78a.52a for the portion of the well that will exist in Pennsylvania, prior to commencing drilling.

Additionally, if the portion of this well in Pennsylvania is drilled below the top of the Onondaga horizon, CNX will need to adhere to provisions of the Oil & Gas Conservation Law, in particular Section 6. This states in part that "....In areas in which no spacing order has been entered and no application is pending, no permit shall be issued for the drilling of a well unless the location of the well is at least three hundred thirty feet from the nearest outside boundary line of the lease on which it is located: Provided, however, That if the lease is included in a voluntary unit, a well may be located without regard to lease lines if it is not within three hundred thirty feet of the nearest unit line....". Please provide a statement whether or not the portion of the well in Pennsylvania will be drilled below the top of the Onondaga.

Links to PA Code Ch. 78a.52a and the Oil & Gas Conservation Law are below for your reference.

PA Code Ch. 78a.52a – Area of Review http://www.pacodeandbulletin.gov/Display/pacode? file=/secure/pacode/data/025/chapter78a/chap78atoc.html&d=#78a.52a.

Oil & Gas Conservation Law <u>http://files.dep.state.pa.us/OilGas/BOGM/BOGMPortalFiles/LawsRegsGuidelines/Act359uc.pdf</u>

Please let me know if you have any questions.

Thanks

Thomas E. Donohue, P.G. | Environmental Program Manager Department of Environmental Protection | District Oil & Gas Operations 400 Waterfront Dr. | Pittsburgh, PA 15222 Phone: 412.442.4004 | Fax: 412.442.4328 www.depweb.state.pa.us



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

November 7, 2023

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

RE: WDTN18 A-E MOD Payments

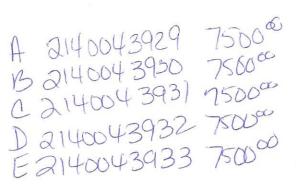
Dear Cragin,

Please find the correct checks for the WDTN18 A, B, C, D, & E MOD permit applications enclosed.

Thank you,

Beety Zachy

Becky Zachwieja



RECEIVED Office of Oil and Gas

NOV 08 2023

WV Department of Environmental Protection



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

October 24, 2023

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

RE: WDTN18CHSM- *MODIFICATION* Horizontal Drilling Permit Application

To Whom It May Concern:

CNX Gas Company LLC (CNX) is requesting a modification to extend the WDTN18CHSM horizontal lateral well permit. The subject WDTN18 Marcellus lease well, is in Monongalia County.

CNX would like to use the expedited review process for the WDTN18CHSM Modification application and have enclosed a check for: \$15,150.00. CNX previously permitted the "WDTN18CHSM" in September 2023.

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

Sincerely,

Sarah Weigand

Sarah Weigand

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WV Department of Environmental Protection