

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

Thursday, December 16, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

CNX GAS COMPANY LLC 1000 CONSOL ENERGY DR CANONSBURG, PA 15370

Re: Permit approval for SHR37NHSM

47-095-02771

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

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

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

Operator's Well Number: SHR37NHSM

Farm Name: CNX GAS COMPANY LLC

James A. Mart

Chief

U.S. WELL NUMBER: 47-095-02771 Horizontal 6A New Drill Date Issued: 12/16/2021

API Number:	
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PERMIT CONDITIONS

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

CONDITIONS

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

API Number:	

PERMIT CONDITIONS

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

API NO. 47-095 - 07	377
OPERATOR WELL NO	SHR37NHSM
Well Pad Name: SHR	37

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

1) Well Operator: CNX GAS C	OMPANY LLC	494458046	TYLER	Cente	west Union
		Operator ID	County	Distri	ct Quadrangle
2) Operator's Well Number: SH	R37NHSM /	Well P	ad Name: SHF	R37 /	
3) Farm Name/Surface Owner:	CNX Gas Compar	y LLC Public Ro	oad Access: Du	uckworth	Ridge Road
4) Elevation, current ground:	828' EI	levation, propose	d post-construc	tion: 82	8'
5) Well Type (a) Gas X Other	Oil	Un	derground Stor	age	
(b)If Gas Shall	low x	Deep			
Hori	izontal x				
6) Existing Pad: Yes or No Yes	p I		_		
 Proposed Target Formation(s) Target formation is Marcellus S 					
8) Proposed Total Vertical Depth	1: 6302' TVD a	t TD (dependen	t upon formation	on dip)	
9) Formation at Total Vertical D	epth: Marcellus	s Shale (will not	penetrate Ond	ndaga)	
10) Proposed Total Measured De	epth: 18,417' N	//D at TD			
11) Proposed Horizontal Leg Ler	ngth: 11,537'				
12) Approximate Fresh Water St	rata Depths:	92', 126', 144',	148', 150', 17	6', 220'	-
13) Method to Determine Fresh	Water Depths:	Offset water wel	l information	1	
14) Approximate Saltwater Dept	hs: 1748', 2458	' /			
15) Approximate Coal Seam Dep	oths: No mineal	ble coal seams;	trace @ 154',	526', 61	8', 955', 992', 1044
16) Approximate Depth to Possil	ole Void (coal m	ine, karst, other):	None anticip	ated	
17) Does Proposed well location directly overlying or adjacent to		ms Yes	N	o <u>x</u>	RECEIVED Office of Oil and Gas
(a) If Yes, provide Mine Info:	Name:				NOV 1 5 2021
Digitally signed by Cragin	Depth:				WV Department of
Cragin Blevins Blevins Date: 2021.11.09 11:37:38	Seam:				Environmental Protection
	Owner:				

API NO. 47- 095 - 62771

OPERATOR WELL NO. SHR37NHSM

Well Pad Name: SHR37

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New	L/S	<94.0	129	100	96 / CTS
Fresh Water	13.375	New	J-55	54.5	370	370	278 CTC
Coal	13.375	New	J-55	54.5	370	370	278 / CTS
Intermediate	9.625	New	J-55	36	5132	5132	1,725 / CTS
Production	5.5	New	P-110	20	18,417	18,417	3,754 / TOC @ 2,100
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						

90811/11/4

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	30	0.375	N/A	N/A	Type 1	1.18
Fresh Water	13.375	17.5	0.380	2,730	<500	Class A	1.19
Coal	13.375	17.5	0.380	2,730	<500	Class A	1.19
Intermediate	9.625	12.25	0.352	3,520	<2,815	Class A	1.19
Production	5.5	8.75 x 8.5	0.361	14,340	~10,000 during frac	Class A or H	1.10
Tubing	2.375	N/A	0.190	7,700	N/A	N/A	N/A
Liners	N/A						

PACKERS

Kind:	Mechanical	
Sizes:	9.625"	
Depths Set:	2600'	

WW-6B	
(10/14)	

API NO. 47- 095	_
OPERATOR WELL NO. SHR37NHSM	_
Well Pad Name: SHR37	

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

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

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

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

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 8.5
- 22) Area to be disturbed for well pad only, less access road (acres): 8
- 23) Describe centralizer placement for each casing string:

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

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

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

25) Proposed borehole conditioning procedures:

Cragin Blevins Digitally signed by Cragin Blevins Date: 2021.11.09 11:38:18-05'00'

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.

SHR37 Cement Additives

Fresh water 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 Class H 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.

Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection

SHR37N HSM LP (Let/Long) 301896.1466 N, 1622308.5443E (NAD27)	round Elevation	_	15	73.08	_				Tyler Cou	nty, ww		
Depths from RKS						R37N F	ISM LP	(Lat/Long)	301896.1	301896.1466 N, 1622308.5443E (NAD27)		
### CASHING COMMINISTRATES OF CONTINUES OF COMMINISTRATES OF CONTINUES OF COMMINISTRATES OF COMMINISTR	7-41				De	nthe f	nom Dk	a				
25" Conductor	WELL BORE DIAGRAM	HOLE	CASING	GCOLOGY		_			CENTRALIZERS	CONDITIONING	COMMENTS	
17.5" 13-36" Freeport Coal 163 1		36*	26"	Conductor	160	leo	AIR	To Surface	N/A		Statistize surface filling Conductor casing = 0.37	
17.5" 34.58 J-55 IIIC Unnestmed shake and send 184 184 Coal Casing 370 370 370 Hardward Coal 555 555 Bakenston Coal 547 547 54 54 54 Middle Kittaning Coal Seam 1,021 1,021 Lower Kittaning Coal S				DFGW	249						wall thickness	
Act Color				Freeport Coal	183	183		+ 2% CaCl, 0.25# Lost			Casing to be run 30 - 5 below base of Pittsbury	
Hartern Coal 855 555 Balkerstown Coal 647 647 647 Upper Mittaning Coal Seam 1,021 1,021 Lower Kittaning Coal Seam 1,021 1,021 Lower Marchan Coal Seam 1,021 1,021 Lower Kittaning Coal Seam 1,021 1,021 Lower Marchan Coal Seam 1,021 Lower Marchan Coal Seam 1,021 Lower Marchan Coal Seam 1,021 Lower Ma		17.5		un-named shale and sand	184	184	AR				0.300" wall thickness	
Balterstown Coal G47 B47 Upper Kittering Coal Seam 984 984 Middle Kittering Coal Seam 1,021 1,021 Lower Kittering Coal Seam 1,073 1,075 Life Lime 1,656 1,616 Big Lime 1,606 1,016 Big Lime 1,606 1,016 Big Lime 1,606 1,016 Price Formation (Base of Rate o				Coal Casing	370	370						
Upper Kittaning Coal Seam 984 984 Middle Kittaning Coal Seam 1,073 1,021 Lover Kittening Coal Seam 1,073 1,075 Urile Ume 1,516 1,616 Big Ume 1,606 1,655 Reg Ume 1,726 1,736 1,736 Price Formation (Base of 1,876	X X	-							7			
Middle Nittaning Coal Seam 1,021 1,021 1,021 1,021 1,025 1,036				Bakerstown Coal	647	647					wall thickness	
12.25" Lower Kitaning Coal Seam 1,073 1,075 1,056				Upper Kittaning Coal Seam	98-1	984						
12.25"		1		Middle Kittaning Coal Seam	1,021	1.021						
12.25		1		Lower Kittening Coal Seem	1,073	1		15.3 ppg Class A				
12.25	10							10.4% Ret. 0.15% Disp	Converse contralizare			
Pice Formation (Base of 1,876 1,87		12.25*					AR	6.125#/ak Lost Circ	every third joint to 100			
Welf Sand 2,026 2,026			1400 ETG	Price Formation (Base of				Yaid=1.263	foel from surface.			
Berrary 2,176 2,176 2,176 4,176 4,756 4,					2.026	2.026		10 borrace				
Warren Send 3,166 3,166 Berson 4,766 4,756 A756 A												
Berson 4,766 4,756 4,756 5,066		1										
Annuancer	E 1	1										
No.		1										
No.	14 14											
Micdinexx 7,394 6,146 West Pever 7,405 6,187 Burder Shaho 7,475 6,257 12,509 Micdinexx 7,394 6,187 Burder Shaho 7,475 6,257 12,509 Micdinexx 1,475 6,257 12,509 Micdinexx 1,475 6,257 Microsoft 1,475 6,257 Micdinexx 1,475 6,257 Micdinexx 1,475 6,257 Micdinexx 1,475 6,257 Microsoft 1,475 6,257 Micdinexx 1,475 6,257 Microsoft 1,475 Micr							AR	450 cm Class A				
X X X X X X X X X X				Middlesex	7.384	6.146		25:75.0 System	/			
Section Sect	10 10			West River				+2.6% Cerrent		Course TD charles of		
2.5° Curve								Loss additive, 0.45%		man allowable pump sale		
P-110		8 5° Cumm	5-1/2" 23#				12.5000		Unitedy towarding	Once on bottom with casing, clearate a minimum of one hole volume prior to		
Dipper Marcoll u. 6.302 TVD 10% Excess 15 minutes reference and the solution prior to primary the solution and the solution prior to primary the solution prior to prior the solution prior the solution prior to prior the solution prior to prior the solution prior to prior the solution principal prior the solution prior the solution prior the solution p	101	c.o curve	P-110				SOBM	0.7% friction reducer	every joint to TOG		Note:Adjust centralia	
Purce 6.332 TVD 10.00	100		13.5								schedules may be chang due to hole conditions	
Middle MarceBus 6.344 TVD 17.0 × 1000					and the same of the same of			Yieki+1.77				
B.5" Cherry Valley 6,358 TVD 12.5cop 13.6pg 1	191						_					
Lateral Cower Narcollus 6,365 TVD 500M Onordaga Limestone 6,375 TVD							12.5009-	above 9.575" since				
Operdaga Limestone 6:375 TVD							13.0ppg					
		Lateral					SOOM					
		X	X	X	X	. / .	X	×	X	×	X	

DRILLING WELL PLAN

	Inp	uts		
Pad	SHR37			
Well Letter	N HSM			
Ground Elev	1273.08			
Azimuth	161			
Lat Length	11537			
Coordinate System	NAD27			
TVD	6392			
SHL	Northing 013706.62	Ensting 1619381.45	0.00	TVI NA
KOP	NA.	NA.	5571	578
LP	312803,93	1018552.88	6860	630
BHL	301896.15	1622306.54	18417	630



SHR37_M2 Pad Frac SOG Review / Pad Risk Review Wednesday, October 13, 2021

Figure 4. A list of all wells within a 1000' buffer around the laterals have been reviewed and listed below.

Api10 -	CurrentOperator	WellName	- CurrentStatu -		THE RESIDENCE OF THE PARTY OF T
701704124	KEY OIL COMPANY	C. DOTSON 2	ACTIVE	5216	BENSON
701702359	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L. G. 1	ACTIVE	2300	WEIR
701702514	RITCHIE PETROLEUM CORPORATION, INC.	MONTGOMERY, JOHN 1	ACTIVE	2380	WEIR
701703859	HARPER CROSBY HOLDINGS, LLC	JAMES 1	ACTIVE	5091	BENSON
701704162	KEY OIL COMPANY	SHEPHERD 2	ACTIVE	5532	BENSON
701704160	KEY OIL COMPANY	MILLER 1	ACTIVE	5320	BENSON
701704187	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, CARROLL	ACTIVE	2050	NULNI
701703253	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-794	ACTIVE	5576	BENSON
701704200	MURVIN & MEIER OIL CO.	CARL JAMES 1	ACTIVE	5350	BENSON
701704161	KEY OIL COMPANY	SHEPHERD 1	ACTIVE	5336	BENSON
701704123	KEY OIL COMPANY	C. DOTSON 1	ACTIVE	5436	BENSON
701702361	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L. G. 2	ACTIVE	2396	WEIR
701703559	DIVERSIFIED GAS & OIL PLC	WAGNER 1 182-S	ACTIVE	4951	RILEY
701703018	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM P. J-513	ACTIVE	5305	BENSON
701704126	KEY OIL COMPANY	A. DOTSON 2	ACTIVE	5375	BENSON
701703249	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-795	ACTIVE	5363	BENSON
701702964	GREYLOCK CONVENTIONAL	HAMMER, LORENA J-390	ACTIVE	5267	BENSON
701703829	DIVERSIFIED GAS & OIL PLC	WAGNER 3-184-S	ACTIVE	5150	BENSON
709500831	GREYLOCK CONVENTIONAL	PRATT, A. E ESTATE J-315	ACTIVE	5512	BENSON
709501170	GREYLOCK CONVENTIONAL	2515 JK-1282	ACTIVE	5530	BENSON
709501207	DIVERSIFIED GAS & OIL PLC	WAGNER 2 183-S	ACTIVE	5056	BENSON
709500925	GREYLOCK CONVENTIONAL	MCCUTHEN, W. PAUL J-515	ACTIVE	5428	BENSON
709501204	DIVERSIFIED GAS & OIL PLC	HARRIS, DANNY & PATRICIA WVGK-255		4919	BENSON
709500679	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 2	ACTIVE	2313	WEIR
709501221	GREYLOCK CONVENTIONAL	AYERS, VIRGINIA J-1385	ACTIVE	5579	BENSON
709501221	DIVERSIFIED GAS & DIL PLC	FLINT, MATTIE DOTSON ETAL 2510	ACTIVE	5469	BENSON
709501311	GREYLOCK OPCO. LLC	L. L. JAMES 4	ACTIVE	5130	BENSON
709501545	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 1	ACTIVE	5271	ELK
709500992	GREYLOCK CONVENTIONAL	MCKITRICK, ROY - HEIRS J-664	ACTIVE	5014	BENSON
709501931	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 2	ACTIVE	2531	WEIR
709501331	GREYLOCK OPCO, LLC	L. L. JAMES 3	ACTIVE	5490	BENSON
709501310	GREYLOCK CONVENTIONAL		ACTIVE	5136	BENSON
709500030	DIVERSIFIED GAS & OIL PLC	PRATT, A. E ESTATE J-314	ACTIVE	4927	BENSON
1.500.000.000		PRATT, ELDON & NANCY JK-1310	Maria Maria	5175	22/12/21/
709501669	DIVERSIFIED GAS & OIL PLC	LONG 1	ACTIVE		BENSON
709501223	DIVERSIFIED GAS & OIL PLC	JENKINS 1 334-S	ACTIVE	4954	BENSON
709501150	DIVERSIFIED GAS & OIL PLC	GREGG 1	ACTIVE	4795	BENSON
709500676	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 1	ACTIVE	2466	WEIR
709501495	DIVERSIFIED GAS & OIL PLC	THACKER 2	ACTIVE	5180	BENSON
709501557	KEY OIL COMPANY	BURGESS 1	ACTIVE	5321	BENSON
709502664	CNX	SHR 37 IHSM	ACTIVE	<nul></nul>	MARCELLUS SHAL
709502666	CNX	SHR 37 HHSM	ACTIVE	<nul></nul>	MARCELLUS SHAL
709502665	CNX	SHR 37 FHSM	ACTIVE	<null></null>	MARCELLUS SHAL
709502667	CNX	SHR 37 DHSM	ACTIVE	«Null»	MARCELLUS SHAL
709502688	CNX	SHR 37 EHSM	ACTIVE	<null></null>	MARCELLUS SHAL
709502669	CNX	SHR 37 GHSM	ACTIVE	<null></null>	MARCELLUS SHAL



SHR37 M2 Pad Frac SOG Review / Pad Risk Review Wednesday, October 13, 2021

SHR37_M2 Pad Frac SOG Review / Pad Risk Review			Wednesday, October 13, 2021				
Api10	CurrentOperator	WellName	CurrentStatus		FormationAtTD		
4701700014	RITCHIE PETROLEUM CORPORATION, INC.	DOTSON, ARLINGTON 2	INACTIVE	1845	INJUN		
4701704186	RITCHIE PETROLEUM CORPORATION, INC.	BRAKE, SAMUEL J.	INACTIVE	2000	INJUN		
701704570	BLACKROCK ENTERPRISES, LLC	SHEPHERD, MICHAEL	INACTIVE	UNKNOWN	UNKNOWN		
1701702356	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, N. 1	INACTIVE	2303	WEIR		
4701771423	(N/A)	N MILLER	INACTIVE	UNKNOWN	UNKNOWN		
4701771425	(N/A)	ARLINGTON DOTSON	INACTIVE	UNKNOWN	UNKNOWN		
4701771430	(N/A)	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN		
4701771433	HOPE NATURAL GAS CO.	ELIAS THOMAS	INACTIVE	UNKNOWN	UNKNOWN		
4701771435	HOPE NATURAL GAS CO.	WAGNER	INACTIVE	UNKNOWN	UNKNOWN		
701771439	BRADWATER	SAMANTHA COX	INACTIVE	UNKNOWN	UNKNOWN		
701771455	PHILADELPHIA OIL CO	F DOTSON	INACTIVE	UNKNOWN	UNKNOWN		
4701770063	CARTER OIL CO	DOTSON, FINLEY	INACTIVE	UNKNOWN	UNKNOWN		
4701770065	(N/A)	DOTSON, MCKENDRY	INACTIVE	1961	UNKNOWN		
4701730056	HOPE NATURAL GAS CO.	E A HENDERSHOT	INACTIVE	1800	UNKNOWN		
701730278	HOPE CONSTRUCTION & REFINING	E M JACKSON	NACTIVE	2060	BIG INJUN (UNDIFF		
4701730335	JJ GRAHAM AGT ET AL	S YEATER	NACTIVE	1795	UNKNOWN		
4701730949	DROPPLEMAN, J. P.	ARLINGTON DOTSON	NACTIVE	2012	BIG INJUN (UNDIFF		
4701730545	HICKMAN, CHARLES L.	CISCO DOTSON	INACTIVE	1973	BIG INJUN (UNDIFF		
4701771427	LUCAS	MARY MONTGOMERY	INACTIVE	UNKNOWN	UNKNOWN		
4701771434	HOPE NATURAL GAS CO.	WAGNER	NACTIVE	UNKNOWN	UNKNOWN		
	(N/A)	MCCUTCHAN-HAINES	NACTIVE	UNKNOWN	UNKNOWN		
4701771436	HOPE NATURAL GAS CO.		NACTIVE	UNKNOWN	UNKNOWN		
4701771447		LAWRENCE JAMES					
4701771448	(N/A)	S YEATER	NACTIVE	UNKNOWN	UNKNOWN		
4701730443	CLIFTON OIL & GAS	MCKENDRY DOTSON	INACTIVE	1882 1987	and the second s		
4701730102	DEEM, F S	OKEY WASHBURN	INACTIVE		UNKNOWN		
4701730182	(N/A)	FINLEY DOTSON	NACTIVE	1899	BIG INJUN (UNDIFF		
4701771437	HOPE NATURAL GAS CO.	MCCUTCHAN-HAINES	NACTIVE	UNKNOWN	UNKNOWN		
4701771438	(N/A)	B HENDERSHOT	INACTIVE	UNKNOWN	UNKNOWN		
4701730101	DEEM, F S	HENDERSON WALTON	INACTIVE	1880	UNKNOWN		
4701730160	HOPE NATURAL GAS CO.	E A HENDERSHOT	INACTIVE	1930	BIG INJUN (UNDIFF		
4701771428	(N/A)	CISCO DOTSON	INACTIVE	UNKNOWN	UNKNOWN		
4701771429	(N/A)	CISCO DOTSON	INACTIVE	UNKNOWN	UNKNOWN		
4701771431	(N/A)	ALFRED DOTSON	INACTIVE	UNKNOWN	UNKNOWN		
4701771440	HOPE NATURAL GAS CO.	SAMANTHA COX	NACTIVE	UNKNOWN	UNKNOWN		
4701730184	PHILADELPHIA OIL CO	FINLEY DOTSON	NACTIVE	2682	UNKNOWN		
4701730277	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	1978	UNKNOWN		
4701730286	CLIFTON OIL & GAS	LEWIS MAXWELL HEIRS	INACTIVE	2142	UNKNOWN		
4709501177	GREYLOCK CONVENTIONAL	JAMES, LAWRENCE & THELMA, 2483	INACTIVE	5517	RILEY		
4709530126	CARNEGIE NATURAL GAS CO	J A EXLINE	INACTIVE	2045	UNKNOWN		
4709530160	HOPE CONSTRUCTION & REFINING	E M JACKSON	NACTIVE	UNKNOWN	UNKNOWN		
4709530830	HOPE NATURAL GAS CO.	WILLIAM SMITH	NACTIVE	2922	BIG INJUN (UNDIFF		
4709530158	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN		
4709530391	DEEM, F S	A GORRELL DOAK	NACTIVE	2968	BIG INJUN (UNDIFF		
4709530600	HOPE NATURAL GAS CO.	W P BRADFORD	NACTIVE	2495	UNKNOWN		
4709530393	DEEM. F.S.	A GORRELL DOAK	NACTIVE	2110	UNKNOWN		
4709530520	HOPE NATURAL GAS CO.	A GORRELL DOAK	INACTIVE	2105	BIG INJUN (UNDIFF		
4709530890	HOPE NATURAL GAS CO.	ROBERT DOAK	NACTIVE	UNKNOWN	UNKNOWN		
4709550001	DORVA CORP.	J A EXLINE	NACTIVE	2178	UNKNOWN		



SHR37_M2 Pad Frac SOG Review / Pad Risk Review Wednesday, October 13, 2021

Api10	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationAtTD
4701700022	The state of the s	DOTSON, F. 4981	P&A	2682	UNKNOWN
4701700204	EQUITRANS, L. P.	JAMES, BRUCE 1	P&A	1916	UNKNOWN
4701700205	EQUITRANS, L. P.	JAMES, BRUCE 2	P&A	1006	UNKNOWN
4701701065	(N/A)	IRONS, JOHN 1	P&A	1985	UNKNOWN
4701701248	CHRISTENSON, R WAYNE	DOTSON, FINLEY 1	P&A	1937	BIG INJUN (UNDIFF
4701701070	PRIOR, FERRELL L	GARNER, D. 1	P&A	1792	BIG INJUN (UNDIFF
4701701079	PRIOR, FERRELL L	THOMAS, ELIZABETH 1	P&A	2553	UNKNOWN
4701701092	(NVA)	DOTSON, ARLINGTON - HEIRS 3	P&A	1865	UNKNOWN
4701702787	GREYLOCK CONVENTIONAL	SHEPHERD, JAMES E. J-302	P&A	5070	UNKNOWN
4701703389	DIVERSIFIED GAS & OIL PLC	JAMES, LAWRENCE L. JK-1045	P&A	5321	UNKNOWN
4709501167	SOUTHWESTERN ENERGY	WAGNER 1	P&A	4866	RILEY
4709500851	SOUTHWESTERN ENERGY	GRIFFIN, EDITH H. 2	P&A	5025	WEIR
4709500712	DORWARD ENERGY CORPORATION	CARNEGIE #516	P&A	UNKNOWN	UNKNOWN
4709500202	(N/A)	MOORE, SARAH H. 1	P&A	1098	UNKNOWN
4709500267	(N/A)	ELLIS JENKINS HEIRS 1	P&A	1103	UNKNOWN
4709500492	ROSS AND WHARTON GAS COMPANY, INC.	SMITH, ROBERT & LUCILLE 2741	P&A	1916	UNKNOWN
4709500757	ALLIED ENERGY, INC.	PRATT, A. E. 1	P&A	2209	UNKNOWN
4709500715	INDUSTRIAL GAS/FRONTIER ENERGY CO.	BRADFORD, HATTIE 3	P&A	948	UNKNOWN
4709500280	APPALACHIAN ENERGY DEV INC	WAGNER #1	P&A	945	UNKNOWN
4709500288	(N/A)	DOAK, ROBERT 1	P&A	1849	UNKNOWN
4709500292	FLO-WELL INC	FORD, W.A., ET UX 1	P&A	UNKNOWN	UNKNOWN
4709500037	BACHELOR, D.	DOKE, MAGGIE, ET AL 1	P&A	1193	UNKNOWN
4709500205	(N/A)	S.M. DOAK HEIRS 1	P&A	1100	UNKNOWN
4709500782	BRAXTON OIL & GAS CORP.	MULVAY J-162	P&A	5100	UNKNOWN

WW-9 (4/16)

API Number 47 -	095	
Operator's	Well No.	SHR37NHSM

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLA	AN
Operator Name CNX Gas Company, LLC OP Code	494458046
Watershed (HUC 10) Headwaters Middle Island Creek Quadrangle West Union	
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work?	res No No
Will a pit be used? Yes No 🗸	
If so, please describe anticipated pit waste;no pits	
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	NA
Proposed Disposal Method For Treated Pit Wastes:	
Land Application Underground Injection (UIC Permit Number 47-001-00561, 47-097-01 Reuse (at API Number wotnswhsm 47-061-01871, wotnssxhsm 47-061-01872, wotnssz Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain No Pits	
Will closed loop system be used? If so, describe: Yes	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, e	etc. Vertical as from sport/sorface to curve kick-off point (KOP).
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	pased mud (SOBM) from curve KOP to lateral TD
Additives to be used in drilling medium? Bactericide, Polymers, and Weighting Agents	
Additives to be used in drilling medium? Bactericide, Polymers, and Weighting Agents Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Line Application of tool conductor out.	tings only, all other outlings will be taken to proposed CEIVED
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	N/A MOL
-Landfill or offsite name/permit number? See attached.	NOV 1 5 2021
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings of West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and	Environment of rassociated waste rejected affairyotection
where it was properly disposed.	the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL WA on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environme provisions of the permit are enforceable by law. Violations of any term or condition of the glaw or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar wit application form and all attachments thereto and that, based on my inquiry of those individualining the information, I believe that the information is true, accurate, and complete. I penalties for submitting false information, including the possibility of fine or imprisonment.	ntal Protection. I understand that the eneral permit and/or other applicable th the information submitted on this viduals immediately responsible for
Company Official Signature Darch Well send	Commonwealth of Pennsylvania - Notary Seal Rebecca Zachwieja, Notary Public
Company Official (Typed Name) Sarah Weigand	Washington County My commission expires November 7, 2023
Company Official Title Manager Upstream Permitting	Commission number 1269683
Subscribed and sworn before me this 10th day of Mark more, 20	Member, Pennsylvania Association of Notaries
My commission expires Noval 7, 2023	y Public Cragin Digitally signed by Cragin Blevins Date: 2021,11.08 12:29:

	nent: Acres Disturbed	5.57 Prevegetation	pH 0.5
Lime according to pH	test Tons/acre or to corre	ect to pH 7.0	
Fertilizer type 10-20	0-20	<u> </u>	
Fertilizer amount_50	00	lbs/acre	
Mulch hay or stra	w @ 2	_Tons/acre	
		Seed Mixtures	
Ten	nporary	Per	manent
Seed Type Orchard Grass	lbs/acre 25	Seed Type Orchard Grass	lbs/acre 25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application	and proposed area for lar it will be land applied, in n area.	d application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have bee
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve	and proposed area for lar it will be land applied, in n area.	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have bee
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve	and proposed area for lar it will be land applied, in n area. ed 7.5' topographic sheet	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have bee
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve Cra Plan Approved by:	and proposed area for lar it will be land applied, in n area. ed 7.5' topographic sheet	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have bee
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve Cra Plan Approved by:	and proposed area for lar it will be land applied, in n area. ed 7.5' topographic sheet	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have been and dimensions (L x W),
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve Cra Plan Approved by:	and proposed area for lar it will be land applied, in n area. ed 7.5' topographic sheet	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have been and dimensions (L x W),
Attach: Maps(s) of road, location, pit a provided). If water from the pi acreage, of the land application Photocopied section of involve Cra Plan Approved by:	and proposed area for lar it will be land applied, in n area. ed 7.5' topographic sheet	ed application (unless engineered plans include dimensions (L x W x D) of the pit,	cluding this info have bee

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SHR37_M2 Pad Frac - SOG Review

In accordance with WVDEP 35CSR8 Section 5.11, all known shallow oil and gas (SOG) wells have been identified within a 1000' buffer of the SHR37_M2 pad Area of Review (AOR). These wells have been reviewed and are provided in a list that includes API, Operator, Well Name, Well Number, Current Status, Total Depth, and Producing Formation at Total Depth. See the following pages, including (Figures 3 and 4).

The Marcellus Shale of the SHR37 Pad area is found at an approximate True Vertical Depth (TVD) of 6500'. In the Shirley area, there are very few producing formations between the Big Injun and the Benson Sand. Most producing wells are either approximately 2000' or 5000' deep. Although there are a significant number of SOG Communication events in the Shirley area, it is highly unlikely that communication will occur with any wells producing from formations shallower than the Benson Sand, found at an approximate TVD of 5000'. This is based on previous experience and study of SOG Communication with Marcellus fracs throughout Ritchie and Doddridge counties. To provide a feel for risk, all wells shallower than 3000' are colored green on Figure 3 and all wells deeper than 3000' are colored red.

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. Both of these reservoirs are primarily depleted, allowing an easier pressure migration throughout these formations. Geomechanical data is collected from dipole sonic logs. CNX's nearest sonic data is from the SHR1C well (Figure 1), immediately north of the SHR37 pad. Frac modeling (Figure 2) of the Marcellus in the area does not show significant upward frac growth. In fact, typical frac height would need to be more than double to reach the Alexander, approximately 1000' above the Marcellus Shale. Without faulting acting as a conduit, CNX Geology does not feel that SOG Communication is feasible in the Shirley area.

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SHR37_M2 Pad Frac SOG Review / Pad Risk Review Wednesday, October 13, 2021

Figure 1. Stratigraphic intervals of high stress should serve as adequate confining layers, or frac barriers, for a Marcellus frac, seen below in the SHR1C Stress Profile log.

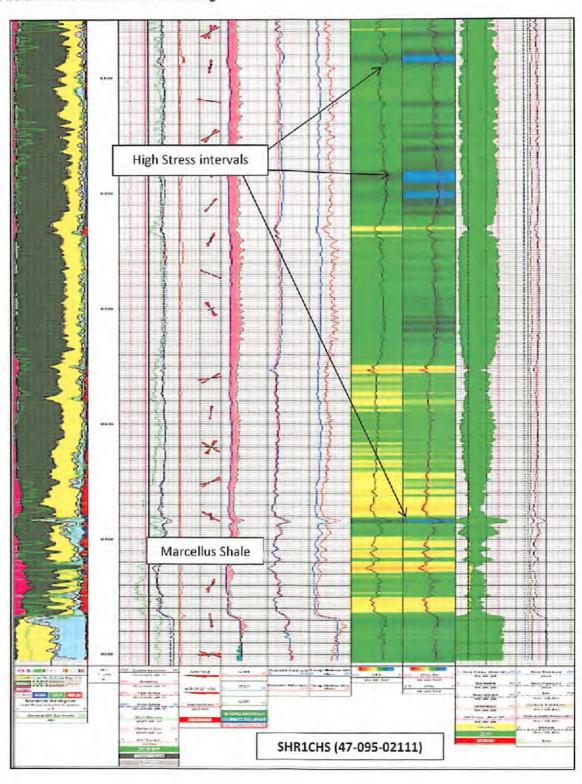
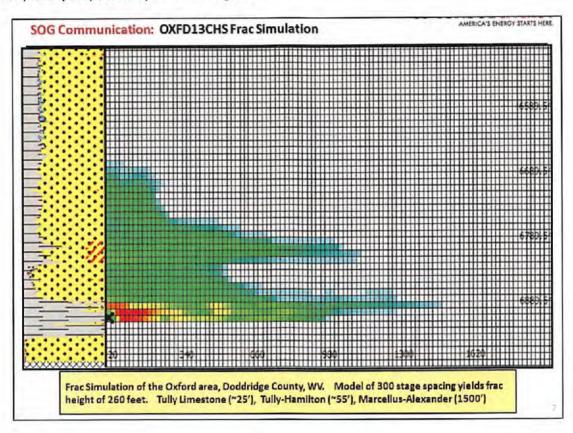




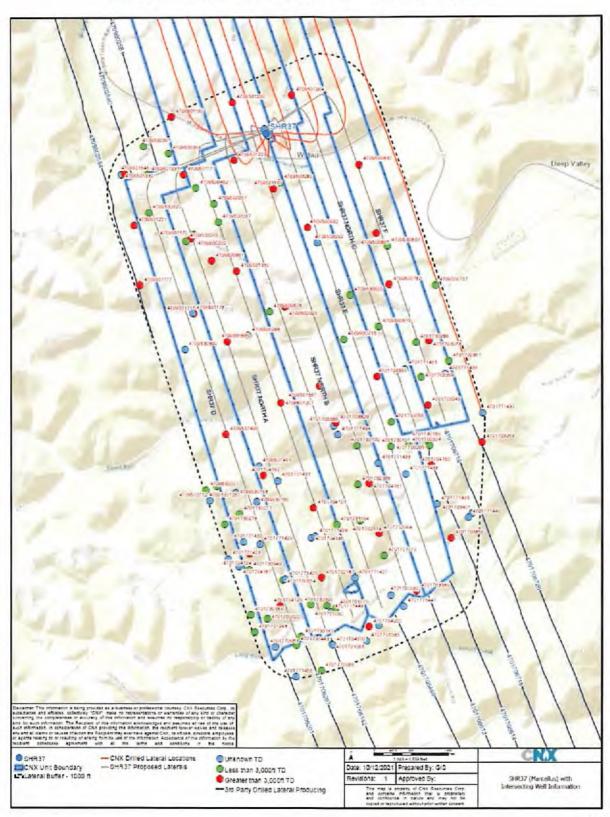
Figure 2. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the Oxford area of western Doddridge County, where the Marcellus and adjacent shales are lithologically similar to the same formations in the Shirley area. Frac modeling only yields frac height of approximately 300' and falls far short of the 1000' required to communicate with the Alexander or Benson formations. Therefore, faulting is the primary suspect for upward frac migration.





CNX

Figure 3. All wells within a 1000' buffer around the laterals have been reviewed and listed below. Wells with TD less than 3000' are colored green and TD' deeper than 3000' colored red.



Type of Waste	Disposal Company Name	Disposal Location	Disposal Locatio	on Coo Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact I	nformati
Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	2326 McClellandtown Road, Masontown, PA 15461	39.853056, -79.924786	Appalachian Water	WMGR GP No. 1235W001 WQM Industrial Waste Permit No.: 2608201 A-2	Brine (Produced Water) and oily water from compressor stations.	Rob Bealko 304-291-0383 Office 304-282-8814 Cell	
RW & TENORM	Austin Master Services	801 N 151 St, Martins Ferry, OH 43935	40.105200, - 80.711630	N/A	N/A	Non-ratioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Office: 740-609-3800 Jack Bernent CEO Austin Master Services LLC 355 Circle of Progress Potistown PA, 19464 Ph; [585] 704-2744 Fax: 484-624-5506	
Brine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, - 80.711630	N/A	N/A	Srine (Produced Water)	Office: 740-609-3800 Jack Bernent CEO Austin Master Services LLC 355 Circle of Progress Potistown PA, 19464 Ph: (585) 704-2744 Fax: 484 624-5506*	
RW & TENORM	Belmont Solids Control	78405 Cadiz-New Athens Rd. Cadiz, DH 43907	40.233830, - 81.003300	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/festing analysis/jab.	Dave Brown 412-848-1828 Winsap 330-692-0423;	Mark
Brine Injection - Treatment	Cambrian Well Services - Kemble	Zanesville, Muskingum	39.974954,	Kemble 1-D		rautotogicai sampung/rescing analysis/iao.	dbrown@ApexLF.com Bob Orr 740-796-6495 614-648-8898	
Brine Injection - Treatment	(Orr Petroleum Corporation) CNX Resources Corporation	County, Perry Township, OH Buchanan County, VA	-81.845389 37.087460, - 82.047918	(SWIW#28) BPC01	34-119-2-8780 VA\$2D9608BUC	Brine (Produced Water) CNX Owned UIC SWIWs: Frac water, brine, produced water	orrpetro@gmail.com Contact Dps Groups	H
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.222201, - 81.959987	N26	VAS2D930BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups	
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	37.184198, - 82.082549	U7	VAS2D926BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups	
Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	37.120547, - 81.961222 37.147934, -	AW114A	VAS2D970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups	
Brine injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82.075320	Ball Well	VASS2D921BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups Wes Mossor	î.
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.426278, - 81.502379	Order No. 2015-452; Vocational School No. 2 Well; SWIW No. 20	API#34-167-2-9543-00-00	Brins (Produced Water)	General Manager wesm@deeprockds.com DeepRock Disposal Solutions Office: 740.371.5078 ext. 200 304.588.0936	
		Washington County, Warren		Order No. 2015-582; Heinrich Unit #2		San y course many	Wes Mossor General Manager wesm@ deeprockds.com DeepRock Disposal Solutions Office: 740 371.5078 ext. 200	
Brine Injection - Treatment	DeepRock Disposal Solutions	Township, OH	81.507900	Order No. 2015-581;	API # 34-167-2-9464-00-00	Brine (Produced Water)	304.588.0936 Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions	s LLC
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.429867, 81.511020	Heinrich Unit #1 Well, SWIW No. 21 Order No. 2019-79;	API#34-167-2-9445-00-00	Brine (Produced Water)	Office: 740.371,5078 ext. 20 304.588.0936 Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions	
Brine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39,402842, - 81,476913	American Growers No. 1 Well, SWIW No. 26	API# 34-167-2-9766-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 20/ 304.588.0936	

DeepRock Disposal Solutions

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							Michael Chapin: Ph. 740-763-3966 Cell 740-403-9664 tantrummr@aol.com
Brine Injection - Treatment	EGO Water Solutions LLC	5367 E. State Street, Newcomerstown, OH 43832	40.283293, - 81.578068	Mozena #1 Well (SWIW #13)	API# 34-157-2-5511	Brine (Produced Water)	Robert Schenken Director Business Development HydroEdge Solutions Wisconsin White Sand rschenken@hydroedgesolutions.com Cell 412.255.3814
		Muskingum County, Perry	39.973643, -	Pattison Trust No. 1-D			Bryan Force Mobile: 412,289,0069 Office: 724,465,9399
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Township, OH	81.825727	(SWIW #30) Barnsville	API # 34-119-2-8803 34-013-2-0609	Brine (Froduced Water)	bforce@forceincorporated.com Bryan Force Mobile: 412.289.0069 Office: 724.465.9399
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Belmont County, OH	NEED	(SWIW #2)	UIC #609	Frac water, brine, produced water	bforce@forceincorporated.com
Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820	37.495138, -81.105161	Camp Creek Disposal Well	UIC: UIC2D0550319 API: 47-055-00319	Class II injection fluids that are in connection with conventional oil or gas production and may be commingled with waste waters from gas plants unless those waters are classified as hazardous wastes at the time of injection.	Zachery Reed zacheryr4@yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323
Brine Injection - Treatment	Greene County Water Treatment, Inc.	401 Jefferson Rd. Waynesburg, PA 15370	39.908611,- 80.141111	Waynesburg Facility	WMGR1235W010	Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6175 JRBGCarpenter@aol.com
RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41/113260, - 80.674500	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/jab.	Office: [330] 270-9900 Larry Chamberlain 330-398-5919 Ichamberlain@iwc-inc.com
		572 Route 18	40.422874,+				Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoverylp.co
Brine Injection - Treatment	Hydro Recovery	Burgettstown, PA 15021 1521 Wetzel County Landfill	80.426125	Burgettstown Facility	WMGR1235W019	Oil and Gas Fluids with minimal oil and solids present Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil	m Terry Gadd
Non-Haz Disosal	Mascaro & Sons-Wetzei Co LF	Rd. New Martinsville, WV 26155	N/A	Wetzel County Landfill	N/A	(Including Petroleum)Construction & Demolition Waste, Industrial Waste, Process Waste, Municipal Solid Waste	terry.gadd@jpmascaro.com, 610-635 4133
RW & TENORM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531, - 81.449219	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM), and high level TENORM material handling, storage, and transport. (TENORM downblending of low level TENORM material (s. 85 pci) on-site. High level TENORM (e. 85 pci) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).	Tom Meinert 740-255-0357 heavymudmasters@gmail.com Billing Address: 739 Southgate Pkwy, Cambridge, Ohii 43725
Non-Haz Disosal	Noble Environmental Landfill (Former Westmoreland Waste)	111 Conner Lane, Belle Vernon, PA 15012	N/A	Noble / Westmoreland Sanitary Landfill		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Friable Asbestos, Mon-Friable Asbestos, Municipal Solid Waste	Customer Service: (724) 929-7694
RW & TENORM	Pressure Tech	7675 East Pike Norwich, Obio 43767	39.97415, -81.844765		N/A	Non-TENORM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have elevated levels of TENORM or compressor station water.	
Oily & Oily Water Treat - Recycle		515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A	Non-hazardous wastewater, transportation, treatment and disposal facility: Also offer transportation and solidification	614-648-8898 330-264-8080 (O)
		11 Boggs Rd, Imperial, PA	N/A	AVA.	N/A	services. Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Uners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste,	jslater@quala.us.com Jack Palermo -
Non-Haz Disosal	Republic Services - Imperial (Allied Waste of PA)	15126	N/A	Imperial Landfill	N/A	Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	ipalermo@republicservices.com, 330 536-7575 Matt Kicinski
Brine Injection - Treatment	Reserved Environmental Services (RES)	1119 Old Route 119 South Mt. Pleasant, PA 15666	40,215555,- 79,606388	New Stanton Facility	WMGR1235W005	Oil and Gas Fluids with minimal oil and solids present	814-574-9701 mkicinski@reswater.com Matt Kicinski
Brine Injection - Treatment	Reserved Environmental Services (RES)	506 Uppencott Road Waynesburg, PA 15370	39.945555, - 80.140833	Waynesburg Facility	WMGR1235W031	Oil and Gas Fluids with minimal oil and solids present RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB	814-574-9701 mkicinski@reswater.com Gordon Copper
Hazardous Waste Disposal	Safety Kleen	10 Industrial Park Drive Wheeling, Wv. 26003	N/A	Wheeling Landfill	N/A	Soli/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Gordon.cooper@safety-kleen.com 304-215-2284
Dily & Oily Water Treat - Recycle		173 Industrial Park Ln., Beech Bottom, WV 26030	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mb. Also offer transportation and solidification services. Capable of other types of waste disposal and handling with prior Environmental and Supply Chain approval.	1-866-670-9034 Joe Staton: 717-360-7916 Office: 301-223-1251 Fax: 301-223-1253

RW & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	41540 National Road Beimont, OH 43718	40.0687, -81.04963	N/A	N/A	Non-radioactive material, low level radioactive material (NORM/TENORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/Testing analysis/lab. Non-radioactive material & radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/Testing analysis/lab. Liquid/semis-olids treatment and separation for waste disposal.	Orin David Orin.david@trooclean.com
Oily & Oily Water Treat - Recy	rde Valicor Environmental Services LLC	515 N. 8th Ave, Huntington, WV 25201	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix, oil, oil filters and antifrece only.	Corporate Number: 734-442-235; Guy Turturice gturturice@valicor.com 304-963-1563 Steve Atkinson SAtkinson@valicor.com
			14/7	1471	tier.		
Non-Haz Disosal	Waste Management - American Landfill	7916 Chapel St SE, Waynesburg, OH 44688	N/A	American Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Frilable Asbestos, Non-Frilable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-424 TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Arden Landfill	200 Rangos Ln, Washington, PA 15301	N/A	Arden Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-424 TFarnswo@wm.com
		1310 Luciusboro Rd,				Gas Specific Waste Streams: Drill Curtings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste,	Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-424
Non-Haz Disosal	Waste Management - Evergreen Landfill	Blairsville, PA 15717 1500 Hayden Blvd, Elizabeth,	N/A	Evergreen Landfill	N/A	Municipal Solid Waste Gas Specific Waste Streams; Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil [Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid	TFarnswo@wm.com Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma 15@wm.com Tom Farnsworth: C- 330-204-424
Non-Haz Disosal	Waste Management - Kelly Run	PA 15037	N/A	Kelly Run Landfill	N/A	Waste	TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Mahoning Landfill	3510 E Garfield Rd, New Springfield, OH 44443	N/A	Mahoning Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Non-Friable Asbestos, Process Waste, Municipal Solid Waste	Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma 15@wm.com Tom Farnsworth: C- 330-204-424 TFarnswo@wm.com
Non-Haz Disosal	Waste Management - Meadowfill Landfill	1488 Dawson Dr. Bridgeport, WV 28330	N/A	Meadowfill Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum) Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Soilddification Services, Municipal Soild Waste	Customer Service: 1 (856) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-424 TFarnswo@wm.com
Hazardous Waste Disposal	Waste Management - Model City	1550 Balmer Rd Youngstown, NY 14174	N/A	Model City Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soil/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Linda Davie: 716-286-0365 or 716-754-8231 or 800-963-4776
Non-Haz Disosal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WV 25104	N/A	Northwestern Landfili	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum/Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Customer Service: 1 (855) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-424 Transwo@wm.com
Non-Haz Disosal	Waste Management - S&S Grading Landfill	4439 Good Hope Pike,				Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste,	Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-424
Non-Haz Disosal	Waste Management - South Hills (Arnoni)	Clarksburg, WV 26301 3100 Hill Rd, South Park Township, PA 15129	N/A	S&S Grading Landfill South Hills Landfill	N/A	Sludge , Process Waste, Municipal Solid Waste Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Construction & Demolition Waste, Industrial Waste, Sludge , Process Waste, Solidification Services, Municipal Solid Waste	Transwo@wm.com Customer Service: 1 (866) 909-44 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C-330-204-424 Transwo@wm.com
Hon-Haz Disosal	Waste Management - Valley Landfill	6015 Pleasant Valley Rd, Itwin, PA 15642	N/A	Valley Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste, Solidification Services, Municipal Solid Waste	

Non-Haz Disposal	Waste Management - Chestnut Ridge	385 Harr Ln, Blountville, TN 37617				Spencer to complete	Travis Maryanski Imaryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service
Non-Har Disposal	MXI Environmental Services LLC	2619 Old Trail Road Ablingdon, WA 24210				Spencer to complete	John Twiddy Johnté mainc.com 276-628-6536 ext. 202; 276-608-0003 Cell
Non-Haz Disosal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003	N/A	Short Creek Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soll (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 330- 536-7575
Non-Haz Disosal	Republic Services - Carbon-Limestone**	8100 S State Line Rd, Loweliville, OH 44436	N/A	Carbon-Limestone	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Soildification Services, Municipal Soild Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Soild waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 picocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 330- 536-7575
Disposal like mudmasters	takes ex Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26059	40.06886,-80.61492	N/A	N/A	Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs ex. Also they do washouts and they have storage capacity at 2000bbl for 10lb brine and 10.5lb brine.	Kevin Flaherty (412)973-2586



Sarah Weigand Manager Upstream Permitting Work: 724-485-3244 Email: sarah weigand@cnx.com CNX Center 1000 CONSOL Energy Drive Canonsburg, PA 15317-6505 724-485-4000

West Virginia Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Dear Sir or Madam:

Pursuant to West Virginia Code §22-6A-8(g2), CNX Gas Company, LLC is requesting an approval from the office to land apply cuttings associated with the drilling of the conductor (unconsolidated materials) on location for pad SHR37. CNX Gas Company, LLC is the surface landowner of parcel 01-17-0005 in Tyler County and therefore consents to this method.

The wells planned for the second round of drilling operations on this pad are:

SHR37KHSM SHR37LHSM SHR37MHSM SHR37NHSM SHR37OHSM SHR37PHSM SHR37QHSM SHR37RHSM

Sincerely,

Dardellegeard Sarah Weigand

Office of Oil and Gas

NOV 1 5 7021

WV Department of Environmental Protection



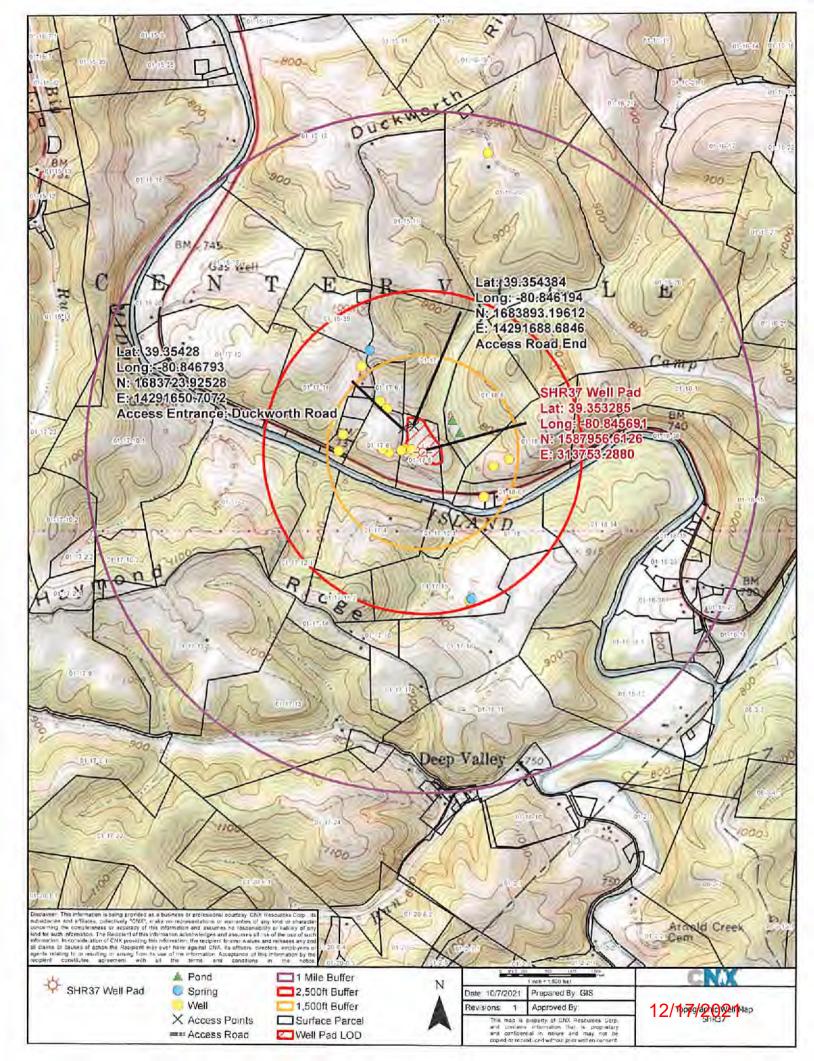
Site Safety Plan for Well SHR37NHSM CNX Gas Company, LLC.

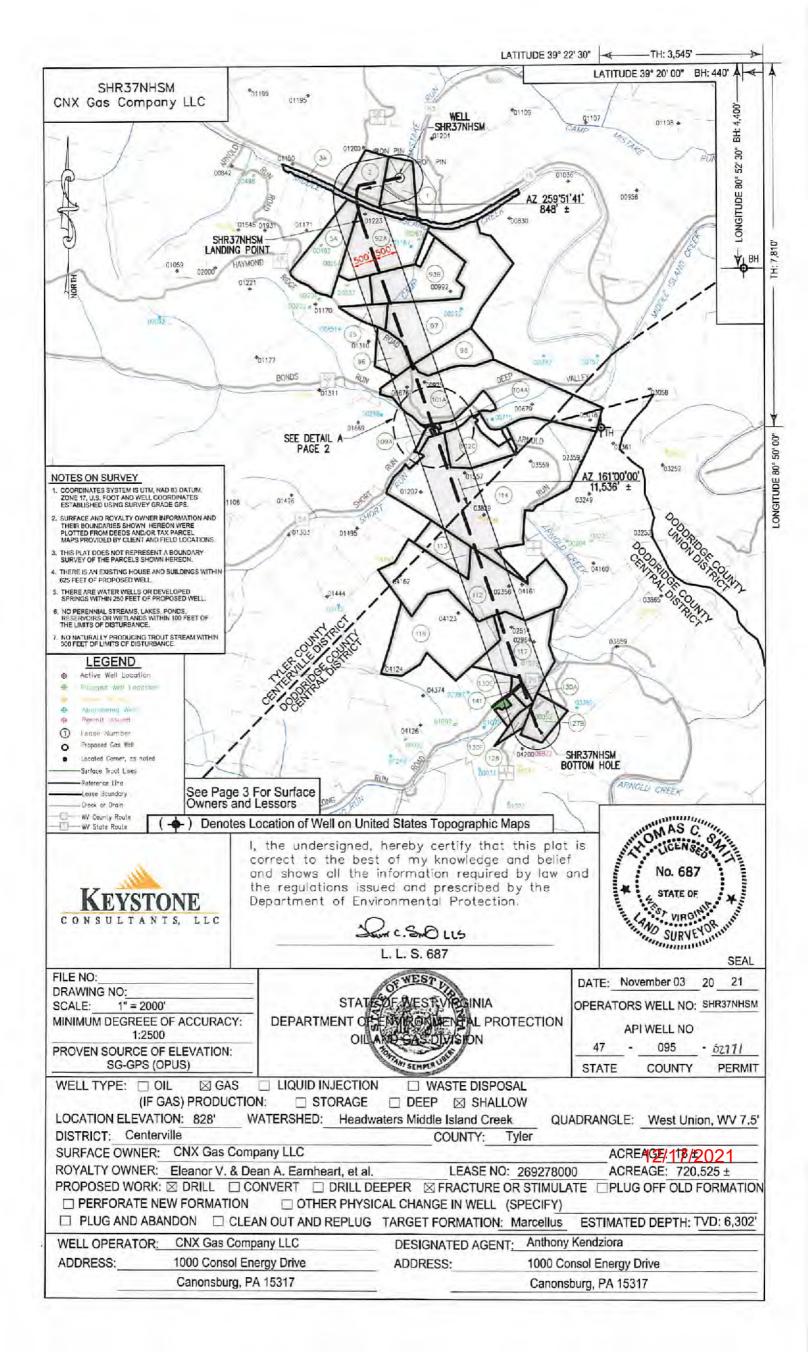


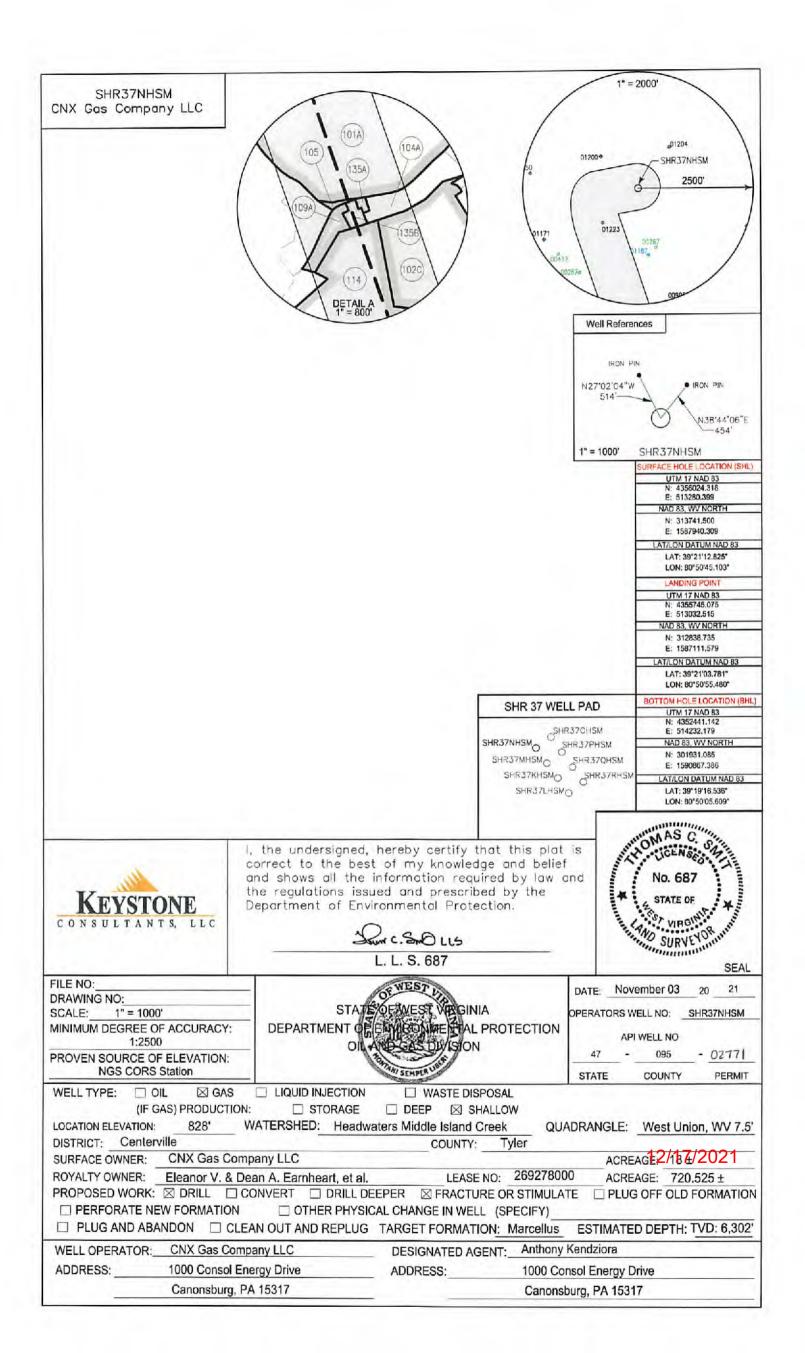
RECEIVED Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection







PAGE 3 OF 9

	SURFACE OWNER	LESSOR	PIN 1-17-5
1	CNX Gas Company LLC	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-1/-5
		Clella Boice, widow	1
		Luella I. McConnell, widow	1
		Agnes Godwin, widow	- 1
		Nancy P. McClain and Ralph E. McClain, wife and husband	- 1
		Georgia P. Snyder, divorced	- 1
		Bradie Pipes and Goldie Pipes, his wife	- 1
		Pursie Pipes and Norma J. Pipes, husband and wife	1
		Dorothy Belle Wells and Byron Wells, her husband	- 1
		Wanda Weekley, widow	- 1
		Myrna Morgan and David Morgan, her husband	
2	Gail Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-6
		Clella Boice, widow	1
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	1 1
		Pursie Pipes and Norma J. Pipes, husband and wife	1
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow]
		Myrna Morgan and David Morgan, her husband	
		Reva D. Rowland, aka Reva Rowland and Ronald Royce Rowland	
ЗА	West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Middle Island
			Creek
5A	James R Sr. & James R Jr. Underwood & Mitzie Johnson	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey Doak and Sarah E. Doak, H/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lemasters, W/H, Myrtle	1-17-12.1
		White and Jasper White, W/H	
		Tribune Resources Minerals, LLC, fka Ascent Resources Marcellus Minerals, LLC	4.00
32A	Samuel V Ash & Denise Rule	A.E. Doak and Callie Doak	1-17-4
			10000000
93B	Ryan Davis & Carrie L Davis	Ancel Doak and Flora Doak, H/W	1-17-15
30		Goldie McKitrick, widow	1000
95	5 Harry R & Vonda K Galloop	BRC Appalachian Minerals I, LLC	1-17-16
		Norma Long, widow	
		AMP Fund II, LP	
		J&N Management LLC	4.1
96	George A Sabol & Cristina A Zettel	Norma Long, widow	1-17-17
		Shirley A. Lohr	
97	Ryan Davis & Carrie L Davis	Pearl I. Slack	1-17-15
97	Ryan & Carrie L Davis	Norma Long	1-18-7
98	Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Beverly Ann Underwood	1-17-11
		Barbara McClain	
		Yale University	1 1
		Tina Marie Vickery fka Tina Marie Greenwood	1
		Cheryl Denise Ismert fka Cheryl Denise Cole	1 1
		Shari Greenwood	1
		Gary Lee Greenwood	1 1
		Randall Allen Pratt	1 1
		Chad Greenwood	4
			1
			- 1
		AMP Fund III, LP	
014	Rainh Paul McCutchan (Life)	AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001	1-18-11
.01A	Ralph Paul McCutchan (Life)	AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001 Margaret C. Nied	1-18-11
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		AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001 Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, H/W Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford	
.02C	Arnolds Creek Christian Church	AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001 Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust — 2010, by Keith Schilling, Trustee William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, H/W Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991	1-18-9
02C		AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001 Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust — 2010, by Keith Schilling, Trustee William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, H/W Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991 Edward Mullooly	
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KEYSTONE CONSULTANTS, LLC

47 - 095 - 02771

STATE

COUNTY

PERMIT

PAGE 4 OF 9

SURFACE OWNER	LESSOR	PIN
	Melanie L. Yoak	-
	Kenneth J. Butler, Jr.	- 1
	Bruce D. Knowlton	+ 1
	William Hubbard and Anita Joy Hubbard, H/W	+
	Robert Hubbard and Barbara Hubbard, H/W	- 1
	Bonnie Zelic	- 1
	Bradley Hubbard	4 1
	John Paul Smith, Jr.	4
	Diane Mikes aka Dianna M. Mikes	4
	Barbara McClain	1
	James R. Underwood	10
	Sherry Quay	
	Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and Mabel Wagner Living Trust	
	Kathleen Cody	
	Charles H. Bower, Jr.	
	Desolyn Florence Doak	
	Brenda S. Ryan	
	John Paladino	
105 W	Bryan Edward Foster	1-17-30
105 Kevin L Kelley & Lynne A Kelley		1-17-30
	Eric Carl Foster and Angela Foster, H/W	- 1
	Ralph M. Hiley and Rita E. Hiley, H/W	- 1
	Roger Hiley and Danita Hiley, H/W	- 1
	Virginia M. Ash and Jack Ash, W/H	- 1
	Linda Cogar	- 1
	Carol Gene Cogar and Carol Jeanne Cogar, H/W	4 I
	Gail Bradly Cogar and Patricia L. Cogar, H/W	4 1
	Larry Cogar and Aris Cogar, H/W	4
	Linda L. Khumnark	
	Patricia Mulvay and Edwin D. Mulvay, W/H	1
	Raymond Cogar and Norma A. Cogar, H/W	1
	Wilford Leymoin Cogar and Helen I. Cogar, H/W	
	David Leroy Cogar	
	Estate of Brenda Dillon, by Linda Khumnark, Executor	
	Rebecca S. Cogar	
	Eleanor R. Williamson	
	Goldie M. Cogar	
	Kenneth S. Cogar and Bernice Cogar, H/W	
	Brian W. Shepherd	
	Laura Boyer	1
		1
	Robert A. Fletcher and Ellen Suzanne Fletcher, H/W	- 1
	Tammy Prieto	- 1
	Deborah Garner Dew, aka Debbie Dew	- 1
	Edith I. Wise	4
	Joseph A. Garner	
	Russell Ray Fletcher	
	Delores Fletcher	
	Jon Scott Fletcher	
109A Kevin L Kelley & Lynne A Kelley	Ronal Rush and Teresa Rush, H/W	1-17-30
112 Lonnie C James	Lillie M. Shepherd	1-2-5
	Allegheny Land and Mineral Company	
	The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, u/a dtd.	
	8/25/1966	
Charter D Stinespring & Victor Goff Stinespring	David Allen Bess, aka David A. Bess	1-2-1.1
113 Charter D Stinespring & Victor Gott Stinespring	Devid Ariell Dess, and David A. DESS	1-2-1.1
	Phidologiska	
	Shirley Lohr	-
	Charter D. Stinespring II and Stephanie Stinespring, H/W	4
	Victor Goff Stinespring and Pamela R. Stinespring, H/W	4
	IN SEARCH OF THE LORD'S WAY, INC. a/k/a, IN SEARCH OF THE LORD'S WAY	-
	Norma T. Long Trust, dated November 8, 2013	
114 Victor Goff Stinespring, Charter D Stinespring	Sonya Rickel and Joe Rickel Jr. W/H	1-2-1
114 Victor Stinespring et ux	Charlotte Bryant and Ervin Bryant, W/H	1-2-1.2
	Garrett G. Pyles	
	Janice Phelps and Harry Phelps, W/H	3
	Robert F. Pratt and Glenna Z. Pratt, H/W	
	Kenneth E. Pratt and Laura L. Pratt, H/W	1 1
	Janet P. Tinkham and Elwin I. Tinkham, W/H	
	Allen Pratt and Patricia Pratt, H/W	7
	Jean Cole and Robert L. Cole, W/H	
	Dorothy A. Greenwood and Malcolm Greenwood, W/H	7
	Margaret R. Mead and Richard F. Mead, W/H	1 1
	Mary J. Borer and Donald E. Borer, W/H	1
	The contract that the contract of the contract	1,1-15
		2/17/202
	John Faladino	+ 1
	Patty Lou Fox and Harry R. Fox, W/H	-
	Robert D. L. Doak	
	Ida Bower	
	Jack Coffindaffer and Janice Lee Coffindaffer, H/W Esther Doak	

KEYSTONE CONSULTANTS, LLC

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SURFACE OWNER	LESSOR	PIN
SURFACEOWNER	Virginia McBee and Robert McBee, W/H	
	Karen Y. Meiter and Robert Lynn Meiter, W/H	1
	Paul Wagner and Joan Wagner, H/W	1
	Leona Smith and John Smith, W/H	1
	Sylvia Knowleton and Clee Knowleton, W/H	1
	Ruth M. Hubbard	1
		1 1
	Ina M. Wagner	1
	Juliana M. Moore	1
	Gussie Devoll	- 1
	Martha Moore Hanson and Peter S. Hanson, W/H	-
	Vonda Wagner	4:
	Wayne Kellar and Peggy Kellar, H/W, aka Wayne Kellar and Margaret H. Kellar, H/W	
	Catherine Moore	
	C. H. Wagner and Olive Irene Wagner, H/W	1
	Darryl Pratt	1
		1
	Mary D. Southern	1
	Wilda Doak	1
	Beverly Delancey and Eleanor Knight and Stanford Knight, W/H and James W. Ash and	
	Hazel Ash, H/W, Lelia Washburn, Charlene Smith and George Smith, W/H, and Barbara	
	Thalrose and Harold Thalrose, W/H	4
	Theresa Pratt	
	Sherry Lynn Quay	
117 Lonnie C James	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	1-4-6
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith	
	Summers, Pauline Summers, Kathleen Clara Summers	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith	1
	Summers, Pauline Summers, Kathleen Clara Summers	
		1
	Lorena G. Hammer	1
	Ardenna Kay Rienstra	- I
	EIGG Land Limited	4 l
	Robert Swearingen	-
	Sandra Swearingen	4
	Charles W. Hendrickson and Elizabeth Hendrickson	1
	Terry L Snider	1 1
	Martha Ann Hanes	1 1
	Mary Garland Hanes	1 1
	Nicholas Osborne Hanes	1 1
	Barbara G. Clark	1
	Donald Reynolds, aka Donald R. Reynolds	1
	Ronald Glenn Hurst	1 1
	James Lee Hurst, Sr.	1
		-
	Pamela Sue Summers	- 1
	Kathy Mae Fenstermaker	4 1
	David Leroy Gray	4 1
	David Charles Hurst	4 1
	Westlake Energy Partners, LLC	
	Cynthia Gray	
	Linda Sue Oxendine	1
	Tina Hurst	3
	Kitty Ann Sams	
	Catherine L Snider	1
	Barbara L Wilson	
	Aunix Acquisition Fund, LLC	-
		- 1
	Harold Wayne Hurst, aka H. Wayne Hurst	-
	Rodney Gale Smith	- 1
	Sandra S. DiGiacobbe fka Sandra S. Hurst and Ronald D. DiGiacobbe, W/H	- I
	Angela Fay Miller	4 1
	Rebecca Ann Goff	4
	Stephen Duane Jackson	4 I
	Jeffery Allen Hurst	_ I
	Richard Duane Hurst	_
	Ed Broome, Inc.	
	Gwendalyn Rae Swartzfager fka Gwendalyn Rae Rose	
	Mark Allen Jackson and Andrea Jackson, H/W	
	Jennifer Lee Harris	
	Jack Lee Smith and Cyndi Smith, H/W	1 1
	Norman L. Jackson	
	Annette N. Davis and David A. Davis	1 1
		1
	Ruth Ann Nicholson	-
	Maria Alexandrovna Stihary aka Maria Alexandrovna Standafer	- I
	Warren Scott Standafer Testamentary Trust	- I
	Michael Keith Gearhart	- I
	Brian Philip Gearhart	4 1
	Joseph Edward Gearhart	4 I
	Jason Alan Gearhart	
	Melanie Faith Gearhart	
	Donald Wayne Hurst, Jr.	1,01,1,000
	Vicki Dean aka Vicki Darlene Kriner	- 12/1 7 /202 <i>1</i>
	Glenn Richard Gray	1 1
	Bruce Patrick Smith	- I
		- 1
	Jamie Lynn Munn	- 1
	Larry Arden Hurst	-
	Donald Allen Hurst	

KEYSTONE CONSULTANTS, LLC

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PAGE 6 OF 9

SURFACE OWNER	LESSOR	1-2-6
Antero Midstream LLC	Cisco Dotson and Lola B. Dotson, his wife; and Isiah S. Dotson	1-4-11.1
B Michael Shepard	Susan Swentzel Lytle	1-4-11.1
	Sandra Jo Evenson	-
	The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by	
	Max G. Karshner and Lois D. Karshner, Trustees	
	Keely A. Carabin	
	Cheryl Overmeyer	
	Samuel Curtis Graves	1
	Guy T. Pigott, Jr.	4
	Marcia L. Todd	-
	Barbara Shipley	
	Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	
	Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	
	Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot,	1
	Janet W. Coffman nee Pigott	
		1
	June Pigott Hickel	-
	K. Clark Swentzel	4
	Judy L. Frashure	4
	Walter S. Stout	
	Ann Stout Newman	
	William P. Stout, Jr.	
		1
	Tony V. James	1
	Melissa S. Cutter	- 1
	Robert B. James	- 1
	Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	4
	Eugene Vance Chipps, II	
8 Michael Shepard	Susan Swentzel Lytle	1-4-11.1
o Wildiaci Sileparo	Sandra Jo Evenson	
	The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by	
	Max G. Karshner and Lois D. Karshner, Trustees	-
	Keely A. Carabin	4
	Cheryl Overmeyer	4 1
	Samuel Curtis Graves	
	Guy T. Pigott, Jr.	
	Marcia L. Todd	1
	Barbara Shipley	1
		1
	Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	4
	Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	4
	Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot,	1 1
	Janet W. Coffman nee Pigott	
	June Pigott Hickel	
	K. Clark Swentzel	1
		- 1
	Judy L. Frashure	- 1
	Walter S. Stout	-
	Ann Stout Newman	
	William P. Stout, Jr.	2
	Tony V. James	
	Melissa S. Cutter	ā
	Robert B. James	7 1
		-
	Tamara C. Marquardt	-
	Timothy Russell Beckwith, fka James Russell Wamsley, Jr., aka Tim "Butch" Beckwith	
	Black Gold Group, Ltd.	
	Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	1 1
	Eugene Vance Chipps, II	7 1
		- I
	Nicholas R. Wamsley	-
	Glen W. Hawk, fka Glen W. Wamsley and Heather J. Hawk, H/W	-
	Edwin L. Winemiller aka Edwin L. Winemiller, Jr. and Angelina C. Winemiller, H/W	_
	Carolyn Sue Wilkes	
	Judy P. Cole	
	Chelsea Rose Seiller	7
	Nancy Sue Clark and Grady O. Clark, W/H	-
		+ 1
	Charles R. LeMasters, Jr.	- I
	James E. Lemasters	4
	Jason Seiller	
OA Carlie James	Carlie James	1-4-5
	Susan Dankel	
	Wanda Zeitler Stearns	
		-
	Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	
	Beverly Lorraine Bryan	4 1
	Charles Alvin Blake	3
	Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	
	Williamstown United Methodist Church	
OE Carlie James	Carlie James	1-4-5
or Came James		
	Susan Dankel	2/17/202
	Wanda Zeitler Stearns	<u> </u>
	Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	1 1
	Beverly Lorraine Bryan	
	Charles Alvin Blake] [
	Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	7 1
	Williamstown United Methodist Church	

KEYSTONE CONSULTANTS, LLC

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SURFACE OWNER	LESSOR	PIN
OF Carlie James	Carlie James	1-4-2
	Susan Dankel	1
	Wanda Zeitler Stearns	
	Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	
	Beverly Lorraine Bryan	
	Charles Alvin Blake	1
	Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	
	Williamstown United Methodist Church	1-17-31
SA Kevin L Kelley	Mary Claire Bohrer	1-17-31
DA .		
5A Kevin L Kelley & Lynne E Kelley	Stephen Howard	1-17-31.
	Clarence N. Leggett	
	Wilma Belle Duty	
	Martha Lou Burley	
	Barbara Davila	10
	Donna Wright	
	Paul Thomas Gregg	
	Donna Sue Luh	3
	Roberta Sue Boone	7
		1
	Edward Ray Edgell	1
	Teresa Kay LaBarbera	-
	Davetta Rae Pineda	+
	Alice Hazel Ward	-
	Wilma S. Ward	4
	Brenda Deese Edgell	4
	Jean Pearl Bearss	4
	Maria Cecilia Muller	4
	Norma B. Campbell	
	Thomas Wade Bush	
	Ronald G. Bush	
	Richard J. Bush	
	Daniel John Bush	3
	Constance Bowles	
	Hermenegilda T. Bautista	
	Corazon J. Bautista	1
	Francis D. Bautista	7
	Albert E. Duty	7
	Robert R. Washburn	1
	Dane W. Zinn	1
		-
	Deloris Hughes	-
	Teresa Rush and Ronal W. Rush, W/H	-
	William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	-
	Ruth G. Halverson aka Naoma R Halverson	-
	Catherine Ann Duginski	4
	Sandy Swearingen	-
	Kevin Leisy and Marion Leisy, H/W	4
	Karen J. Calzada and Candelario A. Calzada, W/H	4
	Kimberley Ann Garrison	1
	Kenlyn West	
	David A. Elko	
	Ryan Michael Hallman	
	Charles E. Garrison and Patricia A. Garrison	
	Richard A. Elko	1
		1
	Theresa A. Vachon and Richard R. Vachon, W/H	-
	Marjorie L. Miller	+
	Kristina Marie Hallman	-
	Matthew Leisy	4
	Albert E. Garrison, Jr.	4
	Nicholas Jeremy Hallman	4
	William Royce Nickey	
	Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley	
	Family Trust	
	Kevin William Nickey	
	Christine Washburn, AIF for Helen Washburn	
	Linda L Crystal	
	Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
	Sheila K. Tallon aka Sheila K. Tallon	
	Ardenna Kay Rienstra	
	Paul Xavier Sanchez, aka Paul Hallman	
	David W. Wood and Jody A. Wood, H/W	
	Rachael Escobedo 12/1	7/202
	William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	4202
	Penelope Margaret Bowers	
	John Stephen Swiger	
	Point Sceptien Swiger	_
	Robert Swearingen and Anne Swearingen, H/W	

KEYSTONE CONSULTANTS, LLC

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	SURFACE OWNER	Julia Ann Owens	PIN
		Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
		Cynthia Sue Bair	
		Paula Kulbaga and Paul Kulbaga, W/H	
		Barbara Nickey Kester	
		Sherry Ann Nicholson	4
		Timothy J. Tefs	4
		James A. Tefs	-
		Daniel Edward Kester	-
		Karen Anne Kester	-
		Steven Ryan Kester	-
		Bobby Lynn Tefs	-
		Marie Christine Castro Brinks	-
		Helen Kathleen Scollan	+
		Pamela Carson Leggett Barbara Lacossee	
		James McCulloch	
		Elizabeth Duty Samson	7
		Alfredo E. Gallardo, Jr.	
		Jose N. Bautista	
		Paula N. Bautista, aka, Sister Maria Teresa Bautista	
35B	Kevin L Kelley	Mary Claire Bohrer	1-17-31
35B	Kevin L Kelley & Lynne A Kelley	Stephen Howard	1-17-31
	Transfer of the state of the state of	Clarence N. Leggett	
		Wilma Belle Duty	
		Martha Lou Burley	
		Barbara Davila	
		Donna Wright	
		Paul Thomas Gregg	
		Donna Sue Luh	-
		Roberta Sue Boone	-
		Edward Ray Edgel	-36
		Teresa Kay LaBarbera	-
		Davetta Rae Pineda	-
		Alice Hazel Ward	-
		Wilma S. Ward	-
		Brenda Deese Edgell	-
		Jean Pearl Bearss Maria Cecilia Muller	-
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
	ž.	Albert E. Duty	
		Robert R. Washburn	-
		Dane W. Zinn	_
		Deloris Hughes	-
		Teresa Rush and Ronal W. Rush, W/H	-
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	-
		Ruth G. Halverson aka Naoma R Halverson	-
		Catherine Ann Duginski	-
		Sandy Swearingen	-
		Kevin Leisy and Marion Leisy, H/W Karen J. Calzada and Candelario A. Calzada, W/H	
		Kimberley Ann Garrison	
		Kenlyn West	7
		David A. Elko	
		Ryan Michael Hallman	
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	
		Theresa A. Vachon and Richard R. Vachon, W/H	
		Marjorie L. Miller	
		Kristina Marie Hallman	
		Matthew Leisy 12/17/	2021
		Albert E. Garrison, Jr.	
		Nicholas Jeremy Hallman	
		William Royce Nickey	_
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley	
		Family Trust	



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SURFACE OWNER	LESSOR	PIN
	Kevin William Nickey	
	Christine Washburn, AIF for Helen Washburn	
	Linda L. Crystal	
	Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
	Sheila K. Tallon aka Sheila K. Tallon	
	Ardenna Kay Rienstra	
	Paul Xavier Sanchez, aka Paul Hallman	
	David W. Wood and Jody A. Wood, H/W	
	Rachael Escobedo	
	William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
	Penelope Margaret Bowers	
	John Stephen Swiger	
	Robert Swearingen and Anne Swearingen, H/W	
	Martha Joan McCulloch	
	Julia Ann Owens	
	Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
	Cynthia Sue Bair	
	Paula Kulbaga and Paul Kulbaga, W/H	
	Barbara Nickey Kester	
	Sherry Ann Nicholson	1
	Timothy J. Tefs	
	James A. Tefs	
	Daniel Edward Kester	
	Karen Anne Kester	
	Steven Ryan Kester	
	Bobby Lynn Tefs	
	Marie Christine Castro Brinks	
	Helen Kathleen Scollan	
	Pamela Carson Leggett	
	Barbara Lacossee	
	James McCulloch	
	Elizabeth Duty Samson	
	Alfredo E. Gallardo, Jr.	
	Jose N. Bautista	
	Paula N. Bautista, aka, Sister Maria Teresa Bautista	
Carlie James	West Virginia Department of Transportation, Division of Highways	1-4-

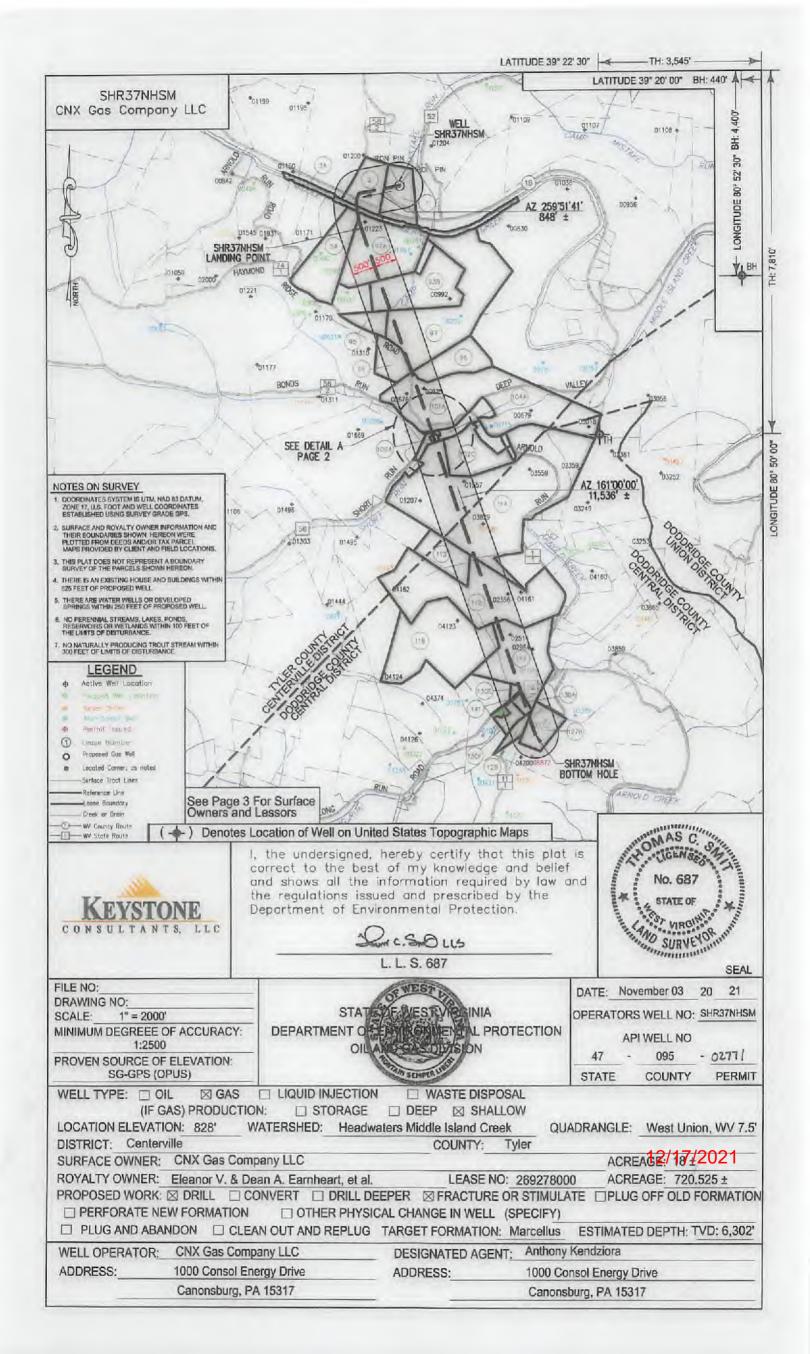
12/17/2021



API WELL NO

47 - 095 - 0277|

STATE COUNTY PERMIT



1" = 2000" SHR37NHSM CNX Gas Company LLC (101A) D1204 (104A) 105 012009 SHR37NHSM 2500 01223 (1020) DETAIL A 1" = 800' Well References IRON PIN N27'02'04"W FIRON PIN N38'44'06"E 1" = 1000" SHR37NHSM UTM 17 NAD 83 N: 4356024.318 F: 513280.3 NAD 83, WV NORTH N: 313741,500 E: 1587940,309 LAT/LON DATUM NAD 83 LAT: 39°21'12.825' LON: 80°50'45.103° UTM 17 NAD 83 N: 4355745.075 E: 513032.515 NAD 83, WV NORTH N: 312838.735 F: 1587111.579 AT/LON DATUM NAD 83 LAT: 39°21'03.781" LON: 80°50'55.480" SHR 37 WELL PAD UTM 17 NAD 83 N: 4352441.142 E: 514232.179 OSHR370HSM SHR37PHSM SHR37NHSM_O NAD 83, WV NORTH SHR37KHSMO SHR37CHSM N: 301931.086 E: 1590867.386 SHR37MHSMO SHR37RHSM LAT/LON DATUM NAD 83 LAT: 39"19"16.536" LON: 80"50"05.609" SHR37LHSMO MAS C. CCENSO 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 No. 687 the regulations issued and prescribed by the KEYSTONE Department of Environmental Protection. CONSULTANTS, LLC SURVEYOR Jam C. S. DLUS L. L. S. 687 SEAL FILE NO: DATE: November 03 20 DRAWING NO: SCALE: 1" = 1000" GINIA OPERATORS WELL NO: SHR37NHSM AL PROTECTION MINIMUM DEGREE OF ACCURACY: **DEPARTMENT** API WELL NO 1:2500 NO BIVE O 095 AM SEMPER LINE PROVEN SOURCE OF ELEVATION: NGS CORS Station STATE COUNTY PERMIT ☐ LIQUID INJECTION WELL TYPE: □ OIL ☑ GAS ☐ WASTE DISPOSAL (IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW 828' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union, WV 7.5' LOCATION ELEVATION: DISTRICT: Centerville COUNTY: Tyler /17/2021 SURFACE OWNER: CNX Gas Company LLC ACREAGE: LEASE NO: 269278000 ACREAGE: 720.525 ± ROYALTY OWNER: Eleanor V. & Dean A. Earnheart, et al. PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) □ PERFORATE NEW FORMATION ☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD: 6,302' Anthony Kendziora WELL OPERATOR: CNX Gas Company LLC DESIGNATED AGENT: 1000 Consol Energy Drive ADDRESS: ADDRESS: 1000 Consol Energy Drive Canonsburg, PA 15317 Canonsburg, PA 15317

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	SURFACE OWNER	LESSOR	1-17-5
1	CNX Gas Company LLC	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-5
		Clella Boice, widow	
		Luella I. McConnell, widow	4
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
-	1	Myrna Morgan and David Morgan, her husband	1 17 6
2	Gail Williamson	Eleanor V. Earnheart and Dean A. Earnheart, her husband	1-17-6
		Clella Boice, widow	
		Luella I. McConnell, widow	
		Agnes Godwin, widow	
		Nancy P. McClain and Ralph E. McClain, wife and husband	
		Georgia P. Snyder, divorced	
		Bradie Pipes and Goldie Pipes, his wife	
		Pursie Pipes and Norma J. Pipes, husband and wife	
		Dorothy Belle Wells and Byron Wells, her husband	
		Wanda Weekley, widow	
		Myrna Morgan and David Morgan, her husband	
_	Maria de la companya del companya de la companya de la companya del companya de la companya de l	Reva D. Rowland, aka Reva Rowland and Ronald Royce Rowland	Middle
	West Virginia Division of Natural Resources	West Virginia Division of Natural Resources	Island
3A			The state of the s
			Creek
	James R Sr. & James R Jr. Underwood & Mitzie	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey Doak and Sarah E. Doak,	1-17-12.1
5A	Johnson	H/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lemasters, W/H, Myrtle	
199		White and Jasper White, W/H	
		Tribune Resources Minerals, LLC, fka Ascent Resources Marcellus Minerals, LLC	
92A	Samuel V Ash & Denise Rule	A.E. Doak and Callie Doak	1-17-4
JAM	Sallidel V Asil & Dellise Note	Part Doak and Came Doak	14.41
_		Transfer to the Section	1-17-15
93B	Ryan Davis & Carrie L Davis	Ancel Doak and Flora Doak, H/W	1-17-13
2000		Goldie McKitrick, widow	
95	Harry R & Vonda K Galloop	BRC Appalachian Minerals I, LLC	1-17-16
		Norma Long, widow	
		AMP Fund II, LP	
		J&N Management LLC	
96	George A Sabol & Cristina A Zettel	Norma Long, widow	1-17-17
30	Course is annual or established fortal	Shirley A. Lohr	
07	Ryan Davis & Carrie L Davis	Pearl I. Slack	1-17-15
97			1-18-7
97	Ryan & Carrie L Davis	Norma Long	
98	Elden L Pratt, Dean Rodney & Timothy Ray Pratt	Beverly Ann Underwood	1-17-11
		Barbara McClain	
		Yale University	
		Tina Marie Vickery fka Tina Marie Greenwood	
		Cheryl Denise Ismert fka Cheryl Denise Cole	
		Shari Greenwood	
		Gary Lee Greenwood	
		Randall Allen Pratt	
		Chad Greenwood	
		AMP Fund III, LP	
	Tarres and a second	Mary Ann Webster, Trustee of the Webster Living Trust, dated December 19, 2001	4.40.41
101A	Ralph Paul McCutchan (Life)	Margaret C. Nied	1-18-11
		Helen C. Dahle	
		James P. Cullinan	
		Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee	
		William Paul McCutchan and Virginia B. McCutchan	
		Kathleen Bradford Upton	
		William Warren Upton and Frances J. Upton, H/W	
		Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry	
		Bradford	
		PARTIES NO. 500000	4.40.5
102C	Arnolds Creek Christian Church	Planters Bank, Trustee for Franklin L. Butler IRA under agreement dated 9/10/1991	1-18-9
102C	William J Stanley	Edward Mullooly	1-18-10
		Robert E. Burgess, Sr. and Barbara Burgess, H/W	
	Market and Company of the Company of	Trustee of the Arnold's Creek Christian Church	
104A	William L Stringham & Kelly F Stringham	James Marr Southern and Penny G. Southern, H/W	1-18-8
		Ronald J. McBee	
		Connie Sue Conrad	
		James Lee Phillips aka James L. Phillips	
		Clyde Williams Phillips aka Clyde W. Phillips	
			1471000
		Poyse L. Printing Wa	2/17/202
		Chad W Johnson	-1
		Chad W. Johnson	7
		Janice Coffindaffer	
		Janice Coffindaffer Sandra Jean Fox	
		Janice Coffindaffer Sandra Jean Fox Harry R. Fox	
		Janice Coffindaffer Sandra Jean Fox	

KEYSTONE CONSULTANTS, LLC

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	LESSON	PIN	
	Melanie L. Yoak		
	Kenneth J. Butler, Jr.		
	Bruce D. Knowlton		
	William Hubbard and Anita Joy Hubbard, H/W		
	Robert Hubbard and Barbara Hubbard, H/W		
	Bonnie Zelic		
	Bradley Hubbard		
	John Paul Smith, Jr.		
	Diane Mikes aka Dianna M. Mikes		
	Barbara McClain		
	James R. Underwood		
	Sherry Quay		
	Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and Mabel Wagner		
	Living Trust		
	Kathleen Cody		
	Charles H. Bower, Jr.	1	
	Desolyn Florence Doak	-	
	Brenda S. Ryan		
	John Paladino		
on Wasterlife Harris Lucia & Mallion	Bryan Edward Foster	1-17-30	
05 Kevin L Kelley & Lynne A Kelley			
	Eric Carl Foster and Angela Foster, H/W	1	
	Ralph M. Hiley and Rita E. Hiley, H/W		
	Roger Hiley and Danita Hiley, H/W		
	Virginia M. Ash and Jack Ash, W/H	-	
	Linda Cogar		
	Carol Gene Cogar and Carol Jeanne Cogar, H/W		
	Gail Bradly Cogar and Patricia L. Cogar, H/W	1	
	Larry Cogar and Aris Cogar, H/W	1	
	Linda L. Khumnark	-	
	Patricia Mulvay and Edwin D. Mulvay, W/H	-	
	Raymond Cogar and Norma A. Cogar, H/W		
	Wilford Leymoin Cogar and Helen I. Cogar, H/W		
		1	
	David Leroy Cogar	-	
	Estate of Brenda Dillon, by Linda Khumnark, Executor	-	
	Rebecca S. Cogar		
	Eleanor R. Williamson		
		1	
	Goldie M. Cogar	1	
	Kenneth S. Cogar and Bernice Cogar, H/W	-	
	Brian W. Shepherd		
	Laura Boyer		
	Robert A. Fletcher and Ellen Suzanne Fletcher, H/W	1	
	Tammy Prieto	-	
	Deborah Garner Dew, aka Debbie Dew	4	
	Edith I. Wise		
	Joseph A. Gamer		
	Russell Ray Fletcher	1	
	Delores Fletcher		
	Jon Scott Fletcher		
	Ronal Rush and Teresa Rush, H/W	1-17-30	
and the testing of Lumpa A Vallage	Lillie M. Shepherd	1-2-5	
109A Kevin L Kelley & Lynne A Kelley	THURS IVE SUBDIETU		
112 Lonnie C James			
	Allegheny Land and Mineral Company		
	Allegheny Land and Mineral Company The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, u/a dtd.		
112 Lonnie C James	Allegheny Land and Mineral Company The Union National Bank as Trustee for Truman E. Gore and C. Burke Morris, u/a dtd. 8/25/1966	1-2-1.1	
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KEYSTONE CONSULTANTS, LLC

47 - 095 - 02771

STATE

COUNTY

PERMIT

SURFACE OWNER	LESSOR	PIN	
***************************************	Virginia McBee and Robert McBee, W/H		
	Karen Y. Meiter and Robert Lynn Meiter, W/H		
	Paul Wagner and Joan Wagner, H/W		
	Leona Smith and John Smith, W/H		
	Sylvia Knowleton and Clee Knowleton, W/H		
	Ruth M. Hubbard		
	Ina M. Wagner		
	Juliana M. Moore		
	Gussie Devoll		
	Martha Moore Hanson and Peter S. Hanson, W/H		
	Vonda Wagner		
	Wayne Kellar and Peggy Kellar, H/W, aka Wayne Kellar and Margaret H. Kellar, H/W		
	Catherine Moore		
	C. H. Wagner and Olive Irene Wagner, H/W		
	Darryl Pratt		
	Mary D. Southern		
	Wilda Doak		
	Beverly Delancey and Eleanor Knight and Stanford Knight, W/H and James W. Ash and		
	Hazel Ash, H/W, Lelia Washburn, Charlene Smith and George Smith, W/H, and Barbara		
	Thairose and Harold Thairose, W/H		
	Theresa Pratt		
	Sherry Lynn Quay		
7 Lonnie C James	Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	1-4-6	
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith		
	Summers, Pauline Summers, Kathleen Clara Summers		
	U. G. Summers Estate: William G. Summers and Kathryn Summers, H/W, Hector Keith		
	Summers, Pauline Summers, Kathleen Clara Summers		
	Lorena G. Hammer		
	Ardenna Kay Rienstra		
	EIGG Land Limited		
	Robert Swearingen		
	Sandra Swearingen		
	Charles W. Hendrickson and Elizabeth Hendrickson		
	Terry L. Snider		
	Martha Ann Hanes		
	Mary Garland Hanes		
	Nicholas Osborne Hanes		
	Barbara G. Clark		
	Donald Reynolds, aka Donald R. Reynolds		
	Ronald Glenn Hurst		
	James Lee Hurst, Sr.		
	Pamela Sue Summers		
	Kathy Mae Fenstermaker		
	David Leroy Gray		
	David Charles Hurst		
	Westlake Energy Partners, LLC		
	Cynthia Gray		
	Unda Sue Oxendine		
	Tina Hurst		
	Kitty Ann Sams		
	Catherine L Snider	1	
	Barbara L. Wilson		
	Aunix Acquisition Fund, LLC	-	
	Harold Wayne Hurst, aka H. Wayne Hurst		
	Rodney Gale Smith		
	Sandra S. DiGiacobbe fka Sandra S. Hurst and Ronald D. DiGiacobbe, W/H		
	Angela Fay Miller		
	Rebecca Ann Goff		
	Stephen Duane Jackson		
	Jeffery Allen Hurst		
	Richard Duane Hurst		
	Ed Broome, Inc.		
	Gwendalyn Rae Swartzfager fka Gwendalyn Rae Rose		
	Mark Allen Jackson and Andrea Jackson, H/W		
	Jennifer Lee Harris		
	Jack Lee Smith and Cyndi Smith, H/W		
	Norman L. Jackson		
	Annette N. Davis and David A. Davis		
	Ruth Ann Nicholson		
	Maria Alexandrovna Stihary aka Maria Alexandrovna Standafer		
	Warren Scott Standafer Testamentary Trust		
	Michael Keith Gearhart		
	Brian Philip Gearhart		
	Joseph Edward Gearhart		
	Jason Alan Gearhart		
	Melanie Faith Gearhart Donald Wayne Hurst, Jr.	12/17	710
	Vicki Dean aka Vicki Darlene Kriner	12/1/	12
	Glenn Richard Gray		
	Bruce Patrick Smith		
	Jamie Lynn Munn	4	
	Larry Arden Hurst		

API WELL NO

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SURFACE OWNER	LESSOR Cisco Dotson and Lola B. Dotson, his wife; and Isiah S. Dotson	1-2-6
18 Antero Midstream LLC		1-4-11.1
27B Michael Shepard	Susan Swentzel Lytle	1-4-11.1
	Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by	
	Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 37.237.2023, by	
	Keely A. Carabin	
	Cheryl Overmeyer	
	Samuel Curtis Graves	
	Guy T. Pigott, Jr.	
	Marcia L. Todd	
	Barbara Shipley	
	Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	
	Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	
	Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot,	
	Janet W. Coffman nee Pigott	-
	June Pigott Hickel	
	K. Clark Swentzel	1
	Judy L. Frashure	
	Walter S. Stout	
	Ann Stout Newman	
	William P. Stout, Jr.	
	Tony V. James	
	Melissa S. Cutter	
	Robert B. James	
	Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	
	Eugene Vance Chipps, II	
28 Michael Shepard	Susan Swentzel Lytle	1-4-11.1
	Sandra Jo Evenson	
	The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by	
	Max G. Karshner and Lois D. Karshner, Trustees	
	Keely A. Carabin	
	Cheryl Overmeyer	
	Samuel Curtis Graves	
	Guy T. Pigott, Jr.	
	Marcia L. Todd	
	Barbara Shipley	
	Dorothy A. Pigott, aka Dorothy A. Beck, aka Dorothy P. Hileman	
	Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	
	Dorothy A. Pigott, AIF for Lucia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot,	1
	Janet W. Coffman nee Pigott	
		-
	June Pigott Hickel	-
	K. Clark Swentzel	
	Judy L. Frashure	
	Walter S. Stout	-
	Ann Stout Newman	
	William P. Stout, Jr.	
	Tony V. James	
	Melissa S. Cutter	
	Robert B. James	
	Tamara C. Marquardt	
	Timothy Russell Beckwith, fka James Russell Wamsley, Jr., aka Tim "Butch" Beckwith	
	Black Gold Group, Ltd.	
	Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	
	Eugene Vance Chipps, II	
	Nicholas R. Wamsley	
	Glen W. Hawk, fka Glen W. Warnsley and Heather J. Hawk, H/W	
	Edwin L. Winemiller aka Edwin L. Winemiller, Jr. and Angelina C. Winemiller, H/W	
	Carolyn Sue Wilkes	
	Judy P. Cole	
	Chelsea Rose Seiller	
	Nancy Sue Clark and Grady O. Clark, W/H	
	Charles R. LeMasters, Jr.	
	James E. Lemasters	
	Jason Seiller	
OA Carlie James	Carlie James	1-4-5
	Susan Dankel	
	Wanda Zeitler Stearns	
	Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	
	Beverly Lorraine Bryan	
	Charles Alvin Blake	
	Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	
	Williamstown United Methodist Church	
BOE Carlie James	Carlie James	1-4-5
Carrie James	Susan Dankel	1 <mark>2/17/</mark> 202
	Susan Dankei Wanda Zeitler Stearns	
	Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	
	Beverly Lorraine Bryan	
	Charles Alvin Blake	
	Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	
	Williamstown United Methodist Church	

KEYSTONE CONSULTANTS, LLC

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PAGE 7 OF 9

	SURFACE OWNER	LESSOR	PIN 1-4-2
OF	Carlie James	Carlie James	1-4-2
		Susan Dankel	
		Wanda Zeitler Stearns	1
		Beverly Lorraine Kvochick, fka Beverly Lorraine Blake, Beverly Lorraine Dillon and	
		Beverly Lorraine Bryan	
		Charles Alvin Blake	
		Trustees of the First United Methodist Church, Williamstown, West Virginia, aka First	
		Williamstown United Methodist Church	
5A	Kevin L Kelley	Mary Claire Bohrer	1-17-31
5A	Kevin L Kelley & Lynne E Kelley	Stephen Howard	1-17-31.
2/1	Nevin Exercy & Lynne Exercy	Clarence N. Leggett	
		Wilma Belle Duty	
		Martha Lou Burley	
		Barbara Davila	
		Donna Wright	
		Paul Thomas Gregg	
		Donna Sue Luh	
		Roberta Sue Boone	
		Edward Ray Edgell	
		Teresa Kay LaBarbera	
		Davetta Rae Pineda	
		Alice Hazel Ward	
		Wilma S. Ward	
		Brenda Deese Edgell	
		Jean Pearl Bearss	
		Maria Cecilia Muller	
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
		Albert E. Duty	
		Robert R. Washburn	
		Dane W. Zinn	
		Deloris Hughes	
		Teresa Rush and Ronal W. Rush, W/H	
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	
		Ruth G. Halverson aka Naoma R Halverson	1
		Catherine Ann Duginski	
		Sandy Swearingen	-
		Kevin Leisy and Marion Leisy, H/W	-
		Karen J. Calzada and Candelario A. Calzada, W/H	-
		Kimberley Ann Garrison	
		Kenlyn West	-
		David A. Elko	-
		Ryan Michael Hallman	-
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	-
		Theresa A. Vachon and Richard R. Vachon, W/H	-
		Marjorie L. Miller	-
		Kristina Marie Hallman	-
		Matthew Leisy	-
		Albert E. Garrison, Jr.	-
		Nicholas Jeremy Haliman	-
		William Royce Nickey	-
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley	
		Family Trust	
		Kevin William Nickey	-
		Christine Washburn, AIF for Helen Washburn	-
		Linda L. Crystal Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
		Sheila K. Tallon aka Sheila K. Tallon	
		Ardenna Kay Rienstra	
		Paul Xavier Sanchez, aka Paul Haliman	-
		David W. Wood and Jody A. Wood, H/W	7/202
		Rachael Escopedo	1 - 52
		William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
		Penelope Margaret Bowers	-
		John Stephen Swiger Robert Swearingen and Anne Swearingen, H/W	



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STATE

COUNTY

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PAGE 8 OF 9

- 1	SURFACE OWNER	LESSOR	PIN
		Julia Ann Owens Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	-
		Cynthia Sue Bair	
		Paula Kulbaga and Paul Kulbaga, W/H	
		Barbara Nickey Kester	
		Sherry Ann Nicholson	
		Timothy J. Tefs	
		James A. Tefs	
		Daniel Edward Kester	
		Karen Anne Kester	
		Steven Rvan Kester	
		Bobby Lynn Tefs	
		Marie Christine Castro Brinks	
			-
		Helen Kathleen Scollan	-
		Pamela Carson Leggett	
		Barbara Lacossee	-
		James McCulloch	-
		Elizabeth Duty Samson	-
		Alfredo E. Gallardo, Jr.	-
		Jose N. Bautista	-
		Paula N. Bautista, aka, Sister Maria Teresa Bautista	4 47 04
5B	Kevin L Kelley	Mary Claire Bohrer	1-17-31
5B	Kevin L Kelley & Lynne A Kelley	Stephen Howard	1-17-31.
		Clarence N. Leggett	-
		Wilma Belle Duty	-
		Martha Lou Burley	-
		Barbara Davila	-
		Donna Wright	-
		Paul Thomas Gregg	-
		Donna Sue Luh	-
		Roberta Sue Boone	
		Edward Ray Edgell	
		Teresa Kay LaBarbera	
		Davetta Rae Pineda	
		Alice Hazel Ward	
		Wilma S. Ward	
		Brenda Deese Edgell	
		Jean Pearl Bearss	
		Maria Cecilia Muller	
		Norma B. Campbell	
		Thomas Wade Bush	
		Ronald G. Bush	
		Richard J. Bush	
		Daniel John Bush	
		Constance Bowles	
		Hermenegilda T. Bautista	
		Corazon J. Bautista	
		Francis D. Bautista	
		Albert E. Duty	
		Robert R. Washburn	
		Dane W. Zinn	
			-
		Deloris Hughes Teresa Rush and Ronal W. Rush, W/H	
		William Nicholson, aka William W. Nicholson and Judith B. Nicholson, H/W	
		Ruth G. Halverson aka Naoma R Halverson	
		Catherine Ann Duginski	
		Sandy Swearingen	
		Kevin Leisy and Marion Leisy, H/W	
		Karen J. Calzada and Candelario A. Calzada, W/H	
		Kimberley Ann Garrison	-
		Kenlyn West	-
		David A. Elko	
		Ryan Michael Hallman	
		Charles E. Garrison and Patricia A. Garrison	
		Richard A. Elko	-
		Theresa A. Vachon and Richard R. Vachon, W/H	
		Marjorie L. Miller	-
		Kristina Marie Hallman	2021
		Matulew Leisy	4021
		Albert E. Garrison, Jr.	
		Nicholas Jeremy Hallman	
		William Royce Nickey	-
		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley	



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PAGE 9 OF 9

SURFACE OWNER	LESSOR	PIN
	Kevin William Nickey	
	Christine Washburn, AIF for Helen Washburn	
	Linda L. Crystal	
	Sandra Strissel, as Guardian of the Property for David Garrison, aka David Lee Garrison	
	Sheila K. Tallon aka Sheila K. Tallon	
	Ardenna Kay Rienstra	
	Paul Xavier Sanchez, aka Paul Hallman	
	David W. Wood and Jody A. Wood, H/W	
	Rachael Escobedo	
	William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	
	Penelope Margaret Bowers	
	John Stephen Swiger	
	Robert Swearingen and Anne Swearingen, H/W	
	Martha Joan McCulloch	
	Julia Ann Owens	
	Thomas S. Pace, POA for Bobbie Pace, aka Bobby S. Pace	
	Cynthia Sue Bair	
	Paula Kulbaga and Paul Kulbaga, W/H	
	Barbara Nickey Kester	
	Sherry Ann Nichalson	
	Timothy J. Tefs	
	James A. Tefs	
	Daniel Edward Kester	
	Karen Anne Kester	
	Steven Ryan Kester	
	Bobby Lynn Tefs	
	Marie Christine Castro Brinks	
	Helen Kathleen Scollan	
	Pamela Carson Leggett	
	Barbara Lacossee	
	James McCulloch	
	Elizabeth Duty Samson	
	Alfredo E. Gallardo, Jr.	
	Jose N. Bautista	
	Paula N. Bautista, aka, Sister Maria Teresa Bautista	
Carlie James	West Virginia Department of Transportation, Division of Highways	1-4-2

12/17/2021



API WELL NO 47 - 095 - 0277(

STATE

COUNTY

PERMIT

WW-6A1 (5/13)

Operator's Well No.	SHR37NHSM
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

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

See attached

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

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

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

RECEIVED
Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection

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

By: CNX GAS COMPANY LLC
Sarah Weigand

Its: Manager Upstream Permitting

Page 1 of 10

			<u>L</u>			
!		Attachment - Forn	WW-6A-1 for SHR37NHSM			
				 		
ect ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Granteo, Lessee, etc	Royalty	Book/Page
1	<u>Parcel</u> 1-17-5	QL5# 269278000	Eleanor V. Earnheart and Dean A. Earnheart, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/74
•			Ciella Boice, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/76
\neg			Lueils I. McConnell, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/78
\neg			Agnes Godwin, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/80
			Nancy P. McClain and Ralph E. McClain, wife and husband	Sefco Enterprises, Inc.	Not less than 1/8	267/82
			Georgia P. Snyder, divorced	Sefco Enterprises, Inc.	Not less than 1/8	267/84
			Bradle Pipes and Goldle Pipes, his wife	Sefco Enterprises, Inc.	Not less than 1/8	267/86
			Pursie Pipes and Norma J. Pipes, husband and wife	Sefco Enterprises, Inc.	Not less than 1/8	267/88
\neg			Dorothy Belle Wells and Byron Wells, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/90
			Wanda Weekley, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/581
			Myrna Morgan and David Morgan, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/640
			Sefco Enterprises, Inc.	Eastern American Energy Corporation	Assignment	285/650
			Eastern American Energy Corporation	Seneca-Upshur Petroleum, Inc.	Assignment	354/757
_			Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC	Assignment	381/540
			Seneca-Upshur Petroleum, LLC	Antero Resources Appalachian Corporation	Assignment	402/132
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	wvsos
1			Antero Resources Corporation	CNX Gas Company, LLC & Noble Energy Inc.	Assignment	425/701
				ļ		427/564
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	550/273
in T	Tax Map &	Title Opinion	Granter Lacens ata	Grantee, Lessee, etc	Roysity	Book/Page
ĮD.	Parcel	QLS#	Grantor, Lessor, etc	ALDINES, FEBRES, BIC		
	1-17-6	266300000	Eleanor V. Earnheart and Dean A. Earnheart, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/74
			Clella Boice, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/76
			Luella I. McConnell, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/78
\neg			Agnes Godwin, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/80
			Nancy P. McClain and Ralph E. McClain, wife and husband	Sefco Enterprises, Inc.	Not less than 1/8	267/82
			Georgia P. Snyder, divorced	Sefco Enterprises, Inc.	Not less than 1/8	267/84
			Bradie Pipes and Goldie Pipes, his wife	Sefco Enterprises, Inc.	Not less than 1/8	267/86
			Pursie Pipes and Norma J. Pipes, husband and wife	Sefco Enterprises, Inc.	Not less than 1/8	267/88
			Dorothy Belle Wells and Byron Wells, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/90
			Wanda Weekley, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/581
			Myrna Morgan and David Morgan, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/640
			Sefco Enterprises, Inc.	Eastern American Energy Corporation	Assignment	285/650
	··•		Eastern American Energy Corporation	Seneca-Upshur Petroleum, Inc.	Assignment	354/757
			Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC	Assignment	381/540
			Senece-Upshur Petroleum, LLC	Antero Resources Appalachian Corporation	Assignment	402/132
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Corporation	CNX Gas Company, LLC & Noble Energy Inc.	Assignment	425/701
1						427/564
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	550/273
			Reva D. Rowland, a/k/a Reva Rowland and Ronald Royce Rowland	CNX Gas Company, LLC	Not less than 1/8	661/312
	Tex Map &	Title Opinion	<u> </u>		D	01-0
t ID	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
A	Middle	N/A	West Virginia Division of Natural Resources	Antero Resources Corporation	Not less than 1/8	553/295
	Island Creek					
- 1						
			Antero Resources Corporation	CNX Gas Company, LLC	Affidavit of Agreement	624/332
						1
	Tax Map &	Title Opinion		5	D	01/0
1			Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Pag
ID.		QLS#				
CID.	Parcel 1-17-12.1	QLS# 271971000	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, h/w, Dorsey Doak and	Hope Natural Gas Company	Not less than 1/8	73/138
CID.	Parcel		Sarah E. Doak, Austin Doak, and Myrtle E. Doak, h/w, Dorsey Doak and Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, tida Lemasters and Elzy	Hope Natural Gas Company	Not less than 1/8	73/138
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy		Not less than 1/8	73/138
שוי	Parcel					73/138
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company	Consolidated Gas Supply Corporation	Not less than 1/8 Assignment Assignment	
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, ida Lemasters and Elzy Lemasters, w/h, Myrtle White and Jasper White, w/h		Assignment	169/26
שוי	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jesper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation	Consolidated Gas Supply Corporation	Assignment Assignment	169/26
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, tda Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation	Assignment	169/26 249/287
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, tda Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc.	Assignment Assignment Assignment	169/26 249/287 326/34
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc.	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation	Assignment Assignment Assignment Assignment Extension	169/26 249/287 326/34 643/153 20/291
10	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc.	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation	Assignment Assignment Assignment Assignment	169/26 249/287 326/34 643/153
CID.	Parcel		Sarah E. Doak, Ir/M, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CORT Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC	Assignment Assignment Assignment Assignment Extension Assignment	169/26 249/287 326/34 643/153 20/291 23/398
CID.	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc.	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation	Assignment Assignment Assignment Assignment Extension	169/26 249/287 326/34 643/153 20/291
TIU.	Parcel		Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jesper White, w/h Hope Nature I Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/k/a Ascent Resources Marcellus	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC	Assignment Assignment Assignment Assignment Extension Assignment	169/26 249/287 326/34 643/153 20/291 23/398
X .	Parcel		Sarah E. Doak, Ir/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Supply Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/k/a Ascent Resources Marcellus Minerals, LLC	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC	Assignment Assignment Assignment Assignment Extension Assignment Fee	169/26 249/287 326/34 643/153 20/291 23/398 655/515
X .	Parcel 1-17-12-1	271971000 Title Opinion	Sarah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jesper White, w/h Hope Nature I Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/k/a Ascent Resources Marcellus	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC	Assignment Assignment Assignment Assignment Extension Assignment	169/26 249/287 326/34 643/153 20/291 23/398 655/515
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A SID	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, Ir/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, hyrite White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNIX Gas Company, LLC CNIX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer	Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page
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ID ID	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Supply Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak J. E. Trainer and Tressle May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Eastern Petroleum Company	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company	Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8 Assignment Assignment Assignment Assignment	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/P88 71/174 80/346
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tiD.	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, In/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, hytrite White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak J. E. Trainer and Tressie May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Eastern Petroleum Company Culthon Old & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO Resources (WV), Inc.	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clithon Oil & Gas Company Clithon Oil & Gas Company Cuaker State Out Refining Corporation Quaker State Corporation Belden & Blake Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO Resources (WV) EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC, and EXCO Resources (PA), LLC	Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Name Change	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 71/174 80/346 80/338 94/61 270/111 W/SOS 311/540 8/702 9/80 W/SOS W/SOS 374/808
tiD.	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lamasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Supply Corporation CNG Transmission Corporation Mike Ross, Inc. Mi	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNN Gas Company, LLC CNN Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Belden & Blake Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO Resources (WV) EXCO Resources (WV), LLC EXCO Resources (WV), LLC Company (WV), LLC, and EXCO Resources (PA), LLC EXCO Production Company (WV), LLC EXCO Production Company (WV), LLC EXCO Production Company (WV), LLC	Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Name Change	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/P88(71/174 80/346 80/338 94/61 270/111 WNSOS 311/594 321/340 8/702 9/80 WNSOS WYSOS
A LID	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, Iv, M., Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak J. E. Trainer and Tressle May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Lessern Petroleum Company Clifton Oil & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Peake Energy, Inc. EXCO Nesources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Production Company (WV), LLC, 8G Production Company (WV), LLC EXCO Production Company (WV), LLC, 8G Production Company (WV), LLC EXCO Production Company (WV), LLC	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clithon Oil & Gas Company Clithon Oil & Gas Company Cuaker State Out Refining Corporation Quaker State Corporation Belden & Blake Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO Resources (WV) EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC EXCO Resources (WV), LLC, and EXCO Resources (PA), LLC	Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Name Change	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 71/174 80/346 80/338 94/61 270/111 W/SOS 311/540 3/702 9/80 W/SOS W/SOS 374/808
tiD.	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, In/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, hytrite White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation CMG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak J. E. Trainer and Tressie May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO-Resources (WV), LLC EXCO Resources (WV), LLC	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clithon Oil & Gas Company Lic Company (WV), LLC, Gas Production Company (WV), LLC, and EXCO Resources (PA), LLC EXCO Production Company (WV), LLC Antero Resources Appalachian Corporation	Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Name Change Name Change Name Change Name Change Name Change Assignment Name Change Name Change Name Change Assignment Name Change Name Change Name Change Assignment Name Change Assignment	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 71/174 80/346 80/338 94/61 270/111 W/SOS 311/540 8/702 9/80 W/SOS W/SOS 374/808
in in	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lamasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Caille Doak J. E. Trainer and Tressle May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company Quaker State Corporation Quaker State Corporation Delden & Blake Corporation Delden & Blake Corporation Peake Energy, Inc. EXCO. North Coast Energy Eastern, Inc. EXCO. Resources (WV) EXCO. Resources (WV), LLC EXCO. Resources (WV), LLC EXCO. Resources (PA), LLC Antero Resources Appalachian Corporation	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Belden & Blake Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO Resources (WV), LLC EXCO Production Company (WV), LLC, and EXCO Resources (PA), LLC EXCO Production Company (WV), LLC Antero Resources Appalachian Corporation Antero Resources Corporation	Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Name Change Assignment Name Change Name Change Assignment Name Change Name Change Assignment	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/P886 71/174 80/346 80/338 94/61 270/111 WYSOS 371/808 WYSOS WYSOS 406/195
A	Parcel 1-17-12.1 Tax Map & Parcel	271971000 Title Opinion QLS #	Sarah E. Doak, In/W, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Etry Lemasters, w/h, hytrite White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation CMG Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc A.E. Doak and Calife Doak J. E. Trainer and Tressie May Trainer, George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepburn Eastern Petroleum Company Clifton Oil & Gas Company Quaker State Oil Refining Corporation Quaker State Corporation Peake Energy, Inc. North Coast Energy Eastern, Inc. EXCO-North Coast Energy Eastern, Inc. EXCO-Resources (WV), LLC EXCO Resources (WV), LLC	Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc J. E. Trainer W. W. Hepburn Eastern Petroleum Company Clithon Oil & Gas Company Lic Company (WV), LLC, Gas Production Company (WV), LLC, and EXCO Resources (PA), LLC EXCO Production Company (WV), LLC Antero Resources Appalachian Corporation	Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Name Change Name Change Name Change Name Change Name Change Assignment Name Change Name Change Name Change Assignment Name Change Name Change Name Change Assignment Name Change Assignment	169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 71/174 80/346 80/338 94/61 270/111 W/SOS 311/540 8/702 9/80 W/SOS W/SOS 374/808

Tract ID	Tax Map &	Title Opinion	Grentor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
938	Parcel 1-17-15	QLS # 265336000	Ancel Doak and Flora Doak, h/w	Dorsey Duty and R. H. Duty	Not less than 1/8	150/460
			Goldie McKitrick, widow			
			R. H. Duty, d/b/a Duty Oil Company	Edwin E. Cox and John A. Smith, d/b/a Ash Oil and Gas Company	Assignment	187/384
			John A. Smith and Edwin E. Cox, d/b/a Ash Oil and Gas Company	John A. Smith	Assignment	244/429
			John A. Smith and Edith U. Smith, h/w	John M. McKitrick and Clarence H. Wagner	Assignment	259/439
			C. H. Wagner and J. McKitrick	Appalachian Energy Development, Inc.	Assignment	363/311 329/538
			Appalachian Energy Development, Inc. Triad Energy Corporation of West Virginia, Inc.	Triad Energy Corporation of West Virginia, Inc. Viking International Resources Co., Inc., d/b/a	Assignment Assignment	333/230
-			irrad energy Corporation or west virginia, inc.	Virco	Artagament	252,250
			Viking International Resources Co., Inc.	Triad Energy Corporation	Assignment	338/164
			Triad Energy Corporation	Triad Hunter, LLC	Assignment	371/605
			Triad Hunter, LLC	Antero Resources Corporation	Assignment	626/653 629/658
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	029/030
	Tax Map &	Title Opinion		Complete Lauren abs	Douglby	Book/Page
Frect ID	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	
95	1-17-16	266302000	BRC Appalachian Minerals I, LLC	BRC Working Interest Company LLC	Not less than 1/8	369/300
	ļ		2004 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Character Associates 110	Assignment	369/648 369/784
			BRC Working Interest Company LLC Chesapeake Appalachia, LLC	Chesapeake Appalachia, LLC Statoil USA Onshore Properties Inc.	Assignment	378/764
			Chesapeake Appalachia, LLC	SWN Production Company, LLC	Assignment	465/463
			Statoil USA Onshore Properties Inc.	SWN Exchange Titleholder LLC	Assignment	470/668
			SWN Exchange Titleholder LLC	SWN Production Company, LLC	Merger	Corp. Bk. 9/404
	<u> </u>		SWN Production Company, LLC & Statoil USA Onshore Properties Inc.	Noble Energy, Inc. & CNX Gas Company LLC	Assignment	518/207 550/273
			Noble Energy, Inc.	CNX Gas Company LLC	Assignment	350/2/3
i			Norma Long, widow	Exxon Corporation	Not less than 1/8	209/132
			Exxon Corporation	Exxon Mobil Corporation	Name Change	wvsos
]			Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation CNX Gas Company LLC	Assignment Assignment	532/239 629/658
			Antero Resources Corporation	CHA Gas Company LLC	wastgament	023/038
			AMP Fund II, LP	CNX Ges Company, LLC	Not less than 1/8	121/232
			J&N Management LLC	CNX Gas Company, LLC	Not less than 1/8	102/32
		ment C		 		
Tract ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
96	<u>Parcel</u> 1-17-17	QLS# 292201000	Norma Long, widow	Exxon Corporation	Not less than 1/8	209/132
- 30	1-17-17	232201000	Exxon Corporation	Exxon Mobil Corporation	Name Change	wvsos
			Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation	Assignment	532/239
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Shirley A. Lohr	Noble Energy to	Not less than 1/8	534/268
			Noble Energy, Inc.	Noble Energy, Inc. CNX Gas Company LLC	Assignment	550/273
Tract (D	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QL5 #	i			
97	1-17-15	292200000 292198000	Pezri I. Slack Norma Long	Exxon Corporation	Not less than 1/8	209/260 209/132
	1-18-7	292138000	Exxon Corporation	Exxon Corporation Exxon Mobil Corporation	Not less than 1/8 Name Change	WVSOS
	1		Exxon Mobil Corporation	XTO Energy Inc.	Assignment	496/126
			XTO Energy Inc.	Antero Resources Corporation	Assignment	532/239
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
	Tax Map &	Title Opinion				
Tract (D	Parcel	QLS#	Grantor, Lossor, etc	Grantee, Lessee, etc	Royalty	Book/Page
98	1-17-11	271982000	Beverly Ann Underwood	Noble Energy, Inc.	Not less than 1/8	488/390
			Barbara McClain	Noble Energy, Inc.	Not less than 1/8	488/388
			Yale University	Noble Energy, Inc.	Not less than 1/8	531/136
			Noble Energy, Inc.	CNX Gas Company LLC CNX Gas Company LLC	Assignment	521/80
	·		; revers sitting; time	Lena Gas Company LLC		
ì					Assignment	550/273
			Tina Marie Vickery f/k/a Tina Marie Greenwood	CNX Gas Company LLC	Not less than 1/8	
			Cheryl Denise Ismert f/k/a Cheryl Denise Cole	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	550/273 65/353 73/179
			Cheryl Denise Ismert f/k/a Cheryl Denise Cole Shari Greenwood	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	550/273 65/353 73/179 68/309
			Cheryl Denise Ismert f/k/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314
			Cheryl Denise Ismert f/k/a Cheryl Denise Cole Shari Greenwood	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	550/273 65/353 73/179 68/309 62/314 85/584
			Cheryl Denise Ismert I/Iu/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237
			Cheryl Denise Ismert I/Iu/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randali Alien Pratt Chad Greenwood	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95
			Cheryl Denise Ismert I/Iu/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237
Franck ID	Tax Map & Parcel	Title Opinion	Cheryl Denise Ismert I/Iu/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237
Frect ID	Tax Map & Parcel	Title Opinion QLS # 271990000	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December	CNX Gas Company LLC Grantee, Lessee, etc	Not less than 1/8 Not less than 1/3	550/273 65/353 73/179 69/309 69/314 85/584 60/95 121/237 121/463
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December	CNX Gas Company LLC	Not less than 1/8	550/273 65/353 73/179 69/309 69/314 85/584 60/95 121/237 121/463 Book/Page
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dehie James P. Cuillinan	CNX Gas Company LLC Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pare 603/744 601/585 604/606
	Parcel	QLS#	Cheryl Denise Ismert I/k/a Cheryl Denise Cole Sharl Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Am Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee	CNX Gas Company LLC Antero Resources Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/PBRE 603/744 601/585 604/606 607/488
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dehie James P. Cuillinan	CNX Gas Company LLC Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	550/273 65/353 73/179 66/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606
	Parcel	QLS#	Cheryl Denise Ismert I/k/a Cheryl Denise Cole Sharl Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Am Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee	CNX Gas Company LLC Antero Resources Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/PBRE 603/744 601/585 604/606 607/488
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Sharl Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton	CNX Gas Company LLC Grantee Lessee etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Assignment	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pare 603/744 601/585 604/606 607/488 629/658
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dehle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w	CNX Gas Company LLC Grantee. Lessee. etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exon Corporation Exon Corporation Exon Corporation Exon Corporation Exon Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658 209/336 209/7356
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Sharl Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December Grantor, Lessor, etc Margaret C. Nied Helen C. Dahle Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Kelth Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marle L. Bradford, widow and heir under the Last Will and Testament of	CNX Gas Company LLC Grantes, Lesses, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation Exxon Corporation Exxon Corporation Exxon Corporation Exxon Corporation Exxon Corporation	Not less than 1/8	550/273 66/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and helr under the Last Will and Testament of James Perry Bradford	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/483 629/658 229/336 209/79 209/356 211/80
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Sharl Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Mary Ann Webster, Trustee of the Webster Living Trust, dated December Grantor, Lessor, etc Margaret C. Nied Helen C. Dahle Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Kelth Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marle L. Bradford, widow and heir under the Last Will and Testament of	CNX Gas Company LLC Grantee. Lessee. etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exon Corporation Exon Corporation Exon Corporation Exon Corporation Exon Corporation	Not less than 1/8	550/273 65/353 73/179 65/309 63/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658 209/336 209/735
	Parcel	QLS#	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Exxon Mobil Corporation XTO Energy, Inc.	CNX Gas Company LLC Grantee Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Extens Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658 209/336 209/73 209/356 211/80
	Parcel	QLS#	Cheryl Denise Ismert I/IL/a Cheryl Denise Cole Shard Greenwood Gany Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III, LP Niary Ann Webster, Trustee of the Webster Living Trust, dated December Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Kelth Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warner Upton and Frances J. Upton, h/w Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Lexon Mobil Corporation Exon Mobil Corporation	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exten Corporation	Not less than 1/8	550/273 65/353 73/179 68/209 68/314 85/584 60/95 121/237 121/463 Book/PBRE 603/744 601/565 604/506 607/488 629/658 209/336 209/79 209/356 211/80 WVSOS
101A	Parcel 1-18-11	Q15 # 271990000	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Exxon Mobil Corporation XTO Energy, Inc.	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation Exxon Robil Corporation XTO Energy, Inc. Antero Resources Corporation	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/483 629/658 209/356 211/80 WVSOS 496/126 532/239
Tract ID.	Parcel 1-18-11	QLS # 271990000	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gary Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Mary Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Exxon Mobil Corporation XTO Energy, Inc.	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation Exxon Robil Corporation XTO Energy, Inc. Antero Resources Corporation	Not less than 1/8	550/273 65/353 73/179 65/309 65/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658 229/336 229/356 211/80 WVSOS 496/126 532/239
101A	Parcel 1-18-11	Q15 # 271990000	Cheryl Denise Ismert I/It/a Cheryl Denise Cole Shari Greenwood Gany Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Many Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grantor, Lessor, etc Margaret C. Nied Helen C. Dehie James P. Cullinan Many C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and helr under the Last Will and Testament of James Perry Bradford Exoon Corporation Exoon Mobil Corporation XTO Energy, Inc. Antero Resources Corporation Grantor, Lessor, etc	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation Exxon Mobil Corporation XTO Energy, Inc. Antero Resources Corporation CNX Gas Company LLC Grantee, Lessee, etc	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Pere 603/744 601/585 604/606 607/488 629/658 209/336 209/356 211/80 WVSOS 496/126 532/239 629/658
101A	Parcel 1-18-11 In Map & Parcel	QLS # 271990000	Cheryl Denise Ismert I/IL/a Cheryl Denise Cole Shari Greenwood Gany Lee Greenwood Randall Allen Pratt Chad Greenwood AMP Fund III. IP Many Ann Webster, Trustee of the Webster Living Trust, dated Decembe Grentor, Lessor, etc Margaret C. Nied Helen C. Dahle James P. Cullinan Mary C. Schilling Trust – 2010, by Keith Schilling, Trustee Antero Resources Corporation William Paul McCutchan and Virginia B. McCutchan Kathleen Bradford Upton William Warren Upton and Frances J. Upton, h/w Marie L. Bradford, widow and heir under the Last Will and Testament of James Perry Bradford Exxon Corporation Exxon Mobil Corporation XTO Energy, Inc. Antero Resources Corporation	CNX Gas Company LLC Grantee, Lessee, etc Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Exxon Corporation Exxon Mobil Corporation XTO Energy, Inc. Antero Resources Corporation CNX Gas Company LLC Grantee, Lessee, etc	Not less than 1/8	550/273 65/353 73/179 68/309 68/314 85/584 60/95 121/237 121/463 Book/Page 603/744 601/585 604/606 607/488 629/658 209/336 209/356 211/80 WVSOS 496/126 532/239 629/658

						383/342
			Key Oil Company	Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation	Assignment Assignment	400/515
			Key Oil Company Antero Resources Appalachian Corporation	Antero Resources Apparachian Corporation	Name Change	wvsos
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
						200 /62
			Robert E. Burgess, Sr. and Barbara Burgess, h/w	B&M Associates	Not less than 1/8	301/62 301/64
			B&M Associates	Key Oil Company Antero Resources Appalachian Corporation	Assignment Assignment	383/342
			Key Oil Company Key Oil Company	Antero Resources Appalachian Corporation	Assignment	400/515
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	wvsos
	 		Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
						114/202
			Trustee of the Arnold's Creek Christian Church	CNX Gas Company LLC	Not less than 1/8	114/263
		Tula Onlalan		+ -		
ract ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
104A	1-18-8	293623000	James Marr Southern and Penny G. Southern, h/w	CNX Gas Company LLC	Not less than 1/8	66/275
	1		Ronald J. McBee	CNX Gas Company LLC	Not less than 1/8	63/229
			Connie Sue Conrad	CNX Gas Company LLC	Not less than 1/8	63/225
			James Lee Phillips a/k/a James L. Phillips	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	76/202 87/434
	 		Ctyde Williams Phillips a/k/a Ctyde W. Phillips Joyce E. Matthews	CNX Ges Company LLC CNX Ges Company LLC	Not less than 1/8	102/35
			Chad W. Johnson	CNX Gas Company LLC	Not less than 1/8	126/537
	 		Janice Coffindaffer	CNX Gas Company LLC	Not less than 1/8	44/756
			Sandra Jean Fox	CNX Gas Company LLC	Not less than 1/8	68/304
			Harry R. Fox	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	128/789 135/73
			Stephen Fox Troy Fox	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	131/265
	 		Melanie L. Yoak	CNX Gas Company LLC	Not less than 1/8	119/129
			Kenneth J. Butler, Jr.	CNX Gas Company LLC	Not less than 1/8	82/39
			Bruce D. Knowiton	CNX Gas Company LLC	Not less than 1/8	129/328
			William Hubbard and Anita Joy Hubbard, h/w	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	108/554 85/579
	ļ		Robert Hubbard and Barbara Hubbard, h/w	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	108/559
			Bonnie Zelic Bradley Hubbard	CNX Gas Company LLC	Not less than 1/8	108/564
	1		John Paul Smith, Jr.	CNX Ges Company LLC	Not less than 1/8	113/174
			Diane Mikes a/k/a Dianna M. Mikes	CNX Gas Company LLC	Not less than 1/8	131/260
			Berbera McClein	CNX Gas Company LLC	Not less than 1/8	57/143
	 		James R. Underwood	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	73/174 82/24
			Sherry Quay Robert A. Wagner and Mabel L. Wagner, as Trustees of the Robert and	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	114/256
	1		Mabel Wagner Living Trust			·
			Kathleen Cody	CNX Gas Company LLC	Cotenancy	134/121
			Charles H. Bower, Jr.	CNX Gas Company LLC	Cotenancy	134/121 134/121
	 		Desolyn Florence Doak Brenda S. Ryan	CNX Gas Company LLC CNX Gas Company LLC	Cotenancy	134/121
			John Paladino	CNX Gas Company LLC	Cotenancy	134/121
	†·					
ract ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#				527/491
105	1-17-30	293237000	Bryan Edward Foster Eric Carl Foster and Angela Foster, h/w	Noble Energy, Inc. Noble Energy, Inc.	Not less than 1/8 Not less than 1/8	527/495
	 		Relph M. Hiley and Rita E. Hiley, h/w	Noble Energy, Inc.	Not less than 1/8	527/503
	1		Roger Hiley and Danita Hiley, h/w	Noble Energy, Inc.	Not less than 1/8	527/511
			Virginia M. Ash and Jack Ash, w/h	Noble Energy, Inc.	Not less than 1/8	538/562
			Linda Cozzr	Noble Energy, Inc.		
	<u> </u>				Not less than 1/8	538/471
			Carol Gene Cogar and Carol Jeanne Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/440
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w	Noble Energy, Inc. Noble Energy, Inc.		
			Carol Gene Cogar and Carol Jeanne Cogar, h/w	Noble Energy, Inc. Noble Energy, Inc. Noble Energy, Inc.	Not less than 1/8 Not less than 1/8	538/440 538/574
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linds L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h	Noble Energy, Inc. Noble Energy, Inc.	Not less than 1/8	538/440 538/574 538/545 538/463 538/479
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/440 538/574 538/545 538/463 538/479 538/428
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymon Cogar and Helen I. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/440 538/574 538/545 538/463 538/479 538/428 538/566
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linds L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymonn Cogar and Helen L. Cogar, h/w David Leroy Cogar	Noble Energy, Inc.	Not less than 1/8	538/440 538/574 538/545 538/463 538/479 538/428 533/566 541/518
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymon Cogar and Helen I. Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	538/440 538/574 538/545 538/463 538/479 538/428 538/566
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linds L. Khumnark Unds L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/514 \$38/545 \$38/463 \$33/479 \$35/428 \$38/566 \$41/518 \$41/522 \$38/507
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linds L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymonn Cogar and Helen L. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/574 \$38/545 \$38/463 \$38/479 \$33/428 \$38/566 \$41/518 \$41/530 \$41/525 \$38/507 \$38/507
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/n Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$33/428 \$33/428 \$33/666 \$41/518 \$41/530 \$41/522 \$33/507 \$38/437 \$38/437
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linda L. Khummark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khummark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/514 \$38/545 \$38/453 \$38/453 \$38/453 \$38/453 \$41/518 \$41/518 \$41/522 \$38/507 \$38/487 \$38/487 \$38/459
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$33/428 \$33/428 \$33/666 \$41/518 \$41/530 \$41/522 \$33/507 \$38/437 \$38/437
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linds L. Khummark Patricla Mulway and Edwin D. Mulway, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khummark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$38/463 \$38/463 \$38/566 \$41/518 \$41/510 \$41/522 \$38/507 \$38/487 \$43/550 \$46/17 \$46/5 \$43/386
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linds L. Khumnark Unds L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymon Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brends Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Pieto Deborsh Garmer Dew, a/k/a Debble Dew	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/514 \$38/545 \$38/463 \$38/463 \$38/463 \$38/566 \$41/518 \$41/530 \$41/522 \$38/507 \$38/487 \$38/459 \$48/550 \$46/17 \$46/5 \$43/346 \$43/341
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garner Dew, a/k/a Debble Dew Edith I. Wise	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/514 \$38/545 \$38/453 \$38/453 \$38/453 \$38/428 \$38/566 \$41/518 \$41/510 \$41/522 \$38/507 \$38/507 \$38/459 \$43/550 \$46/5 \$43/386 \$43/386 \$43/386 \$43/381
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linda L. Khummark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$38/463 \$38/463 \$38/566 \$41/518 \$41/510 \$41/522 \$38/807 \$38/487 \$45/50 \$4
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garner Dew, a/k/a Debble Dew Edith I. Wise	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/514 \$38/545 \$38/453 \$38/453 \$38/453 \$38/428 \$38/566 \$41/518 \$41/510 \$41/522 \$38/507 \$38/507 \$38/459 \$43/550 \$46/5 \$43/386 \$43/386 \$43/386 \$43/381
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Linda L. Khummark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khummark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Gemer Noble Energy, Inc.	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$38/479 \$38/428 \$38/566 \$41/518 \$41/510 \$41/522 \$38/507 \$38/487 \$41/522 \$38/487 \$41/522 \$38/489 \$43/550 \$46/17 \$46/5 \$43/386 \$43/411 \$47/565 \$47/569 \$50/273
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Muhay and Edwin D. Muhay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher	Noble Energy, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/463 538/478 538/428 538/566 541/530 541/530 541/530 541/530 541/530 543/350 543/350 543/350 543/350 543/350 543/356 543/356 543/356 543/356 543/356 543/356 543/356 543/356 543/356 543/356
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecas S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Latura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher	Noble Energy, Inc.	Not less than 1/8	\$38/440 \$38/545 \$38/545 \$38/463 \$38/475 \$38/475 \$38/475 \$41/510 \$41/510 \$41/522 \$38/507 \$38/507 \$38/507 \$38/507 \$46/5 \$43/386 \$43/411 \$47/565 \$47/569 \$50/273 \$55/720 \$55/720
			Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Muhay and Edwin D. Muhay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher	Noble Energy, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/463 538/475 538/475 538/475 538/475 541/530 541/530 541/530 541/530 543/550 543/350
	Tax Map &	Title Opinion	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Reymond Cogar and Roma A. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebeccs S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborsh Garner Dew, a/k/a Debble Dew Edith I. Wiss Joseph A. Garner Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher Antero Resources Corporation	Noble Energy, Inc. Noble Energy,	Not less than 1/8	538/440 538/545 538/545 538/545 538/645 538/463 538/475 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/59 546/5 543/386 543/411 547/565 547/569 550/273
rest ID	Tex Map & Parcel	Title Opinion QLS #	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecas S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Latura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher	Noble Energy, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/663 538/479 538/428 538/566 541/530 541/530 541/532 538/507 538/487 538/507 546/5 543/356 543/366 543/366 543/366 555/726
		QLS# 293597000	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Reymond Cogar and Roma A. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w Wilford Leymoth Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebeccs S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Hetcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborsh Garner Dew, a/k/a Debble Dew Edith I. Wiss Joseph A. Garner Noble Energy, Inc. Russell Ray Fletcher Delores Fletcher Antero Resources Corporation	Noble Energy, Inc. Noble Energy,	Not less than 1/8	538/440 538/545 538/545 538/545 538/645 538/463 538/475 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/487 538/59 546/5 543/386 543/411 547/565 547/569 550/273
	Parcel	QLS#	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvey, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc. Ronal Rush and Teresa Rush, h/w	Noble Energy, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/643 538/428 538/665 541/530 541/530 541/532 538/67 538/67 538/67 538/67 546/5 543/386 543/386 543/381 555/720 555/720 555/720 555/720 555/720 555/720
	Parcel	QLS# 293597000	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Lord L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Reymond Cogar and Norma A. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborsh Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Gamer Noble Energy, Inc. Russell Ray Fletcher Deiores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Ronal Rush and Teresa Rush, h/w Noble Energy, Inc.	Noble Energy, Inc. CXX Gas Company LLC Grantee, Lessee, etc Noble Energy, Inc. CXX Gas Company, ILC	Not less than 1/8	\$38/440 \$58/545 \$58/545 \$58/545 \$58/545 \$58/663 \$58/475 \$58/666 \$541/518 \$541/522 \$538/507 \$538/487 \$538/487 \$538/487 \$54/526 \$54/517 \$546/5 \$54/3/386 \$543/411 \$547/565 \$547/569 \$550/273 \$55/720 \$556/636 \$555/715 \$629/658
	Parcel	QLS# 293597000	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Linda L. Khumnark Patricla Muhvay and Edwin D. Mulvey, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc. Ronal Rush and Teresa Rush, h/w	Noble Energy, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/643 538/428 538/665 541/530 541/530 541/532 538/507 538/487 538/67 546/5 543/386 543/381 547/565 547/569 550/273 555/720 555/720 555/720 555/720 555/720 554/588
109A	Parcel	QLS# 293597000	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Golidie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Robel Energy, inc. Noble Energy, inc.	Noble Energy, Inc. CANY Gas Company LLC Grantee, Lessee, etc Noble Energy, Inc.	Not less than 1/8 Assignment Roygity Not less than 1/8 Assignment	538/440 538/545 538/545 538/545 538/545 538/463 538/478 538/428 538/566 541/530 541/530 541/530 541/530 543/550 546/57 543/356 555/715 629/658
109A	<u>Parcel</u> 1-17-30	QLS# 293597000 295168000	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Lord L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Reymond Cogar and Norma A. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborsh Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Gamer Noble Energy, Inc. Russell Ray Fletcher Deiores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Ronal Rush and Teresa Rush, h/w Noble Energy, Inc.	Noble Energy, Inc. CXX Gas Company LLC Grantee, Lessee, etc Noble Energy, Inc. CXX Gas Company, ILC	Not less than 1/8	538/440 538/545 538/545 538/545 538/645 538/645 538/479 538/428 538/566 541/518 541/522 538/507 538/487 538/487 538/487 546/5 543/386 543/411 547/565 547/569 550/273 555/720 556/626 555/715 629/658
rest ID	Parcel 1-17-30 Tax Map &	QLS # 293597000 295168000 Title Opinion	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Muhaya and Edwin D. Mulvey, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Uillie M. Shepherd Uillie M. Shepherd	Noble Energy, Inc. CNX Gas Company LLC Grantee, Lessee, etc Petroleum Services, Inc.	Not less than 1/8 Assignment Royelty Not less than 1/8 Assignment Royelty Not less than 1/8 Assignment	538/440 538/545 538/545 538/545 538/545 538/545 538/429 538/428 538/566 541/530 541/541 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/547 550/273
109A	Parcel 1-17-30 Tax Map & Parcel	QLS # 293597000 295168000 Httle Opinion QLS #	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Lunda L. Khumnark Patricla Mutway and Edwin D. Mulway, w/h Raymond Cogar and Norma A. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Deiores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Lillie M. Shepherd Lullie M. Shepherd Lullie M. Shepherd Allegheny Land and Mineral Company	Noble Energy, Inc. CNX Gas Company LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc.	Not less than 1/8	\$38/440 \$538/545 \$538/545 \$538/545 \$538/463 \$538/463 \$538/463 \$538/463 \$538/463 \$538/463 \$538/463 \$541/530 \$541/530 \$541/530 \$541/530 \$543/550 \$545/750 \$556/75
109A	Parcel 1-17-30 Tax Map & Parcel	QLS # 293597000 295168000 Httle Opinion QLS #	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Larry Cogar and Aris Cogar, h/w Unda L. Khumnark Patricla Mulvay and Edwin D. Mulvay, w/h Raymond Cogar and Norma A. Cogar, h/w Wilford Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Golidie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, inc. Russell Ray Fletcher Delores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Willie M. Shepherd Lillie M. Shepherd Lillie M. Shepherd Lessor, etc Uiltie M. Shepherd Allegheny Land and Mineral Company The Union National Bank as Trustee for Truman E. Gore and C. Burke	Noble Energy, Inc. CNX Gas Company LLC Grantee, Lessee, etc Petroleum Services, Inc.	Not less than 1/8 Assignment Royelty Not less than 1/8 Assignment Royelty Not less than 1/8 Assignment	538/440 538/545 538/545 538/545 538/545 538/545 538/429 538/428 538/566 541/530 541/541 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/547 550/273
109A	Parcel 1-17-30 Tax Map & Parcel	QLS # 293597000 295168000 Httle Opinion QLS #	Carol Gene Cogar and Carol Jeanne Cogar, h/w Gall Bradly Cogar and Patricla L. Cogar, h/w Larry Cogar and Aris Cogar, h/w Lunda L. Khumnark Patricla Mutway and Edwin D. Mulway, w/h Raymond Cogar and Norma A. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w Willord Leymoin Cogar and Helen I. Cogar, h/w David Leroy Cogar Estate of Brenda Dillon, by Linda Khumnark, Executor Rebecca S. Cogar Eleanor R. Williamson Goldie M. Cogar Kenneth S. Cogar and Bernice Cogar, h/w Brian W. Shepherd Laura Boyer Robert A. Fletcher and Ellen Suzanne Fletcher, h/w Tammy Prieto Deborah Garmer Dew, a/k/a Debble Dew Edith I. Wise Joseph A. Garmer Noble Energy, Inc. Russell Ray Fletcher Deiores Fletcher Jon Scott Fletcher Antero Resources Corporation Grantor, Lessor, etc Lillie M. Shepherd Lullie M. Shepherd Lullie M. Shepherd Allegheny Land and Mineral Company	Noble Energy, Inc. CNX Gas Company LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc.	Not less than 1/8	538/440 538/545 538/545 538/545 538/645 538/463 538/475 538/463 538/475 538/475 538/565 541/530 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/545 541/555/720 541/545 54

			Summer Gas Associates 78-2	Frontier Energy Corporation	Affidavit	175/490
			Frontier Energy Corporation	Key Oil Company	Assignment	172/655
	-		Key Oil Company	Antero Resources Appalachian Corporation	Assignment	256/285
			Key Oil Company	Antero Resources Appalachian Corporation	Assignment	276/526 WVSOS
			Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	481/395
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	401/333
			<u> </u>			
Tract ID	Tex Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#	<u></u>	Anter Division Companylon	Not less than 1/8	443/269
113	1-2-1.1	293589000	David Allen Bess, a/k/a David A. Bess	Antero Resources Corporation CNX Gas Company, LLC	Assignment	481/395
	į		Antero Resources Corporation	Crex das company, LLC		
			Shirley Lohr	EQT Production Company	Not less than 1/8	440/497
			Charter D. Stinespring II and Stephanie Stinespring, h/w	EQT Production Company	Not less than 1/8	441/618
	-·		Victor Goff Stinespring and Pamela R. Stinespring, h/w	EQT Production Company	Not less than 1/8	443/504
			EQT Production Company	CNX Gas Company, LLC	Assignment	498/388
						<u> </u>
		<u>-</u>	IN SEARCH OF THE LORD'S WAY, INC. a/k/a, IN SEARCH OF THE LORD'S	CNX Gas Company, LLC	Not less than 1/8	497/450
			WAY			·
			Norma T. Long Trust, dated November 8, 2013	CNX Gas Company, LLC	Not less than 1/8	498/362
Tract ID	Tex Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#				244 1974
114	1-2-1	293579000	Sonya Rickel and Joe Rickel Jr., w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/176
	1-2.1.2					
			Charlotte Bryant and Ervin Bryant, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/492
			Garrett G. Pyles	Clarence W. Mutschelknaus	Not less than 1/8	140/496
	L		Janice Phelps and Harry Phelps, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/31
			Robert F. Pratt and Glenna Z. Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/35
			Kenneth E. Pratt and Laura L. Pratt, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/11
-			Janet P. Tinkham and Elwin I. Tinkham, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/360 140/500
	 	 	Allen Pratt and Patricia Pratt, h/w Jean Cole and Robert L. Cole, w/h	Clarence W. Mutschelknaus	Not less than 1/8 Not less than 1/8	140/488
	 	 	Jean Cole and Robert L. Cole, w/h Dorothy A. Greenwood and Malcolm Greenwood, w/h	Clarence W. Mutschelknaus Clarence W. Mutschelknaus	Not less than 1/8	141/37
	 				Not less than 1/8	140/370
	l		Margaret R. Mead and Richard F. Mead, w/h Mary J. Borer and Donald E. Borer, w/h	Clarence W. Mutschelknaus Clarence W. Mutschelknaus	Not less than 1/8	140/364
			Kenneth M. Wagner and Mary A. Wagner, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/190
			John Peladino	Clarence W. Mutschelknaus	Not less than 1/8	141/9
	 		Patty Lou Fox and Harry R. Fox, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/362
			Robert D. L. Doek	Clarence W. Mutschelknaus	Not less than 1/8	141/25
	1		Ida Bower	Clarence W. Mutschelknaus	Not less than 1/8	141/17
			Jack Coffindatier and Janice Lee Coffindatier, h/w	Clarence W. Mutschelknaus	Not less than 1/8	141/13
			Esther Doak	Clarence W. Mutschelknaus	Not less than 1/8	141/7
	I		Virginia McBee and Robert McBee, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/19
			Karen Y. Meiter and Robert Lynn Meiter, w/h	Clarence W. Mutschelknaus	Not less than 1/8	143/301
			Paul Wagner and Joan Wagner, h/w	Clarence W. Mutschelknaus	Not less than 1/8	140/766
			Leona Smith and John Smith, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/768
			Sylvia Knowleton and Clee Knowleton, w/h	Clarence W. Mutschelknaus	Not less than 1/8	140/490
			Ruth M. Hubbard	Clarence W. Mutschelknaus	Not less than 1/8	141/29
			Ina M. Wagner	Clarence W. Mutschelknaus	Not less than 1/8	140/770
	<u></u>	<u> </u>	Juliana M. Moore	Clarence W. Mutschelknaus	Not less than 1/8	140/366
			Gussie Devoil	Clarence W. Mutschelknaus	Not less than 1/8	140/760
	<u> </u>	<u> </u>	Martha Moore Hanson and Peter 5. Hanson, w/h	Clarence W. Mutschelknaus	Not less than 1/8	141/186
			Vonda Wagner	Clarence W. Mutschelknaus	Not less than 1/8	140/764
			Wayne Kellar and Peggy Kellar, h/w, a/k/a Wayne Kellar and Margaret I	1. Clarence W. Mutschelknaus	Not less than 1/8	141/33
			Kellar, h/w			
	<u> </u>		Catherine Moore	Clarence W. Mutschelknaus	Not less than 1/8	140/494
	 		C. H. Wagner and Olive trene Wagner, h/w	Clarence W. Mutschelknaus Clarence W. Mutschelknaus	Not less than 1/8 Not less than 1/8	141/21 140/356
	·		Darryl Prett Mary D. Southern	Clarence W. Mutschelknaus	Not less than 1/8	
	 -			Clarence W. Mutschelknaus		
	<u> </u>					140/762
	1	 	Wilds Dock Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and James		Not less than 1/8 Not less than 1/8	141/15
_			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h	es Clarence W. Mutschelknaus	Not less than 1/8	
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lella Washburn, Charlene Smith and George	es Clarence W. Mutschelknaus	Not less than 1/8 Not less than 1/8	141/15 140/757 140/368
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay	as Clarence W. Mutschelknaus	Not less than 1/8 Not less than 1/8 Not less than 1/8	141/15 140/757 140/368 149/667
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus	clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	141/15 140/757 140/368 149/667 322/275
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay	cs Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus	Not less than 1/8 Not less than 1/8 Not less than 1/8	141/15 140/757 140/368 149/667
			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation	clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	141/15 140/757 140/368 149/667 322/275
Tract ID	Tax Map &	Title Opinion	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation	clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	141/15 140/757 140/368 149/667 322/275
Tract ID	Parcel	QLS#	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty	141/15 140/757 140/757 140/368 149/667 322/275 629/658 Book/Page
Tract (D			Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CNX Ges Company, LLC Grantee, Lessee, etc Petroleum Services, Inc.	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royalty Not less than 1/8	141/15 140/757 140/757 140/368 149/667 322/275 629/658 Book/Page
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	Parcel	QLS#	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. J & 1 Enterprises, Inc. J & 1 Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of Energy Corporation Antero Resources Corporation Antero Resources Appalachian Corporation Antero Resources Corporation Energy Corporation of Energy Corporation Energy Corporation of Ener	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Detroleum Services, Inc. J & J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Name Change Assignment Not less than 1/8	141/15 140/757 140/757 140/757 140/757 140/757 140/368 149/667 322/275 629/658 Book/Page 111/497 111/443 111/445 111/445 108/672 117/226 159/139 240/498 272/307 328/648 424/486 WV505 481/395
	Parcel	QLS#	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Kelth Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Kelth Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. J. B. J. Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of America Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Corporation Antero Resources Corporation Ardenna Kay Rienstra EliG Land Limited Robert Swearingen	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CNX Ges Company, LLC Grantee, Lesses, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. J & J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	141/15 140/368 149/667 322/275 629/658 Book/Pere 111/497 111/443 111/445 108/672 117/226 159/139 240/498 272/107 328/648 424/486 WVSOS 481/395 417/6 423/255
	Parcel	QLS#	Bewerly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. 18.1 Enterprises, Inc. 28.1 Enterprises, Inc. 28.2 Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of America Energy Corporation of America Energy Corporation of America Antero Resources Corporation Antero Resources Appalachian Corporation Antero Resources Corporation Charles W. Hendrickson and Elizabeth Hendrickson	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CMX Gas Company, LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. J. B. J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	141/15 140/368 149/667 322/275 629/658 Book/Page 111/497 111/443 111/445 108/672 117/226 159/139 240/498 272/107 328/648 424/486 WVSOS 481/395 417/6 423/255 420/516 420/521
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	Parcel	QLS#	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. J. B. I Enterprises, Inc. J. B. I Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of America Energy Corporation of America Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources May Plance America Robert Swearingen Sandra Swearingen Sandra Swearingen Charles W. Hendrickson and Elizabeth Hendrickson Terry L. Snider Martha Ann Hanes	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Charence W. Mutschelknaus Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. J & J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	141/15 140/757 140/757 140/757 140/757 140/757 149/667 322/275 629/658 Book/Page 111/497 111/443 111/445 108/672 117/226 159/139 240/498 272/307 328/648 424/486 WYSOS 481/395 417/6 423/255 420/516 420/521 417/624 417/622 427/281
	Parcel	QLS#	Bewerly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. 18.1 Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of Elizabeth Hendrickson Energy Corporation of Elizabeth Hendrickson Martin Ann Hanes Mary Garland Hanes	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Antero Resources Corporation CMX Gas Company, LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. J. B. J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation CMX Gas Company LLC Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8 Not less than 1/8	141/15 140/368 149/667 322/275 629/658 Book/Page 111/497 111/443 111/445 108/672 117/226 159/139 240/498 272/107 328/648 424/486 WVSOS 481/395 417/6 423/255 420/516 420/521 417/624 417/624 417/622 427/281
	Parcel	QLS#	Beverly Delancey and Eleanor Knight and Stanford Knight, w/h and Jame W. Ash and Hazel Ash, h/w, Lelia Washburn, Charlene Smith and George Smith, w/h, and Barbara Thairose and Harold Thairose, w/h Theresa Pratt Sherry Lynn Quay Clarence W. Mutschelknaus Antero Resources Corporation Grantor, Lessor, etc Mrs. Sylvia Wulfert, Ruby Hunt, Mr. Lynn Wulfert U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers U. G. Summers Estate: William G. Summers and Kathryn Summers, h/w, Hector Keith Summers, Pauline Summers, Kathleen Clara Summers Lorena G. Hammer Petroleum Services, Inc. J. B. I Enterprises, Inc. J. B. I Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Energy Corporation of America Energy Corporation of America Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources May Plance America Robert Swearingen Sandra Swearingen Sandra Swearingen Charles W. Hendrickson and Elizabeth Hendrickson Terry L. Snider Martha Ann Hanes	Clarence W. Mutschelknaus Clarence W. Mutschelknaus Clarence W. Mutschelknaus Charence W. Mutschelknaus Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. Petroleum Services, Inc. J & J Enterprises, Inc. Eastern American Energy Corporation Energy Corporation of America Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Royelty Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	141/15 140/757 140/757 140/757 140/757 140/757 149/667 322/275 629/658 Book/Page 111/497 111/443 111/445 108/672 117/226 159/139 240/498 272/307 328/648 424/486 WYSOS 481/395 417/6 423/255 420/516 420/521 417/624 417/622 427/281

			Antero Resources Corporation	CNX Gas Company LLC	Assignment	481/395
		·- · 	Actiero resources corporation			
			Donald Reynolds, a/k/a Donald R. Reynolds	CNX Gas Company LLC	Not less than 1/8	76/213
			Ronald Glenn Hurst	CNX Gas Company LLC	Not less than 1/8	496/575
			James Lee Hurst, Sr.	CNX Ges Company LLC	Not less than 1/8	496/568
			Pamela Sue Summers	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	497/197 497/186
			Kathy Mae Fenstermaker	CNX Gas Company LLC	Not less than 1/8	497/203
			David Leroy Gray	CNX Gas Company LLC	Not less than 1/8	497/58
			David Charles Hurst	CNX Gas Company LLC CNX Gas Company LLC	Not less than 1/8	495/505
			Westlake Energy Partners, LLC	CNX Gas Company LLC	Not less than 1/8	497/52
			Cynthia Gray Linda Sue Oxendine	CNX Gas Company LLC	Not less than 1/8	497/64
			Tina Hurst	CNX Gas Company LLC	Not less than 1/8	497/422
			Kitty Ann Sems	CNX Gas Company LLC	Not less than 1/8	497/557
			Catherine L Snider	CNX Ges Company LLC	Not less than 1/8	497/634
			Barbara L. Wilson	CNX Gas Company LLC	Not less than 1/8	498/72
			Aunix Acquisition Fund, LLC	CNX Gas Company LLC	Not less than 1/8	497/309
			Harold Wayne Hurst, a/k/a H. Wayne Hurst	CNX Gas Company LLC	Not less than 1/8	498/11
		l	Rodney Gale Smith	CNX Gas Company LLC	Not less than 1/8 Not less than 1/8	498/95 498/257
			Sandra S. DiGiacobbe f/k/a Sandra S. Hurst and Ronald D. DiGiacobbe,	CNX Gas Company LLC	Mot tess rusu 1/9	430/237
			W/h	CNX Gas Company LLC	Not less than 1/8	498/287
			Angela Fay Miller Rebecca Ann Goff	CNX Gas Company LLC	Not less than 1/8	498/292
			Stephen Duane Jackson	CNX Gas Company LLC	Not less than 1/8	498/297
			Jeffery Allen Hurst	CNX Gas Company LLC	Not less than 1/8	498/302
-			Richard Duane Kurst	CNX Gas Company LLC	Not less than 1/8	498/347
			Ed Broome, Inc.	CNX Gas Company LLC	Not less than 1/8	497/709
			Gwendalyn Rae Swartzfager f/k/a Gwendalyn Rae Rose	CNX Gas Company LLC	Not less than 1/8	498/322
			Mark Allen Jackson and Andrea Jackson, h/w	CNX Gas Company LLC	Not less than 1/8	498/327
			Jennifer Lee Harris	CNX Gas Company LLC	Not less than 1/8	498/317
			Jack Lee Smith and Cyndi Smith, h/w	CNX Gas Company LLC	Not less than 1/8	498/247
		ļ	Norman L Jackson	CNX Gas Company LLC	Not less than 1/8	498/332
			Annette N. Davis and David A. Davis	CNX Gas Company LLC	Not less than 1/8	487/389
			Ruth Ann Nicholson	CNX Gas Company LLC	Not less than 1/8	488/505
		1	Maria Alexandrovna Stihary a/k/a Maria Alexandrovna Standafer Warren Scott Standafer Testamentary Trust	CNX Gas Company LLC CNX Gas Company LLC	Affidavit - Cotenancy Affidavit - Cotenancy	62/142 62/142
		·	Michael Keith Gearhart	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Brian Philip Gearhart	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Joseph Edward Gearhart	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Jason Alan Gearhart	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Melanie Faith Gearhart	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Donald Wayne Hurst, Jr.	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Vicki Dean a/k/a Vicki Darlene Kriner	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Glenn Richard Gray	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Bruce Patrick Smith	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Jamie Lynn Munn	CNX Gas Company LLC	Affidavit - Cotenancy	62/142
			Larry Arden Hurst	CNX Ges Company LLC	Affidavit - Cotenancy	62/142
			Donald Allen Hurst		Affidavit - Cotenancy	
			- Constitution	CNX Gas Company LLC	Allica Vic - Colonia II.	62/142
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ract ID	Tex Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royelty	Book/Page
	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
118			Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and islah S. Dotson	Grantee, Lessee, etc	Royalty Not less than 1/8	Book/Page 46/4
	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining	Royalty	Book/Page
	Parcel	QLS#	Grantor, Lessor, etc Claco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson James D. Foley	Grantee, Lessee, etc	Royalty Not less than 1/8 Assignment	Book/Page 46/4 59/267
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and islah S. Dotson	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners	Royalty Not less than 1/8	Book/Page 46/4
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham	Royalty Not less than 1/8 Assignment Last Will and Testament	Book/Page 46/4 59/267 W8 6/466
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman	Granteo, Lossee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment	Book/Page 46/4 59/267 WB 6/456 81/538
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament	Book/Page 45/4 59/267 W8 6/466 81/538 W8 51/696
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Ella Graham Ella Graham Charles D. Hickman, deceased	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Charlis M. Hickman Charlis M. Mickman Charlis M. Hickman	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Last Will and Testament	Book/Page 45/4 59/267 W8 5/466 81/538 W8 51/696 81/542 W8 51/699
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Elia Graham Elia Graham Charles D. Hickman, deceased Carl D. Perkins	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins Charlise M. Hickman Perkins Oil and Gas, Inc.	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Last Will and Testament Assignment	Book/Page 46/4 59/267 W8 6/466 81/538 W8 51/696 81/546 81/542 WB 51/699 176/607
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Elia Graham Elia Graham Elia Graham Charles D. Hickman, deceased Carl D. Perkins Charlise M. Hickman, widow, and Perkins Oil and Gas, Inc.	Granteo, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins Cheffise M. Hickman Perkins Oil and Gas, Inc. Shackleford Energy, Inc.	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment	Book/Pare 46/4 59/267 W8 6/466 81/538 W8 51/696 81/546 81/542 W8 51/690 176/607
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Ella Graham Ella Graham Charles D. Hickman, deceased Carl D. Perkins Charles M. Hickman, deceased Carl D. Perkins Charles M. Hickman, widow, and Perkins Oil and Gas, Inc. Shackleford Energy, Inc.	Granteo, Lossee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins Charlis M. Hickman Charles M. Charles M. Charles Charles M. Charles Charles M. Charles Char	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment Assignment Assignment	Book/Page 46/4 59/267 WB 6/466 81/538 WB 51/696 81/546 81/542 WB 51/699 176/607 163/524 171/107
	Parcel	QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Elia Graham Elia Graham Elia Graham Charles D. Hickman, deceased Carl D. Perkins Charles D. Hickman, widow, and Perkins Oil and Gas, Inc. Shackteford Energy, Inc. Key Oil Company	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins Charlise M. Hickman Perkins Oil and Gas, Inc. Shackdeford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment Assignment Assignment	Book/Page 46/4 59/267 WB 6/466 81/538 WB 51/696 81/546 81/542 WB 51/699 176/607 163/524 171/107 268/607
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118	Parcel 1-2-6 1-2-6 1-2-6 1-2-6 1-2-6	QLS# 293581000 Title Opinion QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Ella Graham Ella Graham Ella Graham Charles D. Hickman, deceased Carl D. Perkins Charles D. Hickman, widow, and Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation Grantor, Lessor, etc Susan Swentzel Lytle Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees Keely A. Carabin Cheryl Overmeyer Samuel Curtis Graves Guy T. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott June Pigott Hickel Antero Resources Appalachian Corporation Antero Resources Corporation K. Clark Swentzel Undy L. Frashure Walter S. Stout Ann Stoux Newman William P. Stouxt, Jr. Tony V. James	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Charles D. Hickman Charles D. Hickman Charles O. Hickman Charles O. Hickman Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Antero Resources Appalachian Corporation	Royelty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	Book/Page 46/4 59/267 W8 6/466 81/538 W8 51/596 81/546 81/545 81/546 81/547 81/546 171/107 268/607 163/524 171/107 268/607 WNSOS 481/395 Book/Page 268/58 293/613 268/33 267/63 285/612 294/549 267/63 294/549 267/63 294/549 267/63 294/549 267/63 294/549 267/63 294/549 267/63 294/549 267/63 294/549 267/63
118	Parcel 1-2-6 1-2-6 1-2-6 1-2-6 1-2-6	QLS# 293581000 Title Opinion QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L Hickman, deceased Elia Graham Elia Graham Elia Graham Charles D. Hickman, deceased Carl D. Perkins Charles D. Hickman, widow, and Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation Grantor, Lessor, etc Susan Swentzel Lytle Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner, Trustees Keely A. Carabin Cheryl Overmeyer Samuel Curtis Graves Guy T. Pigott, Jr. Marcia L. Todd Barbars Shipley Dorothy A. Pigott, al/a Dorothy A. Beck, a/k/a Dorothy P. Hilleman Norma J. Simon and George P. Simon, by his Alf, Norma J. Simon Dorothy A. Pigott, Alf for Lucia C. Anderson nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot, Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman nee Pigot Carohyn D. Erambert nee Pigot, Lanet W. Coffman ne	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins Charlise M. Hickman Perkins Oil and Gas, Inc. Shackfeford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation CNX Gas Company, LLC Grantee, Lessee, etc Antero Resources Appalachian Corporation	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	Book/Pare 46/4 59/267 WB 6/466 81/538 WB 51/546 81/546 81/546 81/546 81/546 175/107 268/607 WS05 481/395 Book/Pare 268/58 293/613 268/38 277/540 280/333 267/63 285/614 293/136 294/549 267/57 265/672 267/58 294/554 WSOS 481/395
118	Parcel 1-2-6 1-2-6 1-2-6 1-2-6 1-2-6	QLS# 293581000 Title Opinion QLS#	Grantor, Lessor, etc Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hickman, deceased Ella Graham Ella Graham Ella Graham Charles D. Hickman, deceased Carl D. Perkins Charles D. Hickman, widow, and Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation Grantor, Lessor, etc Susan Swentzel Lytle Sandra Jo Evenson The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees Keely A. Carabin Cheryl Overmeyer Samuel Curtis Graves Guy T. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia L. Todd Barbara Shipley Dorothy A. Pigott, Jr. Marcia C. Anderson nee Pigot, Carolyn D. Erambert nee Pigot, Janet W. Coffman nee Pigott June Pigott Hickel Antero Resources Appalachian Corporation Antero Resources Corporation K. Clark Swentzel Undy L. Frashure Walter S. Stout Ann Stoux Newman William P. Stouxt, Jr. Tony V. James	Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Charles D. Hickman Charles D. Hickman Charles O. Hickman Charles O. Hickman Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Antero Resources Appalachian Corporation	Royelty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Last Will and Testament Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Name Change Assignment Not less than 1/8	Book/Page 46/4 59/267 W8 6/466 81/538 W8 51/596 81/546 81/546 81/546 81/547 81/546 81/546 171/107 268/607 163/524 171/107 268/607 WYSOS 481/395 Book/Page 268/58 293/613 268/33 268/33 267/63 285/614 293/364 267/63 285/614 294/549 267/63 265/672 267/58

	-		Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	CNX Gas Company, LLC	Not less than 1/8	498/109
			Eugene Vance Chipps, ii	CNX Gas Company, LLC	Not less than 1/8	498/432
ect ID	Tax Map & Parcel	Title Opinion QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
28	1-4-11-1	293591000	Susen Swentzel Lytle	Antero Resources Appalachian Corporation	Not less than 1/8	268/58
			Sendra Jo Evenson	Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8	293/613 268/38
			The Max G. Karshner and Lois D. Karshner Revocable Living Trust dated 5/29/2009, by Max G. Karshner and Lois D. Karshner, Trustees	Antero Resources Appaiachian Corporation	Not less than 170	200,50
			Keely A. Carabin	Antero Resources Appalachian Corporation	Not less than 1/8	277/540
			Cheryl Overmeyer	Antero Resources Appalachian Corporation	Not less than 1/8	280/333
			Samuel Curtis Graves	Antero Resources Appalachian Corporation	Not less than 1/8	267/63
			Guy T. Pigott, Jr.	Antero Resources Appalachian Corporation	Not less than 1/8 Not less than 1/8	285/614 293/136
			Marcia L. Todd Barbara Shipley	Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/8	294/549
			Dorothy A. Pigott, a/k/a Dorothy A. Beck, a/k/a Dorothy P. Hileman	Antero Resources Appalachian Corporation	Not less than 1/8	267/67
	-		Norma J. Simon and George P. Simon, by his AIF, Norma J. Simon	Antero Resources Appalachian Corporation	Not less than 1/8	265/672
			Dorothy A. Pigott, AiF for Lucia C. Anderson nee Pigot, Carolyn D.	Antero Resources Appalachian Corporation	Not less than 1/8	267/58
			Erambert nee Pigot, Janet W. Coffman nee Pigott		Not less than 1/8	294/554
			June Pigott Hickel Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Apparaction	CNX Gas Company, LLC	Assignment	481/395
	-			i "		
			K. Clark Swentzel	Antero Resources Appalachian Corporation	Not less than 1/8	267/228
			Judy L. Frashure	Antero Resources Appalachian Corporation	Not less than 1/8	267/232
			Walter S. Stout	Antero Resources Appalachian Corporation	Not less than 1/8 Not less than 1/8	267/511 268/48
			Ann Stout Newman William P. Stout, Jr.	Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation	Not less than 1/8	269/270
			Tony V. James	Antero Resources Appalachian Corporation	Not less than 1/8	271/169
	<u> </u>		Melissa S. Cutter	Antero Resources Appalachian Corporation	Not less than 1/8	271/179
			Robert B. James	Antero Resources Appalachian Corporation	Not less than 1/8	271/189
	ļ. <u></u>		Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	490/679
	 		Tamera C. Marquardt	Antero Resources Corporation	Not less than 1/8	475/16
	-		Timothy Russell Beckwith, 1/k/a James Russell Wamsley, Jr., a/k/a Tim "Butch" Beckwith	Antero Resources Corporation	Not less than 1/8	473/192
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
			Black Gold Group, Ltd.	Antero Resources Corporation	Not less than 1/8	486/309
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	490/679
_			Frances Lorena Swentzel, by her attorney-in-fact, Cheryl Lynn Meredith	CNX Gas Company, LLC	Not less than 1/8	498/109
			Eugene Vance Chipps, ii	CNX Gas Company, LLC	Not less than 1/8	498/432
			Nicholas R. Warnsley	CNX Gas Company, LLC	Not less than 1/8	495/520
			Glen W. Hawk, f/k/s Glen W. Wamsley and Heather J. Hawk, h/w Edwin L. Winemiller s/k/s Edwin L. Winemiller, Jr. and Angelins C.	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	495/525 497/42
	<u> </u>		Winemiller, h/w	CNV C- C	Not less than 1 10	407/630
		l	Carolyn Sue Wilkes Judy P. Cole	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	497/629 498/277
			Chelsea Rose Seiller	CNX Gas Company, LLC	Not less than 1/8	498/272
			Nancy Sue Clark and Grady O. Clark, w/h	CNX Gas Company, LLC	Not less than 1/8	498/282
			Charles R. LeMasters, Jr.	CNX Gas Company, LLC	Cotenancy	62/133
			James E. Lemasters Jason Seiller	CNX Gas Company, LLC	Cotenancy	62/133
	 		Jaski Jeller	CNX Gas Company, LLC	Cotenancy	62/133
	Tax Map &	Title Opinion				
rt ID	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
OA.	1-4-5	293606000	Cerile James	Antero Resources Corporation	Not less than 1/8	434/158
	<u> </u>		Susan Dankel	Antero Resources Corporation	Not less than 1/8	468/143
		<u> </u>	Wanda Zeitler Steams Beverly Lorraine Kvochick, f/k/a Beverly Lorraine Blake, Beverly Lorraine	Antero Resources Corporation	Not less than 1/8	433/569
			Dillon and Beverly Lorraine Bryan	Antero Resources Corporation	Not less than 1/8	433/445
			Charles Alvin Blake	Antero Resources Corporation	Not less than 1/8	433/441
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
			Trustees of the First United Methodist Church, Williamstown, West	CNX Gas Company, LLC	Not less than 1/8	498/397
			Virginia, a/k/a First Williamstown United Methodist Church			ļ
ct ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#	Carlle James			
BOE	1-4-5	293584000 293605000	Carie James	Antero Resources Corporation	Not less than 1/8	434/158
			Susan Dankel	Antero Resources Corporation	Not less than 1/8	468/143
			Wanda Zeitler Stearns	Antero Resources Corporation	Not less than 1/8	433/569
			Beverly Lorraine Kvochick, f/k/a Beverly Lorraine Blake, Beverly Lorraine	Antero Resources Corporation	Not less than 1/8	433/445
	<u> </u>		Dillon and Beverly Lorraine Bryan		Alex A . A . T	
			Charles Alvin Blake Antero Resources Corporation	Antero Resources Corporation CNX Gas Company, LLC	Not less than 1/8 Assignment	433/441 481/395
				our company, the	Мания	401/333
	<u> </u>		Trustees of the First United Methodist Church, Williamstown, West Virginia, e/k/a First Williamstown United Methodist Church	CNX Gas Company, LLC	Not less than 1/8	498/397
				 		
	Tax Map &	Title Opinion				
ed ID	Tax Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
et ID		QL\$ # 293584000		Grantee, Lessee, etc Antero Resources Corporation	Royalty Not less than 1/8	Book/Page 434/158
	Parcel	QLS#	Grantor, Lessor, etc Carlie James	Antero Resources Corporation	Not less than 1/8	434/158
	Parcel	QL\$ # 293584000	Grentor, Lessor, etc Carlle James Susan Dankel	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	434/158 468/143
	Parcel	QL\$ # 293584000	Grantor, Lessor, etc Carile James Susan Dankel Wanda Zeitler Steams	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8	434/158 468/143 433/569
	Parcel	QL\$ # 293584000	Grentor, Lessor, etc Carlle James Susan Dankel	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	434/158 468/143
	Parcel	QL\$ # 293584000	Grantor, Lessor, etc Carlie James Susan Dankel Wanda Zeitler Stearns Beverly Lorraine Blake, Beverly Lorraine	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8	434/158 468/143 433/569

			Trustees of the First United Methodist Church, Williamstown, West Virginia, a/k/a First Williamstown United Methodist Church	CNX Ges Company, LLC	Not less than 1/8	498/397
Tract ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
135A	<u>Parcel</u> 1-17-31	QLS# 297069000	Mary Claire Bohrer	Antero Resources Corporation	Not less than 1/8	555/690
	1-17-31.1		<u> </u>		Net less than 1/9	555/700
	<u> </u>		Stephen Howard	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	555/705
			Clarence N. Leggett Wilma Beile Duty	Antero Resources Corporation	Not less than 1/8	555/710
			Martha Lou Burley	Antero Resources Corporation	Not less than 1/8	556/641
	 		Barbara Davila Donna Wright	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	557/571 558/453
			Paul Thomas Gregg	Antero Resources Corporation	Not less than 1/8	559/834
			Donna Sue Luh	Antero Resources Corporation	Not less than 1/8	568/65
	ļ		Roberta Sue Boone Edward Ray Edgell	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	569/546 569/551
			Teresa Kay LaBarbera	Antero Resources Corporation	Not less than 1/8	569/556
			Davetta Rae Pineda	Antero Resources Corporation	Not less than 1/8	569/561
			Alice Hazel Ward	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	569/566 569/571
	-	 	Wilma S. Ward Brenda Deese Edgell	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	570/302
	†		Jean Pearl Bearss	Antero Resources Corporation	Not less than 1/8	571/524
			Maria Cecilia Muller	Antero Resources Corporation	Not less than 1/8	579/351
		!	Norma B. Campbell Thomas Wade Bush	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	579/356 579/362
		i	Ronald G. Bush	Antero Resources Corporation	Not less than 1/8	579/368
			Richard J. Bush	Antero Resources Corporation	Not less than 1/8	579/374
	 		Daniel John Bush	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	579/379 579/385
	 		Constance Bowles Hermenegilda T. Bautista	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	579/390
			Corazon J. Bautista	Antero Resources Corporation	Not less than 1/8	581/350
	ļ		Francis D. Bautista	Antero Resources Corporation	Not less than 1/8	581/364
			Albert E. Duty Robert R. Washburn	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	585/159 120/221
		<u> </u>	Dane W. Zinn	Antero Resources Corporation	Not less than 1/8	558/448
			Deloris Hughes	Antero Resources Corporation	Not less than 1/8	555/695
	 		Teresa Rush and Ronal W. Rush, w/h Antero Resources Corporation	Antero Resources Corporation	Not less than 1/8 Assignment	562/103 629/658
			William Nicholson, a/k/a William W. Nicholson and Judith B. Nicholson,	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	43/198
			ty/w Ruth G. Halverson a/k/a Naoma R Halverson	CNX Gas Company, LLC	Not less than 1/8	43/193
			Catherine Ann Duginski	CNX Gas Company, LLC	Not less than 1/8	31/265
		 	Sandy Swearingen Kevin Leisy and Marion Leisy, h/w	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	50/644 50/654
	 		Keren J. Catzada and Candelario A. Catzada, w/h	CNX Gas Company, LLC	Not less than 1/8	48/444
			Kimberley Ann Garrison	CNX Gas Company, LLC	Not less than 1/8	48/434
	ļ		Kenlyn West	CNX Gas Company, LLC	Not less than 1/8	48/429
			David A. Elko Ryan Michael Haliman	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	50/639 55/142
			Charles E. Garrison and Patricia A. Garrison	CNX Ges Company, LLC	Not less than 1/8	55/147
			Richard A. Elko	CNX Gas Company, LLC	Not less than 1/8	50/634
			Theresa A. Vachon and Richard R. Vachon, w/h Marjorle L. Miller	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	50/649
	 		Kristina Marie Hallman	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	55/137 46/57
			Matthew Leisy	CNX Gas Company, LLC	Not less than 1/8	76/197
			Albert E. Garrison, Jr.	CNX Ges Company, LLC	Not less than 1/8	82/44
			Nicholas Jeremy Haliman William Royce Nickey	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	73/169 85/569
	i		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the	CNX Ges Company, LLC	Not less than 1/8	98/580
	<u> </u>		Stephen Bradley Family Trust			
			Kevin William Nickey Christine Washhum Alf for Helen Washhum	CNX Gas Company, LLC	Not less than 1/8	92/575
			Christine Washburn, AlF for Helen Washburn Linda L. Crystal	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	99/400
			Sandra Strissel, as Guardian of the Property for David Garrison, a/k/a David Lee Garrison	CNX Gas Company, LLC	Not less than 1/8	73/184
	·		Shella K. Tatlon a/k/a Sheila K. Tatlon	CNX Gas Company, LLC	Not less than 1/8	68/276
		 	Ardenna Kay Rienstra Paul Xavier Sanchez, a/k/a Paul Haliman	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	68/294 55/132
			David W. Wood and Jody A. Wood, h/w	CNX Gas Company, LLC	Not less than 1/8	82/29
			Rachael Escobedo William R. Dotson, Trustee of the William R. Dotson Family Irrevocable	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	131/318 131/255
	ļ. ———		Trust	Company of the compan		
			Penelope Margaret Bowers John Stephen Swiger	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	131/314
			Robert Swearingen and Anne Swearingen, h/w	CNX Gas Company, LLC	Not less than 1/8	131/222 48/439
			Martha Joan McCulloch	CNX Gas Company, LLC	Not less than 1/8	68/281
			Julia Ann Owens	CNV Coe Common 115		
_			Thomas S. Pace, POA for Bobble Pace, a/k/a Bobby S. Pace	CNX Gas Company, LLC CNX Gas Company, LLC	Fee Fee	76/218 51/352
			Cynthia Sue Bair	CNX Gas Company, LLC	Fee	74/175
		-	Paula Kulbaga and Paul Kulbaga, w/h	CNX Gas Company, LLC	Fee	134/583
			Barbara Mickey Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Sherry Ann Nicholson	CNX Gas Company, LLC	Cotenancy	134/118
	 		Timothy J. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
	ļ 		James A. Tefs Daniel Edward Kester	CNX Ges Company, LLC CNX Ges Company, LLC	Cotenancy	134/118 134/118
			Karen Anne Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Steven Ryan Kester	CNX Gas Company, LLC	Cotenancy	134/118
		<u> </u>	Bobby Lynn Tefs Marie Christine Castro Brinks	CNX Ges Company, LLC	Cotenancy	134/118
			Helen Kathleen Scollan	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	134/118 134/118
			Pamela Carson Leggett	CNX Gas Company, LLC	Cotenancy	134/118
			Barbara Lacossee James McCulloch	CNX Ges Company, LLC	Cotenancy	134/118
			Elizabeth Duty Samson	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	134/118 134/118
			Alfredo E. Gellardo, Jr.	CNX Gas Company, LLC	Cotenancy	134/118

			Jose N. Bautista Paula N. Bautista, eka, Sister Maria Teresa Bautista	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy Cotenancy	134/118 134/118
Tract ID	Tex Map & Parcel	Title Opinion QLS #	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
1358	1-17-31.2	297069000	Mery Claire Bohrer	Antero Resources Corporation	Not less than 1/8	555/690
	1-17-31.3		Stephen Howard	Antero Resources Corporation	Not less than 1/8	555/700
			Clarence N. Leggett	Antero Resources Corporation	Not less than 1/8	555/705
			Wilma Beile Duty	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	555/710 556/641
			Martha Lou Burley Barbara Davila	Antero Resources Corporation	Not less than 1/8	557/571
			Donna Wright	Antero Resources Corporation	Not less than 1/8	558/453
			Paul Thomas Gregg	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	559/834 568/65
			Donna Sue Luh Roberta Sue Boone	Antero Resources Corporation	Not less than 1/8	569/546
			Edward Ray Edgell	Antero Resources Corporation	Not less than 1/8	569/551
			Teresa Kay LaBarbera Davetta Rae Pineda	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	569/556 569/561
			Alice Hazel Ward	Antero Resources Corporation	Not less than 1/8	569/566
			Wilma S. Ward	Antero Resources Corporation	Not less than 1/8	569/571
			Brenda Deese Edgell Jean Pearl Bearss	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	570/302 571/524
			Maria Cecilia Muller	Antero Resources Corporation	Not less than 1/8	579/351
			Norma B. Campbell	Antero Resources Corporation	Not less than 1/8	579/356
	<u> </u>		Thomas Wade Bush	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	579/362 579/368
			Ronald G. Bush Richard J. Bush	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	579/374
			Caniel John Bush	Antero Resources Corporation	Not less than 1/8	579/379
			Constance Bowles	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	579/385 579/390
		-	Hermenegilda T. Bautista Corazon J. Bautista	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	579/390 581/360
			Francis D. Bautista	Antero Resources Corporation	Not less than 1/8	581/364
			Albert E. Duty	Antero Resources Corporation	Not less than 1/8	585/159
			Robert R. Washburn Dane W. Zinn	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	120/221 558/448
	<u> </u>		Deloris Hughes	Antero Resources Corporation	Not less than 1/8	555/695
			Teresa Rush and Ronal W. Rush, w/h	Antero Resources Corporation	Not less than 1/8	562/103
	·		Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
			William Nicholson, a/k/a William W. Nicholson and Judith B. Nicholson, h/w	CNX Gas Company, LLC	Not less than 1/8	43/198
			Ruth G. Halverson a/k/a Naoma R Halverson	CNX Gas Company, LLC	Not less than 1/8	43/193
		<u> </u>	Catherine Ann Duginski Sandy Swearingen	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	31/265 50/644
			Kevin Leisy and Marion Leisy, h/w	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	50/654
			Karen J. Calzada and Candelario A. Calzada, w/h	CNX Gas Company, LLC	Not less than 1/8	48/444
	ļ		Kimberley Ann Gerrison Kenlyn West	CNX Gas Company, LLC	Not less than 1/8	48/434 48/429
			David A. Elko	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	50/639
			Ryan Michael Hallman	CNX Ges Company, LLC	Not less than 1/8	55/142
			Charles E. Garrison and Patricia A. Garrison Richard A. Elko	CNX Gas Company, LLC	Not less than 1/8	55/147
			Theresa A. Vachon and Richard R. Vachon, w/h	CNX Ges Compeny, LLC CNX Ges Compeny, LLC	Not less than 1/8 Not less than 1/8	50/634 50/649
			Marjorie L. Miller	CNX Gas Company, LLC	Not less than 1/8	55/137
			Kristina Marie Haliman Matthew Leisy	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	46/57 76/197
			Albert E. Garrison, Jr.	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	82/44
			Nicholas Jeremy Haliman	CNX Gas Company, LLC	Not less than 1/8	73/169
			William Royce Nickey	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	85/569
	ł		Barbara Anne Burgner and David Glynn Bradley, Co-Trustees of the Stephen Bradley Family Trust	CNX Gas Company, LLC	Not less than 1/8	98/580
			Kevin William Nickey	CNX Ges Company, LLC	Not less than 1/8	92/575
			Christine Washburn, AlF for Helen Washburn	CNX Gas Company, LLC	Not less than 1/8	99/400
		—— — —	Linda L. Crystal Sandra Strissel, as Guardian of the Property for David Garrison, a/k/a	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	68/271 73/184
			David Lee Garrison			
			Sheila K. Tailon a/k/a Sheila K. Tailon	CNX Gas Company, LLC	Not less than 1/8	68/276
			Ardenna Kay Rienstra Paul Xavier Sanchez, a/k/a Paul Hailman	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	68/294 55/132
			David W. Wood and Jody A. Wood, h/w	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	82/29
		···	Rachael Escobedo	CNX Ges Company, LLC	Not less than 1/8	131/318
			William R. Dotson, Trustee of the William R. Dotson Family Irrevocable Trust	CNX Gas Company, LLC	Not less than 1/8	131/255
			Penelope Margaret Bowers	CNX Gas Company, LLC	Not less than 1/8	131/314
			John Stephen Swiger	CNX Gas Company, LLC	Not less than 1/8	131/222
			Robert Swearingen and Anne Swearingen, h/w Martha Joan McCulloch	CNX Gas Company, LLC	Not less than 1/8	48/439
				CNX Gas Company, LLC	Not less than 1/8	68/281
			Julia Ann Owens	CNX Gas Company, LLC	Fee	76/218
			Thomas S. Pace, POA for Bobble Pace, a/k/a Bobby S. Pace Cynthia Sue Bair	CNX Gas Company, LLC CNX Gas Company, LLC	Fee See	51/352
			Pauls Kuibega and Paul Kuibaga, w/h	CNX Gas Company, LLC	Fee Fee	74/175 134/583
			Barbara Nickey Kester Sherry Ann Nicholson	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	134/118
			Timothy J. Tefs	CNX Gas Company, LLC	Cotenancy	134/118 134/118
			James A. Tefs	CNX Gas Company, LLC	Cotenancy	134/118
			Daniel Edward Kester Karen Anne Kester	CNX Gas Company, LLC	Cotenancy	134/118
			Steven Ryan Kester	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	134/118 134/118
			Bobby Lynn Tefs	CNX Gas Company, LLC	Cotenancy	134/118
		·	Marie Christine Castro Brinks Helen Kathleen Scollan	CNX Gas Company, LLC	Cotenancy	134/118
			Pamela Carson Leggett	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	134/118 134/118
			Berbera Lacossee	CNX Ges Company, LLC	Cotenancy	134/118
	. 1		James McCulloch	CNX Gas Company, LLC	Cotenancy	134/118
			Elizabeth Duty Samson	CNX Gas Company, LLC	Cotenancy	134/118

			Jose N. Bautista	CNX Gas Company, LLC	Cotenancy	134/118
			Paula N. Bautista, aka, Sister Maria Teresa Bautista	CNX Gas Company, LLC	Cotenancy	134/118
Tract ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
141	Parcel 1-4-2	QLS# 297279000	West Virginia Department of Transportation, Division of Highways	CNX Gas Company, LLC	Not less than 1/8	497/316
	1-4-5					



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

CNX Center 1000 CONSOL Energy Drive Work: 724-485-3244 Canonsburg, PA 15317-5506 any com

October 8, 2021

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

RE: Road Letter - SHR37 M2 Well Pad Drilling Applications

To Whom It May Concern:

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

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

Saich Weigens Sincerely,

Sarah Weigand

RECEIVED Office of Oil and Gas

NOV 1 5 2021

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

Date of Notic	ce Certification: UloU	A	PI No. 47		
	1-11-1			Well No. SHR3	7NHSM
			-	ame: SHR37	
Notice has l	been given:			-	
	ne provisions in West Virginia Code §	22-6A, the Operator has provide	led the rea	uired parties w	ith the Notice Forms listed
	tract of land as follows:	, , , ,			
State:	West Virginia	LUTTA ANA DOS. E	asting:	513280.399	
County:	Tyler		lorthing:	4356024.318	
District:	Centerville	Public Road Access	s:	Duckworth Ridge	Road (CR 58/2)
Quadrangle:	West Union	Generally used farm	n name:	CNX	
Watershed:	Headwaters Middle Island Creek				
it has providinformation rof giving the requirements Virginia Cod	the secretary, shall be verified and sled the owners of the surface described equired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen of e § 22-6A-11(b), the applicant shall the have been completed by the applicant	need in subdivisions (1), (2) and ction sixteen of this article; (ii) revey pursuant to subsection (a) of this article were waived in wender proof of and certify to the	l (4), substhat the reconstruction to the rection t	ection (b), sec quirement was en of this artic the surface ow	tion ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice ener; and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the Operator has properly served the required		s Notice Co	ertification	OOG OFFICE USE ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRE SEISMIC ACTIVITY WAS O		i i	RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SURV	'EY or 🔳 NO PLAT SURVEY	Y WAS CO	NDUCTED	☐ RECEIVED
☐ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRE NOTICE OF ENTRY FOR PL WAS CONDUCTED or			☐ RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY (PLEASE ATTACH)	RECE	CE OWNER EIVED iii and Gas	
	TICE OF PLANNED OPERATION			5 2021	□ RECEIVED
_	BLIC NOTICE	_	WV Dep	artment of	RECEIVED
■ 6. NO	TICE OF APPLICATION	Ŀ	nvironmen	tal Protection	☐ RECEIVED

Required Attachments:

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

WW-6AC (1/12)

Certification of Notice is hereby given:

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

Well Operator:	CNX GAS COMPANY LLC	Address	: 1000 CONSOL Energy Drive
By:	Sarah Weigand / Qual Wei	con	Canonsburg, PA 15317
Its:	Manager Upstream Permitting	Facsimi	e: 1
Telephone:	724-485-3244	Email:	sarahweigand@cnx.com
Rebe My comm Co	vealth of Pennisylvaint - Notary Seal cca Zachwieja, Notary Public Washington County hission expires November 7, 2023 mmission number 1269683 Pennsylvania Association of Notaries	Subscribed and s Publece My Commission	sworn before me this 30 day of VIKMba 2021 Sachueja. Notary Public

Oil and Gas Privacy Notice:

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

RECEIVED
Office of Oil and Gas

NOV 1 5 2021

WW-6A (9-13) 4709502771
API NO. 47OPERATOR WELL NO. SHR37NHSM
Well Pad Name: SHR37

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

Notice Time Requirement: notice shall be provided no later	than the filing date of permit application.	
Date of Notice: AltUlia Date Permit Application Filed: Notice of:	Missi	
PERMIT FOR ANY WELL WORK CONSTRUCTION O	PPROVAL FOR THE F AN IMPOUNDMENT OR PIT	
Delivery method pursuant to West Virginia Code § 22-6A-	-10(b)	
	THOD OF DELIVERY THAT REQUIRES A	
SERVICE MAIL REC	CEIPT OR SIGNATURE CONFIRMATION	
the surface of the tract on which the well is or is proposed to be leaved and gas leasehold being developed by the proposed well work described in the erosion and sediment control plan submitted pursoperator or lessee, in the event the tract of land on which the well more coal seams; (4) The owners of record of the surface tract or well work, if the surface tract is to be used for the placement, con impoundment or pit as described in section nine of this article; (5 have a water well, spring or water supply source located within or provide water for consumption by humans or domestic animals; a proposed well work activity is to take place. (c)(1) If more than the subsection (b) of this section hold interests in the lands, the appliance of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is a Code R. § 35-8-5.7.a requires, in part, that the operator shall also water purveyor or surface owner subject to notice and water testing	if the surface tract is to be used for roads or other land display to subsection (c), section seven of this article; (3) The proposed to be drilled is located [sic] is known to be und tracts overlying the oil and gas leasehold being developed instruction, enlargement, alteration, repair, removal or abard) Any surface owner or water purveyor who is known to the thousand five hundred feet of the center of the well part and (6) The operator of any natural gas storage field within the tenants in common or other co-owners of interests decant may serve the documents required upon the person do not eight, article one, chapter eleven-a of this code. (2) Not notice to a landowner, unless the lien holder is the land provide the Well Site Safety Plan ("WSSP") to the surface gas provided in section 15 of this rule.	disturbance as the coal owner, derlain by one or d by the proposed adonment of any the applicant to d which is used to n which the escribed in escribed in the twithstanding any downer. W. Va.
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice ☐ SURFACE OWNER(s)		
Name: CNX Gas Company LLC	COAL OWNER OR LESSEE Name: CNX Gas Company LLC	
Address: 1000 CONSOL Energy Drive	Address: 1000 CONSOL Energy Drive	
Canonsburg, PA 15317	Canonsburg, PA 15317	
Name:	COAL OPERATOR	
Address:		-
114414031	Name:	Office of Oil and Gas
SURFACE OWNER(s) (Road and/or Other Disturbance)	Address:	
	E CLIDE LOE ONAIGH OF WATER WELL	NOV 1 5 2021
Name:Address:	SURFACE OWNER OF WATER WELL	19 2021
Address:	AND/OR WATER PURVEYOR(s)	W/ Done
XXXX (1)	Name: See attached.	WV Department of Environmental Protection
Name:	Address:	- Totectio
Address:		
	☐ OPERATOR OF ANY NATURAL GAS STORA	AGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name:	
Name:	4.44	
At all distances	Address:	
Address:	*Please attach additional forms if necessary	

API NO. 47-095 - 0277 OPERATOR WELL NO. SHR37NHSM Well Pad Name: SHR37

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial take, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir, (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section, (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items WW-6A (8-13) API NO. 47- 095 - 02771

OPERATOR WELL NO. SHR37NHSM

Well Pad Name: SHR37

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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

API NO. 47- 095 - 0277 \
OPERATOR WELL NO. SHR37NHSM
Well Pad Name: SHR37

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

WW-6A (8-13) API NO. 47- 095 - 0277)
OPERATOR WELL NO. SHR37NHSM
Well Pad Name: SHR37

Notice is hereby given by:

Well Operator: CNX Gas Company LLC

Telephone: 724-485-3244

Email: SarahWeigand@cnx.com

Address: 1000 CONSOL Energy Drive, Canonsburg, PA 15317

Oil and Gas Privacy Notice:

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

Commonwealth of Pennsylvania - Notary Seal Rebecca Zachwieja, Notary Public Washington County My commission expires November 7, 2023

Commission number 1269683

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this

Facsimile:

day of UC

Notary Public

My Commission Expire

Office of Oil and Gas

NOV 1 5 2021

Surface Owner of Water Well and/or Water Purveyor(s):

CNX RESOURCES CORPORATION 1000 CONSOL ENERGY DRIVE CANONSBURG, PA 15317

RYAN & CARRIE L DAVIS/ 730 THRUST DRIVE VASS, NC 28394

RIKI NICOLE DUNCAN (RILÉY) 8100 SHAW AVENUE HAMLIN, WV 25523

DANNY CARL & PATRICIA J MARRIS 16269 MIDDLE ISLAND ROAD WEST UNION, WV 26456

EDWIN D & PATRICIA L MULVAY 3665 SHORT RUN ROAD PENNSBORO, WV 26415

FORREST G. POWELL PO BOX 91 ALMA, WV 26320

ELDEN L, RODNEY DEAN, & TIMOTHY RAY PRATT 873 DUCKWORTH RIDGE ROAD ALMA, WV 26320

RODNEY D. PRATT 365 DUCKWORTH RIDGE ROAD ALMA, WV 26320

RONALD ROYCE & REVA D. ROWLAND 358 DUCKWORTH RIDGE ROAD ALMA, WV 26320

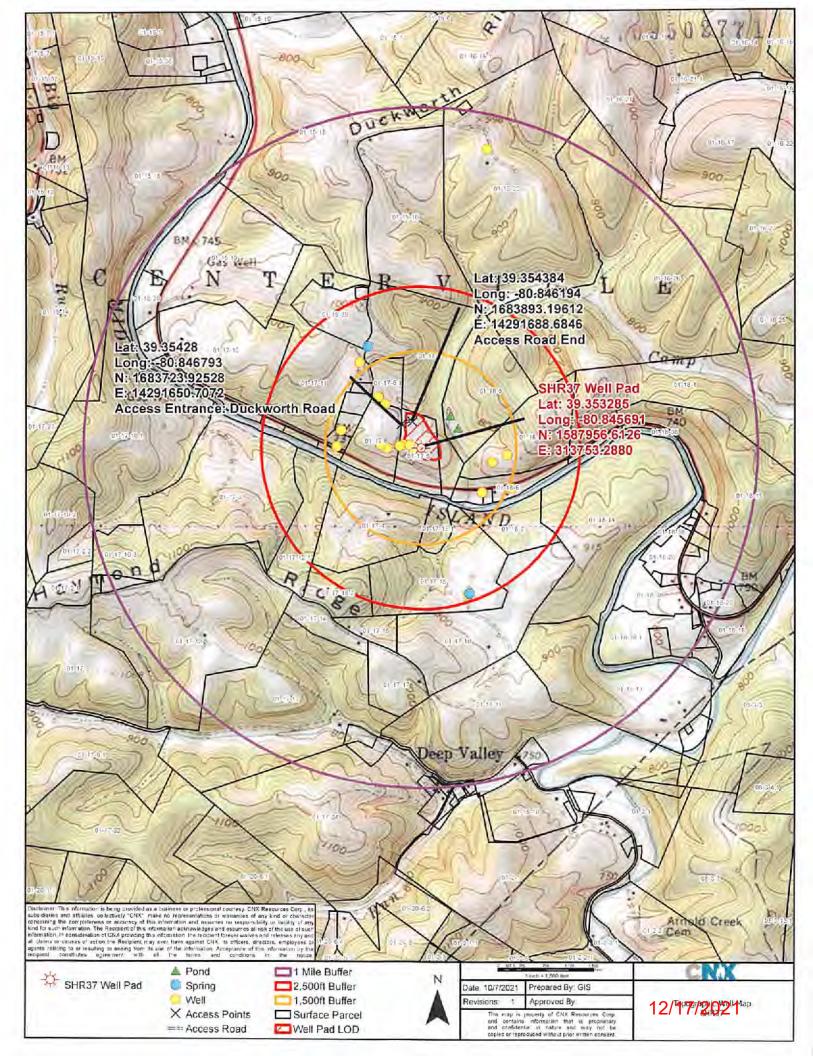
GAIL WILLIAMSON

195 DUCKWORTH RIDGE ROAD

ALMA, WV 26320

DOUG LANTZ 1376 MIDWAY ROAD BELINGTON, WV 26250 RECEIVED Office of Oil and Gas

NOV 1 5 2021





Sarah Weigand Manager Upstream Permitting Work: 724-485-3244 Email: Sarah Weigand@Cnx.com CNX Center 1000 CONSOL Energy Drive Canonsburg, PA 15317-6506 724-485-4000 cnx.com

October 11, 2021

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

RE: SHR37NHSM Waiver Request

To Whom It May Concern:

CNX Gas Company LLC (CNX) as surface and coal owner of the SHR37NHSM drill tract hereby waives the right to receive the Notice of Intent to Drill. An executed Voluntary Statement of No Objection form has been included with this application.

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

Sincerely, Sauch Weigerel

Sarah Weigand

Office of Oil and Gas

NOV 1 5 2021

WW-6A5 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Denvery inc	thod pursuant to West Virginia	Code §	22-6A-16(c)		
■ CERTI	FIED MAIL		HAND		
	RN RECEIPT REQUESTED	_	DELIVERY		
return receipt the planned required to be drilling of a damages to the	t requested or hand delivery, give operation. The notice required be provided by subsection (b), sect horizontal well; and (3) A propo- ne surface affected by oil and gas	the surface the su	ace owner whose lan ubsection shall inclu of this article to a sur ace use and compen ns to the extent the d	d will be used for ide: (1) A copy face owner whose sation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
	reby provided to the SURFACE is listed in the records of the sheri				
Name: CNX Ga	s Company LLC	/	Name:		
	CONSOL Energy Drive		Addres	s:	
Canonsburg, PA	15317				
State: County:	West Virginia Tyler Centerville		UTM NAD	Easting: Northing:	513280.399
District:	Centerville		Public Road		4356024,318 Duckworth Ridge Road (CR 58/2)
District: Quadrangle:	Centerville West Union		Public Road Generally us	Access:	4356024,318 Duckworth Ridge Road (CR 58/2) CNX
					Duckworth Ridge Road (CR 58/2)
Quadrangle: Watershed: This Notice & Pursuant to V to be provide horizontal we surface affect information r	West Union Headwaters Middle Island Creek Shall Include: Vest Virginia Code § 22-6A-16(code by W. Va. Code § 22-6A-10(code); and (3) A proposed surface used by oil and gas operations to the lated to horizontal drilling may located at 601 57th Street, SE,	b) to a se e and co he exter be obta	Generally us otice shall include: (1 surface owner whos ompensation agreement the damages are called from the Secre	Access: ed farm name:)A copy of this e land will be unit containing an ompensable und tary, at the WV	Duckworth Ridge Road (CR 58/2)
Quadrangle: Watershed: This Notice & Pursuant to V to be provide horizontal we surface affect information r headquarters, gas/pages/def	West Union Headwaters Middle Island Creek Shall Include: Vest Virginia Code § 22-6A-16(code by W. Va. Code § 22-6A-10(code); and (3) A proposed surface used by oil and gas operations to delated to horizontal drilling may located at 601 57th Street, SE, ault.aspx.	b) to a se e and co he exter be obta	Generally us otice shall include: (1 surface owner whos ompensation agreement the damages are c tined from the Secre leston, WV 25304	Access: ed farm name:)A copy of this e land will be unit containing an impensable und tary, at the WV (304-926-0450)	code section; (2) The information required used in conjunction with the drilling of a coffer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Quadrangle: Watershed: This Notice & Pursuant to V to be provide horizontal we surface affect information r headquarters, gas/pages/def	West Union Headwaters Middle Island Creek Shall Include: Vest Virginia Code § 22-6A-16(code by W. Va. Code § 22-6A-10(code); and (3) A proposed surface used by oil and gas operations to delated to horizontal drilling may located at 601 57th Street, SE, ault.aspx.	b) to a se e and co he exter be obta	Generally us otice shall include: (1 surface owner whos ompensation agreement the damages are called from the Secre	Access: ed farm name:)A copy of this e land will be unit containing an ompensable und tary, at the WV	CONX code section; (2) The information required used in conjunction with the drilling of a coffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-rgy Drive
Quadrangle: Watershed: This Notice & Pursuant to V to be provide horizontal we surface affect information r headquarters,	West Union Headwaters Middle Island Creek Shall Include: Vest Virginia Code § 22-6A-16(ced by W. Va. Code § 22-6A-10(ed); and (3) A proposed surface used by oil and gas operations to delated to horizontal drilling may located at 601 57th Street, SE, ault.aspx. T: CNX Ges Company LLC	b) to a se e and co he exter be obta	Generally us otice shall include: (1 surface owner whos ompensation agreement the damages are c tined from the Secre leston, WV 25304	Access: ed farm name:)A copy of this e land will be unit containing an ompensable und tary, at the WV (304-926-0450)	CONX code section; (2) The information required used in conjunction with the drilling of a coffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-rgy Drive

appropriately secure your personal information. If you have any questions about our use or your personal information, please contact

DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil and Gas

NOV 1 5 2021

WV Department of 12/17/2021 from

TIV	1P 1-17-5	1000
Surface Owner	Address	
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317	/
Coal Owner	Address	
CNX Gas Company LLC	1000 Consol Energy Drive Canonsburg, PA 15317	/

WW-6RW CNx # 294094001 API NO. 47
(1-12) OPERATOR

API NO. 47OPERATOR WELL NO. See Exhibit A
Well Pad Name: SHR37

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL LOCATION RESTRICTION WAIVER

The well op work. Pleas	erator, _CNX GAS COMPANY LLC e be advised that well work permits a	is applying for a pen re valid for twenty-four	mit from the State (24) months.	of West Virginia to conduct oil or gas well	
Well Locati Pursuant to any existing located with larger used dwellings or provided in sarticle was p by written of clerk of the variance by or practices conditions the	ion Restrictions West Virginia Code § 22-6A-12(a), water well or developed spring use in six hundred twenty-five feet of an to house or shelter dairy cattle or p agricultural buildings that existed o section ten of this article or a notice o provided, whichever occurs first, and onsent of the surface owner transmi county commission for the county i the secretary from these distance resi	Wells may not be drill ad for human or domest a occupied dwelling stru- coultry husbandry. This on the date a notice to the of intent to drill a horize to any dwelling under a itted to the department in which such property trictions upon submissionstruction, drilling and safety and protection of as well as technical requ	led within two hun tic animal consump leture, or a building is limitation is apply the surface owner of construction prior to and recorded in the is located. Further on of a plan which operations. The value of affected persons a uirements.	ndred fifty feet measured horizontally from pition. The center of well pads may not be in the pition of the best pads to those wells, developed springs, of planned entry for surveying or staking as ded in subsection (b), section sixteen of this to that date. This limitation may be waived the real property records maintained by the ermore, the well operator may be granted a didentifies the sufficient measures, facilities variance, if granted, shall include terms and and property. The terms and conditions may	
		WAIVI	ER		
required, and State: County: District:	I the well plat, all for proposed well west Virginia Tyter Centerville	work on the tract of lan- UTM NA UTM NA Public Re	d as follows: AD 83 Easting: AD 83 Northing: oad Access:	erosion and sediment control plan, if 513285.2620 m 4356027.9910 m Duckworth Ridge Road (CR 58/2)	
Quadrangle: Watershed:	West Union Headwaters Middle Island Creek	Generally	y used farm name:	CNX	
ssued on the WELL SITE Please check EXISTIE DEVEL DEVEL AGRICU	se materials and I therefore waive all E RESTRICTIONS BEING WAIVE A BUILD WAIVE AND WATER WELLS COPED SPRINGS LINGS ULTURAL BUILDINGS	II well site restrictions I	FOR EXECU Signature: Print Name: Date: FOR EXECU Company: By: Its: Signature: Date: Date:	TION BY A NATURAL PERSON TION BY A CORPORATION, ETC. CNX Gas Company LLC Thy Surmic E	
Well Operato	CNX GAS COMPANY LLC		nature: 224 ABS 354	m/for	
the world of the state of the		Tele	ephone: 724-485-3540	RECENT.	
By: Raymond Ho Its: Permitting Su			orn before me this	Office of Oil ar	

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

42/17/2921

Operator Well No.

SHR37DHSM SHR37EHSM SHR37FHSM SHR37FHSM SHR37HHSM SHR37IHSM SHR37KHSM SHR37LHSM SHR37LHSM SHR37MHSM SHR37NHSM SHR37NHSM

SHR37PHSM SHR37QHSM SHR37RHSM

Neil A Archer II
TYLER County 10:31:58 AM
Instrument No 1191946
Date Recorded 12/18/2018
Document Type OG
Pages Recorded 2
Book-Page 627-619
Recording Fee \$5.00
Additional \$6.00

Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection

AVANAH SMILACK AMPBELL DEVELOPMENT OOG E CAKSON STREET ITTSBURGH, PA 15203-1902

OPERATOR WELL NO. Well Pad Name: SHR37

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION I, So path Wel Carel, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through , including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows: State: West Virginia Easting: 513280.399 UTM NAD 83 County: Tyler Northing: 4356024.318 District: Centerville Public Road Access: Duckworth Ridge Road Quadrangle: West Union Generally used farm name: **CNX Gas Company** Watershed: Middle Island Creek

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

Oil and Gas Privacy Notice:	WV Department of Environmental Protection
☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD	Date: 1//3/2021
☐ WATER PURVEYOR	Signature: /// LOW /WELSTON MOU
☐ COAL OPERATOR	Its: Reporting Manager Office of Dil and Gas
■ COAL OWNER OR LESSEE	Company: CNX Gas Company LLC
☐ SURFACE OWNER (Impoundments/Pits)	FOR EXECUTION BY A CORPORATION, ETC.
☐ SURFACE OWNER (Road and/or Other Disturbance)	Print Name:
■ SURFACE OWNER	Signature:
*Please check the box that applies	FOR EXECUTION BY A NATURAL PERSON

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

	Section V – Proposed Additives to be used in Fracturing or Stimulations	
Chemical	Chemical Name	CAS No.
28% HCL Acid	Water	7732-18-5
28% FICE ACID	Hydrogen Chloride	7647-01-0
	Methyl Alcohol	67-56-1
	N,N-Dimethylformamide	68-12-2
	Ethylene glycol	107-21-1
ACI-150	2-Butoxyethanol	111-76-2
	Poly(oxy-1,2-ethanediyl),.alpha(4-nonylphenyl)omegahydroxy-,branched	127087-87-
	Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7
	Cinnamaldehyde	104-55-2
Citric Acid 50%	Citric Acid	77-92-9
Citric Acid 50%	Water	7732-18-5
	Alkanes, C16-20-iso	90622-59-
StimSTREAM FR 9800	Butene, homopolymer	9003-29-6
	Ethoxylated alcohols (C12-18)	68213-23-0
StimSTREAM SC 398	Bis(HexaMethylene Triamine Penta (Methylene Phosphonic Acid) (BHMT)	34690-00-
Stims i KEAIVI SC 398	Non-hazardous substances	Proprietar
	Glutaraldehyde	111-30-8
Γ	Didecyl dimethyl ammonium chloride	7173-51-5
Clearal 268	Quaternary Ammonium Compounds	68424-85-
Γ	Ethanol	64-17-5
Γ	Non-hazardous substances	Proprietar
	Heavy Aliphatic Naphtha	64742-96-
	TRADE SECRET	Proprietar
VB 625	TRADE SECRET	Proprietar
	TRADE SECRET	Proprietar
Ī	Guar gum	9000-30-0
Ammonium Persulfate	Ammonium Persulfate	7727-54-0



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

D. Alan Reed, P.E. State Highway Engineer 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

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

October 12, 2021

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

Subject: DOH Permit for the SHR-37 Pad, Tyler County SHR37NHSM Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0949 which has been issued to CNX Gas Company for access to the State Road for a well site located off Tyler County Route 58/2 SLS MP 0.25.

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

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Tary K. Clayton

Cc: Becky Zachwieja

CNX Gas Company

CH, OM, D-6

File

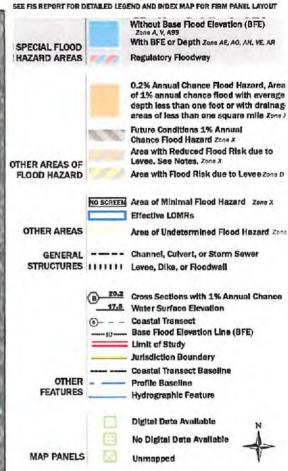
RECEIVED
Office of Oil and Gas

NOV 1 5 2021

National Flood Hazard Layer FIRMette



Legend



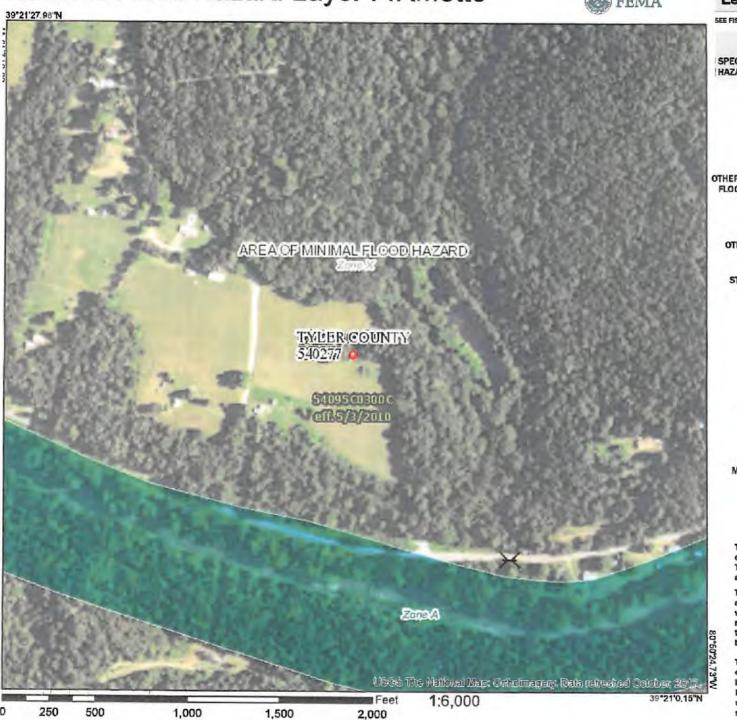


The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative property location.

This map compiles with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown compiles with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/19/2018 at 11:31:08 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





CNX RESOURCES CORPORATION

SHIRLEY 37 WELL PAD AS-BUILT

ENTRANCE LOCATION

NAD 83 - LAT: 39° 21' 15.32"; LONG: 80° 50' 48.62" NAD 27 - LAT: 39° 21' 15.02"; LONG: 80° 50' 49.24"

CENTERVILLE DISTRICT,
TYLER COUNTY, WEST VIRGINIA
DATE: JULY 02, 2019





LOCATION MA

I hereby certify that I am a licensed engineer in the state of West Virginia. This As-Bult certifies, to the best of my knowledge, information and belief; the Well Pad constructed by Anderson Excavating in Tyler County, WV on behalf of CNX Resources Corporation, has been constructed in general conformance to the plans and specifications and, in my professional opinion, is in compitance with applicability stays, codes, and ordinances.



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

setth.

811

WVDEP OOG ACCEPTED AS-BUILT

10/31/2019

Know what's below. Call before you dig.

Note: Drawing was created on 22x34 paper, 11x17 drawings are half scale. Refer to scale bar for proper scaling.

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COPYRIGHTS 2508 THE THRASHER SPOUP MC.		
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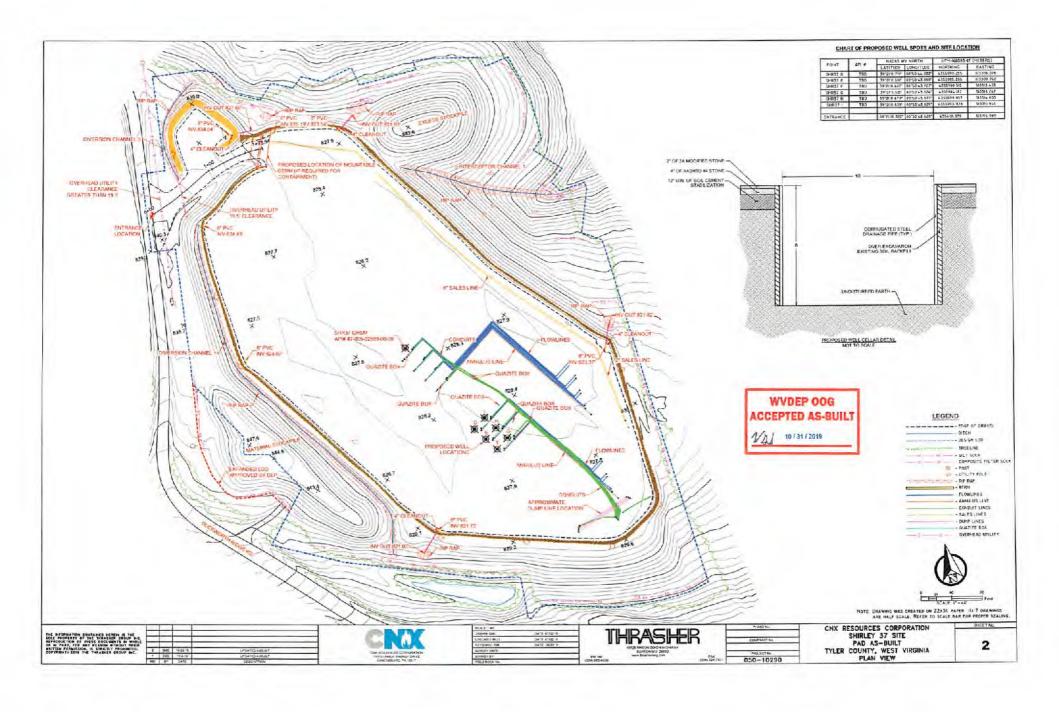


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OKOGDINO	CATE STREET
PENERSCO PHE	ENTE INNERS
SUPPLY DATE	
Description	
Act to depart all	

1	THRASHER	
	19729 MAKON DIRONHIGHMAY BURITON WAY 25502	

	MADE No.	
	CONTRACT No.	
-	projection .	
ren	050-10290	

CNX RESOURCES CORPORATION	
SHIRLEY 37 SITE	
PAD AS-BUILT	
TYLER COUNTY, WEST VIRGINIA	
COVER SHEET	



SHR-37 WELL PAD **Erosion & Sedimentation Control Plan**

Centerville District, Tyler County, West Virginia

Prepared For:

SITE ENTRANCE COORDINATES: N39°21'15.37" W80°50'48.61"

WELL PAD CENTER: N39°21'12.90" W80°50'44.67" (39.354269,-80.846836) (39.353583,-80.845742) CNX GAS COMPANY, LLC

1000 CONSOL Energy Drive Canonsburg, PA 15317

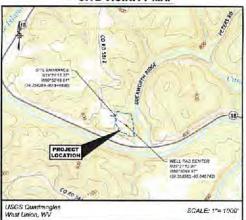
Issue Date: November 19, 2018 Revised: January 16, 2019



DRAWING SCHEDULE

SHEET NO.	SHEET TITLE
1 OF 13	TITLE SHEET
2 OF 13	GENERAL NOTES
3 OF 13	EXISTING CONDITIONS PLAN
4 OF 13	SITE SOILS PLAN
5 OF 13	EROSION & SEDIMENTATION CONTROL AND GRADING PLAN
5 OF 13	ACCESS ROAD PROFILES, SECTIONS, AND OFFSET EXHIBIT
7 OF 13	WELL PAD PROFILES
8 OF 13	GEOTECHNICAL DETAILS
9 OF 13	EROSION AND SEDIMENTATION CONTROL DETAILS
10 OF 13	CONSTRUCTION DETAILS
11 OF 13	SITE RESTORATION PLAN
12 OF 13	SITE REVEGETATION PLAN
13 OF 13	QUANTITY SUMMARY

SITE VICINITY MAP



SITE LOCATION MAP





Prepared By:



1712 Mt. Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com

LANDOWNER IMPACT TABLE

ACRES	LANDOWNER
8.5	CNX Gas Company, LLC 01-17-5

Cragin Blevins Blevins

Digitally signed by Cragin Date: 2021.11.08 10:40:01 -05'00'

1/13

