

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 SHR37KHSM

47-095-02768

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

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

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

James A. Martin

Operator's Well Number: SHR37KHSM

Farm Name: CNX GAS COMPANY LLC

U.S. WELL NUMBER: 47-095-02768 Horizontal 6A New Drill Date Issued: 12/16/2021

Promoting a healthy environment.

API Number:	

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.

OPERATOR WELL NO. SHR37KHSM
Well Pad Name: SHR37

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

1) Well Operator: CNX GAS C	COMPANY LLC	494458046	TYLER	Centervil	West Union
and account adoption		Operator ID	County	District	Quadrangle
2) Operator's Well Number: SH	R37KHSM	Well Pa	d Name: SHI	R37 ,	
3) Farm Name/Surface Owner:	CNX Gas Compan	y LLC Public Ro	ad Access: D	uckworth Ric	lge Road
4) Elevation, current ground:	828' Ele	evation, proposed	l post-construc	ction: 828'	
5) Well Type (a) Gas X Other	Oil	Uno	lerground Stor	rage	
(b)If Gas Sha	llow X	Deep	_		
Hor	izontal X				
6) Existing Pad: Yes or No Yes	Ř				
 Proposed Target Formation(s) Target formation is Marcellus S 		1	Land of the same		~4000 psi
8) Proposed Total Vertical Depth	1: 6302' TVD at	TD (dependent	upon formati	on dip)	
9) Formation at Total Vertical D	epth: Marcellus	Shale (will not p	penetrate Ond	ondaga)	
10) Proposed Total Measured De	epth: 19,450' M	ID at TD			
11) Proposed Horizontal Leg Le	ngth: 11,262'				
12) Approximate Fresh Water St	rata Depths:	92', 126', 144',	148', 150', 17	76', 220'	
13) Method to Determine Fresh	Water Depths:	Offset water well	information		
14) Approximate Saltwater Dept	hs: 1748', 2458'				
15) Approximate Coal Seam Dep	oths: No mineab	ole coal seams;	trace @ 154',	526', 618', 9	955', 992', 1044'
16) Approximate Depth to Possil	ble Void (coal mi	ne, karst, other):	None anticip	ated	
17) Does Proposed well location directly overlying or adjacent to		ns Yes		vo x	
(a) If Yes, provide Mine Info:	Name:				
	Depth:				RECEIVED Office of Gir and Gas
Cragin Blevins Date: 2021.11.09 11:29:35-05'00	Seam:				Office of 5 1 5 2021
	Owner:				MAN TO TOTA
					WV Department of Environmental Protecti

API NO. 47- 095 - 02768

OPERATOR WELL NO. SHR37KHSM

Well Pad Name: SHR37

18)

CASING AND TUBING PROGRAM

ТУРЕ	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	6220	6220	1,725 / CTS
Production	5.5	New	P-110	20	19,450	19,450	3,754 / TOC @ 2,100
Tubing	2.375	New	J-55	4.7	Above assumes RF = 29'	TBD	N/A
Liners	N/A						



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	0	9	5	0	2	7	6	8	
OPERATOR									

Well	Pad	Name:	SHR37	
AACII	rau	Maille.	OI II (O)	

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:

Cragin Blevins Digitally signed by Cragin Blevins Date: 2021.11.09 11:30:22-05'00'

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

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

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

WV Department of Environmental Protection

CNX

DRILLING WELL PLAN SHR37K HSM-HS (Marcellus HZ) Macellus Shale Horizontal

Tyler County, WV

 Ground Elevation
 1273.08

 Azm
 161°
 SHR37K HSM LP (Lat/Long)
 301164.4425 N, 1620180.8546E (NAD27)

LBORE DIAGRAM	HOLE	CASING	DECLOGY	MD	TVD	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
	36"	26"	Conductor	160	140	AR	Ta Burface	N/A	Ensure the hole is clean at TD.	Stabilize surface fil/still. Conductor steing = 0.375' wall thiothees
			DFGW	249			1			
	17.5*	13-3/8" 54.5N	Freeport Coal	183	183	AR	15-8 ppg Class H + 2% CaCl, 0.256 Lost Circ.	Bow Spring on first 2 loints then every third	ythird through the coal seams and	Casing to be run 30" - 50" billion base of Piratburgh Coal Intermediate casing = 2,380"
	17.5	J-65 BTC	un-named shale and sand	184	184	an	20% Fecans Yield = 1.254	joint to 100' form surface	ensure the hole is clean at TD.	wat thekness Burst-2739 pel
			Coal Casing	370	370					
d k			Harlem Coal	555	555					
			Bakerstown Coal	547	647					
			Upper Kittaning Coal Seam	984	984					Costing to be run 100° below the 50° Sharif Black. Hammelules runsing 2 - 200° and Schwass Burst-3500 psi
			Middle Kittaning Coal Seam	1,021	1,021		19.5 ;pg Class A +0.4% Ret, 0.15% Disp. 0.2% Art Folian,	Bow spring centralizera	e spring tradinatures my peind just to 100° from a afficie.	
			Lower Kittaning Coal Seam	1,073	1,073					
			Little Lime	1,616	1,616					
41 10	A Trans	9-5/8* 38#	Big Lime	1,656	1,656					
1 11	12.25"	J-65 LTC	Keener / Big Injun Top	1,736	1,736	AIR	0.1254/sk Lost Circ			
		0.00 110	Price Formation (Base of Big Injun)	1,876	1,876		20% Excess Yield=1,263 To Surface	feet Port & attace.		
1 1 1 1 1 1 1	4		Weir Sand	2.026	2.026		TO DOE HOS			
1 10	b 1		Borna	2,176	2,176					
			Garden	2,266	2,256					
11 111			Warren Sand	3,166	3,166					
			Benson	4.756	4.756					
			Alexander	4,966	4,966					
lei 1688			Int. Casing	6,213	5,000					
	8.75* Vertical		Cashaqua Shale	6,964	5,746	RA				
101	10.000	1	Middlesex	7,364	6,146		15.0ppg Class A 25:75:0			
	1		West River	7,405	6,187		System -2.5% Coment extendor,			
4			Burket Shale	7,475	6,257		0.7% Fluid Loss		Once at TD, circulate at	Production casing = 0.361
^ ^	8.5° Curve	Community of the	Tully Limestone	6,293		12.5ppg	additive, 0.45% high temp retarder, 0.2%		max allowable pump rate for at least 6x bottoms up.	wall thickness
101	e.s Cuive	5-1/2" 234		6.313		SCBM	Niction reducer	Unibody bowspring	Once on bottom with	Burst=14340 psi
101		P-110	Hamilton Shale					every joint to TOC	ceaing, circulate a minimum.	Note: Actual centralizer schedules may be change
101			Upper Marcellus	6,326			10% Excess Vield=1.22			due to hole conditions
10 18			Purceil	6,332	10.00		1802-1.22			2122 2012 2012
		1	Middle Marcellus	6.344			TOC >= 1000			
181	8.5*		Cherry Valley	6,358		13.5ppg- 13.0ppg	above 9.625" since			
	Lateral	Lower Marcellus	6.368		S-CBM					
101			Onondaga Limestone	6,375	rvo					
	X 0302"	X	X	X		X	X	X	X	X

	lapu	ets		
Pad	SHR37			
Well Letter	KHSM			
Ground Elev	1273.08			
Azimuth	161			
Lat Length	11252			
Coordinate System	NAD27			
TVD	6302 Northing	Easting	MD	TVD
SHL	313674,2537	1619404.962	0	NA.
КОР	NA	NA	7083	5888
LP	311512.9668	1616514.27	5158	8302
BHL	301164,4425	1620160.855	19450	6302

API Number	47 -	095	02768	

Operator's Well No. SHR37KHSM STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Watershed (HUC 10) Headwaters Middle Island Creek Quadrangle West Union Do you anticipate using more than 5,000 bibs of water to complete the proposed well work? 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, 47-007-01514, 47-007-01613, 34-0132-0500) Reuse (at API Number worksweek organisers, worksweek,	Operator Name CNX Gas Company, LLC OF	Code 494458046		
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 Linderground Injection (UIC Permit Number 47-001-00561, 47-097-01614, 47-097-01613, 34-013-2-0609) Reuse (at API Number unenconsular analysis) Off Site Disposal (Supply form WW-9 for disposal location) Proposed Disposal (Supply form WW-9 for disposal location)				
If so, please describe anticipated pit waste: 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 47-097-01514, 47-097-01613, 34-013-2-0608) Reuse: (at API Number 1901-nasones 47-098-01874, worneconst of cold-01872, worneconst of cold-01872, worneconst of cold-01873, worneconst	Do you anticipate using more than 5,000 bbls of water to complete the proposed well w	vork? Yes	No	
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 47-401-00561, 47-097-01514, 47-097-01613, 34-013-2-0509) Reuse (at API Number we provide a strong that the provide of the permit	Will a pit be used? Yes No			
Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Number 47-601-00561, 47-097-01514, 47-097-01613, 34-012-2-0008) Reuse (at API Number wornswere treatments, wornswere Arost-oners, wornscreaments, wornscreaments, wornscreaments, wornscreaments, wornscreaments, wornscreaments, wornscreaments, wornscreaments, wornscreaments, and the property of the Control of the Care of Coll and Office of Coll and	If so, please describe anticipated pit waste: no pits			
Land Application Underground Injection (UIC Permit Number 47-091-00561, 47-097-01613, 47-097-01613, 47-017-01613,	Will a synthetic liner be used in the pit? Yes No If so, w	hat ml.? NA		
Underground Injection (UIC Permit Number 47-001-03561, 47-097-01613, 34-013-2-0669) Reuse (at API Number worksware-streams representative numbers worksware-streams representative numbers and the provided within 24 hours of rejection and the permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of any tork of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that 1 have personally examined and am familiar with the information submitted on this application from and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, including the possibility of fine or imprisonment. Company Official Title Manager Upstream Permitting My commission expires Understand and sworm before me this O day of Wents A. Notary Public Cragin Elevins My commission expires Understand A. Water Public Cragin Elevins Notary Public Cragin Elevins Notary Public Cragin Elevins Notary Public Cragin Elevins Description of the permit are description of the day of Wents A. Notary Public Commission on unbot 1208883 My commission expires Uniform Description of the care of the commission of the care	Proposed Disposal Method For Treated Pit Wastes:			
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Off Site Disposal (Supply form WW-9 for disposal location) RECENT Office of One of the Carplain No Pits 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, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific of this well (vertical and horizontal)? Air, freshwater, oil based, etc. Formand of the specific o				
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Will closed loop system be used? If so, describe: Yes Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Permitted	■ Other (Explain No Pits		Office	of Oil and Ga
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Foundation of the proof of the			NO	N 15 2021
Additives to be used in drilling medium? Bastericide, Polymers, and Weighting Agents Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. In Provided the provided with a plan to solidify what medium will be used? (cement, lime, sawdust) N/A -Landfill or offsite name/permit number? See attached. Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Title Manager Upstream Permitting Company Official Title Manager Upstream Permitting Company Official Title Manager Upstream Permitting My commission expires November 7, 2023 Company Official Title Manager Upstream Permitting My commission expires November 7, 2023 Company Official Title Manager Upstream Permitting Department of Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Department of Pennsylvania Association of Notaries Department of Pennsylvania Association of	Will closed loop system be used? If so, describe: Yes		155	- Danaitment
Additives to be used in drilling medium? Bastaricide, Polymers, and Weighting Agents Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A -Landfill or offsite name/permit number? See attached. Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Manager Upstream Permitting Commonwealth of Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Deputity dependence of the Capit Report of Capi	Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil	based, etc. Vericus as from	from curve KOF to lai	onfriental Prote
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Demographical et al.	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A -Landfill or offsite name/permit number? See attached. Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Manager Upstream Permitting Commonwealth of Pennaylvania -Notary Seel Rebacca Zachwieja, Notary Public Washington County My commission expires November 7, 2023 Commonwealth of Pennaylvania -Notary Seel Rebacca Zachwieja, Notary Public Washington County My commission expires November 7, 2023 Commonwealth of Pennaylvania -Notary Seel Rebacca Zachwieja, Notary Public Washington County My commission expires November 7, 2023 Member, Pennsylvania Association of Notaries My commission expires My commission expires My commission expires My commonwealth of Pennaylvania -Notary Seel Rebacca Zachwieja, Notary Public Notary Public Cagin Beevin	Additives to be used in drilling medium? Bactericide, Polymers, and Weighting Agents			
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Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Signature Company Official Title Manager Upstream Permitting Commonwealth of Pennsylvania - Notary Seal Rebacca Zachwieja, Notary Public Washington County My commission number 1269683 Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Delitally agreed, Seal Cargin Bervins Delitally agreed, Seal Ca	-If left in pit and plan to solidify what medium will be used? (cement, lime, s	awdust) N/A		
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Company Official Signature Company Official Signature Company Official Typed Name) Sarah Weigand Company Official Title Manager Upstream Permitting Company Official Title Manager Upstream Permitting Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Notary Public Cragin Blevins Digitally signed Coapin Blevins Date: 2021 11.08 Date: 2021 1	on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Enprovisions of the permit are enforceable by law. Violations of any term or condition law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am fan application form and all attachments thereto and that, based on my inquiry of the obtaining the information, I believe that the information is true, accurate, and com-	nvironmental Protecti of the general permi niliar with the inform lose individuals imm plete. I am aware t nent.	on. I understan it and/or other a mation submitten diately respondant that there are s	nd that the applicable ed on this nsible for significant
Company Official Title Manager Upstream Permitting Commission expires November 7, 2023 Company Official Title Manager Upstream Permitting My commission expires November 7, 2023 Commission expires November 7, 2023 Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Notary Public Cragin Condition Blevins Digitally signed Coapin Blevins Date: 2021 11.08		Rebecca Zachy	wieja, Notary Put	ary Seal blic
Company Official Title Manager Upstream Permitting Commission number 1269683 Member, Pennsylvania Association of Notaries Subscribed and sworn before me this 10 day of 100 Member 120 Motary Public Cragin Blevins My commission expires 12023 My commission expires 12023 Manager Upstream Permitting Commission number 1269683 Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Member, Pennsylvania Association of Notaries Notary Public Cragin Blevins Digitally signed Cragin Blevins Date: 2021 11.08 Date: 2021 11.		My commission exp	pires November	7,2023
Subscribed and sworn before me this 10 day of 100 Member . 20 11 Pelboeca Tachweia Notary Public Cragin Blevins My commission expires 100 Member 100 Member 100 Blevins Digitally signed Cragin Blevins Date: 2021 11.08 11:10:22-0500°	Company Official Title Manager Upstream Permitting	Commission	number 126968	3
Pelboeca Zachwieja Notary Public Cragin Blevins My commission expires Member 7 2023 Blevins Date: 2021 11.08 11:10:22-0500°	worth of book trans Country of Wash you	Wetting! Lating)		
Pelboeca Zachwieja Notary Public Cragin Blevins My commission expires Member 7 2023 Blevins Date: 2021 11.08 11:10:22-0500°	Subscribed and sworn before me this 10th day of 1000 m.50 1	. 20 M		
My commission expires Mensel 7 2023 My commission expires Blevins Date: 2021 11.082 11:10:22-05'06'		-0-		
My commission expires 7700 5	Ma-121 7 2023	_ Notary Public	The state of the s	Date: 2021 11.08
	My commission expires // / / / / / / / / / / / / / / / / /			

Proposed Revegetation Tre	eatment: Acres Disturbed 1	5.57 Prevegetation	pH 6.5
Lime according to	pH test Tons/acre or to correct	ct to pH 7.0	
Fertilizer type 10)-20-20		
Fertilizer amount_	500	lbs/acre	
Mulch_ hay or s	straw @ 2	_Tons/acre	
		Seed Mixtures	
1	Гетрогагу	Pern	nanent
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Orchard Grass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10
provided). If water from the ecreage, of the land applica	e pit will be land applied, inc	d application (unless engineered plans include dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land applicate Photocopied section of investigations.	e pit will be land applied, inc ation area.	clude dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land application	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land application of investment of the land approved by:	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land application of investment of the land approved by:	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land application of investment of the land approved by:	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, a	
Maps(s) of road, location, provided). If water from the creage, of the land application of investment of the land approved by:	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, a	nd dimensions (L x W), ar
Maps(s) of road, location, provided). If water from the creage, of the land application of the land approved by: Comments:	e pit will be land applied, inc ation area. olved 7.5' topographic sheet.	Cregin Blevins 1.10.52-05'90'	



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

CNX Center 1000 CONSOL Energy Drive Canonsburg, PA 15317-6506 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 SHR370HSM SHR37PHSM SHR37QHSM SHR37RHSM

Sincerely,

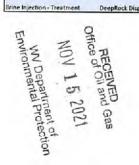
Darah Weigand

RECEIVED Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection

Type of Waste	Disposal Company Name	Disposal Location	Disposal Locatio	n Coo Well ID / Name	Permit # (if applicable)	Accepted Waste Streams	Disposal Company Contact Informa
					WMGR GP No. 1235W001		Rob Bealko
		2001100 00 00	201500100		WQM Industrial Waste		304-291-0383 Office
Balan Balandina Tanana	The particular property and the particular and the	2326 McClellandtown Road,	39.853056,		Permit No.:		304-282-8814 Cell
Brine Injection - Treatment	Appalachian Water Services (Nuverra Environmental Solutions)	Masontown, PA 15461	-79.924786	Appalachian Water	2608201 A-2	Brine (Produced Water) and oily water from compressor stations.	rob.bealko@nuverra.com
							Office: 740-609-3800
							Jack Bement CEO
							Austin Master Services LLC
						Non-radioactive material, low level radioactive material,	355 Circle of Progress
						(NORM/TENORM), and high level TENORM material handling,	Pottstown PA, 19464
and a second of	A CANADA	801 N 1st St, Martins Ferry,	40.105200, -			storage, downblending, transport/loading to rail, tank cleaning,	Ph:(585) 704-2744
RW & TENORM	Austin Master Services	OH 43935	80.711630	N/A	N/A	radiological sampling/testing analysis/lab.	Fax: 484 624-5506
							Office: 740-609-3800
							Jack Bement CEO
							Austin Master Services LLC
							355 Circle of Progress
							Pottstown PA, 19464
		801 N 1st St. Martins Ferry.	40.105200, -				Ph:(585) 704-2744
rine Injection - Treatment	Austin Master Services	OH 43935	80.711630	N/A	N/A	Brine (Produced Water)	Fax: 484 624-5506"
					1472	Non-radioactive material, low level radioactive material,	
						(NORM/TENORM), and high level TENORM material handling.	Dave Brown 412-848-1828 Mark
		78405 Cadit-New Athens Rd.	40.233830 -			storage, downblending, transport/loading to rail, tank cleaning,	Winsap 330-692-0423;
W & TENORM	Belmont Solids Control	Cadiz, OH 43907	81.003300	N/A	N/A		
		Cualt, Oli 45557	01.000,300	nya.	N/A	radiological sampling/testing analysis/lab.	dbrown@ApexLF.com
							Bob Orr
	Cambrian Well Services - Kemble	Zanesville, Muskingum	20 02405	William W.			740-796-6495
rine Injection - Treatment	(Orr Petroleum Corporation)		39.974954,	Kemble 1-D			614-648-8898
inc injection - Heatings	(Off Fedure on Corporation)	County, Perry Township, OH	-81.845389	(SWIW#28)	34-119-2-8780	Brine (Produced Water)	orrpetro@gmail.com
rine Injection - Treatment	CHY Comment Comments		37.087460, -	121.000			
anie injection - rreatment	CNX Resources Corporation	Buchanan County, VA	82.047918	BPC01	VAS2D960BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
after to transcription was a series	And the second s		37,222201,-				
Brine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	81.959987	N26	VAS2D930BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
array array a	all the second s		37.184198,				
rine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82.082549	U7	VAS2D926BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
			37.120547, -				
rine Injection - Treatment	CNX Resources Corporation	Russell County, VA	81.961222	AW114A	VAS2D970BRUS	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
man and a second			37.147934, -				
rine 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
							General Manager
							wesm@deeprockds.com
				Order No. 2015-452:			DeepRock Disposal Solutions LLC
				Vocational School			
		Washington County, Warren	39.426278	No. 2 Well; SWIW			Office: 740.371.5078 ext. 206 Cell
rine Injection - Treatment	DeepRock Disposal Solutions	Township, OH	81.502379	No. 20	API#34-167-2-9543-00-00	Bring (Produced Water)	304.588.0936
				TORICH THE TANK THE TANK	74. E 57 407 E 5545 60 60	Dine (Trouberd Trace)	Wes Mossor
							General Manager
							wesm@deeprockds.com
				Delay No. 2015 501.			DeepRock Disposal Solutions LLC
		Washington County Marris	20 436173	Order No. 2015-582;			
rine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH		Heinrich Unit #2	******	Christian & Colonical	Office: 740.371.5078 ext. 206 Cell
Transfer (1 manufacti)	essy. ess suposa sundons	rownsmp, Ort	81.507900	Well, SWIW No. 22	API#34-167-2-9464-00-00	Brine (Produced Water)	304,588.0936
							Wes Mossor
							General Manager
							wesm@deeprockds.com
							DeepRock Disposal Solutions LLC
		A CONTRACTOR OF THE PARTY OF TH		Order No. 2015-581;			
And delication of the last of the	Note that the same of the same	Washington County, Warren		Heinrich Unit #1			Office: 740.371.5078 ext. 206 Cell
ine Injection - Treatment	DeepRock Disposal Solutions	Tawnship, OH	81.511020	Well, SWIW No. 21	API#34-167-2-9445-00-00	Brine (Produced Water)	304.588.0936
							Wes Mossor
							General Manager
							wesm@deeprockds.com
				Order No. 2019-79;			
				Order No. 2019-79; American Growers			DeepRock Disposal Solutions LLC
		Washington County,	39,402842,-				



ily & Oily Water Treat - Recycle	Spirit Services, Inc.	173 Industrial Park Ln., Beech Bottom, WV 26030	N/A	N/A	N/A	Approved for non-haz water treatment of oil & water mix. Also offer transportation and solidification services. Capable of other types of waste disposal and handling with prior Environmental and Suophy Chain approval.	1-866-670-9034 Joe Staton: 717-350-7916 Office: 301-223-1251 Fax: 301-223-1253 jstaton@spiritservices.com
rine Injection - Treatment	Reserved Environmental Services (RES) Safety Kleen	Waynesburg, PA 15370 10 Industrial Park Drive Wheeling, Wv. 26003	80.140833 N/A	Waynesburg Facility Wheeling Landfill	WMGR1235W031	Oil and Gas Fluids with minimal oil and solids present RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soll/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	mkicinski@reswater.com Gordon Cooper Gordon cooper@safety-kleen.com 304-215-2284
Brine Injection - Treatment	Reserved Environmental Services (RES)	1119 Old Route 119 South Mt. Pleasant, PA 15666 506 Lippencott Road	40.215555, - 79.606388 39.945555, -	New Stanton Facility	WMGR1235W005	Oil and Gas Fluids with minimal oil and solids present	814-574-9701 mkicinski@reswater.com Matt Kicinski 814-574-9701
Non-Haz Disosal	Republic Services - Imperial (Allied Waste of PA)	11 Boggs Rd, Imperial, PA 15126	N/A	Imperial Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Jack Palermo - ipalermo@republicservices.com, 33 536-7575 Matt Kicinski
Dify & Oily Water Treat - Recycle	Quala	515 Industrial Blvd., Wooster, OH 44691	N/A	N/A	N/A	Non-hazardous wastewater, transportation, treatment and disposal facility. Also offer transportation and solidification services.	330-264-8080 (O) slater@quala.us.com
RW & TENORM	Pressure Tech	7675 East Pike Norwich, Ohio 43767	39.97415, -81.844765	N/A	N/A	Non-TENORM wastes including cement water and oil or water based drilling mud only. Are not to accept waste that is known to have elevated levels of TENORM or compressor station water.	Bob Orr: 614-648-8898
Non-Haz Disosal	Noble Environmental Landfill (Former Westmoreland Waste)	111 Conner lane, Belle Vernon, PA 15012	N/A	Noble / Westmoreland Sanitary Landfill		Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Friable Asbestos, Non-Friable Asbestos, Municipal Solid Waste	Customer Service: (724) 929-7694
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 (5.85 pCi) on-site. High level TENORM (6.85 pCi) materials will be directed to Austin Master Services in Martins Ferry, Ohio by Ground Tech).	Tom Meinert 740-25-0357 heavymudmasters@gmail.com Billing Address: 739 Southgate Pkwy, Cambridge, C 43725
Non-Haz Disosal	Mascaro & Sons-Wetzel Co UF	1521 Wetzel County Landfill Rd. New Martinsville, WV 26155	N/A	Wetzel County Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolition Waste, Industrial Waste, Process Waste, Municipal Soild Waste	Terry Gadd terry gadd@jpmascaro.com, 610-6 4133
Brine Injection - Treatment	Hydra Recovery	572 Route 18 Burgettstown, PA 15021	40.422874,- 80.426125	Burgettstown Facility	WMGR123SW019	Oil and Gas Fluids with minimal oil and solids present	Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoverylp.m
RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41.113260, - B0.674500	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/lab.	Office: (330) 270-9900 Larry Chamberlain 330-393-5919 Ichamberlain@iwc-inc.com
Brine Injection - Treatment	Greene County Water Treatment, Inc.	401 Jefferson Rd. Waynesburg, PA 15370	39.908611, - 80.141111	Waynesburg Facility		Oil and Gas Fluids with minimal oil and solids present	Gary Carpenter 267-246-6176 JRBGCarpenter@aol.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 zacheryrd @yahoo.com PO Box 555, Rosedale, VA 24280 Phone: (276) 880-2323
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Barnsville, Belmont County, OH	NEED	Barnsville (SWIW #2)	34-013-2-0609 UIC#609	Frac water, brine, produced water	Bryan Force Mobile: 412.289.0069 Office: 724.465.9399 bforce@forceincorporated.com
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH	39.973643, - 81.825727	Pattison Trust No. 1-D (SWIW #30)	API# 34-119-2-8803	Brine (Produced Water)	Bryan Force Mobile: 412,289,0069 Office: 724,465,9399 bforce@forceincorporated.com
Brine Injection - Treatment	EGO Water Solutions LLC	5367 E State Street, Newcomerstown, OH 43832	40.283293, - 81.576068	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.cc
							Michael Chapin: Ph. 740-763-3966 Cell 740-403-9664 tantrumm@aol.com

		41540 National Road				Non-radioactive material, low level radioactive material (NORM/TENORM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/tab. Non-radioactive material & radioactive material handling (NORM/TENORM), solids separation, material downblending, tank cleaning, radiological sampling/testing analysis/fab. Liquid/semi-solids treatment and	Orin David
W & TENORM	Empire Fluid Solutions (Formerly Troo Clean)	Relmont, OH 43718	40.0687, -81.04963	10/8	N/A		Orin.david@trooclean.com 918-
	cle Valicor Environmental Services LLC	515 N. 8th Ave, Huntington, WV 25201	N/A	N/A	N/A	separation for waste disposal. Approved for non-haz water treatment of oil & water mix, oil, oil filters, and antifreeze only.	413-6425 Corporate Number: 734-442-2353 Guy Turturice gturturice@valicor.com 304-963-1563 Steve Atkinson SAtkinson@valicor.com
Von-Haz Disosal	Waste Management - American Landfill	7916 Chapel St SE, Waynesburg, OH 44688	N/A	American Landfill	N/A	Gas Specific Waste Streams: Orill 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	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
						Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other	Customer Service: 1 (866) 909-4458
ion-Haz Disosal	Waste Management - Arden Landfill	200 Rangos Ln, Washington, PA 15301	N/A	Arden Landfill	N/A	Accepted Weste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
on-Haz Disosal	Waste Management - Evergreen Landfill	1310 Luciusboro Rd, Blairsville, PA 15717	N/A	Evergreen Landfill	N/A	Gas Specific Wasse Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Municipal Soild Waste	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
				CTC- gr CCH Editorin	N/H	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) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com
on-Haz Disosal	Waste Management - Kelly Run	1500 Hayden Blvd, Elizabeth, PA 15037	N/A	Kelly Run Landfill	N/A	Sludge, Process Waste, Solidification Services, Municipal Solid Waste	Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
on-ries billoser	Traste management - new man	PA LING!	N/A	Keny Kun Landrin	N/A	/v asce	Customer Service: 1 (866) 909-4458
on-Haz Discsal	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 Soild Waste	Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, IFarnswo@wm.com
on that bischar	Waste Management - Manoring Cantolin	Spring read, Ort 44443	WA	wanoning Landini	P/O	Non-Hiable Aspestos, Process Waste, Municipal Solid Waste	1-armswp@wm.com
		1485 Dawson Dr. Bridgeport.				Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction 8. Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244,
on-Haz Disosal	Waste Management - Meadowfill Landfill	WV 26330	N/A	Meadowfill Landfill	N/A	Solidification Services, Municipal Solid Waste	TFarnswo@ wm.com
azardous 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, Soil diffication Services	Unda Davie: 716-286-0365 or 716-754-8231 or 800-963-4775
on Haz Disesal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WY 26104	N/A	Northwestern Landfill	N/A	Gas Spedific 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) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
	•				N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com
on-Haz Disosal	Waste Management - 585 Grading Landfill	4439 Good Hope Pike, Clarksburg, WV 26301	N/A	S&S Grading Landfill	N/A	Petroleum)Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Tom Farnsworth: C- 330-204-4244, TFarnswo@wm.com
	Control of the contro	THE PASSE	·*·	Statelig Landill	101.5	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Construction & Demolition Waste,	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@ wm.com
on-Haz Disosal	Waste Management - South Hills (Arnoni)	3100 Hill Rd. South Park Township, PA 15129	N/A	South Hills Landfill	N/A	Industrial Waste, Sludge , Process Waste, Solidification Services, Municipal Solid Waste	Tom Farnsworth: C- 330-204-4244, IFarnswo@wm.com
WAR-0.0		6015 Pleasant Valley Rd,				Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contamhated Soil (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Customer Service: 1 (866) 909-4458 Mark A. Thomas: 412-522-0610, mthoma15@wm.com Tom Farnsworth: C- 330-204-4244,
on-Haz Disosal	Waste Management - Valley Landfill	Irwin, PA 15642	N/A	Valley Landfill	N/A	Solidification Services, Municipal Solid Waste	TFernswo@wm.com

Non-Haz Disposal	Waste Management - Chestnut Ridge	385 Harr Ln, Blountville, TN 37617				Spencer to complete	Travis Maryanski tmaryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service
Non-Haz Disposal	MXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210				Spencer to complete	John Twiddy johnt@mxiinc.com 26-628-6636 ext. 202; 276-608-0003 Celi
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 Soil (including Petroleum), Construction & Demolition Waste, Industrial Waste, Studge, Process Waste, Municipal Soild Waste	Jack Palermo - jpalermo@republicservices.com, 330- 536-7575
Non-Haz Disosal	Republic Services - Carbon-Limestone**	8100 S State Line Rd, Lowellyille, 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, Solidification Services, Municipal Solid Waste **Ohio "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad. Solid waste landfills in Ohio can only accept TENORM waste with combined concentration less than 5 plocouries 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	Cement Water, Oil Base, Drill Mud, Water Base, Cellar Clean Outs ex. Also they do washouts and they have storage capacity of 2000bbl for 10lb brine and 10.5lb brine.	Kevin Flaherty (412)973-2586



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).

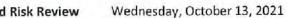
The Marcellus Shale of the SHR37 Pad area is found at an approximate True Vertical Depth (TVD) of 6500°. In the Shirley area, there are very few producing formations between the Big Injun and the Benson Sand. Most producing wells are either approximately 2000° or 5000° deep. Although there are a significant 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.

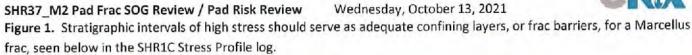
The current hypothesis for SOG Communication is that Marcellus frac fluids and pressure intersect and migrate up a nearby fault that acts as a conduit for upward migration and intersection with high permeability reservoirs of the Alexander and Benson. Both of these reservoirs are primarily depleted, 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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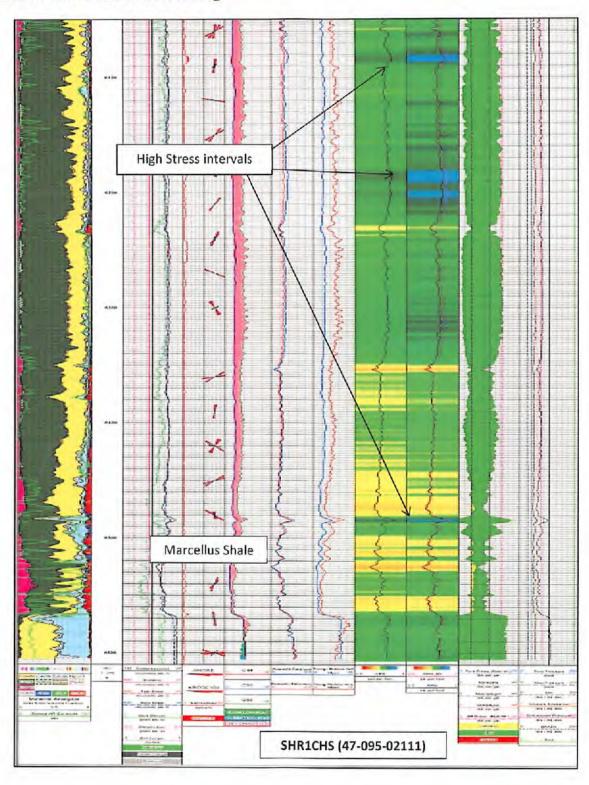
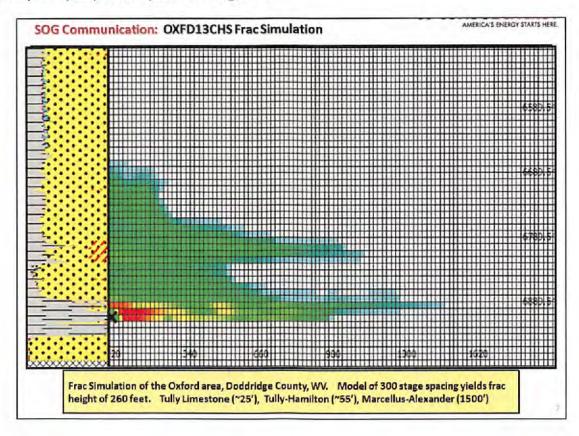
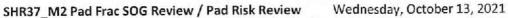




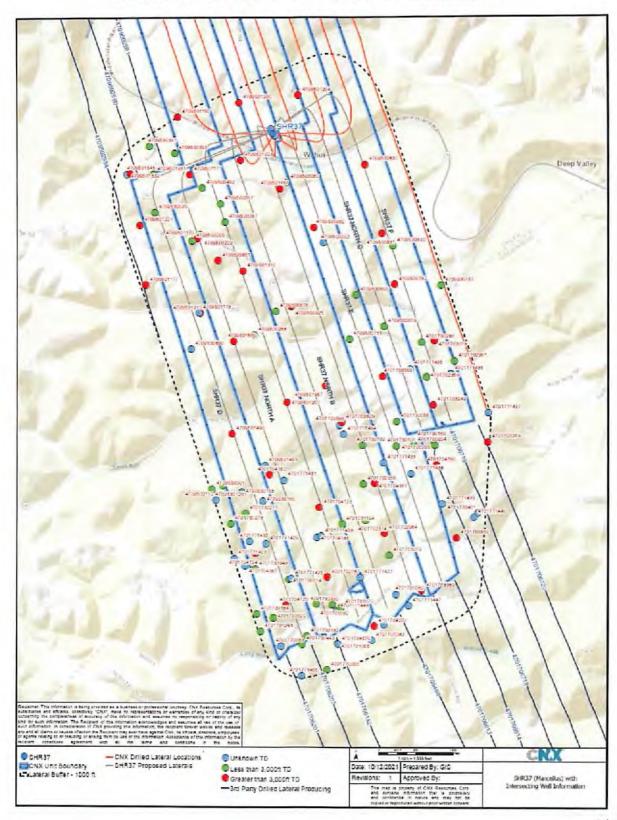
Figure 2. Stratigraphic intervals of high stress should serve as adequate frac barriers for a Marcellus frac. The frac modeling example below is from the Oxford area of western Doddridge County, where the Marcellus and adjacent shales are lithologically similar to the same formations in the Shirley area. 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.





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.

Apit0 -	CurrentOperator	- WellName	- CurrentStatu -		FormationAtTE -
4701704124	KEY OIL COMPANY	C. DOTSON 2	ACTIVE	5216	BENSON
4701702359	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L. G. 1	ACTIVE	2300	WEIR
4701702514	RITCHIE PETROLEUM CORPORATION, INC.	MONTGOMERY, JOHN 1	ACTIVE	2380	WEIR
4701703859	HARPER CROSBY HOLDINGS, LLC	JAMES 1	ACTIVE	5091	BENSON
4701704162	KEY OIL COMPANY	SHEPHERD 2	ACTIVE	5532	BENSON
4701704160	KEY OIL COMPANY	MILLER 1	ACTIVE	5320	BENSON
4701704187	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, CARROLL	ACTIVE	2050	INJUN
4701703253	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-794	ACTIVE	5576	BENSON
4701704200	MURVIN & MEIER OIL CO.	CARL JAMES 1	ACTIVE	5350	BENSON
4701704161	KEY OIL COMPANY	SHEPHERD 1	ACTIVE	5336	BENSON
4701704123	KEY OIL COMPANY	C. DOTSON 1	ACTIVE	5436	BENSON
4701702361	RITCHIE PETROLEUM CORPORATION, INC.	HAMMER, L. G. 2	ACTIVE	2396	WEIR
4701702569	DIVERSIFIED GAS & OIL PLC	WAGNER 1 182-S	ACTIVE	4951	RILEY
4701703333	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM P. J-513	ACTIVE	5305	BENSON
4701704126	KEY OIL COMPANY	A. DOTSON 2	ACTIVE	5375	BENSON
4701703249	GREYLOCK CONVENTIONAL	MCCUTCHAN, WILLIAM PAUL J-795	ACTIVE	5363	BENSON
4701703245	GREYLOCK CONVENTIONAL	HAMMER, LORENA J-390	ACTIVE	5267	BENSON
4701702984	DIVERSIFIED GAS & OIL PLC	WAGNER 3-184-S	ACTIVE	5150	BENSON
4709500831	GREYLOCK CONVENTIONAL	PRATT, A. E ESTATE J-315	ACTIVE	5512	BENSON
4709500831	GREYLOCK CONVENTIONAL	2515 JK-1282	ACTIVE	5530	BENSON
212222222	DIVERSIFIED GAS & OIL PLC	WAGNER 2 183-S	ACTIVE	5056	BENSON
4709501207	GREYLOCK CONVENTIONAL	MCCUTHEN, W. PAUL J-515	ACTIVE	5428	BENSON
4709500925	7/12/20/20/20/20/20/20/20/20/20/20/20/20/20		the state of the s	4919	BENSON
4709501204	DIVERSIFIED GAS & OIL PLC	HARRIS, DANNY & PATRICIA WVGK-255	The state of the s	2313	WEIR
4709500679	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 2	ACTIVE	5579	BENSON
4709501221	GREYLOCK CONVENTIONAL	AYERS, VIRGINIA J-1365	ACTIVE		BENSON
4709501171	DIVERSIFIED GAS & OIL PLC	FLINT, MATTIE DOTSON ETAL 2510	ACTIVE	5469	All the second s
4709501311	GREYLOCK OPCO, LLC	L. L. JAMES 4	ACTIVE	5130	BENSON
4709501545	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 1	ACTIVE	5271	ELK
4709500992	GREYLOCK CONVENTIONAL	MCKITRICK, ROY - HEIRS J-864	ACTIVE	5014	BENSON
4709501931	MURVIN & MEIER OIL CO.	JOSEPH HEIRS 2	ACTIVE	2531	WEIR
4709501310	GREYLOCK OPCO, LLC	L. L. JAMES 3	ACTIVE	5490	BENSON
4709500830	GREYLOCK CONVENTIONAL	PRATT, A. E ESTATE J-314	ACTIVE	5136	BENSON
4709501200	DIVERSIFIED GAS & OIL PLC	PRATT, ELDON & NANCY JK-1310	ACTIVE	4927	BENSON
4709501669	DIVERSIFIED GAS & OIL PLC	LONG 1	ACTIVE	5175	BENSON
4709501223	DIVERSIFIED GAS & OIL PLC	JENKINS 1 334-S	ACTIVE	4954	BENSON
4709501150	DIVERSIFIED GAS & OIL PLC	GREGG 1	ACTIVE	4795	BENSON
4709500676	RITCHIE PETROLEUM CORPORATION, INC.	BRADFORD, HATTIE 1	ACTIVE	2466	WEIR
4709501495	DIVERSIFIED GAS & OIL PLC	THACKER 2	ACTIVE	5180	BENSON
4709501557	KEY OIL COMPANY	BURGESS 1	ACTIVE	5321	BENSON
4709502664	CNX	SHR 37 IHSM	ACTIVE	<nul></nul>	MARCELLUS SHALE
4709502666	CNX	SHR 37 HHSM	ACTIVE	<null></null>	MARCELLUS SHALE
4709502665	CNX	SHR 37 FHSM	ACTIVE	<null></null>	MARCELLUS SHALE
4709502667	CNX	SHR 37 DHSM	ACTIVE	<null></null>	MARCELLUS SHALE
4709502668	CNX	SHR 37 EHSM	ACTIVE	<null></null>	MARCELLUS SHALE
4709502669	CNX	SHR 37 GHSM	ACTIVE	<null></null>	MARCELLUS SHALE



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

SHR37 M2	Pad Frac SOG Review / Pad Risk Review	Wednesday, October :	dnesday, October 13, 2021			
Api10	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationAtTD	
4701700014	RITCHIE PETROLEUM CORPORATION, INC.	DOTSON, ARLINGTON 2	INACTIVE	1845	INJUN	
701704186	RITCHIE PETROLEUM CORPORATION, INC.	BRAKE, SAMUEL J.	INACTIVE	2000	INJUN	
701704570	BLACKROCK ENTERPRISES, LLC	SHEPHERD, MICHAEL	INACTIVE	UNKNOWN	UNKNOWN	
701702356	RITCHIE PETROLEUM CORPORATION, INC.	SHEPHERD, N. 1	INACTIVE	2303	WEIR	
701771423	(N/A)	N MILLER	INACTIVE	UNKNOWN	UNKNOWN	
701771425	(N/A)	ARLINGTON DOTSON	INACTIVE	UNKNOWN	UNKNOWN	
701771423	(N/A)	E M JACKSON	INACTIVE	UNKNOWN	UNKNOWN	
701771433	HOPE NATURAL GAS CO.	ELIAS THOMAS	INACTIVE	UNKNOWN	UNKNOWN	
701771435	HOPE NATURAL GAS CO.	WAGNER	INACTIVE	UNKNOWN	UNKNOWN	
701771439	BRADWATER	SAMANTHA COX	INACTIVE	UNKNOWN	UNKNOWN	
701771455	PHILADELPHIA OIL CO	F DOTSON	INACTIVE	UNKNOWN	UNKNOWN	
701771455	CARTER OIL CO	DOTSON, FINLEY	INACTIVE	UNKNOWN	UNKNOWN	
The second secon	(NA)	DOTSON, MCKENDRY	INACTIVE	1961	UNKNOWN	
701770065	HOPE NATURAL GAS CO.	E A HENDERSHOT	INACTIVE	1800	UNKNOWN	
701730056			NACTIVE	2060	BIG INJUN (UNDIFF	
701730278	HOPE CONSTRUCTION & REFINING	E M JACKSON	INACTIVE	1795	UNKNOWN	
701730335	JJ GRAHAM AGT ET AL	S YEATER	INACTIVE	2012	BIG INJUN (UNDIFF	
701730949	DROPPLEMAN, J. P.	ARLINGTON DOTSON		1973	BIG INJUN (UNDIFF	
701731194	HICKMAN, CHARLES L.	CISCO DOTSON	INACTIVE	The second secon	UNKNOWN	
701771427	LUCAS	MARY MONTGOMERY	INACTIVE	UNKNOWN	And the second second second second	
701771434	HOPE NATURAL GAS CO.	WAGNER	NACTIVE	UNKNOWN	UNKNOWN	
701771436	(N/A)	MCCUTCHAN-HAINES	NACTIVE	UNKNOWN	UNKNOWN	
701771447	HOPE NATURAL GAS CO.	LAWRENCE JAMES	INACTIVE	UNKNOWN	UNKNOWN	
701771448	(N/A)	S YEATER	INACTIVE	UNKNOWN	UNKNOWN	
701730443	CLIFTON OIL & GAS	MCKENDRY DOTSON	INACTIVE	1882	UNKNOWN	
701730102	DEEM, F S	OKEY WASHBURN	NACTIVE	1987	UNKNOWN	
701730182	(N/A)	FINLEY DOTSON	INACTIVE	1899	BIG INJUN (UNDIFF	
4701771437	HOPE NATURAL GAS CO.	MCCUTCHAN-HAINES	INACTIVE	UNKNOWN	UNKNOWN	
4701771438	(N/A)	B HENDERSHOT	NACTIVE	UNKNOWN	UNKNOWN	
701730101	DEEM, F S	HENDERSON WALTON	INACTIVE	1880	UNKNOWN	
701730160	HOPE NATURAL GAS CO.	E A HENDERSHOT	NACTIVE	1930	BIG INJUN (UNDIFI	
4701771428	(N/A)	CISCO DOTSON	INACTIVE	UNKNOWN	UNKNOWN	
4701771429	(N/A)	CISCO DOTSON	NACTIVE	UNKNOWN	UNKNOWN	
4701771431	(N/A)	ALFRED DOTSON	INACTIVE	UNKNOWN	UNKNOWN	
701771440	HOPE NATURAL GAS CO.	SAMANTHA COX	NACTIVE	UNKNOWN	UNKNOWN	
701730184	PHILADELPHIA OIL CO	FINLEY DOTSON	NACTIVE	2682	UNKNOWN	
701730277	HOPE CONSTRUCTION & REFINING	E M JACKSON	NACTIVE	1978	UNKNOWN	
701730286	CLIFTON OIL & GAS	LEWIS MAXWELL HEIRS	NACTIVE	2142	UNKNOWN	
709501177	GREYLOCK CONVENTIONAL	JAMES, LAWRENCE & THELMA 2483	INACTIVE	5517	RILEY	
4709530126	CARNEGIE NATURAL GAS CO	J A EXLINE	NACTIVE	2045	UNKNOWN	
709530160	HOPE CONSTRUCTION & REFINING	E M JACKSON	NACTIVE	UNKNOWN	UNKNOWN	
709530830	HOPE NATURAL GAS CO.	WILLIAM SMITH	INACTIVE	2922	BIG INJUN (UNDIFI	
709530158	HOPE CONSTRUCTION & REFINING	E M JACKSON	NACTIVE	UNKNOWN	UNKNOWN	
709530391	DEEM, F S	A GORRELL DOAK	INACTIVE	2968	BIG INJUN (UNDIFI	
709530600	HOPE NATURAL GAS CO.	W P BRADFORD	INACTIVE	2495	UNKNOWN	
4709530393	DEEM. F.S	A GORRELL DOAK	INACTIVE	2110	UNKNOWN	
4709530520	HOPE NATURAL GAS CO.	A GORRELL DOAK	NACTIVE	2105	BIG INJUN (UNDIFF	
4709530890	HOPE NATURAL GAS CO.	ROBERT DOAK	NACTIVE	UNKNOWN	UNKNOWN	
4709550001	DORVA CORP.	J A EXLINE	NACTIVE	2178	UNKNOWN	
4708550001	DURVA CURP.	J A EXLINE	INACTIVE	2178	UNKNOW	



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

Api10	CurrentOperator	WellName	CurrentStatus	TotalDepth	FormationAtTD
4701700022	EASTERN GAS TRANSMISSION AND STORAGE, INC	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	(N/A)	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	1096	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



Site Safety Plan for Wells SHR37KHSM CNX Gas Company, LLC.

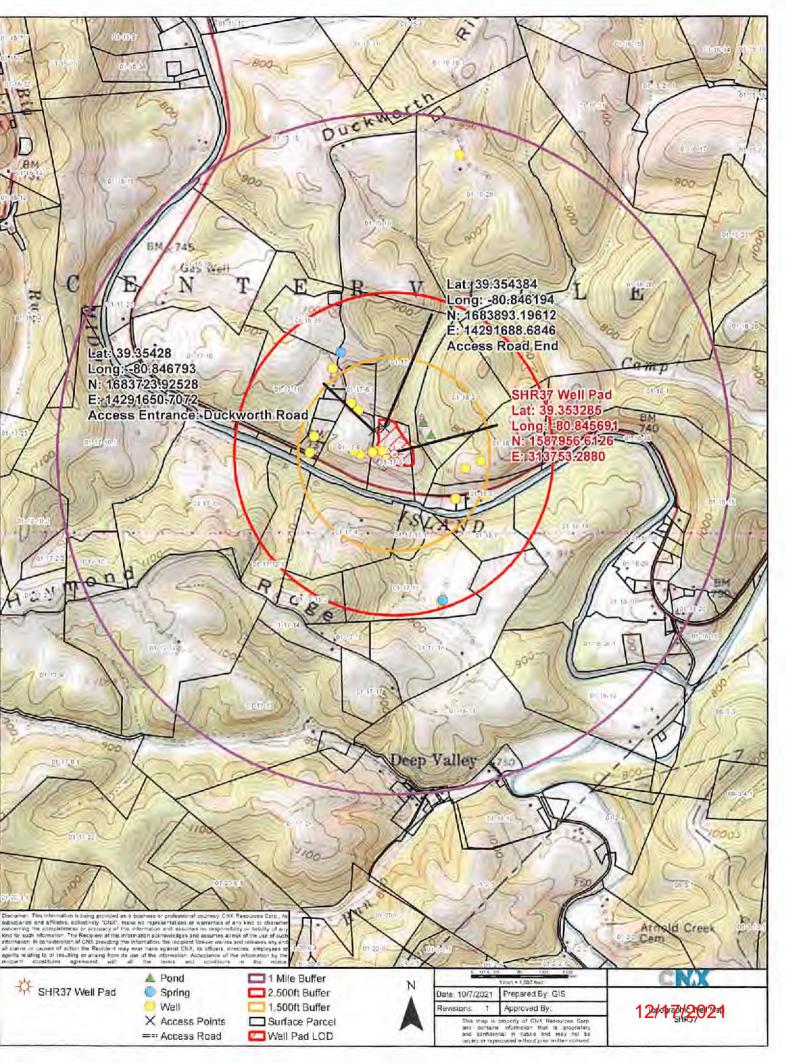


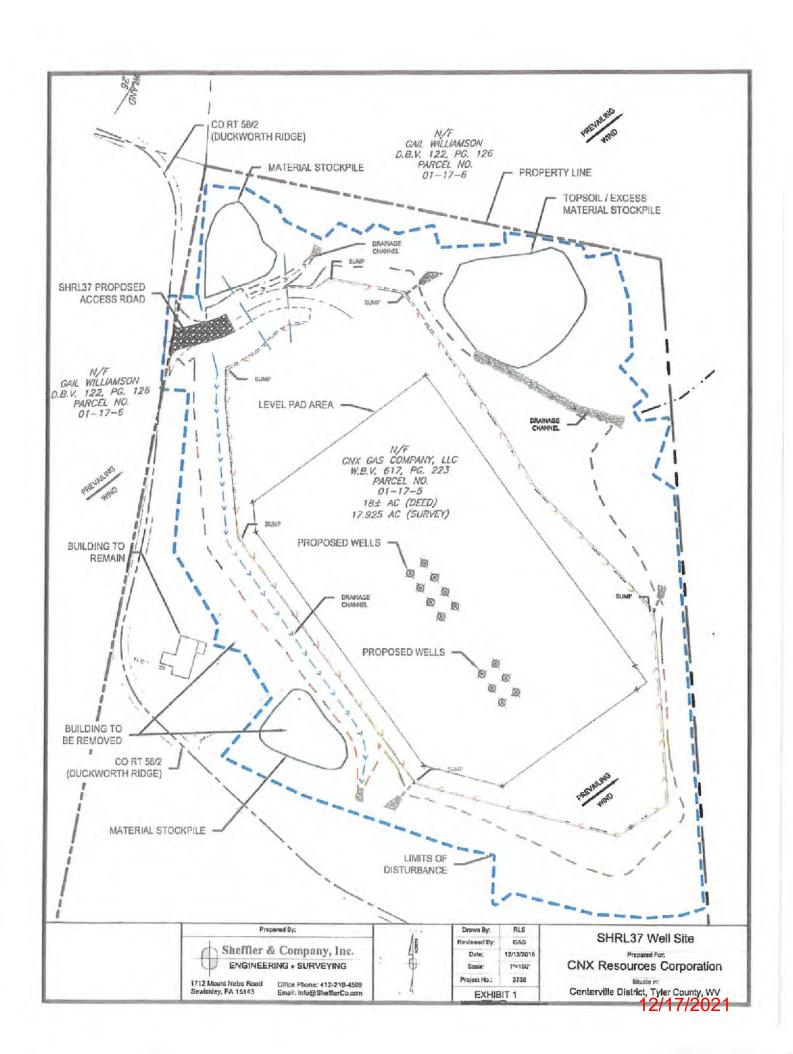
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Operator's Well No. SHRATKHSM STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

PLUIDS/ CUTTINGS DISPOS	AL & RECLAMATION PLAN
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? Yes 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	To If so, what ml.? NA
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
	umber 47-001-00561, 47-097-01514, 47-097-01613, 34-013-2-0609
Off Site Disposal (Supply form WW-9	01671, WDTN5XHSM 47-081-01872, WDTN5ZHSM 47-061-01873, WDTN19 wells API TED)
Other (Explain No Pits	to disposal location)
Will closed loop system be used? If so, describe: Yes	
Drilling medium anticipated for this well (vertical and horizontal)	Air, freshwater, oil based, etc. Ventoat all from appulaturface to curve high-off point (KDP).
-If oil based, what type? Synthetic, petroleum, etc. Synth	Horizontal: synthesic oil-based mud (SOBM) from curve KOP to lateral TD etic
Additives to be used in drilling medium? Bactericide, Polymers, and	Weighting Agents
Drill cuttings disposal method? Leave in pit, landfill, removed off	SITC. Ctc. Land Application of self-conductor outlings only, all other cuttings will be taken to an expressed Landfill
-If left in pit and plan to solidify what medium will be use	
-Landfill or offsite name/permit number? See attached.	Content, Illie, savaday 1871
Permittee shall provide written notice to the Office of Oil and Gas West Virginia solid waste facility. The notice shall be provided wi	of any load of drill cuttings or associated waste rejected at any
where it was properly disposed.	and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West Virgin provisions of the permit are enforceable by law. Violations of ar law or regulation can lead to enforcement action.	accurate, and complete. I am aware that there are significant
Company Official Signature Dawh Weigen	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 Member, Pennsylvenia Association of Notaries
worther brown trans Country of	Jah-yth Member, Permayivenia Association of Notation
Subscribed and sworn before me this day of	ve n.501 20 21
pelperca zachwieja	Notary Public
My commission expires Macmber 7 200	Protein Public Cragin Congin Blevins Blevins Blevins 11:10:22-05:00

Field Reviewed?

(_____) Yes

(_____) No

Form WW-9		Operator's	Operator's Well No. SHR37KHSM			
CNX Gas Company,	LLC					
Proposed Revegetation Treatm	ent: Acres Disturbed	5.57 Prevegetation	pH 6.5			
Lime according to pH t	est Tons/acre or to corre	ect to pH 7.0				
Fertilizer type 10-20)-20					
Fertilizer amount 500	0	lbs/acre				
Mulch hay or strat	w @ 2	_Tons/acre				
		Seed Mixtures				
Tem	porary	Per	manent			
Seed Type	lbs/acre	Seed Type	lbs/acre			
Orchard Grass	25	Orchard Grass	25			
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15			
Ladino Clover	10	Ladino Clover	10			
Photocopied section of involve	d 7.5' topographic sheet.					
Plan Approved by:	agin Blevins Date: 2021.11.06 11	Cragh Blevios 1:1052-0500*				
Comments:						
7						
*						
Title: Environmental Res	sources Specialist	III Date: 11/8/2021				

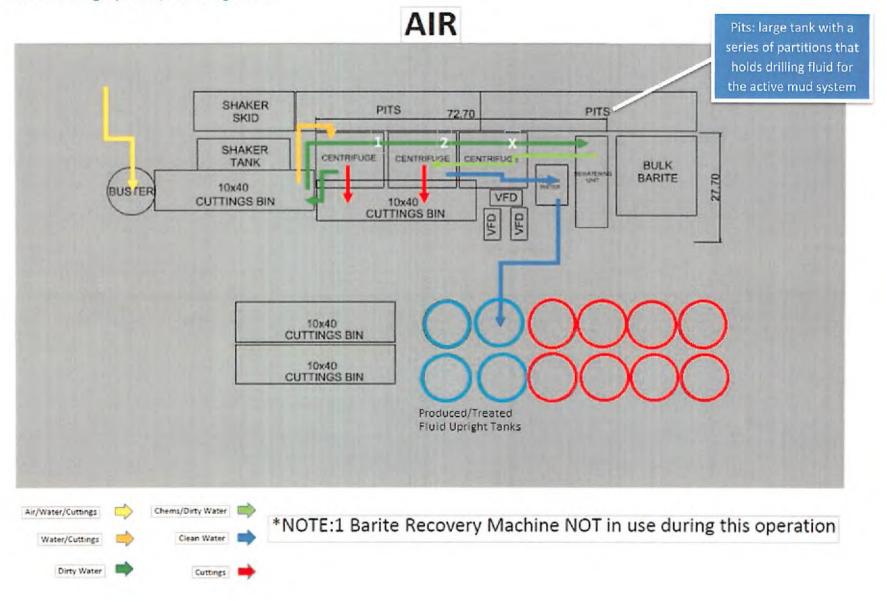
Type of Waste	Disposal Company Name	Disposal Location	Disposal Location	Coo Well ID / Name	Permit # (If applicable)	Accepted Waste Streams	Disposal Company Contast Informat
Dalas Inlastics Transactus	Land All Suppose 1 and 1	2326 McClellandtown Road,			WMGR GP No. 1235W001 WQM Industrial Waste Permit No		Rob Bealko 304-291-0383 Office 305-282-8514 Cell
Frine Injection - Treatment	Appalachian Water Services (Neverra Environmental Solutions)	Masontown, PA 15461	-79.924786	Appalachian Water	2508201 A-2	Pirine (Produced Water) and only water from compressor stations.	rob.bealko@nuverra.com Office: 740-609-3800
RW & TEHORM	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40.105200, - 80.711630	N/A	N/A	Non-radioactive material, low level radioactive material, (NORM/TENGRAM), and high level TENDINA material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysis/lab.	Jack Bernent CEO Austin Master Services LLC 355 Chris of Progress Politicism PA, 13464 Phi:1283 704-2744 Fac 446 45-505 Office: 740-609-3800
illrine Injection - Treatment	Austin Master Services	801 N 1st St, Martins Ferry, OH 43935	40 105200, 80,711530	N/A	N/A	Brine (Produced Water)	Jack Bement CEO Austin Master Services LLC 355 Circle of Progress Potsstown PA, 19464 Phi[585] 704-2744 Fac: 484 624-5506*
RW & TENORM	Belmont Solids Control	78405 Cadiz-New Athens Rd. Cadiz, OH 43907	40.233830, - 81.009300	WA	N/A	Mon-radioactive material, low level radioactive material, (NORM/TENDRM), and high level TENDRM material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/festing analyse/lab.	Dave Brown 412-848-1826 Mark Winsap 330-692-0423; dbrown@ApeatF.com
	Cambrian Well Services • Kemble	Zanezwille, Muskingum	39.978954,	Kemble 1-D		and the state of t	Bob Orr 740-796-6495
Brine Injection - Treatment	(Orr Petroleum Corporation)	County, Perry Township, OH	-81.845389 37.087460,-	(SWIIWIES)	34-119-2-8780	Brine (Produced Water)	614-648-8858 orrpetro@gmail.com
Srine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82.047918 37.7227201,-	BPC01	VAS2D960BBUC	CNX Dwned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Irine Injection - Treatment	CMX Resources Corporation	Buchaman County, VA	81.959987 37.184198, -	N26	VASZD9308BUC	CNX Owned UICSWIWs: Free water, brine, produced water	Contact Ops Groups
trine Injection - Treatment	CHX Resources Corporation	Buchanen County, VA	82,082549 37,120547, -	U7	VASZD926BBUC	CNX Owned UIC SWIWs: Frac water, brine, produced water	Contact Ops Groups
Brine Injection - Treatment	CNX Resources Corporation	Russell County, VA	81.961222 37,147934, -	AMIIAA	VASZD9708RUS	CNX Owned UIC SWTWs: Frac water, brine, produced water	Contact Ops Groups
Irine Injection - Treatment	CNX Resources Corporation	Buchanan County, VA	82,075320	Ball Well	VASSZD9Z18BUC	CNX Owned UIC SWIWI: Frac water, brine, produced water	Contact Ops Groups Wes Mossor
				Order No. 2015-452:			General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
Irine Injection - Treatment	Deephock Disposal Solutions	Washington County, Warren Township, OH	39.425278,+ 81.502379	No. 2 Well; SWIW No. 20	API # 34-167-2-9543-00-00		Office, 740.371.5078 ext. 206 CeR:
			oadotor 3		NCT II SPELIO PER SALAMONDO	oring fundanted Mater)	304.588.0936 Wes Mossor General Manager wwsm@deeprockds.com DeepRock Disposal Solutions LLC
irine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Warren Township, OH	39.425172,- 81.507900	Order No. 2015-582; Heinrich Unit #2 Well, SW/W No. 22	API N 34-167-2-9464-00-00	Brine (Produced Water)	Office: 740.371.5078 ext. 206 Cell- 304.588.0936
				Order No. 2015-581;			Wer Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
rine Injection - Treatment	Deep Rock Disposal Solutions	Washington County, Warren Township, OH	39.429867, - 81.511020	Heinrich Unit #1 Well, SWIW No. 21	API # 34-167-2-9445-00-00	Brine (Produced Water)	Office: 740.371.5878 ext. 206 Cell: 304.585.0936
				Order No. 2019-79; American Growers			Wes Mossor General Manager wesm@deeprockds.com DeepRock Disposal Solutions LLC
rine Injection - Treatment	DeepRock Disposal Solutions	Washington County, Marietta Township, OH	39.402842, - B1.476913	No. 1 Well, SWIW No. 26	API#34-167-2-9766-00-00	Brine (Produced Water)	Office: 740.371,5078 ext. 206 Cell; 304,588,0936

							Michael Chapin: Ph. 740-763-3966 Cell 740-403-9664 tantrummr@aol.com
Brine Injection - Treatment	EGO Water Selutions LLC	5367 E. State Street, Newcomerstown, OH 43832	40.283293, - 81.578068	Mazens #1 Well (SWIW #13)	API# 34-157-2-5511	Brine (Produced Water)	Robert Schenken Director Business Development HydroEdge Solutions Wisconsis White Sand rischenken@hydroedgesolutions.co Coll 412.295,3614
				Pattison Trust No.	4-10-11-11-11-11		Bryan Force Mobile: 412,289,0069
Brine Injection - Treatment	Environmental Energy Services LLC (Force, Inc.)	Muskingum County, Perry Township, OH	39.973643, - 81.825727	1-D (SWIW #30)	API# 34-119-2-8803	Brine (Produced Water)	Office: 724.465,9399 bforce@forceincorporated.com
Brine injection - Treatment	Environmental Energy Services LLC [Force, inc.]	Barnsville, Belmont County, OH	NEED	Bargsville (SWIW #2)	34-013-2-0609 UIC#609	Frac water, brine, produced water	Bryan Force Mobile: 412.289,0069 Office: 724,465,9399 bforce@forceincorporated.com
Brine Injection - Treatment	Gas Field Services, Inc.	200 Camp Creek Road, Camp Creek, WV 25820	37,495138, -81.105161	Camp Creek Disposal Well	UIC. UIC200550319 API: 47-055-00319	Class II injection fluids that are in connection with conventional all or gas production and may be commingled with waste waters from gas pients unless those waters are classified as hazardous wastes at the time of injection.	Zachery Reed zacheryr4@yshoo.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	29.908611, - 80.141111	Waynesburg Facility	WMGR1235Wm10	Oil and Gas Fluids with minimal oil and sollds present	Gary Carpenter 267-246-6176 JRBGCarpenter@sol.com
				seeling and themsel	W MONEZA HOLD	Non-radioactive material, low level radioactive material, (NORM/TENORM), and high level TENORM to sterial handling,	Office: (330) 270-9900
RW & TENORM	Ground Tech LLC	240 Sinter Court, Youngstown, OH 44510	41.113260, - 80.674500	N/A	N/A	storage, downblending, transport/loading to rail, tank deening, radiological sampling/testing analysis/lab.	330-398-5919 Ichamberlain@hrc-inc.com
Brine Injection - Treatment	Hydro Recovery	S72 Route 18 Burgettstown PA 15021	40.422574, - 80.426125	Burgettstown Facility	WARRENT TO SCHOOL	Olf and Gas Fluids with minimal oil and solids present	Ashley Cromley 570-394-4450 Ashley.cromley@hydrorecoveryip.m
		1521 Wetzel County Landfill Rd		Wetzel County		Gas Specific Waste Streams: Drill Cuttings/Frac Sand, Waste liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum/Construction & Demolition Waste,	Terry Gedd terry.gedd@jpmascaro.com, 610-6
Non-Haz Disosal	Mascare & Sons- Wetzel Co LF	New Martinsville, WV 26155	N/A	Landfill	N/A	Industrial Weste, Process Weste, Municipal Solid Waste	4133 Tom Meinert
RW & TEHORM	Mud Masters LLC	64054 Wintergreen Rd Lore City, OH 43725	40.027531,- B1.449219	N/A	N/A	Mon-radioactive material, low level radioactive material in MORM/TENORM), and high level TENORM material handling, storage, and transport. (EMORM downleading of low level TENORM material (\$ 85 pC) on-site. High level TENORM (\$ 85 pC) on-site. High level TENORM (\$ 85 pC) on-site. Matthe Matter Services in Martins Ferry, Ohlo by Ground Teds).	740-255-0357 heavymuthtasters@gmall.com Billing Address: 739 Southgate Pkwy, Cambridge, 0 43725
Non-Haz Disosal	Noble Environmental Landfül (Former Westmore and Weste)	111 Conner Lane, Belle Vernon, PA 15012	N/A	Hoble / Westmoreland Sanitary Landfill		Gas Specific Waste Streams. Brill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction 8. Demolition Waste, Industrial Waste, Fribble Asbestos, Non-Fribble Asbestos, Municipal Solid Waste.	Customer Service: (724) 929-7694
		7675 East Pike Norwich, Ohio		. (.)		Mon-TENORM wastes including cement water and all or water based drilling mud only. Are not to accept waste that is known to	
NW & TENORM	Pressure Tech		39.97415, -81.844765	N/A	N/A	have elevated levels of TENORM or compressor station water. Mon-hazardous wastewater, transportation, treatment and	614-648-8898
Dily & Oily Water Treat - Recycle	Osole	515 Industrial Blvd., Wooster, OH 44591	N/A	N/A	N/A	disposal facility. Also offer transportation and solidification services.	330-264-8080 (O) Interefrquein.us.com
		11 Boggs Rd, Imperial, PA				Gas Specific Waste Streams; Drill Cuttings/Frec Sand, Waste Uners, Other Accepted Waste Streams; Contaminated Soli Uncluding Petroleum), Construction & Demolition Waste, Industrial Waste, Studge, Friable Athestos, Non-Friable	tack Falermo - ipalermo @republicaervicas.com. 3
Ion-Haz Discsal	Republic Services - Imperial (Allied Waste of PA)	15126	N/A	Imperial Landill	N/A	Asbestos, Municipal Solid Waste	536-7575 Matt Xleinski
irine Injection - Treatment	Reserved Environmental Services (RES)	Mt. Pleasant, PA 15665	40.219555, • 79.606388	New Stanton Facility	WMGR1235W005	Oil and Gas Fluids with minimal oil and solids present	B14-574-9701 mklcinski@reswater.com Mait Kicinski
rine Injection - Treatment	Reserved Environmental Services (RES)	506 Lippencott Road Waynesburg, PA 15370	39.945555, - 30.140833	Waynesburg Facility	WMGR1235W031	Oil and Gas Fluids with minimal oil and solids present	814-574-9701 mklclaski@reswater.com
azzedous Waste Disposal	Safety Rieen	10 Industrial Park Drive Wheeling, Wv. 26003	N/A	Wheeling Landfill	N/A	RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB Soll/Debris, Non-Hazardous Wastes, Asbestos Waste, Solidification Services	Gordon Cooper Gordon.cooper@safety-kleen.com 304-215-2284
		173 Industrial Park La., Beech				Approved for non-haz water treatment of oil & water mix. Also offer transportation and solidification services. Capable of other	1-866-670-9034 Joe Staton: 717-360-7916 Office: 801-223-1251

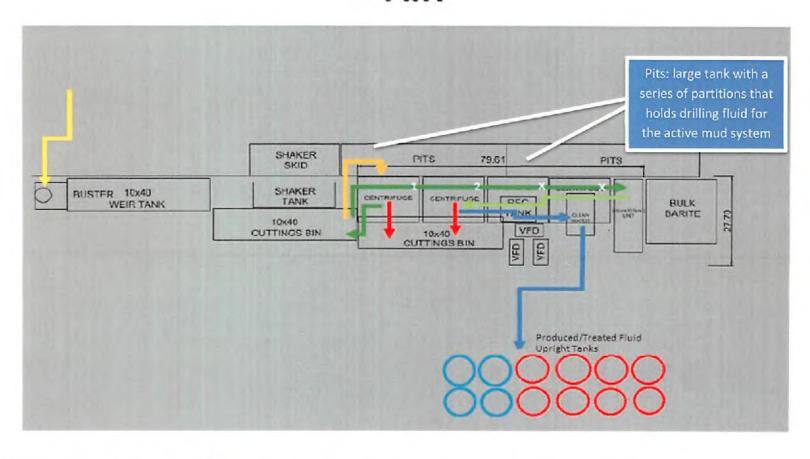
RW & TENORM	Smales Sheld Salusians (Samuel Very Class)	41540 National Road	ADDEDT - BLOVAC	W/A	N/A	Mon-actions material, low level radioactive material (NORM/TENDRM) material handling, storage, downblending, transport/loading to rail, tank cleaning, radiological sampling/testing analysin/lab. Non-radioactive material & radioactive material handling (NORM/TENDRM), solids separation, material downblending, rank cleaning, radiological sampling/testing analysis/leb. Liquid/semi-solids treatment and storage analysis/leb.	Orin David Orin.david@trooclean.com 9 a13.6476
NW & IENURM	Empire Fluid Solutions (Formerly Trop Clean)	Belmont, OH 43718	40.0687, 81.04963	N/A	NIA	separation for waste disposal.	413-6426 Corporate Number: 734-442-2353 Gry Turturice gturturice@valicor.com
Olly & Olly Water Treat - Recy	cle 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 antifreeze only.	304-963-1563 Steve Atkinson SAtkinson@valicor.com
		7916 Chapel St.SE.				Ges Specific Weste Streams: Brill Cuttings, Weste Liners, Other Accepted Weste Streams: Contaminated Soll (Including Petroleum)Construction & Demolition Weste, Industrial Weste, Sludes, Frieble Absentos, Non-Fishle Absence, Process Weste,	Customer Service, 1 (868) 909-44! Mark A Thomas: 412-522-0610, mthome 15@wm.com Tom Sarnsworth: C. 330-204-424!
Non-Haz Disosal	Waste Management - American Landfill	Waynesburg, OH 44688	R/A	American Landfill	N/A	Solidification Services, Municipal Solid Waste Gas Specific Waste Streams: Drill Outlings, Waste Liners, Other	TFarnswo@wm.com Customer Service 1 (866) 909-44
		200 Rangos Ln, Washington,				Gas Specime Waste Streams: Orn Outputs, waste Liners, Other Accepted Waste Streams: Contaminated Soli (Including Petroleum), Construction & Demolition Waste, Industrial Waste, Sludge, Process Waste, Solidification Services, Municipal Solid	Mark A Thomas: 412-522-0610, mthoma: 15@wm.com Tom Farasworth: C- 330-204-424-
Non-Haz Disosal	Waste Management - Arden Landfill	PA 15301	N/A	Arden Landfill	N/A	Waste	TFernswe@wm.com
Non-Huz Disosal	Waste Management - Evergreen Landfill	1310 Luciusboro Rd, Elairsville, PA 15717	N/A	Evergreen Landfill	N/A	Gas Specific Waste Streams. Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum), Construction R. Demolition Waste, Industrial Waste, Municipal Solid Waste.	TFernswo@wm.com
Non-Haz Disosel	Waste Management - Kelly Run	1500 Hayden Blvd, Elizabeth, PA 15037	N/A	Kelly Run Landfill	N/A	Gas Specific Waste Streams: Drill Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soll (Including Petroleum), Construction B. Demolition Waste, Industrial Waste, Sludge, Process Waste, Selidification Services, Municipal Solid Waste	Customer Service: 1 (866) 309-44 Mark A. Thomas: 412-522-0610, mthoma:15@wm.com Tom Farnsworth: C- 330-204-424 Tearnswo@wm.com
Non-Her Disorel	Waste Management - Mehoning Landfill	3510 E Gerfield Rd, New Springfield, DH 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-Frieble Asbestor, Process Waste, Municipal Soild Waste	Customer Service: 1 (866) 909-4- Mark A Thomas: 412-522-0610, inthoma 15@win.com Tom Farnsworth: C- 330-205-42/ TFernswo@win.com
		1485 Dawson Dr. Bridgeport,				Gas Specific Waster Streams: Drill Cuttings, Waster Liners, Other Accepted Waste Streams: Contaminated Soil (Including Patroleum) Construction & DemoRilon Waste, Industrial Waste, Sludge, Friable Asbestos, Non-Friable Asbestos, Process Waste,	Customer Service, 1 (866) 909-4: Mark A. Thomas: 412-522-0610; mthoma 15@wm.com Tom Farnsworth: C- 330-204-42/
Non-Haz Disosal	Waste Management - Meadowfill Landfill	WV 26330	N/A	Meadowfill Landfill	NIA	Solidification Services, Municipal Solid Waste RCRA/TSCA Waste, PCB Transformers & Capacitors, PCB	IFernswo@wm.com Unda Davie: 716-286-0365
Hazardous Waste Disposal	Waste Management - Model City	1550 Balmer Rd Youngstown, NY 14174	N/A	Model City Landfill	N/A	Scil/Debris, Non-Hazardous Wastes, Asbestos Waste, Scilification Services	or 716-754-8231 or 800-963-4776
The second secon			-		7	Gas Specific Waste Streams: Orlif Cuttings, Waste Liners, Other Accepted Weste Streams: Contaminated Soil (Including Petroleum)Construction & Demoition Waste, Industrial Waste,	Customer Service. 1 (866) 909-4 Mark A. Thomas: 412-522-0610, mthema15@wm.com
Nen-Haz Disosal	Waste Management - Northwestern Landfill	510 Dry Run Rd, Parkersburg, WV 26104	M/A	Northwestern Landfill	NA	Siddge , Process Waste, Solidification Services, Municipal Solid Waste	Tom Farnsworth: C- 330-204-42- TFarnswo@wm.com
		12.2				Gas Specific Waste Streams: Orli Cuttings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including	Customer Service: 1 (866) 909-4 Mark A. Thomes: 412-522-0610 mthoma15@wm.com
Non-Hitz Discon	Waste Management - S&S Grading Landfill	4439 Good Hope Pike, Clarksburg, WV 25301	N/A	S&S Grading Landfill	N/A	Petroleum/Construction & Demoiltion Waste, Industrial Waste, Sludge, Process Waste, Municipal Solid Waste	Tom Fernsworth: C- 330-204-42 TFarnswo@wm.com
		3100 Hill Rd, South Park				Gas Specific Waste Streams: Drill Outlings, Waste Uners, Other Accepted Waste Streams: Construction & Demolition Waste, Industrial Waste, Studge, Process Waste, Solidification Services,	Customer Service: 1 (886) 909-4 Mark A Thomas: 412-522-0610 mthoma15@wm.com Tom Farnsworth: C- 330-204-42
Non-Haz Disasal	Waste Management - South Hills (Arnoni)	Township, PA 15129	N/A	South Hills Landfill	N/A	Municipal Solid Waste	TFarnswo@wm.com
		SUIS Pleasant Valley Rd.				Gas Specific Waste Streams: Drill Curtings, Waste Liners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum). Construction & Demolition Waste, Industrial Waste, Sindge, Frisble Abbertos, Non-Frisble Abbertos, Process Waste,	Customer Service, 1 (866) 909-4 Mark A. Thomas: 412-522-0510, mthoma 15@wm.com Tom Farnsworth: C-330-204-42-
Non-Har Dismust	Watts Management - Valley Landfill	Irwin, PA 15642	N/A	Valley Landfill	MIA	Solidification Services, Municipal Solid Waste	Transworth: 0-350-204-42

Discovery like mandamentary	takes ex Fluid Management Solutions (FMS)	5445 US-40 East, Triadelphia, WV 26059	40.06886 -80.51492	NA	N/A	Cement Water, Oil Base, Driff Mud, Water Base, Celler Clean Outs ex. Also they do washouts and they have storage capacity at 2000bb for 10th brine and 10.5th brine.	Kevin Flaherty (412) 973-2586
Non-Haz Disosal	Republic Services - Carbon-Umestone**	8100 S State Line Rd, Lowellylle, OH 44436	N/A	Carbon-Limestone Landfill	N/A	Gas Specific Waste Streams: Orlil Cuttings, Waste Uners, Other Accepted Waste Streams: Contaminated Soil (Including Petroleum)Construction & Demolston Waste, Industrial Waste, Studge, Process Waste, Solldification Services, Mundicipal Soild Waste "Ohlo "TENORM" - requires Radium 226/228 analysis by load before leaving the well pad, Soild waste landfills in Ohlo can only accept TENORM waste with combined concentration lets than 5 ploocuries per gram above the natural background level.	Jack Palermo - jpalermo@republicservices.com, 35 536-7575
Non-Haz Disosal	Republic Services - Short Creek	North Fork Short Creek Road, Wheeling, WV 26003	н/л	Short Creek Landf語	N/A	Ges Specific Waste Streams: Drill Cuttings/Frec Sand, Waste Liners, Other Accepted Waste Streams; Contaminated Soll (including Petroleum), Construction & Demolition Waste, industrial Waste, Studge, Process Waste, Municipal Solid Waste	Jack Palermo - jpalermo@republicservices.com, 33 536-7575
Non-Hez Disposal	MOXI Environmental Services LLC	2619 Old Trail Road Abingdon, VA 24210				Spencerto complete	John Twilddy johnt@molinc.com 276-628-6636 ext. 202; 276-608-000 Cell
Non-Haz Disposal	Waste Management - Chestnut Ridge	385 Harr Lr, Blountville, TN 37617				Spencerta complete	Travis Maryanski tmeryanski@wm.com (865) 388-7279 Cell (205) 652-8137 Tech Service

Air - 3 centrifuges present, 2 centrifuges used

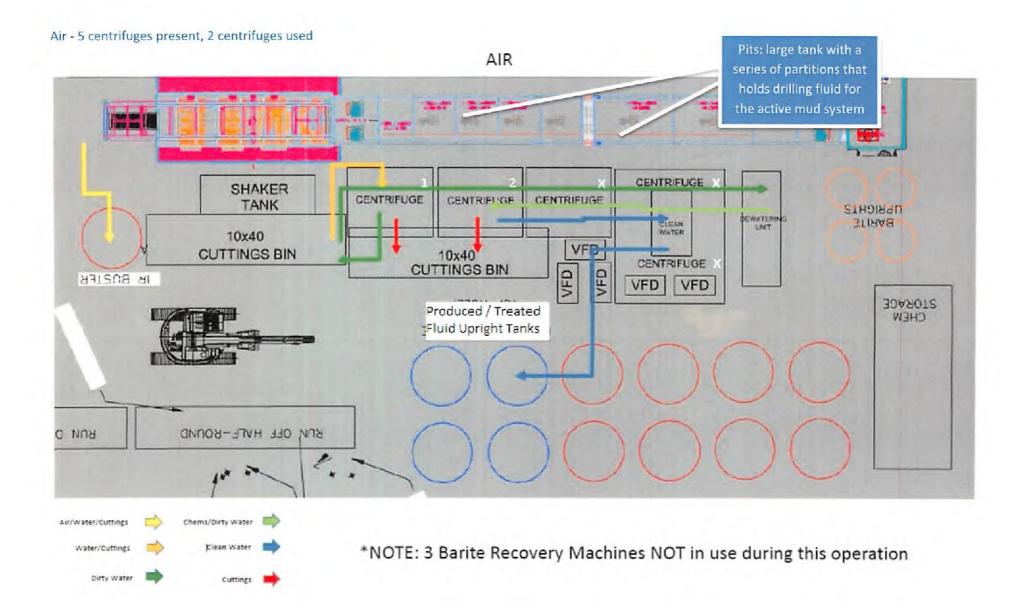


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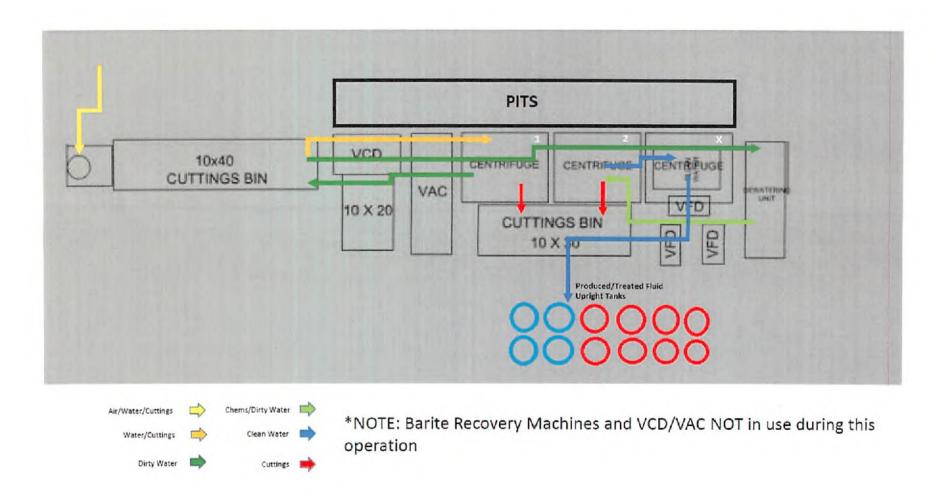




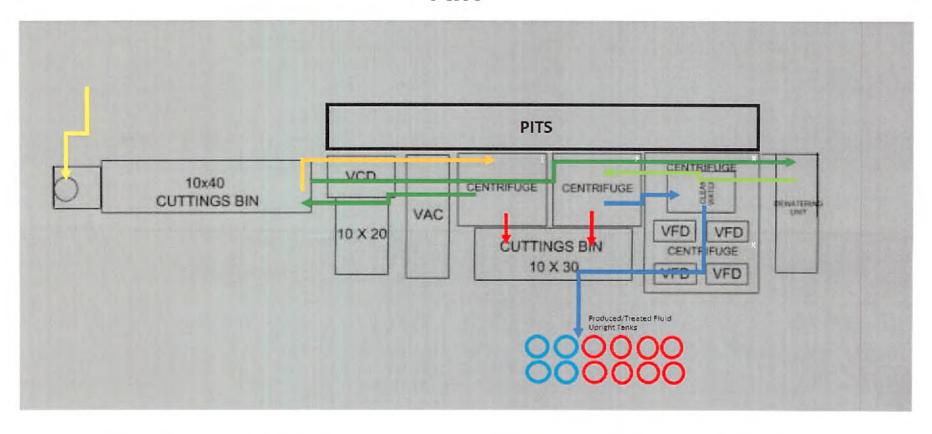
*NOTE: 2 Barite REcovery Machines NOT in use during this operation.



AIR



AIR

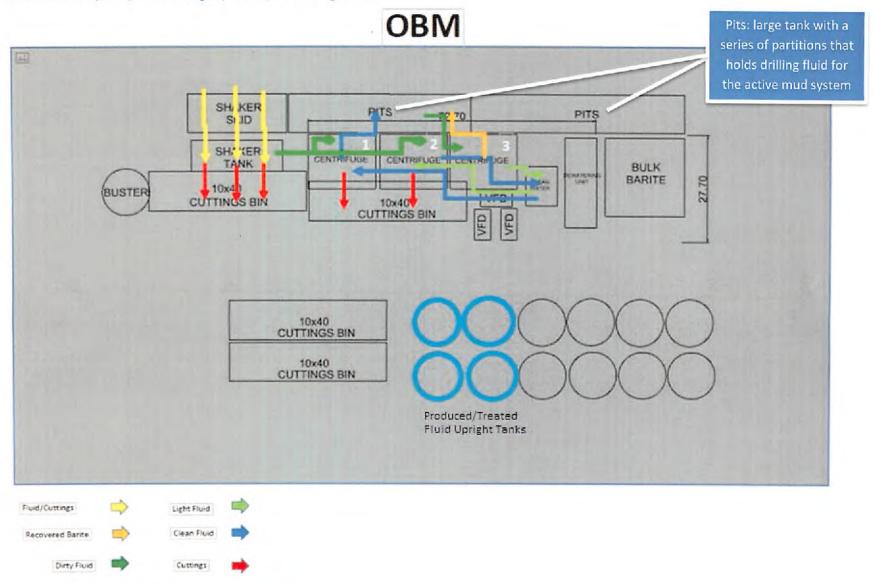




*NOTE: Barite Recovery Machines and VCD/VAC NOT in use during this operation

Exhibit B Mud Schematic

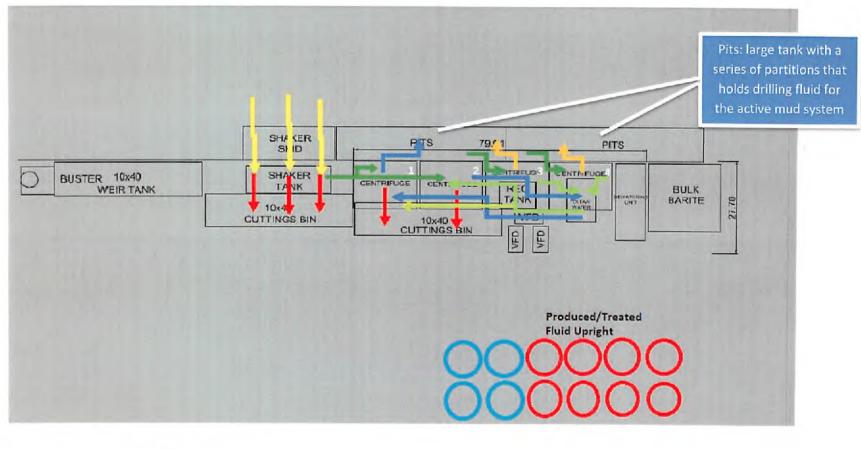
Oil Based Mud (OBM) - 3 centrifuges present, 3 centrifuges used



Oil Based Mud (OBM)

10/20/2020 revision

OBM

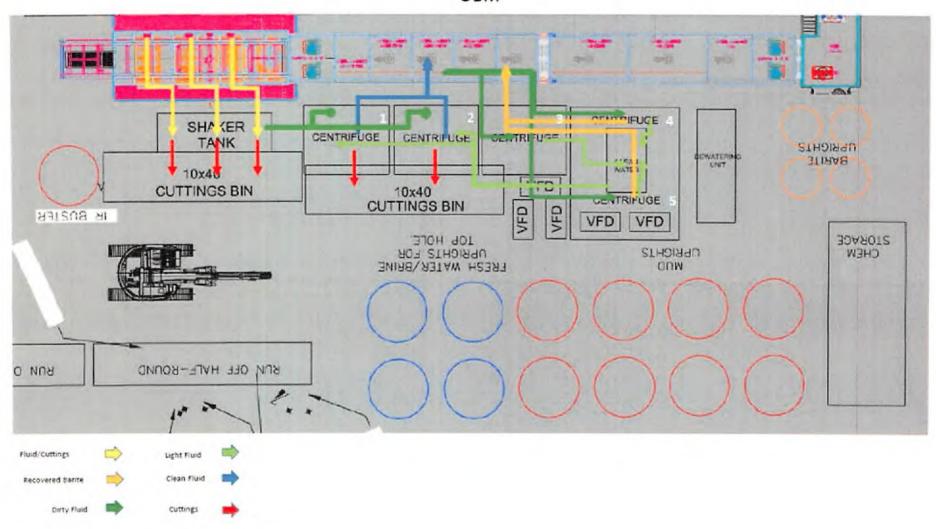




Oil Based Mud (OBM)

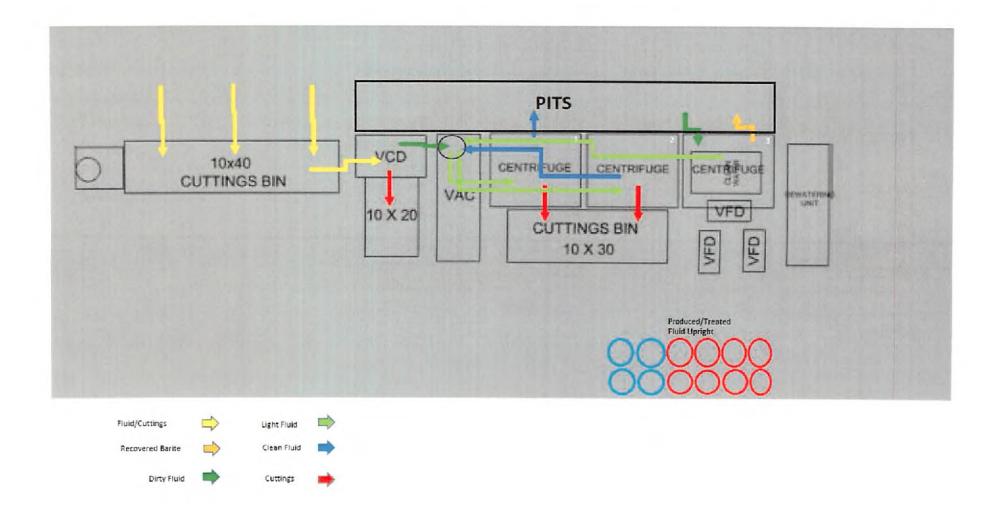
10/20/2020 revision

Pits: large tank with a series of partitions that holds drilling fluid for the active mud system

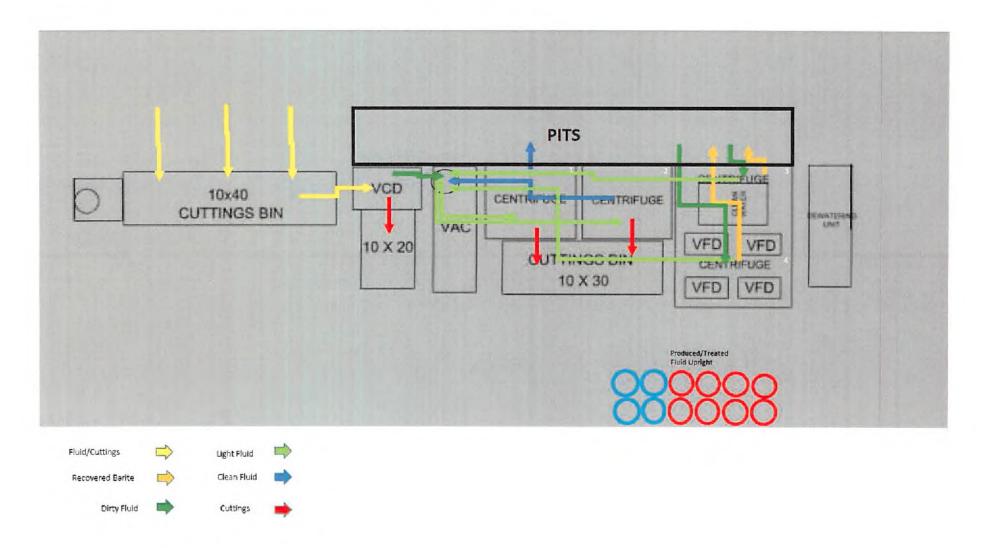


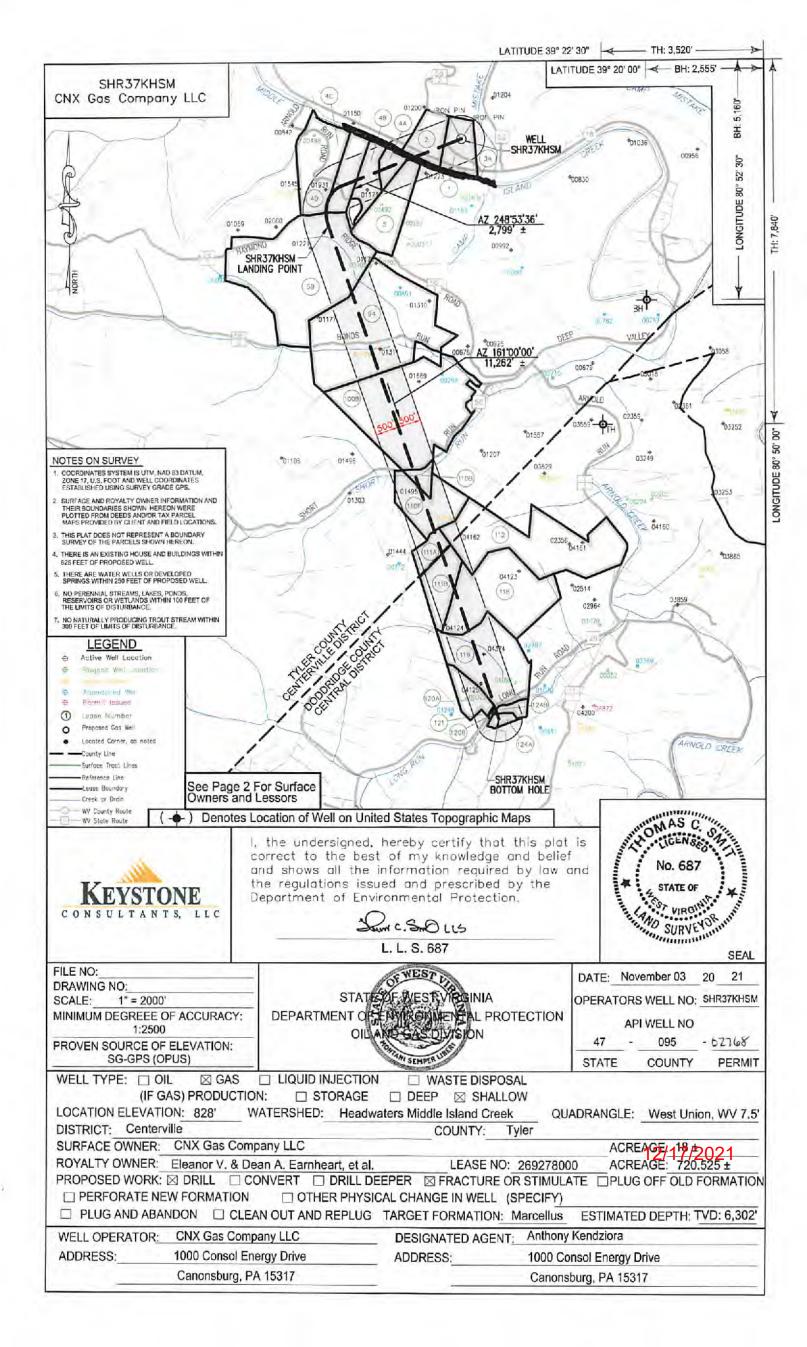
Oil Based Mud (OBM)

OBM



OBM





CURTICIA				
SHR37KHSM CNX Gas Company Ll	C PAGE 2 OF 6			
SURFACE OWNER	LESSOR	PIN 1-17-5		\
1 CNX GAS COMPANY	Eleanor V. Earnheart and Dean A. Earnheart, W/H Clella Boice, widow	1-17-5	01200♥	£01204
	Luella I, McConnell, widow Agnes Godwin, widow		150	SHR37KHSM
	Nancy P. McClain and Ralph E. McClain, W/H Georgia P. Snyder, divorced	=		2500'
	Bradie Pipes and Goldie Pipes, H/W Pursie Pipes and Norma J. Pipes, H/W	30 11		
	Dorothy Belle Wells and Byron Wells, W/H	3 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Wanda Weekley, widow Myrna Morgan and David Morgan, H/W		\.e.	,
2 Gall Williamson	Eleanor V. Earnheart and Dean A. Earnheart, W/H Clella Boice, widow	1-17-6	00492	01167
	Luella I. McConnell, widow Agnes Godwin, widow	-	+00267	0)107
	Nancy P. McClain and Ralph E. McClain, W/H Georgia P. Snyder, divorced	=		1" = 2000'
	Bradie Pipes and Goldie Pipes, H/W			00993
	Pursie Pipes and Norma J. Pipes, H/W Dorothy Belle Wells and Byron Wells, W/H		Well Re	ferences
	Wanda Weekley, widow Myrna Morgan and David Morgan, H/W		1,041,14	
	Reva D. Rowland aka Reva Rowland and Ronald Royce Rowland			
West Viginia Division of Natural Resource 3A		Middle Island Creek	IRO	ON PIN
27			N27**5'1	9"W RON PIN
dA James R Sr. & James R Jr. Underwood & Mitzle Johnson	Mattie Dotson Flint	1-17-12.1	554	1
	Aris Hope Jack Parker, AIF for Colen C. Jack Linda K. Bright aka Unda Bright			N33'35'36"E
	Viola M. Trenton aka Viola Trenton Judy Schillace and Nicholas Schillace, W/H	-		<u></u> ←45½'
	William Christopher Taylor and Cynthia Taylor, H/W Maryless Haymond and Floyd Haymond, W/H		1" = 1000	TO A CONTRACT OF THE CONTRACT
	Gayla A. Baach fka Gayla A. Hickman			SURFACE HOLE LOCATION (SHI UTM 17 NAD 83
	Helen Louise Hickman aka Holen L. Hickman fka Holen Louis Leasure, by her AIF, Frances Louise Bunner aka Frances L.	*		N: 4356014.57B
	Bunner Ruby Newton	=		E: 513287.726 NAD 83, WV NORTH
	Cheryl L. Tadsen fka Cheryl L Gill and James F. Tadsen, W/H Berbara J. Davis aka Barbara Davis	4		N: 313709.139
	Cindy A. Gill aka Cynthia Ann Gill David M. Gill aka David Michael Gill and Catherine J. Gill aka	1		E: 1587963.819 LAT/LON DATUM NAD 83
	Cathy Gill, H/W Terry R, Washburn aka Terry Washburn and Joy D. Washbur			LAT: 39° 21° 12,509°
	H/W	23		LON: 80° 50′ 44.798′
	Jean Kuchenbecker aka Nellie Jean Kuchenbecker ika Nelli Jean Hickman and William Kuchenbecker, W/H	2		UTM 17 NAD 83
	James Albert Taylor Judy Webb fka Judy Newbrough			N: 4355432,813 E: 512416,539
	Cledith H. Davis Linda L. Catona fka Linda L. Sellers			NAD 83, WV NORTH
	8. Pauline Murphy fika 8. Pauline Moore Denver Hickman			N: 311847.772 E: 1585073.137
	Delmas Hickman Donna D. Hart	7		LAT/LON DATUM NAD 83
	Howard W. Smith aka Bill Smith			LAT: 39° 20' 53,684"
	Amanda L. Davis Connie Sue Maxwell and Michael Mayne Maxwell, W/H			LON: 80° 51' 21.237'
	Alex Craig Smith aka Alex C. Smith and Bobbie Smith, H/W. Eric Scott Smith		SHR 37 WELL PAD	BOTTOM HOLE LOCATION (B) UTM 17 NAD 83
	William Gene Stone Emerson C. Davis, II		_SHR370HSM	N: 4352207,393 E: 513,587,699
	Theodore K. Davis and Jill Davis, H/W Michael P. Davis	=	SHR37NHSM SHR37PHSM	NAD 83, WV NORTH
	Martha Jill Holliday Juli Edith Germany		SHR37MHSMO SHR37QHS	M N: 301199,323 E: 1588739,704
	Rimberly Wilcox and Danny Wilcox, W/H		SHR37KHSMO SHR37R	LAT/LON DATUM NAD 83
	Matthew Storm Shirley L. Urbanowicz aka Shirley L. Quinn fka Shirley L.	- 1	SHR37LHSMO	LAT: 39" 19" 08,991" LON: 80" 50' 32,542"
	Hickman and John Quinn, W/H Deanns Zirkelbach fka Deanna Stamper and Tommy	- 1		EGIT OF ID GLIDA
	Zirkelbach,W/H Ronald Sessier			MAS C
KEYSTONE CONSULTANTS,	I, the undersigned, correct to the best and shows all the the regulations iss Department of Environment	t of my knowle information req ued and prescri vironmental Prot	uired by law and bed by the ection.	No. 687 STATE OF SURVEYOR
		L. L. S. 687		SEA
ILE NO:		WEST.	DATE: 1	November 03 20 21
RAWING NO:	CTA-	SVOETNIESE VINC	-	
SCALE: 1" = 1000'		OF WEST VINGI	OI LIVITOI	S WELL NO: SHR37KHSM
INIMUM DEGREE OF ACC 1:2500	URACY: DEPARTMENT OF	ENVIRONMENTA	Service Constitution of	API WELL NO
ROVEN SOURCE OF ELEV	(ATION:	AND GAS DIVISIO	N 47	- 095 - 02768
NGS CORS Station	**************************************	STANI SEMPERUBE	7.0	
20 11, 10 3 31 31, 100			STATE	COUNTY PERMI
	☐ GAS ☐ LIQUID INJECTION ☐ STORAGE	☐ WASTE DI		
	328' WATERSHED: Headw		SHALLOW OLLADBANGL	E: Most Usion MAZ
DISTRICT: Centerville	WATERSHED. Headw	the state of the s		E: West Union, WV 7.
the second secon	Gas Company LLC	COUNTY		REAGE2/187±/2021
The state of the s		1616		
	nor V. & Dean A. Earnheart, et al. RILL □ CONVERT □ DRILL D			REAGE: 720.525 ±
□ PERFORATE NEW FOR				LOG OFF OLD FORMATIO
		CAL CHANGE IN WE		TED DEDTIL TUD. C 22
	☐ CLEAN OUT AND REPLUG			TED DEPTH: TVD: 6,30
WELL OPERATOR: CN>	C Gas Company LLC	DESIGNATED A	GENT: Anthony Kendziora	
ADDRESS: 1000	Consol Energy Drive	ADDRESS:	1000 Consol Energ	
- 11 - 1- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ionsburg, PA 15317		Canonsburg, PA 1	
- 341			Sunolisburg, 1 A 1	77.11

PAGE 3 OF 6

48	SURFACE OWNER Kimberly Ridgeway	LESSOR Nethen Josephs	PIN 1-17-3
	The state of the s	Mattie Dotson Flint	
c	Vimbodu Didas	Aris Hope Jack Parker, AIF for Colen C. Jack	1.17.5
0	Kimberly Ridgeway Kimberly Ridgeway	Nathan Josephs Nathan Josephs	1-17-3
	James R Sr. & James R Jr. Underwood &	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey	1-17-12
A	Mitzie Johnson	Doak and 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	
		Tribune Resources Minerals, LLC fka Ascent Resources Marcellus Minerals, LLC	
	Andrew ESmith	Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey	1-17-2.4
В		Doak and 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	
В	CNG Transmission Corporation		1-17-12
8	James R Sr. & James R Jr. Underwood & Mitzie Johnson		1-17-12.
	INFIZIE JOHNSON	Tribune Resources Minerals, LLC, Ascent Resources Marcellus	
		Minerals, LLC	
14	George W Ash	Donna J. Griffith and Jecob Paul Griffith Peggy A. Bumpass	1-17-13
		Laura Jean Suddreth	
		Michael R. Burk Janet Cliff Pitts	
		Paul Conger and Mary Conger	
		Debbie Hileman and Mark A. Hileman	
		Jeffrey A. James and Maria J. James William Patrick James and Dianne James	
		Pamela Fern Friedman	
		Dwight Eugene Sturm	
		Anna Colleen Presley aka Colleen Presley Patricia G. Doty	
		Philip Wayne Sturm	
		Lisa Schafer Carol Elaine Higgins and Everett Higgins aka Everett W.	
		Higgins	
		Michael James and Vicky L James	
		Doris J. Bee and Livingstone S. Bee Jill Robin Thompson and Kelvin Thompson	
		Jock Jeffrey Pitts aka Jock J. Pitts and Deborah M. Pitts	
		David Eugene Bersebach Judith Adams fka Judith Diane Poling and Clifford Adams	
		Denise Gambill aka Denis K. Gambill	
		Gregory R. Mercer	
		James W. Schumacher and Lisa B. Schumacher Larry O. Schumacher and Kathleen M. Schumacher	
		Lori Hufstedler	
		Mary Jane Schumacher Bryan Bumgarner and Lisa D. Bumgarner	
		Patricia Ruth Heater, By Paul Eugene Heater, Jr. FOA	
		Sheryl Groves	
		Waco Oil and Gas Co., Inc. Gregory Sellers aka Greg Sellers and D. Lee Seller	
		James Lindsey	
		Betty Lewis and Douglas C. Lewis	
		Robert Groves and Carol J. Groves Ann Adel Gosney	
		Kimberley Abrecht fka Kimberly Gene Pitts	
		C. Gloria Atkinson aka Gloria Atkinson and Charles W. Atkinson	
		Matthew Pitts	
		Boda Family Trust, by Margaret E. Boda, Co-Trustee by Wanda	
		L. Boda, POA and Wand L. Boda Co-Trustee Kathryn Stephens	
		Nicholas R. Lucas	
		Tyler Pitts	1
		Linda J. Franz Terri Ann Suddreth	
		Ernest M. Sharp	
		Thomas Lee Suddreth Michael Allan McGlasson	1
		Carol Groves	1
		AMP Fund II, LP	1
		Deanna L. Weese Gary Alan Listoe	1
		Lorraine E. Gildenborn	1
		James C. Pierce, Jr.	
		Jan B. Crawford Julie K. Walsh	
		Don Leray Pierce	1
		Kathleen McCluskey	-
		Christopher Scott Power Beverly J. Collins	
		Sandra Gail Stevens, nee Power	
		Harold Hunt Power Trust U/A/D 7/29/2004 Antero Minerals, LLC	-
008	Charles M Young Jr & Crystal R Young	Margaret E. Doak	1-17-24
800	Ronald & Frances Hurst	Robert L. Doak and Aline Doak, h/w	1-17-24
		Donna Jean Long Waco Oil and Gas Co., Inc.	
		Norma Long, widow	
108	James R & Tricia Mushinsky	Ina M. Montgomery, AIF, for Leslie E. Montgomery and Ina M. Montgomery, H/W	1-20-6.2
		Mildred M. Stevens, widow and Cleryl B. Ash. Sr., single	
		Sam Horton and Carol Horton, H/W, Frank Butler and Molly	
		Butler, H/W, Edward Mullooly, single Ralph Thacker and Betty Thacker, H/W, J. Maurice Carlisle and	
		Mary Ann Carlisle, H/W	
_	Itamas O S Telefo Marchine	Kenneth R. Mason and Jennifer L. Mason, H/W Ina M. Montgomery, AIF, for teslie E. Montgomery and Ina M.	1-20-6
10F	James R & Tricia Mushinsky	Ina M. Montgomery, AIF, for Leslie E. Montgomery and Ina M. Montgomery, H/W	1-70-6
		Mildred M. Stevens, widow and Cleryl B. Ash, Sr., single	
		Sam Horton and Carol Horton, H/W, Frank Butler and Molly Butler, H/W, Edward Mullooly, single	
		Ralph Thacker and Betty Thacker, H/W, J. Maurice Carlisle and	
			1
		Mary Ann Carlisle, H/W	-
		Wato Oil and Gas Co., Inc. Kenneth R. Mason and Jennifer L. Mason, H/W	

12/17/2021

KEYSTONE CONSULTANTS, LLC

API WELL NO

47 095 - 02768 COUNTY PERMIT STATE

SURFACE OWNER	LESSOR
Antero Midstream LLC	Jeffrey S. Anderson
Richard F McCullough	Braxton Minerals III, LLC Robin D. Frazer
	Pavlo Lynn Hedglin, heir of I. S. Dotson
	Valerie L. Burkhart, heir of I. S. Dotson
	Matthew Morgan Gangwer
	Michael Chancellor Gangwer
	Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W
	Lynida Britton Darbes
	Richard M. Swadley and Ellen V. Swadley, H/W Randall Swadley
	Jason Baldwin, aka Jason D. H. Baldwin, heir of Savannah
	Hensler Teresa Rush and Ronal W. Rush, W/H
	John Robert Snaman
	Robert F. Montgomery Maria Cecilia G. Muller, heir of Ramona Duty
	Thomas Wade Bush
	Daniel John Bush
	Richard J. Bush Ronald G. Bush
	Elizabeth Duty Samson, aka Elizabeth Duty
	Alfredo E. Gallardo, Jr.
	Albert Duty, aka Albert E. Duty
	Francis D. Bautista Rachel G. Escobedo
	Corazon J. Bautista
	Virginia C. Bautista
	Norma C. Campbell
	Edward O. Ferrebee and Diane H. Ferrebee, H/W
	Clarence N. Leggett Donna Sue Luh
	Hermenegilda T. Bautista
	Howard Parke Leggett
	William Andrew Hatfield
	Marie Christine Brinks, nee Castro, heir of John Boyd Duty
	Joseph James Sarasua
	Kelly M. Somervill Kevin M. Somervill
	Dominic Luciano, Jr.
	Lawrence Lester Dotson
	Twila Wilson
	Larry Wilson
	Russell Wilson
	Hershell Wilson Roger Swadley
	Michael Hensler
	Jennifer Betts
	Michael Hensler
	Sharon Swadley Winkler
	Stephen Swadley Joleen McMillion
	Donald Montgomery
	Katherine Montgomery
	Jose Bautista
	Michael A. Dotson
	William J. Dotson
	Paula Nancy Bautista aka, Sr. Ma. Teresa Bautista Wilma Belle Duty
	Donna Wright
	Mary Maxine Dolles
	Robert Berl Dotson
	Cynthia Somervill Modlin
	Annette Taylor Joseph C. Buckman and Beth Ellwanger Buckman, H/W
	John Bennett
	Karen Woodward
	Charles Somervill and Barbara Somervill, H/W
	Stevie Somervill, Jr.
	Johnathan Warren Ash, aka Jonathan Warren Ash Michelle Elizabeth Lyons
	Erica Lora Henry
	Lisa Dawn Mullooly
	Thomas Edward Mullooly II
	Lisa Joette Chambers
	Frank Butler
	Sam Horton John Luciano
	Ryan Taylor Henry
	Carl Luciano
	James Luciano
	Donna Luciano Hall
	Melanie Jean Hartman
	Wayne Alexander Sarasua
	Elizabeth Hogan, fka Elizabeth Mae Oliver Natasha Marie Ash aka Natasha M. Wolfe
	Morris Mountaineer Oil and Gas LLC
	The Sidney Austin Smith Trust, LLC, by Security National Trus
	Company, Manager
	J.W. Kerns Heirs Trust, by United Banks, Successor Trustee Robert Mitchell Oliver
	David Oliver Sarasua
	Isabelle C. Quinn
	Jenny Sarasua

12/17/2021



API WELL NO

47 - 095 - 02768

STATE

COUNTY

PERMIT

SURFACE OWNER	LESSOR Leffroy S Anderson
Antero Midstream LLC	Jeffrey S. Anderson Braxton Minerals III, LLC
Richard F McCullough	Robin D. Frazer
	Pavio Lynn Hedglin, heir of I. S. Dotson
	Valerie L. Burkhart, heir of I. S. Dotson
	Matthew Morgan Gangwer
	Michael Chancellor Gangwer Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/V
	Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H.V.
	Lynida Britton Darbes
	Richard M. Swadley and Ellen V. Swadley, H/W
	Randall Swadley
	Jason Baldwin, aka Jason D. H. Baldwin, heir of Savannah Hensler
	Teresa Rush and Ronal W. Rush, W/H
	John Robert Snaman
	Robert F, Montgomery
	Maria Cecilia G. Muller, heir of Ramona Duty
	Thomas Wade Bush Daniel John Bush
	Richard J. Bush
	Ronald G. Bush
	Elizabeth Duty Samson, aka Elizabeth Duty
	Alfredo E. Gallardo, Jr.
	Albert Duty, aka Albert E. Duty
	Francis D. Bautista
	Rachel G. Escobedo Corazon J. Bautista
	Virginia C. Bautista
	Norma C. Campbell
	Edward O. Ferrebee and Diane H. Ferrebee, H/W
	Clarence N. Leggett
	Donna Sue Luh
	Hermenegilda T. Bautista Howard Parke Leggett
	William Andrew Hatfield
	Marie Christine Brinks, nee Castro, heir of John Boyd Duty
	Joseph James Sarasua
	Kelly M. Somervill
	Kevin M. Somervill
	Dominic Luciano, Jr. Lawrence Lester Dotson
	Twila Wilson
	Larry Wilson
	Russell Wilson
	Hershell Wilson
	Roger Swadley
	Michael Hensler Jennifer Betts
	Michael Hensler
	Sharon Swadley Winkler
	Stephen Swadley
	Joleen McMillion
	Donald Montgomery
	Katherine Montgomery Jose Bautista
	Michael A. Dotson
	William J. Dotson
	Paula Nancy Bautista aka, Sr. Ma. Teresa Bautista
	Wilma Belle Duty
	Donna Wright
	Mary Maxine Dolles
	Robert Berl Dotson Cynthia Somervill Modlin
	Annette Taylor
	Joseph C. Buckman and Beth Ellwanger Buckman, H/W
	John Bennett
	Karen Woodward
	Charles Somervill and Barbara Somervill, H/W
	Stevie Somervill, Jr. Johnathan Warren Ash, aka Jonathan Warren Ash
	Johnathan Warren Ash, aka Jonathan Warren Ash Michelle Elizabeth Lyons
	Erica Lora Henry
	Lisa Dawn Mullooly
	Thomas Edward Mullocly II
	Lisa Joette Chambers
	Frank Butler
	Sam Horton John Luciano
	Ryan Taylor Henry
	Carl Luciano
	James Luciano
	Donna Luciano Hall
	Melanie Jean Hartman
	Wayne Alexander Sarasua
	Elizabeth Hogan, fka Elizabeth Mae Oliver Natasha Marie Ash aka Natasha M. Wolfe
	Natasha Marie Ash aka Natasha M. Wolfe Morris Mountaineer Oil and Gas LLC
	The Sidney Austin Smith Trust, LLC, by Security National Tru
	Company, Manager
	J.W. Kerns Heirs Trust, by United Banks, Successor Trustee
	Robert Mitchell Oliver
	David Oliver Sarasua
	Isabelle C. Quinn
	Jenny Sarasua

12/17/2021

KEYSTONE CONSULTANTS, LLC

API WELL NO

47 - 095 - 02768

STATE COUNTY

PERMIT

SHR37KHSM CNX Gas Company LLC PAGE 6 OF 6

	SURFACE OWNER	LESSOR	PIN	
112	Lonnie C James	Ullie 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		
118	Antero Midstream LLC	Cisco Dotson and Lola B. Dotson, his wife; and Isiah S. Dotson	1-2-6	
119	Antero Midstream LLC	Arlington Dotson and Zoe Dotson, H/W	1-4-1	
119	Melissa A Shepard		1-4-1.4	
119	James E Shepard II		1-4-1.5	
119	Michael Shepard		1-4-10	
	James E Shepard II	Franklin L Butler	1-3-2	
120A		77.00	1-3-2.1	
			1-3-2.2	
		Lisa Dawn Mullooly		
		Thomas E. Mullooly, II	1	
		Lisa J. Chambers		
120B	James E Shepard II	Franklin L. Butler	1-3-2	
		Lisa Dawn Mullooly		
		Thomas E. Mullooly, II	1	
		Lisa J. Chambers		
121	West Virginia Department of	West Virginia Department of Transportation, Division of	Unknown	
121	Transportation, Division of Highways ET AL	Highways		
124A	Michael Shepard	McKendry Dotson and Mattie Dotson, H/W	1-4-10	
124B	Michael Shepard	McKendry Dotson and Mattie Dotson, H/W	1-4-10	
		Arlington Dotson and Zoe Dotson, H/W		

12/17/2021

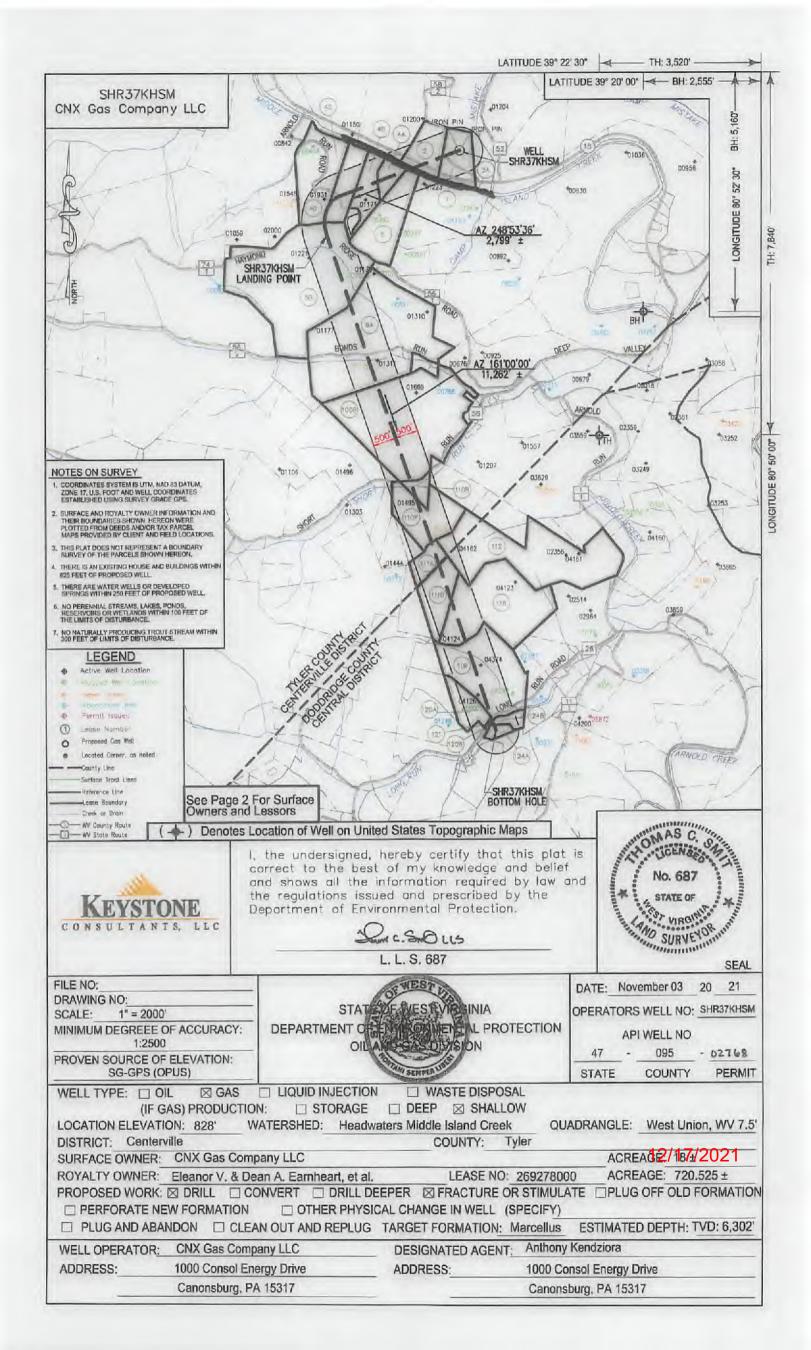


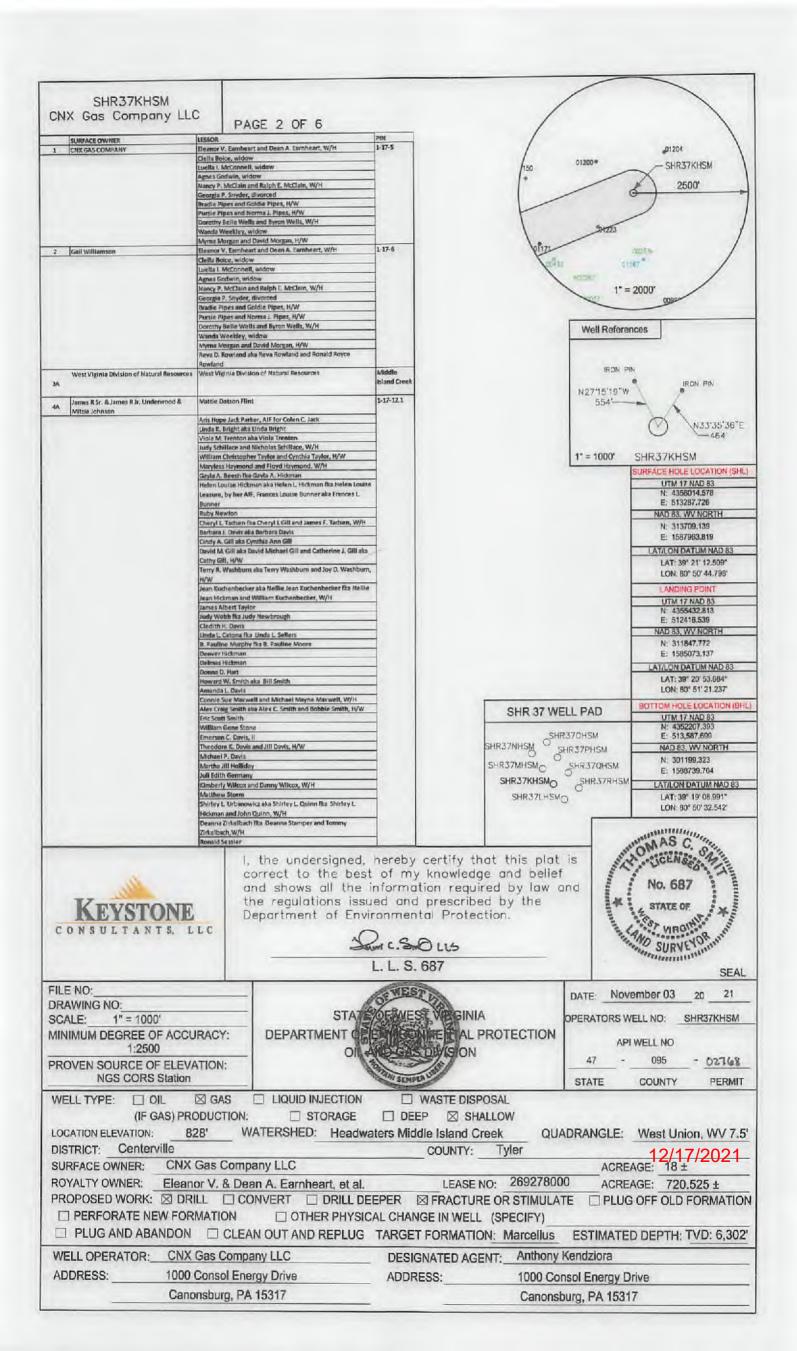
API WELL NO

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- 02768 PERMIT

STATE COUNTY





SHR37KHSM CNX Gas Company LLC PAGE 3 OF 6

48	SURFACE OWNER Kimberly Ridgeway	LESSOR Nathan Josephs	1-17-3
		Mattie Dotson Flint	
	Turn transfer	Aris Hope Jack Parker, AIF for Colen C. Jack	
4C 4D	Kimberly Ridgeway	Nathan Josephs	1-17-3
·U	Kimberly Ridgeway James R Sr. & James R Jr. Underwood &	Nathan Josephs Sarah E. Doak, Austin Doak, and Myrtle E. Doak, H/W, Dorsey	1-17-12
	Mitzie Johnson	Doak and Sarah E. Doak, H/W, Oliver A. Doak, Kirby D. Doak,	T. 11.17
A		Ida Lemasters and Elzy Lemasters, W/H, Myrtle White and	
		Jasper White, W/H	
П		Tribune Resources Minerals, LLC fka Ascent Resources	
	Andrew ESmith	Marcellus Minerals, LLC Sarah E Doak Austin Doak and Mustle E Doak HAW Dorsey	1-17-2.4
	Andrew Esmith	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,	1-1/-24
5B		Ida Lemasters and Elzy Lemasters, W/H. Myrtle White and	
		Jasper White, W/H	
5B	CNG Transmission Corporation		1-17-12
5B	James R Sr. & James R Jr. Underwood &		1-17-12.
36	Mitzie Johnson		
		Tribune Resources Minerals, LLC, Ascent Resources Marcellus	
94	George W Ash	Minerals, LLC Donna J. Griffith and Jacob Paul Griffith	1-17-13
_	Lucuige 11 Mai	Peggy A. Bumpass	
		Laura Jean Suddreth	
		Michael R. Burk	
		Janet Cliff Pitts	
		Paul Conger and Mary Conger	
		Debbie Hileman and Mark A, Hileman	
		Jeffrey A. James and Maria J. James William Patrick James and Dianne James	
		Pamela Fern Friedman	
		Dwight Eugene Sturm	
		Anna Colleen Presley aka Colleen Presley	
		Patricia G. Doty	
		Philip Wayne Sturm	
		Usa Schafer	
		Carol Elaine Higgins and Everett Higgins aka Everett W.	
		Michael James and Vicky L James	
		Doris I. Bee and Livingstone S. Bee	
		Jill Robin Thompson and Keivin Thompson	
		Jock Jeffrey Pitts aka Jock J. Pitts and Deborah M. Pitts	
		David Eugene Bersebach	
		Judith Adams Fka Judith Diane Poling and Clifford Adams	
		Denise Gambill aka Denis K. Gambill Gregory R. Mercer	
		James W. Schumacher and Lisa B. Schumacher	
		Larry O. Schumacher and Kathleen M. Schumacher	
		Lori Hufstedler	
		Mary Jane Schumacher	
		Bryan Bumgarner and Lisa D. Bumgarner	
		Patricia Ruth Heater, By Paul Eugene Heater, Jr. POA	
		Sheryl Groves Waco Oil and Gas Co., Inc.	
		Waco Oil and Gas Co., Inc. Gregory Sellers aka Greg Sellers and D. Lee Seller	
		James Lindsey	1
		Betty Lewis and Douglas C. Lewis	
		Robert Groves and Carol J. Groves	
		Ann Adel Gosney	
		Kimberley Abrecht fka Kimberly Gene Pitts	
		C. Gloria Atkinson aka Gloria Atkinson and Charles W. Atkinson	
		Matthew Pitts	
		Boda Family Trust, by Margaret E. Boda, Co-Trustee by Wanda	1
		L. Boda, PDA and Wand L. Boda Co-Trustee	
		Kathryn Stephens	
		Nicholas R. Lucas	
		Tyler Pitts	-
		Unda J. Franz	-
		Terri Ann Suddreth	1
		Ernest M. Sharp Thomas Lee Suddreth	1
		Michael Allan McGlasson	
		Carol Groves	
		AMP Fund II, LP	
		Deanna L. Weese	
		Gary Alan Listoe	-
		Lorraine E. Gildenhorn	-
		James C. Pierce, Jr.	-
		Jan B. Crawford Julie K. Walsh	1
		Don Leroy Pierce	1
		Kathleen McCluskey	
		Christopher Scott Power	
		Beverly J. Collins	
		Sandra Gail Stevens, nee Power	
		Harold Hunt Power Trust U/A/D 7/29/2004	
-	Photographic and constitution	Antero Minerals, LLC	1-17-24
900	Charles M Young Jr & Crystal R Young Ronald & Frances Hurst	Margaret E. Doak Robert L. Doak and Aline Doak, h/w	1-17-24
		Donna Jean Long	
		Waco Oil and Gas Co., Inc.	
		Norma Long, widow	
108	James R & Tricia Mushinsky	ina M. Montgomery, AIF, for Leslie E. Montgomery and ina M.	1-20-6.2
		Montgomery, H/W	
		Mildred M. Stevens, widow and Cleryl B. Ash, Sr., single Sam Horton and Carol Horton, H/W. Frank Butler and Molly	
		Sam Horton and Carol Horton, H/W, Frank Butler and Molly Butler, H/W, Edward Mullooly, single	
		Ralph Thacker and Betty Thacker, H/W, J. Maurice Carlisle and	
		Mary Ann Carlisle, H/W	
	Actual Control of the	Kenneth R. Mason and Jennifer L. Mason, H/W	
10F	James R & Tricia Mushinsky	Ina M. Montgomery, AIF, for Leslie E. Montgomery and Ina M.	1-20-6
		Montgomery, H/W	-
		Mildred M. Stevens, widow and Cleryl B. Ash, Sr., single	1
		Sam Horton and Carol Horton, H/W, Frank Butler and Molly Butler, H/W, Edward Mullooly, single	
		Ralph Thacker and Betty Thacker, H/W, J. Maurice Carlisle and	1
		Mary Ann Carlisle, H/W	

12/17/2021

KEYSTONE CONSULTANTS, LLC

API WELL NO 47 - 095 - 02748 STATE COUNTY PERMIT

CNX	(Gas Company LLC	PAGE 4 OF 6	-
	SURFACE OWNER	LESSOR	PIN
111A	Antero Midstream LLC	Jeffrey S. Anderson	1-4-1
111A	Richard F McCullough	Braxton Minerals III, LLC Robin D. Frazer	1-1-1
		Pavio Lynn Hedglin, heir of I. S. Dotson	
		Valerie L Burkhart, helr of I. S. Dotson	
		Matthew Morgan Gangwer	
		Michael Chancellor Gangwer	-
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W	
		Lynida Britton Darbes	
		Richard M. Swadley and Ellen V. Swadley, H/W	
		Randall Swadley	
		Jason Baldwin, aka Jason D. H. Baldwin, heir of Savannah	
		Hensler	
		Teresa Rush and Ronal W. Rush, W/H	1
		John Robert Snaman	-
		Robert F. Montgomery	+
		Maria Cecilia G. Muller, heir of Ramona Duty Thomas Wade Bush	-
		Daniel John Bush	
		Richard J. Bush	
		Ronald G. Bush	
		Elizabeth Duty Samson, aka Elizabeth Duty	-
		Alfredo E. Gallardo, Jr.	-
		Albert Duty, aka Albert E. Duty Francis D. Bautista	-
		Rachel G. Escobedo	
		Corazon J. Bautista	
		Virginia C. Bautista	
		Norma C. Campbell	4
		Edward O. Ferrebee and Diane H. Ferrebee, H/W	-
		Clarence N. Leggett	-
	-	Donna Sue Luh Hermenegilda T. Bautista	-
		Howard Parke Leggett	
		William Andrew Hatfield	
		Marie Christine Brinks, nee Castro, heir of John Boyd Duty	
		Joseph James Sarasua	
		Kelly M. Somervill	
		Kevin M. Somervill	-
		Dominic Luciano, Jr. Lawrence Lester Dotson	-
		Twila Wilson	
		Larry Wilson	
		Russell Wilson	
		Hershell Wilson	4
		Roger Swadley Michael Hensler	-
		Jennifer Betts	-
		Michael Hensler	1
		Sharon Swadley Winkler	
		Stephen Swadley	
		Joleen McMillion	
		Donald Montgomery	-
		Katherine Montgomery Jose Bautista	-
		Michael A. Dotson	
		William J. Dotson	
		Paula Nancy Bautista aka, Sr. Ma. Teresa Bautista	
		Wilma Beile Duty	
		Donna Wright	-
		Mary Maxine Dolles Robert Berl Dotson	-
		Cynthia Somervill Modlin	
		Annette Taylor	
		Joseph C. Buckman and Beth Ellwanger Buckman, H/W	
		John Bennett	
		Karen Woodward	
		Charles Somervill and Barbara Somervill, H/W	-
		Stevie Somervill, Jr. Johnathan Warren Ash, aka Jonathan Warren Ash	-
		Michelle Elizabeth Lyons	
		Erica Lora Henry	
		Lisa Dawn Mullooly	
		Thomas Edward Mullooly II	1
		Lisa Joette Chambers	
		Frank Butler Sam Horton	-
		John Luciano	
		Ryan Taylor Henry	1
		Carl Luciano	
		James Luciano	
		Donna Luciano Hall	-
		Melanie Jean Hartman Wayne Alexander Sarasua	-
		Elizabeth Hogan, fka Elizabeth Mae Oliver	
		Natasha Marie Ash aka Natasha M. Wolfe	
		Morris Mountaineer Oil and Gas LLC	
		The Sidney Austin Smith Trust, LLC, by Security National Trust	1
		Company, Manager	-
		J.W. Kerns Heirs Trust, by United Banks, Successor Trustee	-
		Robert Mitchell Oliver David Oliver Sarasua	1
		Isabelle C. Quinn	
		Jenny Sarasua	1
		Judy Sarasua	

12/17/2021

KEYSTONE CONSULTANTS, LLC

API WELL NO

47 - 095 - 02768

STATE

COUNTY

PERMIT

	SURFACE OWNER	LESSOR
1B	Antero Midstream LLC	Jeffrey S. Anderson
В	Richard F McCullough	Braxton Minerals III, LLC
		Robin D. Frazer
		Pavlo Lynn Hedglin, heir of I. S. Dotson Valerie L. Burkhart, heir of I. S. Dotson
		Matthew Morgan Gangwer
		Michael Chancellor Gangwer
		Clarence W. Mutschelknaus and Mary F. Mutschelknaus, H/W
		Lynida Britton Darbes Richard M. Swadley and Ellen V. Swadley, H/W
		Randall Swadley Jason Baldwin, aka Jason D. H. Baldwin, heir of Savannah
		Hensier Teresa Rush and Ronal W. Rush, W/H
		John Robert Snaman Robert F. Montgomery
		Maria Cecilia G. Muller, heir of Ramona Duty Thomas Wade Bush
		Daniel John Bush
		Richard J. Bush Ronald G. Bush
		Elizabeth Duty Samson, aka Elizabeth Duty Alfredo E. Gallardo, Jr.
		Albert Duty, aka Albert E. Duty Francis D. Bautista
		Rachel G. Escobedo Corazon J. Bautista
		Virginia C. Bautista
		Norma C. Campbell Edward O. Ferrebee and Diane H. Ferrebee, H/W
		Clarence N. Leggett Donna Sue Luh
		Hermenegilda T. Bautista
		Howard Parke Leggett William Andrew Hatfield
		Marie Christine Brinks, nee Castro, heir of John Boyd Duty Joseph James Sarasua
		Kelly M. Somervill Keyin M. Somervill
		Dominic Luciano, Jr.
		Lawrence Lester Dotson Twila Wilson
		Larry Wilson
		Russell Wilson
		Hershell Wilson Roger Swadley
		Michael Hensler
		Jennifer Betts
		Michael Hensier
		Sharon Swadley Winkler
		Stephen Swadley Joleen McMillion
		Donald Montgomery
		Katherine Montgomery
		Jose Bautista
		Michael A. Dotson
		William J. Dotson
		Paula Nancy Bautista aka, Sr. Ma. Teresa Bautista Wilma Belle Duty
		Donna Wright
		Mary Maxine Dolles
		Robert Berl Dotson
		Cynthia Somervill Modlin
		Annette Taylor Joseph C. Buckman and Beth Eliwanger Buckman, H/W
		John Bennett
		Karen Woodward
		Charles Somervill and Barbara Somervill, H/W
		Stevie Somervill, Jr.
		Johnathan Warren Ash, aka Jonathan Warren Ash Michelle Elizabeth Lyons
		Erica Lora Henry
		Lisa Dawn Mullooly
		Thomas Edward Mullooly II
		Lisa Joette Chambers
		Frank Butler Sam Horton
		John Luciano
		Ryan Taylor Henry
		Carl Luciano
		James Luciano
		Donna Luciano Hall
		Melanie Jean Hartman Wayne Alexander Sarasua
		Elizabeth Hogan, fka Elizabeth Mae Oliver
		Natasha Marie Ash aka Natasha M. Wolfe
		Morris Mountaineer Oil and Gas LLC The Sidney Austin Smith Trust, LLC, by Security National Trust
		Company, Manager J.W. Kerns Heirs Trust, by United Banks, Successor Trustee
		Robert Mitchell Oliver
		David Oliver Sarasua Isabelle C. Quinn
		Jenny Sarasua
		Judy Sarasua

12/17/2021



API WELL NO 47 - 095 - 02768 STATE COUNTY PERMIT

PAGE 6 OF 6

	SURFACE OWNER	LESSOR	PIN
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	
118	Antero Midstream LLC	Cisco Dotson and Loia B. Dotson, his wife; and Islah S. Dotson	1-2-6
119	Antero Midstream LLC	Arlington Dotson and Zoe Dotson, H/W	1-4-1
119	Melissa A Shepard		1-4-1.4
119	James E Shepard II		1-4-1.5
119	Michael Shepard		1-4-10
	James E Shepard II	Franklin L Butler	1-3-2
120A		The state of the s	1-3-2.1
			1-3-2.2
		Lisa Dawn Mullooly	
		Thomas E. Mullooly, II	
		Usa J. Chambers	
120B	James E Shepard II	Franklin L. Butler	1-3-2
1000		Lisa Dawn Mullooly	
		Thomas E. Mullooly, II	
		Lisa J. Chambers	
121	West Virginia Department of	West Virginia Department of Transportation, Division of	Unknown
121	Transportation, Division of Highways ET AL	Highways	
124A	Michael Shepard	McKendry Dotson and Mattie Dotson, H/W	1-4-10
124B	Michael Shepard	McKendry Dotson and Mattie Dotson, H/W	1-4-10
		Arlington Dotson and Zoe Dotson, H/W	

12/17/2021



API WELL NO 47 - 095 STATE COUNTY

- 02748

PERMIT

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

Well Operator: CN

CNX GAS COMPANY LLC

By:

Sarah Weigand

Its:

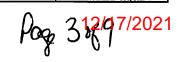
Manager Upstream Permitting

Page 1 of 9

	1		•		I .	No.
		Attachment - Forn	WW-6A-1 for SHR37KHSM			NOV
					ļ	NOV 1
	Tax Map &	Title Opinion	!		<u> </u>	Environment, 26/7/2000
	Percel	QLS#	Grantor, Lessor, etc	Grentee, Lessee, etc	Royalty	Environ-epa
	1-17-5	269278000	Eleanor V. Earnheart and Dean A. Earnheart, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/HITTENT
			Ciella Boice, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/76
			Luelle I. McConnell, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/78
			Agnes Godwin, widow	Sefco Enterprises, Inc.	Not less than 1/8 Not less than 1/8	267/80 267/82
			Nancy P. McClain and Raiph E. McClain, wife and husband Georgia P. Snyder, divorced	Sefco Enterprises, Inc. 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	267/640 285/650
-			Sefco Enterprises, Inc. Eastern American Energy Corporation	Eastern American Energy Corporation Seneca-Upshur Petroleum, Inc.	Assignment 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
			Antero Resources Corporation	CNX Gas Company, LLC & Noble Energy Inc.	Assignment	425/701
_						427/564
-			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	550/273
-	Tax Map &	Title Opinion		·		
1	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
-	1-17-6	266300000	Eleanor V. Earnheart and Dean A. Earnheart, her husband	Sefco Enterprises, Inc.	Not less than 1/8	267/74
			Cletta 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
			Agnes Godwin, widow	Sefco Enterprises, Inc.	Not less than 1/8	267/80
			Nancy P. McClein and Relph E. McClein, wife and husband Georgia P. Snyder, divorced	Sefco Enterprises, Inc. Sefco Enterprises, Inc.	Not less than 1/8 Not less than 1/8	267/82 267/84
-		 	Bradle Pipes and Goldle Pipes, his wife	Serco 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	Eastern American Energy Corporation Seneca-Upshur Petroleum, Inc.	Assignment Assignment	285/650 354/757
	†		Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC	Assignment	381/540
			Seneca-Upshur Petroleum, LLC	Antero Resources Appalachian Corporation	Assignment	402/132
	\vdash		Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	wvsos
			Antero Resources Corporation	CNX Gas Company, LLC & Noble Energy Inc.	Assignment	425/701
٠	 		Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	427/564 550/273
	 		TOWN LINE ST, INC.	wen our company, etc	Manuales	330/2/3
_			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	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#				
	Middle Island Creek	N/A	West Virginia Division of Natural Resources	Antero Resources Corporation	Not less than 1/8	553/295
	ISIENO CIEEX					
_			Antero Resources Corporation	CNX Gas Company, LLC	Affidavit of Agreement	624/332
						1
_						
	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
			Mattie Dotson Flint	1&1 Enterprises, Inc.	Not less than 1/8	259/283
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack	J&J Enterprises, Inc. J&J Enterprises, Inc.	Not less than 1/8 Not less than 1/8	259/283 259/281
	Parcel	QLS#	Mattie Dotson Flint	1&1 Enterprises, Inc.	Not less than 1/8	259/283
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack JBJ Enterprises, (nc. Eastern American Energy Corp. Seneca-Upthur Petroleum, Inc.	J&J Enterprises, Inc. J&J Enterprises, Inc. Esstern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp.	Not less than 3/8 Not less than 3/8 Assignment Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540 402/132
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack JBJ Enterprises, (nc. Eastern American Energy Corp. Seneca-Upthur Petroleum, Inc.	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540 402/132 433/7
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp.	Not less than 3/8 Not less than 3/8 Assignment Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540 402/132
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, LIC Antero Resources Appalachian Corp. Noble Energy, Inc.	J&J Enterprises, Inc. J&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540 402/132 433/7 550/273
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack IBJ Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appelachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Tenton, a/k/a, Viola Trenton	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc.	Not less than 3/8 Not less than 3/8 Assignment Assignment Assignment Assignment	259/283 259/281 282/296 354/757 381/540 402/132 433/7
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K, Bright, a/k/a, Linda Bright Viola M, Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizea, w/h	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC Antero Resources Appalachlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas E	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6 Not less than 1/8	259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack JäJ Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Nicholas Schillaca, w/h William Christopher Taylor and Cynthia Taylor, h/w	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8 Not less than 1/6 Not less than 1/6 Not less than 1/6	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 513/224
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack IAU Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Nicholas Schillaca, w/h William Christopher Taylor and Cynthia Taylor, In/w Manyless Haymond and Floyd Haymond, w/h	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 202/295 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 513/214 508/655
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Vlola M. Trenton, a/k/a, Viola Trenton Judy Schillize and Nicholas Schillizea, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, J/k/a, Gayla A. Hickman	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC Antero Resources Appalachlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6 Not less than 1/6 Not less than 1/6	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 508/655 526/547
	Parcel	QLS#	Mattie Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack IAU Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Nicholas Schillaca, w/h William Christopher Taylor and Cynthia Taylor, In/w Manyless Haymond and Floyd Haymond, w/h	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 202/295 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 513/214 508/655
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Vlois M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, fl/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, fl/k/a Helen Louise Leasure, by her Aff, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newlon	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6 Not less than 1/6 Not less than 1/6	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/222 513/224 500/655 526/547 520/433
	Parcel	QLS#	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JäJ Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Nicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, f/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen Likkman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Charyl L. Tadsen, f/k/a Cheryl L. Gill and James F, Tedsen, w/h	J&J Enterprises, Inc. J&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/226 513/224 513/224 526/547 520/433
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LIC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a / k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Kicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, I/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L Hickman, I/k/a Helen Louise Leasure, by he AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Rewion Cheryl L. Tadsen, I/k/a Cheryl L Gill and James F. Tadsen, w/h Barbera J. Devis, a/k/a Berbara Davis	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8 Not less than 1/8 Not less than 1/5 Not less than 1/5 Not less than 1/5 Not less than 1/6	259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 513/214 508/655 526/547 520/433
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beckhi, fl/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, fl/k/a Helen Louise Lessure, by her AiF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Mawdon Cheryl L. Tedsen, fl/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Cindy A. Gill, a/k/a/Cheryl L. Gill	J&J Enterprises, Inc. J&J Enterprises, Inc. L& Estern American Energy Corp. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/6	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 526/547 520/433 526/504 526/504 526/504 526/504 526/504
	Parcel	QLS#	Mattle Dotson Filmt Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LIC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a / k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Kicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, I/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L Hickman, I/k/a Helen Louise Leasure, by he AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Rewion Cheryl L. Tadsen, I/k/a Cheryl L Gill and James F. Tadsen, w/h Barbera J. Devis, a/k/a Berbara Davis	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8 Not less than 1/8 Not less than 1/5 Not less than 1/5 Not less than 1/5 Not less than 1/6	259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 513/214 508/655 526/547 520/433
	Parcel	QLS#	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JäJ Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Nicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, f/k/a, Gayla A. Hickman William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, f/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tadsen, f/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbera J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Davidi Michael Gill and Catherine J. Gill, a/k/a Cathy	J&J Enterprises, Inc. J&J Enterprises, Inc. L& Estern American Energy Corp. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/6	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 526/547 520/433 526/504 526/504 526/504 526/504 526/504
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Colen Colen C. Lack JACA Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Richolas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryiess Haymond and Floyd Haymond, w/h Gayla A. Beech, f/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, f/k/a Helen Louise Lessure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Mawlon Cheryl L. Tacken, f/k/a Cheryl I. Gill and James F. Tedsen, w/h Barbara J. Davis, a/k/a Cynthia Ann Gill David M. Gill, a/k/a David Micheel Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, f/k/a, Neille Jean Kuchenbecker, f/k/a Neille Jean	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Esstern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 523/214 508/655 526/547 520/433 526/604 526/600 520/384 520/386
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/n William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, (fi/k/a, Gayla A. Hickman, fi/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tadsen, fi/k/a Cheryl L. Gill and James F. Tedsen, w/h Barhera J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill Terry R. Washburn, a/k/a Terry Washburn and Jey D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, fi/k/a Neille Jean Hickman and William Kuchenbecker, w/h.	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachtan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 508/655 526/547 520/433 526/604 526/600 520/384 520/386 520/388
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JåJ Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Antero Resources Appelachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, //k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, f/k/a Helen Louise Lessure, by her AiF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Mewico Cheryl L. Tadsen, f/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Choly A. Gill, a/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Choly A. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kischenbecker, f/k/a Neilie Jean Nickman and William Kochenbecker, w/h Noble Energy, Inc.	J&J Enterprises, Inc. J&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LIC and Noble Energy, Inc. CNX Gas Company, LIC and Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228
	Parcel	QLS#	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/n William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, (fi/k/a, Gayla A. Hickman, fi/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tadsen, fi/k/a Cheryl L. Gill and James F. Tedsen, w/h Barhera J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill Terry R. Washburn, a/k/a Terry Washburn and Jey D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, fi/k/a Neille Jean Hickman and William Kuchenbecker, w/h.	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 508/655 526/547 520/433 526/604 526/600 520/384 520/386 520/388
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Vlola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, fl/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, fl/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tadsen, fl/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, fl/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc.	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachtan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Roble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 526/547 520/433 526/547 520/433 526/540 526/540 520/356 520/356 520/358 520/356 520/358
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JåJ Enterprises, inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Marylass Haymond and Floyd Haymond, w/h Gayla A. Beach, f/k/a, Gayla A. Hickman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Newion Charyl L. Tadsen, f/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Noble Energy, Inc. Noble Energy, Inc. James Albert Taylor Judy Webb, f/k/a, Judy Newbrough	J&J Enterprises, Inc. J&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/226 513/224 513/224 513/224 520/355 526/547 520/433 526/600 520/344 520/356 520/356 520/356 520/356 520/356 520/356 520/356 520/356 520/356 520/356
	Parcel	QUS # 266508000	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Vlois M. Trenton, a/k/a, Viola Trenton Judy Schillizea and Nicholas Schillizea, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, fl/k/a, Gayla A. Hickman, Helen Louise Hickman, a/k/a Helen Lickman, fl/k/a Helen Louise Leasure, by her Alfa, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Hewion Cheryl L. Tedsen, fl/k/a Cheryl L. Gill and James F. Tedsen, w/h Barrbers J. Devis, a/k/a Barbers Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, f/k/a Neille Jean Hickman and William Kochenbecker, w/h Noble Energy, Inc. Noble Energy, Inc. James Albert Taylor Judy Webb, f/k/a, Judy Newbrough Cledth H. Devis	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc.	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 526/547 520/433 526/547 520/433 526/540 526/540 520/356 520/356 520/358 520/356 520/358
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Coleman Coleman Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Kicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, I/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L Hickman, I/k/a Helen Louise Leasure, by he AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Mewlon Cheryl L. Tadsen, I/k/a Cheryl L. Gill and James F. Tadsen, w/h Barbers J. Devis, a/k/a Devid Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Weshburn, a/k/a Terry Washburn and Joy D. Weshburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, I/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. James Albert Taylor Judy Webb, I/k/a, Judy Newbrough Cledith H. Devis Linda L. Catons, I/k/a Linda L. Sellers	J&J Enterprises, Inc. J&J Enterprises, Inc. J&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble En	Not less than 1/8 Assignment Not less than 1/8	259/283 259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 513/214 508/655 526/547 520/433 526/500 520/386
2	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JåJ Enterprises, inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizea and Nicholas Schillizea, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beach, f/k/a, Gayla A. Hickman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Newion Charyl L. Tadsen, f/k/a Cheryl L. Gill and James F. Tedsen, w/h Barhera J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jen Kuchenbacker, a/k/a, Nellie Jean Kuchenbacker, f/k/a Nellie Jean Noble Energy, Inc. Noble Energy, Inc. James Albert Taylor Judy Webb, f/k/a, Judy Newbrough Clecith H. Devis Linda L. Catone, f/k/a Linda L. Sellers B. Paulline Murphy, f/k/a B. Pauline Moore	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachlan Corp. CNX Gas Company, LLC And Company, LLC Noble Energy, Inc.	Not less than 1/8 Assignment Not less than 1/8	259/283 259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 526/504 526/507 520/338 526/507 520/358 520/356 520/358 520/356 520/358
P	Parcel	QUS # 266508000	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, fl/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, fl/k/a Helen Louise Lessure, by her AiF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tedsen, fl/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Cindy A. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Weshburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, f/k/a Neille Jean Noble Energy, Inc. Noble Energy, Inc. Noble Energy, Inc. Lames Albert Taylor Judy Webb, f/k/a, Judy Newbrough Cledth H. Devis Linda L. Cestona, f/k/a Linda L. Sellers S. Pauline Murphy, f/k/a B. Pauline Moore Denver Hickman and Lickman	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble E	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/238 520/355 520/358 520/358 520/358 520/358 520/358 520/358 520/359 520/359 530/339 539/310 539/310 539/100 669/206 3/72
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J. Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillace and Kicholas Schillace, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beech, I/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L Hickman, I/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Newlon Cheryl L. Tadsen, I/k/a Cheryl L. Gill and James F. Tadsen, w/h Barbara J. Devis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a David Micheel Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jam Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, I/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. James Albert Taylor Judy Webb, I/k/a, Judy Newbrough Clacith H. Davis Linda L. Caton, I/k/a Linda L. Sellera B. Pauline Murphy, I/k/a B. Pauline Moore Denver Hickman	J&J Enterprises, Inc. J&J Enterprises, Inc. L&B Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechlan Corp. CNX Gas Company, LLC and Noble Energy, Inc. CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6 Not less than 1/6	259/283 259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/226 513/228 513/224 513/224 513/224 513/224 513/224 513/224 513/224 513/224 513/224 526/547 520/433 526/560 526/344 526/560 520/356 520/356 520/356 520/359 520/356 520/359 520/359 520/359 539/140 539/100 539/100 569/206 33/72 671/761
	Parcel	QUS # 266508000	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, ILC Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, fl/k/a, Gayla A. Hickman Helen Louise Hickman, a/k/a Helen L. Hickman, fl/k/a Helen Louise Lessure, by her AiF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tedsen, fl/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Barbara Davis Cindy A. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Weshburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, f/k/a Neille Jean Noble Energy, Inc. Noble Energy, Inc. Noble Energy, Inc. Lames Albert Taylor Judy Webb, f/k/a, Judy Newbrough Cledth H. Devis Linda L. Cestona, f/k/a Linda L. Sellers S. Pauline Murphy, f/k/a B. Pauline Moore Denver Hickman and Lickman	J&J Enterprises, Inc. J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble E	Not less than 1/8 Not less than 1/8 Assignment Not less than 1/8	259/283 259/281 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/238 520/355 520/358 520/358 520/358 520/358 520/358 520/358 520/359 520/359 530/339 539/310 539/310 539/100 669/206 3/72
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, LLC Antero Resources Appalachian Corp. Noble Energy, Inc. LInda K, Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillaca and Nicholas Schillaca, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beach, l/k/a, Gayla A. Hickman, l/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Newlon Cheryl L. Tadsen, l/f/la Cheryl L Gill and James F, Tedsen, w/h Barbara J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R, Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, a/k/a, Nelle Jean Kuchenbecker, l/k/a Nellie Jean Hickman and William Kochenbecker, w/h Noble Energy, Inc. James Albert Taylor Judy Webb, l/k/e, Judy Newbrough Cladith H, Davis Linda L, Catona, l/k/a Linda L, Seilers B, Pauline Murphy, l/k/a B. Pauline Moore Denver Hickman Donna D, Hart Howard W, Smith, a/k/a Bill Smith Amanda L, Davis	J&J Enterprises, Inc. J&J Enterprises, Inc. Lastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachlan Corp. CNX Gas Company, LLC Ander Resources Appalachlan Corp. CNX Gas Company, LLC Noble Energy, Inc. CNX Gas Company, LLC	Not less than 1/8 Assignment Not less than 1/8	259/283 259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/224 526/547 520/433 526/547 520/433 526/547 520/358
P	Parcel	QUS # 266508000	Mattie Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Senece-Upshur Petroleum, Inc. Antero Resources Appalachian Corp. Noble Energy, Inc. Linda K. Bright, a/k/a, Linda Bright Vlola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Maryless Haymond and Floyd Haymond, w/h Gayla A. Beck, f/k/a, Gayla A. Hickman, Helen Louise Hickman, a/k/a Helen L Hickman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L. Bunner Ruby Newion Cheryl L. Tadsen, f/k/a Cheryl L. Gill and James F. Tedsen, w/h Barbara J. Davis, a/k/a Barbare Davis Cindy A. Gill, a/k/a David Michael Gill and Lames F. Tedsen, w/h Jean Kuchenbecker, a/k/a Barbare Davis Cindy M. Gill, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, f/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. Noble Energy, Inc. James Albert Taylor Judy Webb, f/k/a, Judy Newbrough Cledith H. Davis Linda L. Catona, f/k/a, Linda L. Sellera B. Pauline Murphy, f/k/a B. Pauline Moore Denne D. Hart Howard W. Snikh, a/k/a Bill Smith Amanda L. Davis Connie Sue Maxwell and Michael Mayne Maxwell, w/h	J&J Enterprises, Inc. J&J Enterprises, Inc. Esstern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble E	Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Not less than 1/8	259/283 259/283 259/281 202/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/228 513/228 513/224 526/547 520/433 526/547 520/433 526/547 520/434 526/500 520/386 520/386 520/386 526/614 542/134 542/147 595/29 505/399 509/100 669/206 39/72 671/781 12/235 13/4599 11/236
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Colen C. Jack J& Enterprises, Inc. Landa K. Bright, a/k/a, Linda Bright Linda K. Bright, a/k/a, Gayla A. Hickman Lessure, by har AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Mewlon Cheryl L. Yadsen, i/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jam Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, i/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. James Albert Taylor Judy Webb, i/k/a, Judy Newbrough Chedith H. Devis Linda L. Caton, i/k/a Linda L. Sellera B. Pauline Murphy, i/k/a B. Pauline Moore Denver Hickman Denna D. Hart Howard W. Smith, a/k/a Bill Smith Amanda L. Devis Combanda Serbanavell and Michael Mayne Maxwell, w/h Alex Cralg Smith, a/k/a Bill Smith Amanda L. Devis Combanda Serbanavell and Michael Mayne Maxwell, w/h Alex Cralg Smith, a/k/a Bill Smith	J&J Enterprises, Inc. J&J Enterprises, Inc. L&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble En	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6	259/283 259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 520/433 526/547 520/433 526/547 520/433 526/547 520/433 526/560 520/356 520/356 520/356 520/358 520/358 520/356 520/358
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack JåJ Enterprises, inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Antero Resources Appalachian Corp. Noble Energy, inc. Linda K. Bright, a/k/a, Linda Bright Viola M. Trenton, a/k/a, Viola Trenton Judy Schillizes and Nicholas Schillizes, w/h William Christopher Taylor and Cynthia Taylor, h/w Marylass Haymond and Floyd Haymond, w/h Gayla A. Beach, f/k/a, Gayla A. Hickman, f/k/a Helen Louise Leasure, by her AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Newion Cheryl L. Tadsen, f/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Davis, a/k/a Barbara Davis Cindy A. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill David M. Gill, a/k/a Cynthia Ann Gill Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jean Kuchenbacker, a/k/a, Nellie Jean Kuchenbacker, f/k/a Nellie Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. Noble Energy, Inc. Noble Energy, Inc. James Albert Taylor Judy Webb, f/k/a, Judy Newbrough Cledth H. Devis Linda L. Catona, f/k/a Linda L. Sellers B. Pauline Murphy, f/k/a B. Pauline Moore Denver Hickman Denna D. Hart Howard W. Smith, a/k/a Bill Smith Amanda L. Davis Connie Sue Maxwell and Michael Mayne Maxwell, w/h Alax Cralg Smith, a/k/a Alex C. Smith and Bobble Smith, h/w	J&J Enterprises, Inc. J&J Enterprises, Inc. L& Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalachlan Corp. CNX Gas Company, LLC And Company, LLC Noble Energy, Inc. Noble Energy,	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6	259/283 259/283 259/285 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 513/224 520/353 526/547 520/433 526/600 526/344 526/600 526/384 520/385 526/547 520/388 520/386 526/614 542/134 542/134 542/137 542/134 542/137 542/134 542/137 542/134 542/137 542/134 542/137 542/134 542/137
	Parcel	QUS # 266508000	Mattle Dotson Film Aris Hope Jack Parker, AIF for Colen C. Jack J&J Enterprises, Inc. Eastern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, Inc. Colen C. Jack J& Enterprises, Inc. Landa K. Bright, a/k/a, Linda Bright Linda K. Bright, a/k/a, Gayla A. Hickman Lessure, by har AIF, Frances Louise Bunner, a/k/a Frances L Bunner Ruby Mewlon Cheryl L. Yadsen, i/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a Cheryl L Gill and James F. Tedsen, w/h Barbara J. Devis, a/k/a David Michael Gill and Catherine J. Gill, a/k/a Cathy Gill, h/w Terry R. Washburn, a/k/a Terry Washburn and Joy D. Washburn, h/w Jam Kuchenbecker, a/k/a, Neille Jean Kuchenbecker, i/k/a Neille Jean Hickman and William Kuchenbecker, w/h Noble Energy, Inc. James Albert Taylor Judy Webb, i/k/a, Judy Newbrough Chedith H. Devis Linda L. Caton, i/k/a Linda L. Sellera B. Pauline Murphy, i/k/a B. Pauline Moore Denver Hickman Denna D. Hart Howard W. Smith, a/k/a Bill Smith Amanda L. Devis Combanda Serbanavell and Michael Mayne Maxwell, w/h Alex Cralg Smith, a/k/a Bill Smith Amanda L. Devis Combanda Serbanavell and Michael Mayne Maxwell, w/h Alex Cralg Smith, a/k/a Bill Smith	J&J Enterprises, Inc. J&J Enterprises, Inc. L&J Enterprises, Inc. Estern American Energy Corp. Seneca-Upshur Petroleum, Inc. Seneca-Upshur Petroleum, ILC Antero Resources Appalechian Corp. CNX Gas Company, LLC and Noble Energy, Inc. Noble En	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/6	259/283 259/283 259/285 282/296 354/757 381/540 402/132 433/7 550/273 513/226 513/228 520/433 526/547 520/433 526/547 520/433 526/547 520/433 526/560 520/356 520/356 520/356 520/358 520/358 520/356 520/358

Page 2 1/2/19/2021

	i		Michael P. Davis	CNX Gas Company, LLC	Not less than 1/8	98/395
			Martha Jill Holliday	CNX Gas Company, LLC	Not less than 1/8	95/323
			Juli Edith Germany	CNX Gas Company, LLC	Not less than 1/8	108/584
i			Kimberly Wilcox and Danny Wilcox, w/h	CNX Gas Company, LLC	Not less than 1/8	108/574
-i	· — 1		Matthew Storm	CNX Gas Company, LLC	Not less than 1/8	121/192
-			Shirley L. Urbanowicz, a/k/a Shirley L. Quinn, f/k/a, Shirley L. Hickman and	CNX Ges Company, LLC	Not less than 1/8	108/579
1			John Quinn, w/h			
			Deanna Zirkelbach, f/k/a Deanna Stamper and Tommy Zirkelbach, w/h	CNX Gas Company, LLC	Not less than 1/8	121/458
		i				
			Ronald Sessier	CNX Ges Compeny, LLC	Not less than 1/8	121/454
						 -
Tract ID	Tax Map &	<u>Title Opinion</u>	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
ITACCID	Percel	QLS#	grantor, tessor, etc			
4B	1-17-3	266308000	Nathan Josephs	Central Development Company	Not less than 1/8	61/344
			Central Development Company	Carnegie Natural Gas Company	Assignment	Unrecorded
			Carnegie Natural Gas Company	Murvin Oil Company	Assignment	304/368 318/233
			Murvin Oil Company	Murvin & Meler Oil Company	Assignment	83/344
			Murvin & Meler Oil Company	CNX Gas Company, LLC	Assignment	63/344
				1415-1	Not less than 1/8	259/283
			Mattie Dotson Flint	J&J Enterprises, Inc. J&J Enterprises, Inc.	Not less than 1/8	259/281
			Aris Hope Jack Perker, AIF for Colen C. Jack	Eastern American Energy Corp.	Assignment	282/296
			J&J Enterprises, Inc. Eastern American Energy Corp.	Seneca-Upshur Petroleum, Inc.	Assignment	354/757
		i	Seneca-Upshur Petroleum, Inc.	Seneca-Upshur Petroleum, LLC	Assignment	381/540
			Seneca-Upshur Petroleum, LLC	Antero Resources Appalachian Corp.	Assignment	402/132
			Antero Resources Appalachian Corp.	CNX Gas Company, LLC and Noble Energy, Inc.	Assignment	433/7
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	550/273
			Roble Energy, and	Con des Company, acc	1	
	Ton Mon C	Title Opinion	 			
Tract ID	Tax Map &	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
4C	Percel 1-17-3	266308000	Nathan Josephs	Central Development Company	Not less than 1/8	61/344
70	7-71-9	200300000	Central Development Company	Carnegie Natural Gas Company	Assignment	Unrecorded
		 	Carnegie Natural Gas Company	Murvin Oil Company	Assignment	304/368
			Murvin Oil Company	Murvin & Meier Oil Company	Assignment	318/233
			Murvin & Meler Oil Company	CNX Gas Company, LLC	Assignment	83/344
					I	
_	Tax Map &	Title Opinion			Da	Book/Page
Tract ID	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	OOK/YSKS
4D	1-17-3	266308000	Nathan Josephs	Central Development Company	Not less than 1/8	61/344
			Central Development Company	Carnegie Natural Gas Company	Assignment	Unrecorded
		1	Carnegie Natural Gas Company	Murvin Oil Company	Assignment	304/368
			Murvin Oil Company	Murvin & Meler Oil Company	Assignment	318/233
			Murvin & Meier Oil Company	CNX Gas Company, LLC	Assignment	83/344
Tract ID	Tax Map &	Title Opinion	Grantor, Lessor, etc	Grantes, Lessee, etc	Royalty	Book/Page
HECKIO	Parce!	QLS#	Grands, Mary, 414	Stantes, State, Sta		
5A	1-17-12.1	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
			Serah E. Doak, h/w, Oliver A. Doak, Kirby D. Doak, ida Lemasters and Elty			1
			Lemasters, w/h, Mystle White and Jesper White, w/h		l	
			Hope Natural Gas Company	Consolidated Gas Supply Corporation	Assignment	169/26
			Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment	249/287
		·	Consolidated Gas Transmission Corporation		l	ļ
			CNG Transmission Corporation	Mike Ross, Inc.	Assignment	326/34
	<u></u>		Mike Ross, Inc.	Antero Resources Corporation	Assignment	643/153
		·	Mike Ross, Inc.	Antero Resources Corporation	Extension	20/291
			Antero Resources Corporation	CNX Gas Company, LLC		
		· · · ——			Assignment	23/398
						
			Tribune Resources Minerals, LLC, f/k/e Ascent Resources Marcellus	CNX Gas Company, LLC	Fee	655/515
		Title Oakles	Tribune Resources Minerals, LLC, f/k/e Ascent Resources Marcellus			
Tract ID	Tax Map &	Title Opinion	Tribune Resources Minerals, LLC, f/k/e Ascent Resources Marcellus			
	Percel	QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc	CNX Gas Company, LLC Grantee, Lesses, etc	Fee Royalty	655/515 Book/Page
Tract (D	Percel 1-17-12.2		Tribune Resources Minerals, LLC, f/k/e Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doak, and Myrtle E. Doak, h/w, Dorsey Doak and	CNX Gas Company, LLC	Fea	655/515
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58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Asstin Doak, and Myrite E. Doak, h/w, Dorsey Doak and Sarah E. Doak, k/w, Oliver A. Doak, Krby D. Doak, lda Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company. Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Paul Conger and Mary Conger Paul Conger and Mary Conger Pubble Hilleman and Mark A. Hileman Jaffrey A. James and Marka J. James William Petrick James and Danne James Pemels Fern Friedman	CNX Gas Company, LLC Grantee, Lesses, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8	800k/Ppre 73/138 169/26 249/287 326/34 643/153 20/291 22/398 633/515 Book/Ppre 486/520 506/663 524/312 527/478 520/608 520/403 503/56 503/58 506/68
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doek, and Myrde E. Doak, I/w, Dorsey Doak and Sarah E. Doak, Ik/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lamasters, w/h, Myrde White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Mike Ross, Inc. Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Corporation Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pits Paul Conger and Mary Conger Debbie tilleman and Mark A. Hileman Jaffrey A. Immes and Marla J. James William Petrick Janosa and Dianne James Psmela Fern Friedman Dwight Eugene Sturm	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Roysity Not less than 1/8 Assignment Assignment Assignment Extension Assignment Fee Roysity Not less than 1/6 Not less than 1/6 Not less than 1/8	Book/Page 73/138 169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 486/520 508/663 524/512 527/478 528/608 520/403 503/58 506/68 520/332 524/317
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doak, and Myrth E. Doak, Iv/w, Dorsey Doak and Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lemasters, w/h, Myrtle White and Jesper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, I/Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Michael R. Burk Janet Cliff Pitts Janet Cliff Pitts Paul Conger and Mary Conger Debbie Hileman and Mark A. Hileman Jaffrey A. James and Mark Denne James Pamela Fern Friedman Dwight Eugens Sturm	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas 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 CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Royalty Not less than 1/8	855/515 Book/Pere 73/138 169/25 249/287 226/34 643/153 20/291 23/398 655/515 Book/Pere 486/520 508/663 524/312 527/478 526/608 520/322 520/325 506/68 520/332 524/317 524/335
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Sarah E. Doak, Austin Doak, and Myrite E. Doak, Iv/w, Dorsey Doak and Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Mike R	CNX Gas Company, LLC Grantee, Lesses, etc Hope Natural Gas 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 Noble Energy, Inc.	Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8	800k/Ppre 73/138 169/25 249/287 326/34 643/153 20/291 23/398 655/515 Book/Ppre 456/520 508/663 524/312 527/478 526/608 520/403 503/58 506/68 500/58 506/68 520/403 524/312 524/332 524/332 524/332
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doek, and Myrthe E. Doak, Iv/w, Dorsey Doak and Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemesters and Elzy Lemesters, w/h, Myrcle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Mike Ross,	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Royalty Not less than 1/8	855/515 Book/Page 73/333 169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 486/520 508/663 524/312 527/478 525/606 520/325 520/433 503/56 500/58 506/68 520/332 524/332 524/332 524/332 524/332 524/332
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If It Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Grantor, Lessor, etc Sarah E. Doak, Austin Doak, and Myris E. Doak, Iriw, Dorsey Doak and Sarah E. Doak, Iriw, Oliver A. Doak, Myris Doak, Iriw, Dorsey Doak and Lemasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company. Consolidated Gas Supphy Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Mile Ross, Inc. Mile Ross, Inc. Antero Resources Minerals, LLC, If Iria Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Dabbia Hileman and Mark A. Hileman Jaffrey A. Rames and Mark A. Hileman Jaffrey A. Rames and Mark J. James William Patrick James and Dianne James Pamela Fern Friedman Dwight Eugene Sturm Anna Colleen Presley at Colleen Presley Patricia G. Doty Philip Wayne Sturm Liss Schefer	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas 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 Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8	800k/Pere 73/138 169/25 249/287 326/34 643/153 20/291 23/398 655/515 Book/Pere 486/520 506/663 524/312 527/478 525/606 520/403 503/55 503/58 506/68 520/433 524/317 524/332 524/332 524/332 524/332 524/332
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doek, end Myrtie E. Doak, Iv/w, Dorsey Doak and Sarah E. Doak, Iv/w, Oliver A. Doak, Kirby D. Doak, Ida Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Supply Corporation Consolidated Gas Tansmission Corporation CMIke Ross, Inc. Mike	CNX Gas Company, LLC Grantee, Lesses, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royestry Not less than 1/8 Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Royestry Not less than 1/8	800k/Page 73/38 169/26 249/287 326/34 643/153 20/291 23/398 655/515 800k/Page 456/520 508/663 524/312 527/478 520/403 503/58 506/68 520/403
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Deak, Austin Doek, and Myrthe E. Deak, I/w, Dorsey Doak and Sarah E. Deak, I/w, Oliver A. Doak, Kirby D. Doek, Ida Lamasters and Ety Lemasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Tansmission Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Mike Ross, Inc. Mikerals, LLC Grantor, Lessor, etc Donne J. Griffith and Jacob Paul Griffith Pepgy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Janet Cliff Pitts Janet Cliff Pitts Paul Conger and Mary Conger Debbie tillemen and Mark A. Hileman Jaffrey A. James and Mark J. James William Petrick James and Dianne James Pamela Fern Friedman Dwight Eugene Sturm Anna Collean Presley ska Collean Presley Patricla G. Doty Philip Wayne Sturm Usa Schefer Carol Elaine Higgins and Everett Higgins aka Everett W. Higgins Michael James and Vicky J. James	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Royalty Not less than 1/8	855/515 Book/Page 73/138 169/26 249/287 226/34 643/153 20/291 23/398 655/515 Book/Page 456/520 508/663 526/4312 527/478 525/606 550/322 524/332 524/332 524/335
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Sarah E. Doak, Asstin Doak, and Myrite E. Doak, h/w, Dorsey Doak and Sarah E. Doak, k/w, Oliver A. Doak, Krby D. Doak, lad Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company. Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Mike Ross, Inc. Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpess Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Paul Conger and Mary Conger Paul Conger and Mary Conger Pubble Hilleman and Mark A. Hileman Jeffrey A. James and Maria J. James William Petrick James and Dlanne James Pemels Fern Friedman Dwight Eugene Sturm Anna Colleen Pressley aka Colleen Presley Patricia G. Doty Philip Wayne Sturm Liss Schafer Larce Elaine Higgins and Everett Higgins aka Everett W. Higgins Michael James and Ukrigstons 5. Bee	CNX Gas Company, LLC Grantee, Lesses, etc Hope Natural Gas 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 Noble Energy, Inc.	Roveity Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8	800k/Page 73/138 169/26 249/287 326/34 643/153 20/291 23/398 635/515 800k/Page 486/520 508/663 524/312 527/478 520/608 520/403 524/312 524/312 524/315 524/315 524/315 524/315 524/315 524/315 524/317 524/335 524/317 524/335
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doek, and Myrde E. Doak, I/w, Dorsey Doak and Sarah E. Doak, I/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lamasters, w/h, Myrde White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Cincolidated Gas Tansmission Corporation Mike Ross, Inc. Grantor, Lessor, etc Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Pergry A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pits Paul Conger and Mary Conger Debbie Kileman and Mark A. Hileman Jaffrey A, James and Marla J. James William Patrick James and Olanne James Pamela Fern Friedman Dwight Eugene Sturm Anna Colleen Presley ata Colleen Presley Patricla G, Dody Philip Wayne Sturm Liss Schafer Carol Elaine Higgins and Everett Higgins aka Everett W. Higgins Michael James and Ukringstons S. Dee Juli Robin Thompson and Kelvin Thompson	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas 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 CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Roysity Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Roysity Not less than 1/8	800k/P#RE 73/138 169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/P#RE 486/520 508/663 524/512 527/478 520/608 520/403 503/56 500/68 520/332 524/317 524/335 524/332 524/347 520/397 520/387
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Sarah E. Doak, Asstin Doak, and Myrite E. Doak, h/w, Dorsey Doak and Sarah E. Doak, k/w, Oliver A. Doak, Krby D. Doak, lad Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company. Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Mike Ross, Inc. Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpess Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Paul Conger and Mary Conger Paul Conger and Mary Conger Pubble Hilleman and Mark A. Hileman Jeffrey A. James and Maria J. James William Petrick James and Dlanne James Pemels Fern Friedman Dwight Eugene Sturm Anna Colleen Pressley aka Colleen Presley Patricia G. Doty Philip Wayne Sturm Liss Schafer Larce Elaine Higgins and Everett Higgins aka Everett W. Higgins Michael James and Ukrigstons 5. Bee	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas 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 Noble Energy, Inc.	Royalty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Royalty Not less than 1/8	855/515 Book/Page 73/138 169/26 249/287 226/34 643/153 20/291 23/398 655/515 Book/Page 486/520 508/663 526/4312 527/478 526/608 520/403 503/56 503/56 503/56 503/56 520/332 524/332
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doak, and Myrtle E. Doak, h/w, Dorsey Doak and Sarah E. Doak, h/w, Olber A. Doak, Myrtle E. Doak, h/w, Dorsey Doak and Sarah E. Doak, h/w, Olber A. Doak, Myrtle E. Doak, h/w, Dorsey Doak and Lemasters, w/h, Myrtle White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supphy Corporation Consolidated Gas Supphy Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Donne J. Griffith and Jacob Paul Griffith Peggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janter Cliff Pitts Paul Conger and Mary Conger Paul Conger and Mary Conger Publike Highen and Marla J. James Pamela Fern Friedman Dwight Eugene Sturm List Schafer List Schafer Carol Elaine Highins and Everett Higgins alsa Everett W. Higgins Mikhael James and Vicky J. James Doris J. Bee and Livingstone S. Bee Jill Robkin Thompson and Karlin Thompson Jock, Inffrey Pitts and Doberth MI. Pitts	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas 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 CNX Gas Company, LLC Grantee, Lessee, etc Noble Energy, Inc.	Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8	800k/Page 73/138 169/25 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 456/520 508/653 524/312 527/478 520/403 500/58 500/58 500/58 500/68 524/312 524/332
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Sarah E. Doak, Austin Doak, and Myrite E. Doak, k/w, Dorsey Doak and Sarah E. Doak, k/w, Oliver A. Doak, Kirby D. Doak, lak Lemesters and Elzy Lamasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Paggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Debbie Hileman and Mark A. Hileman Jeffrey A. James and Mark A. J. James William Petrick James and Dianne James Pamela Fare Friedman Dwight Eugene Sturm Anna Colleen Presley ska Colleen Presley Patricka G. Dody Philip Wayne Sturm Lass Schafer Carol Elaine Higgins and Everett Higgins aka Everett W. Higgins Mikhael James and Vicky L. James Doris J. Bea and Livingstone S. Bee Ill Robin Thompson and Kelvin Thompson Jock Jeffrey Pitts aka Jock J. Pitts and Deborah M. Pitts David Eugene Bearebach	CNX Gas Company, LLC Grantee, Lessee, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation CNX Gas Company, LLC Noble Energy, Inc.	Roysity Not less than 1/8 Assignment Assignment Assignment Extension Assignment Extension Assignment Fee Roysity Not less than 1/8	855/515 Book/Page 73/338 169/26 249/287 326/34 643/153 20/291 23/398 655/515 Book/Page 485/520 508/663 524/312 527/478 520/603 520/325 524/337 524/335 524/335 524/337
58	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, If Ik/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Serah E. Doak, Austin Doek, end Myrdie E. Doak, I/w, Dorsey Doak and Sarah E. Doak, I/w, Oliver A. Doak, Kirby D. Doak, Ida Lemasters and Elzy Lamasters, w/h, Myrdie White and Jasper White, w/h Hope Natural Gas Company Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Consolidated Gas Tansmission Corporation Mike Ross, inc. Mike Ross, inc	Grantee, Lesses, etc Grantee, Lesses, etc Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Antero Resources Corporation Antero Resources Corporation CNX Gas Company, ILC CNX Gas Company, ILC Grantee, Lessee, etc Noble Energy, Inc.	Royelty Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royelty Not less than 1/8	800k/Ppre 73/138 169/25 249/287 326/34 643/153 20/291 23/398 655/515 800k/Ppre 456/520 508/663 524/312 527/478 526/608 520/403 503/58 506/68 520/403 524/320
SB	Parcel 1-17-12.2 1-17-12.4 Iax Map & Parcel	QLS# 271971000 Title Opinion QLS#	Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Sarah E. Doak, Asstin Doak, and Myris E. Doak, h/w, Dorsey Doak and Sarah E. Doak, h/w, Oliver A. Doak, Myry D. Doak, lad Lemesters and Elay Lemasters, w/h, Myrtie White and Jasper White, w/h Hope Natural Gas Company. Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Consolidated Gas Transmission Corporation Mike Ross, Inc. Mike Ross, Inc. Antero Resources Corporation Tribune Resources Minerals, LLC, f/k/a Ascent Resources Marcellus Minerals, LLC Grantor, Lessor, etc Donna J. Griffith and Jacob Paul Griffith Peggy A. Bumpass Laura Jean Suddreth Michael R. Burk Janet Cliff Pitts Paul Conger and Mary Conger Dabbis Hileman and Mark A. Hileman Jaffrey A. James and Mark J. James William Patrick James and Dianne James Pamela Fern Friedman Dwight Eugene Sturm Anna Colleen Presley at Colleen Presley Patricia G. Doty Philip Wayne Sturm Liss Schafer Carrol Elaine Higgins and Everett Higgins aka Everett W. Higgins Michael James and Vicky L. James David Eugene Bersebach Judith Adams file Judith Diane Poling and Clifford Adams Davids Lugene Bersebach Judith Adams file Judith Diane Poling and Clifford Adams Davids Harber James and Relwill Diane Doling and Clifford Adams	CNX Gas Company, LLC Grantee, Lesses, etc Hope Natural Gas 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 Noble Energy, Inc.	Roveity Not less than 1/8 Assignment Assignment Assignment Assignment Extension Assignment Fee Royalty Not less than 1/8	855/515 Book/Pere 73/138 169/25 249/287 326/34 643/153 20/291 22/398 655/515 Book/Pere 486/520 506/663 524/312 524/312 526/608 520/403 524/312 524/313 524/313 524/313 524/313 524/317 520/32 524/317 520/32 524/347 520/327 520/332 524/347 520/332 524/347 520/332 524/347 520/332 524/347 520/332 524/347 520/332 524/347 520/332 524/333 534/233 534/233 534/233 534/233



			Larry O. Schumacher and Kathleen M. Schumacher	Noble Energy, Inc.	Not less than 1/8	532/187
	+			Noble Energy, Inc.	Not less than 1/8	532/171
			Mary Jane Schumacher	Noble Energy, Inc.	Not less than 1/8	534/287 535/519
			Bryan Burngarner and Lisa D. Burngarner	Noble Energy, Inc.	Not less than 1/8	534/278
			Patricia Ruth Heater, By Paul Eugene Heater, Jr. POA	Noble Energy, Inc.	Not less than 1/8 Not less than 1/8	532/167
			Sheryl Groves	Noble Energy, Inc.	Not less than 1/8	534/302
				Noble Energy, Inc.	Not less than 1/8	538/525
			Gregory Senera and Greg Senera and Or the Seneral	Noble Energy, Inc.	Not less than 1/8	538/541
			James Lindsey	Noble Energy, Inc.	Not less than 1/8	538/511
			Betty Lewis and Douglas C. Lewis Robert Groves and Carol J. Groves	Noble Energy, Inc.	Not less than 1/8	541/430
			Ann Adel Gosney	Noble Energy, Inc.	Not less than 1/8	543/562
			Kimberley Abrecht fka Kimberly Gene Pitts	Noble Energy, Inc.	Not less than 1/8	543/534
	-		C. Gioria Atkinson aka Gioria Atkinson and Charles W. Atkinson	Noble Energy, Inc.	Not less then 1/8	545/845 543/538
			Matthew Pitts	Noble Energy, Inc.	Not less than 1/8	541/506
			Boda Family Trust, by Margaret E. Boda, Co-Trustee by Wanda L. Boda,	Noble Energy, Inc.	Not less than 1/8	344,300
			POA and Wand L Soda Co-Trustee	No. 64 Process Services	Not less than 1/8	546/21
			Kethryn Stephens	Noble Energy, Inc. Noble Energy, Inc.	Not less than 1/8	546/13
			Nicholas R. Luces	Noble Energy, Inc.	Not less than 1/8	545/841
	 		Tyler Pitts			
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	521/80
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	542/134
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	542/147 550/273
			Noble Energy, Inc.	CNX Gas Company, LLC	Assignment	330/2/3
					Not less than 1/8	543/403
			Linda J. Franz	Noble Energy, Inc.	Not less than 1/8 Assignment	570/96
			Noble Energy, Inc.	HG Energy Appalachia II, tLC Antero Resources Corporation	Assignment	667/1
			HG Energy Appalachia II, LLC Antero Resources Corporation	CNX Gas Company, LLC	Assignment	23/398
			minero nesources conferential			
			Terri Ann Suddreth	CNX Gas Company, LLC	Not less than 1/8	588/688
			Ernest M. Sharp	CNX Ges Company, LLC	Not less than 1/8	591/469
			Thomas Lee Suddreth	CNX Ges Company, LLC	Not less than 1/8	597/817
			Michael Allan McGlasson	CNX Gas Company, LLC	Not less than 1/8	665/752
			Carol Groves	CNX Ges Company, LLC	Not less than 1/8	135/196
					Neo bear 41 - 476	656/747
			AMP Fund II, LP	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	658/384
			Deanna L. Weese	Antero Resources Corporation	Not less than 1/8	658/389
			Gary Alan Listoe Lorraine E. Gildenhorn	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	660/225
			James C. Pierce, Jr.	Antero Resources Corporation	Not less than 1/8	659/485
			Ian B. Crawford	Antero Resources Corporation	Not less than 1/8	659/341
			Julie K. Walsh	Antero Resources Corporation	Not less than 1/8	659/490
			Don Leroy Pierce	Antero Resources Corporation	Not less than 1/8	659/685
			Kethleen McCluskey	Antero Resources Corporation	Not less than 1/8	660/260
			Christopher Scott Power	Antero Resources Corporation	Not less than 1/8	665/749
			Beverly J. Collins	Antero Resources Corporation	Not less than 1/8	659/495
			Antero Resources Corporation	CNX Ges Company, LLC	Assignment	23/398
					Not less than 1/8	666/328
			Sandra Gall Stevens, nee Power	Antero Resources Corporation	NOT RESS CHIEFT A/O	000/320
		 -	Harold Hunt Power Trust U/A/D 7/29/2004			
						68/755
			Antero Minerals, LLC	Antero Resources Corporation CNX Gas Company LLC	Not less than 1/8 Assignment	68/755 109/674
			Antero Minerais, LLC. Antero Resources Corporation	CNX Gas Company, LLC	Not less than 1/8 Assignment	68/755 109/674
	Tax Map &	Title Opinion	Antero Resources Corporation	CNX Gas Company, LLC	Assignment	109/674
Tract ID.	Tax Map &	Title Opinion			Assignment Rayalty	109/674 Book/Page
Tract ID	Percel 1-17-24		Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak	CHX Gas Company, LLC Grantes, Lassee, stc Drilling Appalachian Corporation	Assignment Rayalty Not less than 1/8	109/674 Book/Page 318/150
	Percel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalechian Corporation Drilling Appalechian Corporation	Assignment Royalty Not less than 1/8 Not less than 1/8	109/674 Book/Page 318/150 318/164
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8	109/674 Book/Page 318/150 318/154 317/518
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalechian Corporation Drilling Appalechian Corporation	Assignment Royalty Not less than 1/8 Not less than 1/8	109/674 Book/Page 318/150 318/164 31//518 391/416
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donns Jean Long Drilling Appalachian Corporation	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment	109/674 Book/Page 318/150 318/164 317/518 391/416 421/130
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC and Noble Energy, Inc.	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment	109/674 Book/Page 318/150 318/154 317/518 391/416 421/130 503/738
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long Driffing Appalachian Corporation Antero Resources Corporation Noble Energy, Inc.	CHX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC and Noble Energy, Inc. CNX Gas Company, LLC	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment	109/674 Book/Page 318/150 318/154 317/518 391/416 421/130 503/738 550/273
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC and Noble Energy, Inc.	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment	109/674 Book/Page 318/150 318/154 317/518 391/416 421/130 503/738 550/273 629/658
	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, In/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc.	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalechian Corporation Drilling Appalechian Corporation Drilling Appalechian Corporation Drilling Appalechian Corporation Antero Resources Corporation CNX Gas Company LLC and Noble Energy, Inc. CNX Gas Company, LLC CNX Gas Company, LLC Antero Resources Corporation	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment	109/674 Book/Page 318/150 318/154 317/518 391/416 421/130 503/738 550/273 629/658
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	Percel 1-17-24	QLS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Noterna Long, widow Exon Corporation	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC and Noble Energy, Inc. CNX Gas Company, LLC Excent Corporation XTO Energy Inc.	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment	109/674 Book/Page 318/150 318/154 317/518 391/416 421/130 503/738 550/273 629/658 559/675 629/658 209/132 496/126
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1008	Parcel 1-17-24 1-17-24.1 1-17-24.1 Tax Map 8. Parcel	QUS# 269990000 Title Opinion QUS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert I. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Antero Resources Corporation Norma Long, widow Exxon Corporation Norma Long, widow Exxon Corporation XTO Energy Inc. Antero Resources Corporation Grantor, Lessor, etc Ina M. Montgomery, Alf, for Leslie E. Montgomery and Ina M. Mildred M. Stavens, widow and Claryl B. Ash, Sr., single Bojacque, Inc. Bojacque, Inc.	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation XTO Energy Inc. Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation CNX Gas Company, LLC Stonewall Gas Company Stonewall Gas Company Stonewall Gas Company	Assignment Royalty Not less than 1/3 Not less than 1/3 Not less than 1/3 Not less than 1/3 Assignment Assignment Assignment Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Royalty Not less than 1/8 Assignment	109/674 Book/Page 318/150 318/150 318/156 317/518 391/416 421/150 503/738 629/658 559/675 629/658 209/132 496/126 532/239 629/658 Book/Page 273/338 274/250 278/464 282/392
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1008	Parcel 1-17-24 1-17-24.1 1-17-24.1 Tax Map 8. Parcel	QUS# 269990000 Title Opinion QUS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert I. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Antero Resources Corporation Norma Long, widow Exxon Corporation Norma Long, widow Exxon Corporation XTO Energy Inc. Antero Resources Corporation Grantor, Lessor, etc Ina M. Montgomery, Alf, for Leslie E. Montgomery and Ina M. Mildred M. Stavens, widow and Claryl B. Ash, Sr., single Bojacque, Inc. Bojacque, Inc. Bojacque, Inc. Sopensul Gas Company Drilling Appalachian Corporation Antero Resources Corporation Sam Horton and Carol Morton, It/w, Frank Butter and Molly Butler, h/w, Edward Mullooly, single Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachian Corporation	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation XTO Energy Inc. Antero Resources Corporation CNX Gas Company, LLC Boolacque, Inc. Grantee, Lessee, etc Bolacque, Inc. Stonewall Gas Company Stonewall Gas Company Drilling Appalachian Corporation CNX Gas Company LLC Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation	Assignment Royalty Not less than 1/3 Not less than 1/3 Not less than 1/3 Not less than 1/3 Assignment Assignment Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Assignment Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment	109/674 Book/Pere 318/150 318/154 317/518 391/416 421/130 503/738 550/273 629/658 209/658 209/132 496/126 552/239 629/658 Book/Pere 273/338 274/250 278/464 282/392 287/547 401/499 421/138 629/658
1008 Trest ID 1108	Parcel 1-17-24.1 1-17-24.1 Tax Map & Parcel 1-20-6.2	QUS# 269990000 Title Opinion QUS#	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert I. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachian Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Antero Resources Corporation Norma Long, widow Exxon Corporation XTO Energy Inc. Antero Resources Corporation Grantor, Lessor, etc Ina M. Montgomery, AIF, for Leslie E. Montgomery and Ina M. Mildred M. Stavens, widow and Claryl B. Ash, 5r., single Sojacque, Inc. Bojacque, Inc. Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation Sam Horton and Carol Horton, h/w, Frank Butler and Molly Butler, h/w, Edward Mulliooly, single Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachian Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachian Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachian Corporation Antero Resources Corporation Resources Corporation Kenneth R. Masson and Jennifer L. Mason, h/w	CNX Gas Company, LLC Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC CNX Gas Company, LLC Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation CNX Gas Company, LLC CNX Gas Company, LLC Bojacque, Inc. Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC CNX Gas Company LLC	Assignment Royalty Not less than 1/8 Not less than 1/8 Not less than 1/8 Assignment Assignment Assignment Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Assignment Not less than 1/8 Assignment Not less than 1/8	109/674 Book/Pare 318/150 318/154 317/518 391/416 421/130 503/738 550/273 629/658 209/132 496/126 532/239 629/658 Book/Pare 273/338 274/250 278/485 278/464 282/392 287/547 401/499 421/138 629/658 286/444 401/499 421/138 629/658
1008	Parcel 1-17-24 1-17-24.1 1-17-24.1 Tax Map 8. Parcel	QLS # 269990000 Title Opinion QLS # 271969000	Antero Resources Corporation Grantor, Lessor, etc Margaret E. Doak Robert L. Doak and Aline Doak, h/w Donna Jean Long Drilling Appalachlan Corporation Antero Resources Corporation Noble Energy, Inc. Antero Resources Corporation Waco Oil and Gas Co., Inc. Antero Resources Corporation Norma Long, widow Exxon Corporation Norma Long, widow Exxon Corporation Norma Long, widow Exxon Corporation Grantor, Lessor, etc Isa M. Montgomery, Alf, for Leslie E. Montgomery and Ina M. Mildred M. Stavens, widow and Cleryl B. Ash, Sr., single Bojacque, Inc. Sojecque, Inc. Sojecque, Inc. Stonewall Gas Company Drilling Appalachlan Corporation Antero Resources Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachlan Corporation Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann Carlisle, h/w Drilling Appalachlan Corporation	Grantee, Lessee, etc Grantee, Lessee, etc Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation XTO Energy Inc. Antero Resources Corporation CNX Gas Company, LLC Exxon Corporation XTO Energy Inc. Antero Resources Corporation CNX Gas Company, LLC Grantee, Lessee, etc Bojacque, inc. Bojacque, inc. Stonewall Gas Company Drilling Appalachian Corporation CNX Gas Company LLC Stonewall Gas Company Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC Drilling Appalachian Corporation Antero Resources Corporation CNX Gas Company LLC	Assignment Royalty Not less than 1/3 Not less than 1/3 Not less than 1/4 Assignment Assignment Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Not less than 1/8 Assignment Royalty Not less than 1/8 Assignment Not less than 1/8 Assignment Assignment Assignment Assignment Assignment Assignment Assignment	109/674 Book/Pere 318/150 318/156 311/518 391/416 421/130 503/738 550/273 629/658 209/658 209/132 496/126 552/239 629/658 Book/Pere 273/338 274/250 278/485 278/464 282/392 267/547 401/499 421/138 629/658 286/444 401/499 421/138 629/658

	1-20-6	271969000	ins M. Montgomery, AIF, for Leslie E. Montgomery and ins M. Montgomery, h/w	Bojacque, Inc.	Not less than 1/8	273/338
			Mildred M. Stevens, widow and Cleryl B. Ash, Sr., single	Bojacque, Inc.	Not less than 1/8	274/250
			Bojacque, inc.	Stonewall Gas Company	Assignment	278/485
]		Bojacque, Inc.	Stonewall Gas Company	Assignment	278/464
	i!					282/392
		ļ	Stonewall Gas Company	Drilling Appalachian Corporation	Assignment	287/547
			Drilling Appelachian Corporation	Antero Resources Corporation	Assignment	401/499
		ļ				421/138
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Sem Horton and Carol Horton, h/w, Frank Butler and Molly Butler, h/w,	Stonewall Gas Company	Not less than 1/8	287/325
			Edward Mullooly, single			
		ļ	Stonewall Gas Company	Oriting Appalachian Corporation	Assignment	287/547
- 1	1 1		Brilling Appalachian Corporation	Antero Resources Corporation	Assignment	401/499
					!	421/138
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
		i			-	
			Ralph Thacker and Betty Thacker, h/w, J. Maurice Carlisle and Mary Ann	Drilling Appalachian Corporation	Not less than 1/8	286/444
Į	1		Carlisle, h/w			1
- 1	1		Drilling Appalachian Corporation	Antero Resources Corporation	Assignment	401/499
	L		<u> </u>			421/138
			Antero Resources Corporation	CNX Gas Company LLC	Assignment	629/658
			Waco Oil and Gas Co., Inc.	Antero Resources Corporation	Not less than 1/8	559/678
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	629/658
	1					 -
	1		Kenneth R. Mason and Jennifer L. Mason, h/w	CNX Gas Company, LLC	Not less than 1/8	124/765
			Norma T. Long Trust, dated November 8, 2013	CNX Gas Company, LLC	Not less than 1/8	132/522
			The state of the s		1	**********
	Tax Map &	Title Opinion	<u> </u>		† ·	
act ID	Parcel	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc	Royalty	Book/Page
11A				—		
-IM	1-1-1	293885000	Jeffrey S. Anderson	Antero Resources Corporation	Not less than 1/8	418/317
	1-4-1		0-4-40-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	 	ļ	
			Braxton Minerals III, LLC	Antero Resources Corporation	Not less than 1/8	430/672
	 	ļ	Robin D. Frazer	Antero Resources Corporation	Not less than 1/8	438/489
		<u> </u>	Pavio Lynn Hedglin, heir of I. S. Dotson	Antero Resources Corporation	Not less than 1/8	428/113
			Valerie L. Burkhart, heir of i. S. Dotson	Antero Resources Corporation	Not less than 1/8	428/116
	,i		Matthew Morgan Gangwer	Antero Resources Corporation	Not less than 1/8	440/244
	<u> </u>		Michael Chencellor Gengwer	Antero Resources Corporation	Not less than 1/8	440/239
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	Antero Resources Corporation	Not less than 1/8	334/17
			Lynida Britton Darbes	Antero Resources Corporation	Not less than 1/8	438/310
			Richard M. Swadley and Ellen V. Swadley, h/w	Antero Resources Corporation	Not less than 1/8	438/395
			Randali Swadley	Antero Resources Corporation	Not less than 1/8	433/350
			Jason Baldwin, a/k/a Jason D. H. Baldwin, heir of Savannah Hensler	Antero Resources Corporation	Not less than 1/8	445/463
			Teresa Rush and Ronal W. Rush, w/h	Antero Resources Corporation	Not less than 1/8	446/710
1			John Robert Snamen	Antero Resources Corporation	Not less than 1/8	446/213
			Robert F. Montgomery	Antero Resources Corporation	Not less than 1/8	445/563
			Maria Cecilia G. Muller, heir of Ramona Duty	Antero Resources Corporation	Not less than 1/8	444/536
			Thomas Wade Bush	Antero Resources Corporation	Not less than 1/8	435/433
			Daniel John Bush	Antero Resources Corporation	Not less than 1/8	435/422
			Richard J. Bush	Antero Resources Corporation	Not less than 1/8	435/417
			Ronald G. Bush	Antero Resources Corporation	Not less than 1/8	435/412
			Elizabeth Duty Semson, a/k/a Elizabeth Duty	Antero Resources Corporation		
			Alfredo E. Gallardo, Jr.		Not less than 1/8	438/202
			Albert Duty, a/k/a Albert E. Duty	Antero Resources Corporation	Not less than 1/8	433/585
+			Francis D. Beutista	Antero Resources Corporation	Not less than 1/8	437/705
			Rachel G. Escobedo	Antero Resources Corporation	Not less than 1/8	433/573
t			Corazon J. Bautista	Antero Resources Corporation	Not less than 1/8	443/555
				Antero Resources Corporation	Not less than 1/8	348/456
			Virginia C. Bautista	Antero Resources Corporation	Not less than 1/8	435/428
	ļ		Norma C. Cempbell	Antero Resources Corporation	Not less then 1/8	276/385
					·	367/1
			Edward O. Ferrebee and Diane H. Ferrebee, h/w	Antero Resources Corporation	Not less than 1/8	465/507
			Clarence N. Leggett	Antero Resources Corporation	Not less than 1/8	433/597
			Donne Sue Luh	Antero Resources Corporation	Not less than 1/8	435/586
			Hermeneglide T. Bautista	Antero Resources Corporation	Not less than 1/8	305/121
					l	366/723
	[Howard Parke Leggett	Antero Resources Corporation	Not less than 1/8	436/630
ſ			William Andrew Hatfield	Antero Resources Corporation	Not less than 1/8	438/682
لــــــــــــــــــــــــــــــــــــــ			Marie Christine Brinks, nee Castro, her of John Boyd Duty	Antero Resources Corporation	Not less then 1/8	450/441
			Joseph Jemes Serasua	Antero Resources Corporation	Not less than 1/8	443/274
			Kelly M. Somervill	Antero Resources Corporation	Not less than 1/8	452/244
			Kevin M. Somervill	Antero Resources Corporation	Not less than 1/8	448/556
			Dominic Lucieno, Jr.	Antero Resources Corporation	Not less than 1/8	437/403
!			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	
						AR1144
						481/395
			Lawrence Lester Dotson			
				Antero Resources Appelachism Corporation	Not less than 1/8	272/716
			Lawrence Lester Dotson	Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8	272/716 263/187
			Lawrence Lester Dotson Twile Wilson	Antero Resources Appelachies Corporation Antero Resources Appelachies Corporation Antero Resources Appelachies Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/8	272/716 263/187 262/182
			Lawrence Lester Dotson Twila Wilson Larry Wilson	Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/6 Not less than 3/6 Not less than 1/6 Not less than 1/6	272/716 263/187 262/182 262/276
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Hershell Wilson	Antero Resources Appelachian Corporation	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	272/716 263/187 262/182 262/276 262/281
			Lawrence Lester Dotson Twila Wilson Larry Wilson Russell Wilson	Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/6 Not less than 1/8 Not less than 1/8 Not less than 1/8 Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517
			Lawrence Lester Dotson Twifle Wilson Lerry Wilson Russell Wilson Hershell Wilson Roger Swadley	Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8 Not less than 1/6 Not less than 1/6 Not less than 1/6 Not less than 1/8 Not less than 1/8 Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517 260/546
			Lawrence Lester Dotson Twila Wilson Larry Wilson Russell Wilson Hershell Wilson Roger Swedley Michael Hersler	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517 260/546 260/536
			Lawrence Lester Dotson Twife Wilson Larry Wilson Russell Wilson Hershell Wilson Roger Swadley Michael Hensler Jennifer Betts	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517 260/546 260/536 261/286
			Lawrence Lester Dotson Twifa Wilson Larry Wilson Russell Wilson Russell Wilson Roger Swadley Michael Hensler Jennifer Betts Michael Hensler	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517 260/546 260/535 262/286 263/172
			Lawrence Lester Dotson Twile Wilson Larry Wilson Rarsell Wilson Hershell Wilson Roger Swedey Michael Hensler Jennifer Betts Michael Hensler Michael Hensler Jennifer Betts Michael Hensler	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/517 260/546 260/536 261/286 264/172 261/57
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Russell Wilson Roger Swadley Michael Hensler Jennifer Betts Michael Hensler Sharon Swedley Winkler Sharon Swedley Winkler Sharon Swedley Winkler Johen McMillion	Antero Resources Appelachien Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/276 262/281 262/517 260/546 263/172 261/57 261/57
			Lawrence Lester Dotson Twile Wilson Larry Wilson Rary Wilson Hershell Wilson Hershell Wilson Roger Swedley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swedley Joleen McMillion Donald Montpomery	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/281 262/517 260/546 260/546 263/172 261/57 261/57 261/57 261/57
			Lawrence Lester Dotson Turla Wilson Larry Wilson Russell Wilson Roger Swedley Michael Hensler Jennifer Betts Michael Hensler Sharon Swedley Winkler Stephen Swedley Winkler Stephen Swedley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 262/281 262/386 260/386 263/172 263/172 263/274 290/381 290/382
			Lawrence Lester Dotson Twile Wilson Larry Wilson Raysell Wilson Hershell Wilson Hershell Wilson Horshell Wilson Horshell Wilson Horshell Hersher Jennifer Betts Michael Hersher Jennifer Betts Michael Hersher Stephen Swadley Joleen McKillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista	Antero Resources Appelachien Corporation	Not less than 1/8	272/716 263/187 262/182 262/278 262/281 262/281 260/535 260/535 261/27 261/57 261/57 261/57 261/57 261/57 261/57 261/57 261/57 261/57 261/57 261/57 261/57
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Reger Swadley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Kose Bautista	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/276 262/281 263/535 263/282 263/536 263/372 261/57 261/274 290/381 290/325 293/50 289/17
			Lawrence Lester Dotson Twile Wilson Lerry Wilson Russell Wilson Roger Swedley Michael Hensler Jennifer Betts Michael Hensler Sharon Swedley Winkler Stephen Swedley Winkler Stephen Swedley Winkler Stephen Swedley Winkler Joleen McMillion Donald Montgomery Ketherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/281 261/281 260/346 260/336 262/286 263/172 263/172 263/274 290/361 290/366 233/560 233/560
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Hersheil Hersher Jennifer Betts Michael Hersher Sharon Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautists Michael A. Dotson Willian J. Dotson Paula Nancy Bautista e/k/a, Sr. Ma. Teresa Bautista	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/276 262/276 262/276 260/546 260/546 260/546 261/277 261/57 261/57 261/57 260/276 290/326 293/360 2
			Lawrence Lester Dotson Twile Wilson Larry Wilson Raysell Wilson Hershell Wilson Hershell Wilson Roger Swadley Milchael Hensler Jennifer Betts Milchael Hensler Jennifer Betts Milchael Hensler Jennifer Betts Milchael Hensler Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Milhael A. Dotson William J. Dotson Peula Mancy Bautista e/k/e, Sr. Me. Teresa Bautista William Belle Dury	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 263/281 263/537 260/546 260/535 263/272 261/274 290/536 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50 293/50
			Lawrence Lester Dotson Twife Witson Larry Witson Larry Witson Russell Wilson Reger Swedley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swedley Winkler Stephen Swedley Winkler Stephen Swedley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson Putla Nancy Bautista a/k/a, Sr. Ma. Teresa Bautista Willina Bello Duty Donne Wright	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 263/187 262/276 262/281 263/276 260/336 260/336 263/172 263/172 263/172 263/274 290/361 290/366 239/50 239/5 301/6 255/574 265/24
			Lawrence Lester Dotson Twile Wilson Larry Wilson Rayer Swadley Michael Hensler Jennifer Betts Michael Hensler Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Joses Buttists Michael A. Dotson William J. Dotson William Belle Dutty Donne Wright Mary Maxine Bolies	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/276 262/281 262/281 262/286 260/536 262/282 261/57 261/274 290/581 290/326 283/550 289/12 290/826 283/550 289/12 289/6 301/6
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Reger Swadley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson Paula Nancy Bautista e/k/a, Sr. Ma. Teresa Bautista Willina Belle Duty Donna Wright Mary Maxine Dolles Robert Berl Dotson	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 263/187 262/276 262/281 263/276 260/336 260/336 263/172 263/172 263/172 263/274 290/361 290/366 239/50 239/5 301/6 255/574 265/24
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Roger Swedely Michael Hersler Jennifer Betts Michael Hersler Sharon Swedely Winkler Stephen Swedely Winkler Stephen Swedely Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Soes Bautists Michael A. Dotson William J. Dotson Paula Nancy Baurista e/k/a, Sr. Ma. Teresa Bautista Wilmen J. Dotson Paula Nancy Baurista e/k/a, Sr. Ma. Teresa Bautista Wilmen Belle Duty Donne Wright Mary Maxine Dolles Robert Berl Dotson Robert Berl Dotson Antero Resources Appalachian Corporation	Antaro Resources Appalachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/281 262/281 262/281 260/546
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Reger Swadley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson Paula Nancy Bautista e/k/a, Sr. Ma. Teresa Bautista Willina Belle Duty Donna Wright Mary Maxine Dolles Robert Berl Dotson	Antero Resources Appelachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/276 262/276 262/281 263/517 263/527 265/526 269/327 261/274 290/351 290/352 293/50 299/12 269/6 301/6 259/574 261/25 269/573 265/573 265/573 265/573
			Lawrence Lester Dotson Twile Wilson Larry Wilson Russell Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Hersheil Wilson Roger Swedely Michael Hersler Jennifer Betts Michael Hersler Sharon Swedely Winkler Stephen Swedely Winkler Stephen Swedely Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Soes Bautists Michael A. Dotson William J. Dotson Paula Nancy Baurista e/k/a, Sr. Ma. Teresa Bautista Wilmen J. Dotson Paula Nancy Baurista e/k/a, Sr. Ma. Teresa Bautista Wilmen Belle Duty Donne Wright Mary Maxine Dolles Robert Berl Dotson Robert Berl Dotson Antero Resources Appalachian Corporation	Antaro Resources Appalachian Corporation	Not less than 1/8	272/716 263/187 262/182 262/281 262/281 262/281 263/516 269/546 269/546 269/172 261/57 261/57 260/546 269/172 261/57 260/546 269/172 260/546 269/172 260/546 269/172 260/546 269/172 260/546 269/546 2
			Lawrence Lester Dotson Twile Wilson Larry Wilson Roger Swadey Michael Hersler Jennifer Betts Michael Hersler Jennifer Betts Michael Hersler Jennifer Betts Michael Hersler Jennifer Betts Michael Hersler John Michael Hersler John Michael Hersler Stephen Swadey Winkler Stephen Swadey Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson William J. Dotson William J. Botson Paula Nancy Bautista e/k/a, Sr. Ma. Teresa Bautista Wilma Belle Duty Donne Wright Mary Maxine Dolles Robert Berl Dotson Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation	Antero Resources Appelachian Corporation Antero Resources Corporation	Not less than 1/8	272/716 263/187 262/182 262/281 262/281 263/515 260/546 260/54
			Lawrence Lester Dotson Twile Wilson Larry Wilson Rayer Swadley Michael Herster Jennifer Betts Michael Herster Stephen Swadley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson Paula Nancy Bautista e/k/a, Sr. Ma. Teresa Bautista Wilma Belie Duty Donna Wright Mary Maxima Dolles Robert Berl Dotson Antero Resources Appalachian Corporation Antero Resources Corporation Cynthia Somervill Modlin	Antero Resources Appelachian Corporation Antero Resources Appelachian Corporat	Not less than 1/8	272/716 263/187 262/182 262/281 262/281 262/281 262/281 260/546 260/546 269/172 261/57
			Lawrence Lester Dotson Twife Wilson Larry Wilson Russell Wilson Reger Swedley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swedley Joleen McMillion Donald Montgomery Katherine Montgomery Katherine Montgomery Katherine Montgomery Jose Bautista Michael A. Dotson William J. Dotson Milliam J. Dotson Author Swedley Jonna Wright Mary Maxina Dolles Robert Berl Dotson Antero Resources Appalachian Corporation Antero Resources Corporation Cynthia Somervill Modlin Annetto Taylor	Antero Resources Appelachian Corporation Antero Resources Corporation	Not less than 1/8	272/716 263/187 262/182 262/182 262/281 262/281 263/516 263/516 263/516 263/516 263/5172 261/57 261/57 263/516 293/560 289/1 289/5 289/5 289/5 289/5 289/5 289/5 289/5 301/6 289/54 361/52 481/395

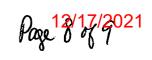
		ï	John Bossett	SOT Denduction Com-	Not less than 1/8	442/304
			John Bennett Karen Woodward	EQT Production Company EQT Production Company	Not less than 1/8 Not less than 1/8	442/308
			Charles Somervill and Barbara Somervill, h/w	EQT Production Company	Not less than 1/6	442/306
			Stevie Somervill, Jr.	EQT Production Company	Not less than 1/6	440/347
			EQT Production Company	Antero Resources Corporation	Assignment	467/165
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
			Johnsthen Werren Ash, a/k/a Jonathan Warren Ash	CNX Ges Company, LLC	Not less than 1/8	498/168
			Michelle Elizabeth Lyons	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	498/163 498/208
			Erica Lora Henry	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	498/203
			Lisa Dawn Mullooly Thomas Edward Mullooly II	CNX Gas Company, LLC	Not less than 1/8	498/193
			Lisa Joette Chambers	CHX Gas Company, LLC	Not less than 1/8	498/198
			Frank Butler	CNX Gas Company, LLC	Not less than 1/8	498/173
			Sem Horton	CNX Gas Company, LLC	Not less than 1/8	Tyler County
				1		131/270
			John Luciano	CNX Gas Company, LLC	Not less than 1/8	498/262
	l		Ryen Teylor Henry	CNX Gas Company, LLC	Not less than 1/8	498/357
			Carl Luciano	CNX Gas Company, LLC	Not less than 1/8	498/178
			James Luciano	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	498/183 498/188
			Donne Luciano Hall Melanie Jean Hartman	CNX Gas Company, LLC	Not less than 1/8	498/223
			Wayne Alexander Sarasua	CNX Gas Company, LLC	Not less than 1/8	498/218
			Elizabeth Hogan, fila Elizabeth Mae Oliver	CNX Gas Company, LLC	Not less than 1/8	498/352
			Natasha Marie Ash aka Natasha M. Wolfe	CNX Gas Company, LLC	Not less than 1/8	498/213
			Morris Mountaineer Oil and Gas LLC	CNX Gas Company, LLC	Not less than 1/8	498/445
		i	The Sidney Austin Smith Trust, LLC, by Security National Trust Company,	CNX Ges Company, LLC	Not less than 1/8	498/441
		<u> </u>	Manager	<u> </u>		
		-	J.W. Kerns Heirs Trust, by United Banks, Successor Trustee	CNX Ges Company, LLC	Not less than 1/8	498/437
	 	 	Debart Attrobali Oliver	CNY Gas Comments 110	Cotonian	62/136
	ł ··	l	Robert Mitchell Oliver David Oliver Seresua	CNX Gas Company, LLC CNX Gas Company, LLC	Cotenancy	62/136
	-		Isabelle C. Quinn	CNX Gas Company, LLC	Cotenancy	62/136
			Jenny Seresus	CNX Gas Company, LLC	Cotenancy	62/136
			Judy Seresua	CNX Gas Company, LLC	Cotenancy	62/136
	Tax Map &	Title Opinion	Country Leaves at a	Granton Larran atr	Royelty	Book/Page
ract ID	Percei	QLS#	Grantor, Lessor, etc	Grantee, Lessee, etc		
1118	1-1-1	293585000	Jeffrey S. Anderson	Antero Resources Corporation	Not less than 1/8	418/317
	1-4-1					
			Braxton Minerals III, LLC	Antero Resources Corporation	Not less than 1/8	430/672
			Robin D. Frazer	Antero Resources Corporation	Not less than 1/8	438/489
			Pavio Lynn Hedglin, heir of I. S. Dotson Valerie L. Burkhart, heir of I. S. Dotson	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	428/113 428/116
			Matthew Morgan Gangwer	Antero Resources Corporation	Not less than 1/8	440/244
	-		Michael Chancellor Gangwer	Antero Resources Corporation	Not less than 1/8	440/239
			Clarence W. Mutschelknaus and Mary F. Mutschelknaus, h/w	Antero Resources Corporation	Not less than 1/8	334/17
			Lynida Britton Darbes	Antero Resources Corporation	Not less than 1/8	438/310
			Richard M. Swedley and Ellen V. Swedley, h/w	Antero Resources Corporation	Not less than 1/8	438/395
			Randall Swadley	Antero Resources Corporation	Not less than 1/8	433/350
			Jason Baldwin, a/k/a Jason D. H. Baldwin, heir of Savannah Hensler	Antero Resources Corporation	Not less than 1/8	445/463
			Teresa Rush and Ronal W. Rush, w/h	Antero Resources Corporation	Not less than 1/8 Not less than 1/8	446/710 446/213
			John Robert Snamen Robert F. Montgomery	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	445/563
			Maria Cecilia G. Muller, heir of Ramona Duty	Antero Resources Corporation	Not less than 1/8	444/536
			Thomas Wade Bush	Antero Resources Corporation	Not less than 1/8	435/433
			Daniel John Bush	Antero Resources Corporation	Not less than 1/8	435/422
			Richard J. Bush	Antero Resources Corporation	Not less than 1/8	435/417
			Ronald G. Bush	Antero Resources Corporation	Not less than 1/8	435/412
			Elizabeth Duty Samson, a/k/a Elizabeth Duty	Antero Resources Corporation	Not less than 1/8	438/202
	-	 	Alfredo E. Gellerdo, Jr. Albert Duty, a/k/a Albert E. Duty	Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	433/585 437/705
			Francis D. Bautista	Antero Resources Corporation	Not less than 1/8	433/573
	<u> </u>	 	Rachel G. Escobedo	Antero Resources Corporation	Not less than 1/8	443/555
		 	Corazon J. Bautista	Antero Resources Corporation	Not less than 1/8	348/456
			Virginia C. Bautista	Antero Resources Corporation	Not less than 1/8	435/428
			Norma C. Campbell	Antero Resources Corporation	Not less than 1/8	276/385
		ļ <u>.</u>				367/1
	ļ	ļ	Edward O. Ferrebee and Diane H. Ferrebee, h/w	Antero Resources Corporation	Not less then 1/8	465/507
	ļ <u>.</u>	-	Clarence N. Leggett	Antero Resources Corporation	Not less than 1/8	433/597
	ļ -	 	Donne Sue Luh	Antero Resources Corporation	Not less than 1/8	
			Hermeneelida T. Rautista			435/586
			Hermenegilda T. Bautista	Antero Resources Corporation	Not less than 1/8	435/586 305/121
			Hermenegilde T. Bautista Howard Parke Leggett			435/586
			Howard Perke Leggett William Andrew Hatfield	Antero Resources Corporation	Not less than 1/8	435/586 305/121 366/723
			Howard Perke Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8 Not less than 1/8	435/586 305/121 366/723 436/630
			Howard Parks Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassa	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassus Keily M. Somervill	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 356/723 436/630 438/682 450/441 443/274 452/244
			Howard Parke Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kelly M. Somervill Kevin M. Somervill	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 356/723 436/630 438/682 450/441 443/274 452/244 448/556
			Howard Parks Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kelly M. Somervill Kevin M. Somervill Dominic Luciano, Jr.	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 448/556 437/403
			Howard Parke Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kelly M. Somervill Kevin M. Somervill	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 448/556
			Howard Parks Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kelly M. Somervill Kevin M. Somervill Dominic Luciano, Jr.	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation	Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 448/556 437/403
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassa Keily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lester Dotson Twile Wilson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNK Gas Company, LLC Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/8	435/586 305/121 366/773 436/630 438/682 430/641 443/274 443/274 442/556 437/403 481/395 272/716 263/187
			Howard Perke Leggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Serasus Kelly M. Somervill Kavin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lewrence Lester Dotson Twille Wilson Larry Wilson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation Antero Resources Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 443/556 437/403 451/395 272/716 263/187 263/182
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasssa Keily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Laster Dotson Twills Wilson Larry Wilson Russell Wilson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/773 436/630 438/682 450/641 443/274 452/244 452/244 487/566 437/403 481/395 272/716 263/187 262/182 262/126
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassa Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Learry Wilson Twile Wilson Russell Wilson Russell Wilson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CANTERO RESOURCES CORPORATION ANTERO RESOURCES Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 443/556 437/403 481/395 272/716 263/187 262/182 262/276
			Howard Perke Leggett William Andrew Hatfield Marie Christine Brinks, nee Cestro, her of John Boyd Duty Joseph James Sensus Kelly M. Somervill Kavin M. Somervill Dominic Juciano, Jr. Antero Resources Corporation Lewrence Lester Dotson Twile Wilson Lerry Wilson Russell Wilson Russell Wilson Roper Swa Gley	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/9 Not less than 1/8	435/586 305/121 366/723 436/632 438/682 450/441 443/274 452/244 448/556 437/403 451/395 272/716 263/187 262/182 262/281 262/251
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassa Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Learry Wilson Twile Wilson Russell Wilson Russell Wilson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/773 436/630 436/630 430/682 450/441 443/274 443/274 443/556 437/403 451/395 272/716 263/187 262/182 262/276 262/281 262/517 260/546
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Serassus Keily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Laster Dotson Twills Wilson Larry Wilson Ressell Wilson Hershell Wilson Roger Swadley Michael Hersher	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Ges Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8 Not less than 1/9 Not less than 1/8	435/586 305/121 366/723 436/630 438/682 450/441 443/274 452/244 443/556 437/403 481/395 272/716 263/187 262/102 262/276 262/271 262/517 260/536
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassa Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lewrence Lester Dotson Twile Wilson Russell Wilson Russell Wilson Reper Swadley Nichael Hensler Jannifer Betts	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8 Assignment Not less than 1/8	435/586 305/121 366/773 436/630 438/682 450/441 443/274 443/274 445/556 437/403 451/395 272/716 263/187 262/182 262/281 262/281 262/251 260/546
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lewrence Lester Dotson Twile Wilson Russell Wilson Russell Wilson Reper Swadley Nichael Hensler Jannifer Betts Michael Hensler Jannifer Betts Michael Hensler Sharon Swadley Winkler Stephen Swadley Winkler	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/723 436/632 438/682 450/441 443/274 452/244 438/556 437/403 451/395 272/716 263/187 262/192 262/276 262/251 262/251 260/546 260/546 260/536
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassus Kaily M. Somervill Kavin M. Somervill Dominic Lustano, Jr. Antero Resources Corporation Lawrence Laster Dotson Twile Wilson Larry Wilson Russell Wilson Hershell Wilson Roper Swedley Michael Hensler Jannifer Betts Michael Hensler Sharon Swedley Winkler Stephen Swedley Stephen Swedley Johnen McKillion	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/773 436/630 436/632 450/441 443/274 443/274 448/556 457/403 451/395 262/182 262/182 262/286 262/286 263/172 263/172 263/187
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Keily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lester Dotson Twile Wilson Larry Wilson Reger Swa Gley Michael Hersler Jennifer Betta Michael Hersler Jennifer Betta Michael Hersler Stephen Swa Gley Johen McMillion Donald Monthly Wilson Stephen Swa Gley Johen McMillion Donald Monthly Wilson Donald Monthly Michael Donald Monthly Michael Donald Monthly Minter	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Ges Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/9 Not less than 1/9 Not less than 1/8	435/586 305/121 366/723 436/630 438/682 430/441 443/274 443/274 443/556 437/403 481/395 272/716 262/182 262/276 262/281 262/281 262/286 263/187 260/536 263/187 260/536 263/187 260/536
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Kelly M. Somervill Kevin M. Somervill Dominic Luclano, Jr. Antero Resources Corporation Lewrence Lester Dotson Twila Wilson Lerry Wilson Russell Wilson Russell Wilson Resper Swa Gley Mikhael Hensler Jennifer Betts Mikhael Hensler Sharon Swadley Winkler Sharon Swadley Winkler Stephen Swadley Michael Mensler Josephen McMillion Donald Montgornery Katherine McMillion Donald Montgornery	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/723 436/630 438/662 438/662 450/441 443/274 452/244 443/275 451/403 451/395 272/716 263/187 262/182 262/276
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassas Kaily M. Somervill Kavin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lastar Dotson Twile Wilson Larry Wilson Russell Wilson Rershell Wilson Roger Swadley Michael Hersler Jannifer Betts Michael Hensler Sharon Swadley Winkler Stephen Swadley Michael Hensler Sharon Swadley Winkler Stephen Swadley Joleen McKillion Donald Montgomery Katherine Montgomery Katherine Montgomery Katherine Montgomery Katherine Montgomery	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/773 436/630 438/682 430/681 443/274 443/274 443/274 443/556 437/403 451/244 263/187 262/182 263/187 262/182 262/281 262/276 263/187
			Howard Parke Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarasus Keily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lester Dotson Twile Wilson Larry Wilson Resper Swa Cley Mikhoel Hensler Jannifer Betts Mikhoel Hensler Jannifer Betts Mikhoel Hensler Johen McMillion Donald Montagnery Katherine Montgomery Lose Bartista Mikhoel Opponery Jose Bartista Mikhoel Opponery Jose Bartista Mikhoel Opponery Jose Bartista Mikhoel Opponery Jose Bartista	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Appelachien Corporation	Not less than 1/8 Assignment Not less than 1/8	435/586 305/121 366/723 435/630 433/682 435/682 435/6841 443/274 443/274 443/274 443/556 437/403 481/395 272/716 262/3187 262/3182 262/276 262/281 262/281 262/281 262/282 262/281 262/282 262/282 262/283 262/286 263/372 261/57 261/274 290/3861 290/326
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassus Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lastar Dotson Twila Wilson Larry Wilson Russell Wilson Russell Wilson Resper Swadley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Sharon Swadley Wilsder Sharon Swadley Wilsder Sharon Swadley Wilsder Josep McMillion Donald Montgomery Jose Barrista Michael A. Dotson William J. Dotson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, ILC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/723 435/632 435/632 435/632 439/641 443/274 452/244 443/556 437/403 481/395 272/716 262/182 262/276 262/276 262/286 262/286 263/137 260/546 263/137 263
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassas Kaily M. Somervill Kavin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lastar Dotson Twills Wilson Larry Wilson Russell Wilson Ressell Wilson Reper Swadley Michael Hensler Jannifer Batts Michael Hensler Jannifer Batts Michael Hensler Stephen Swadley Winkler Stephen Swadley Joeen McKillion Donald Montgomery Katherine Mostgomery Jose Baurists Michael A. Dotson William J. Dotson William J. Dotson William J. Dotson William J. Dotson Paula Nancy Bautista a/k/a, Sr. Ma. Teress Bautista	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/773 436/630 435/632 435/682 435/682 437/403 443/274 443/274 443/556 437/403 451/244 262/187 262/182 262/281 262/286 262/281 262/286 263/172 263/17
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassus Kally M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Lastar Dotson Twila Wilson Larry Wilson Russell Wilson Russell Wilson Resper Swadley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Sharon Swadley Wilsder Sharon Swadley Wilsder Sharon Swadley Wilsder Josep McMillion Donald Montgomery Jose Barrista Michael A. Dotson William J. Dotson	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation CNX Gas Company, ILC Antero Resources Appelachian Corporation	Not less than 1/8	435/586 305/121 366/723 435/632 435/632 435/632 439/641 443/274 452/244 443/556 437/403 481/395 272/716 262/182 262/276 262/276 262/286 262/286 263/137 260/546 263/137 263
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassas Kaily M. Somervill Kevin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Laster Dotson Twille Wilson Larry Wilson Russell Wilson Hershell Wilson Reger Swa Gley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swa Gley Michael Hensler Jennifer Betts Michael Hensler Jennifer Betts Michael Hensler Stephen Swa Gley Johen McKillition Donald Montgomery Katherine Montgomery Jose Baurista Michael A. Dotson William J. Dotson Wiright Mary Maxine Dolles	Antero Resources Corporation CNX Ges Company, LLC Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8	435/586 305/121 366/723 435/630 435/682 450/641 443/274 443/274 443/274 443/556 437/403 481/395 272/716 263/187 262/182 262/276 262/281 262/276 263/287 260/536 263/286
			Howard Parks Laggett William Andrew Hatfield Marie Christine Brinks, nee Castro, her of John Boyd Duty Joseph James Sarassus Kally M. Somervill Kavin M. Somervill Dominic Luciano, Jr. Antero Resources Corporation Lawrence Laster Dotson Twila Wilson Larry Wilson Russell Wilson Hershell Wilson Roger Swadley Michael Hensler Jannifer Betts Milchael Hensler Jannifer Betts Milchael Hensler Jannifer Sets Sharon Swadley Winkler Stephen Swadley Joseen McKillion Donald Montgomery Jose Baurista Michael A. Dotson William J. Dotson Paula Nancy Bautista a/k/a, Sr. Ma. Teresa Bautista Wilson Boles Duty Donna Wright Jonne Bales Duty Donne William J. Dotson Paula Nancy Bautista a/k/a, Sr. Ma. Teresa Bautista	Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Corporation Antero Resources Appelachian Corporation	Not less than 1/8 Not less than 1/8	435/586 305/121 386/773 435/582 435/582 450/441 443/274 443/274 445/556 457/403 451/295 263/187 263/187 262/182 262/281 262/281 262/281 263/172 261/57



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		_	Antero Resources Corporation	CNX Gas Company, LLC	Assignment	401/333
				FOTO A MARKET COMMANDE	Net free share 6 to	453/93
			Cynthle Somervill Modlin	EQT Production Company	Not less than 1/8 Not less than 1/8	453/95 453/95
			Annette Taylor	EQT Production Company	Not less than 1/8	440/349
			Joseph C. Buckman and Beth Ellwanger Buckman, h/w John Bennett	EQT Production Company EQT Production Company	Not less than 1/8	442/304
			Karen Woodward	EQT Production Company	Not less than 1/8	442/308
			Charles Somervill and Barbera Somervill, h/w	EQT Production Company	Not less than 1/8	442/306
-			Stevie Somervill, Jr.	EQT Production Company	Not less than 1/8	440/347
			EQT Production Company	Antero Resources Corporation	Assignment	467/165
			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
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_			Johnsthan Warren Ash, a/k/a Jonathan Warren Ash	CNX Ges Company, LLC	Not less than 1/8	498/168
			Michelle Elizabeth Lyons	CNX Gas Company, LLC	Not less than 1/8	498/163
			Erica Lora Henry	CNX Gas Company, LLC	Not less than 1/8	498/208
	·		Lise Dewn Muliooly	CNX Gas Company, LLC	Not less than 1/8	498/203
			Thomas Edward Mullooly II	CNX Ges Company, LLC	Not less than 1/8	498/193
			Lisa Joette Chembers	CNX Gas Company, LLC	Not less than 1/8	498/198
			Frank Butler	CNX Gas Company, LLC	Not less than 1/8	498/173
			Sem Horton	CNX Gas Company, LLC	Not less than 1/8	Tyler County
				-		131/270
			John Luciano	CNX Gas Company, LLC	Not less than 1/8	498/262
			Ryan Taylor Henry	CNX Gas Company, LLC	Not less than 1/8	498/357
			Carl Luciano	CNX Gas Company, LLC	Not less than 1/8	498/178
			James Luciano Donna Luciano Hall	CNX Gas Company, LLC	Not less than 1/8 Not less than 1/8	498/183 498/188
				CNX Ges Compeny, LLC CNX Ges Compeny, LLC	Not less than 1/8	498/188
			Melanie Jean Hartman Wayne Alexander Sarasua		Not less than 1/8	498/218
			Wayne Alexander Sarasua Elizabeth Hogan, fika Elizabeth Mae Oliver	CNX Gas Company, LLC CNX Gas Company, LLC	Not less than 1/8	498/352
			Natasha Marie Ash aka Natashe M. Wolfe	CNX Gas Company, LLC	Not less than 1/8	498/213
			Morris Mountaineer Oil and Gas LLC	CNX Gas Company, LLC	Not less than 1/8	498/445
			The Sidney Austin Smith Trust, LLC, by Security National Trust Company,	CNX Gas Company, LLC	Not less than 1/8	498/441
			Manager	one company, acc	40	-50,441
			J.W. Kerns Heirs Trust, by United Banks, Successor Trustee	CNX Gas Company, LLC	Not less than 1/8	498/437
-			The same of a success tennel among 2001 (19716)			
			Robert Mitchell Oliver	CNX Gas Company, LLC	Cotenancy	62/136
			David Oliver Sarasua	CNX Ges Company, LLC	Cotenancy	62/136
			Isabelle C. Quinn	CNX Gas Company, LLC	Cotenancy	62/136
_		-	Jenny Seresus	CNX Gas Company, LLC	Cotenancy	62/136
-			Judy Seresua	CNX Gas Company, LLC	Cotenancy	62/136
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	Parcel	QLS#				1
2	1-2-5	293580000	Lillie M. Shepherd	Petroleum Services, Inc.	Not less than 1/8	107/499
			Allegheny Land and Mineral Company	Petroleum Services, Inc.	Not less than 1/8	107/679
			The Union National Bank as Trustee for Truman E. Gore and C. Burke	Petroleum Services, Inc.	Not less than 1/8	107/677
			Morris, u/a dtd. 8/25/1966		A	108/446
			Petroleum Services, Inc.	Summer Gas Associates 78-2	Assignment	175/533
	_		Summer Cox Associates 29.3	Frantiss Francis Community	Affidavit	175/490
_			Summer Gas Associates 78-2	Frontier Energy Corporation		172/655
			Frontier Energy Corporation	Key Oil Company	Assignment	256/285
			Key Oli Company Key Oli Company	Antero Resources Appalachian Corporation	Assignment Assignment	276/526
			Antero Resources Appalachian Corporation	Antero Resources Appalachian Corporation Antero Resources Corporation	Name Change	WVSOS
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			Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395
	Tex Map &	Title Opinion	Antero Resources Corporation	CNX Gas Company, LLC		
ID.	Tax Map & Parcel	Title Opinion QLS #			Assignment	
			Antero Resources Corporation	CNX Gas Company, LLC		
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc	CNX Gas Company, LLC Grantee, Lessee, etc	Royalty	Book/Page
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Cisco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson	CNX Gas Company, LLC Grantee, Lessee, etc James D. Foley	Royalty Not less than 1/8	Book/Page 46/4
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Cisco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson	CNX Gas Company, LLC Grantee, Lessee, etc James D. Foley	Royalty Not less than 1/8	Book/Page 46/4
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Cisco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppjeman	GRANGES Company, LLC Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners	Royalty Not less than 1/8 Assignment	<u>Book/Page</u> 46/4 59/267
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Cisco Dotson and Lois B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L. Hikkman, deceased	GRANGES Company, LLC Grantee, Lessee, etc James D. Foley James P. Dropplemen and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman	Royalty Not less than 1/6 Assignment Last Will and Testament	Book/Page 46/4 59/267 W8 6/466 81/538 W8 51/696
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Ctsco Dotson and Lola B. Dotson, his wife; and Islah S. Dotson James D. Foley Joseph J. Graham, deceased James P. Droppleman Charles L Hitkman, deceased	GNX Gas Company, LLC Granteo, 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 Assignment	Book/Page 46/4 59/267 W8 6/466 81/538 W8 51/696 81/546
	Parcel	QLS#	Antero Resources Corporation 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 Ella Graham	GNX Gas Company, LLC Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners EBa Graham Charles L. Hickman Charles D. Hickman Charles D. Hickman Charles D. Hickman Carl D. Perkins	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Assignment Assignment	Book/Page 45/4 59/267 W8 6/466 81/538 W8 51/696 81/546
	Parcel	QLS#	Antero Resources Corporation Grantor, Lessor, etc Cisco Dotson and Lois 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	GNX Gas Company, LLC 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 Carl D. Perkins	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/Paxe 46/4 59/267 W8 6/466 81/538 W8 51/696 81/546 81/542 W8 51/699
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	Parcel	QLS#	Antero Resources Corporation 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 Ella Graham Ella Graham Charles D. Hickman, deceased Carl D. Perkins Carl D. Perkins Charles M. Hickman, widow, and Perkins Oil and Gas, Inc.	GNX Gas Company, LLC Granteo, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners Ella Graham Charles L. Hickman Charles D. Hickman Charles M. Hickman Charles 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 Last Will and Testament Assignment	Book/Pexe 45/4 59/267 W8 6/466 81/538 W8 51/659 81/546 91/542 W8 51/699 176/607 163/524
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	Percel 1-2-6	QUS# 293581000	Antero Resources Corporation 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 Ella Graham Ella Graham Charles D. Hickman, deceased Carl D. Perkins Charles M. Kickman, deceased Carl D. Perkins Charles M. Kickman, widow, and Perkins Oil and Gas, Inc. Shackleford Energy, Inc. Key Oil Company Antero Resources Appalachian Corporation	GNX Gas Company, LLC Grantee, Lessee, etc James D. Foley James P. Droppleman and J.J. Graham, mining partners EBa Graham Charles L. Hickman Charles D. Hickman Charles M. Hickman Perkins Oil and Gas, inc. Shackleford Energy, inc. Key Oil Company Antero Resources Appalachian Corporation Antero Resources Corporation	Royalty Not less than 1/8 Assignment Last Will and Testament Assignment Last Will and Testament Assignment Name Change	Book/Page 45/4 59/267 W8 6/466 81/538 W8 51/696 81/546 81/546 176/607 163/524 171/107 268/607 WSOS 481/395
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Arlington Dotson and Zoe Dotson, h/w		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for insurances on Lives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Artington Dotson and Zoe Dotson, h/w	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutiles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Energy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clirhon Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Adrington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Corporation Williston Oil Corporation CNI Gas Company, LLC Antero Resources Corporation CNI Gas Company, LLC H. C. Stuck J. F. Donaldson	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82
H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clirhon Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Adrington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Corporation Williston Oil Corporation CNI Gas Company, LLC Antero Resources Corporation CNI Gas Company, LLC H. C. Stuck J. F. Donaldson	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82 The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Assignment 32/253 45/102		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Arilington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia	Antero Resources Corporation CNOX Gas Company, LLC Grantae, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willisor Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philiadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/102
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82 The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Assignment 32/32 45/102 Pittsburgh and West Virginia Gas Company J. D. Foley Assignment 45/237		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Stun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Devolopment I. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation The Philadelphia Company of West Virginia Ptttsburgh and West Virginia Gas Company	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley	Assignment Assignment Royalty Not less than 1/6 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/102 45/237
H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, It/W George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 for Insurances on Lives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Arlington Dotson and Zoe Dotson, It/W H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, It/W	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Energy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley J. D. Foley W. J. Proppleman	Assignment Assignment Royelty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 105/272 315/329 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/100 45/237 47/317
H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annuttles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Company Williston Company LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/100 45/237 47/317
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H. C. Stuck		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Development Willow Run Energy, LLC Antero Resources Corporation Willow Run Energy, LLC Antero Resources Corporation The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Ch. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutites Clifton Oil and Gas Company Clusker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation CNIX Gas Company LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. D. Folosidson The Philadelphia Company of West Virginia Pittiburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell Mrs. Joseph Cooper W. J. Droppleman W. M. J. Droppleman	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 24/76 24/82 32/253 45/102 45/237 47/400 47/482 47/499
H. C. Stuck		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Rigg Spindletop Farms, Inc. Willow Run Corporation H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development CNX Gas Company LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. J. Droppleman	Assignment Assignment Royalty Not less than 1/6 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 47/317 47/400 47/492 47/499 48/1
H. C. Stuck		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 For insurances on Lives and Granting Annuities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, inc. Willow Run Corporation Williston Oil Development Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w Lulu Cooper and Joseph Cooper, w/h J. D. Foley and Ruth Foley, h/w Lulu Cooper and Joseph Cooper, w/h J. D. Foley and Ruth Foley, h/w Lulu Cooper and Joseph Cooper, w/h J. D. Foley and Ruth Foley, h/w L. G. Mundeil and Martha Mundell, h/w E. G. Mundeil and Martha Mundell, h/w L. D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutiles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Energy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell Mrs. Joseph Cooper W. J. Droppleman W. M. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman W. J. Droppleman	Assignment Assignment Royalty Not less than 1/8 Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 101/275 115/322 1319/378 481/395 20/179 24/76 24/82 32/253 45/102 45/237 47/400 47/492 47/484 47/499 48/1 52/2314
H. C. Stuck		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Megburn Eastern Petroleum Company W. W. Hegburn Eastern Petroleum Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company (Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Anters Resources Corporation Willow Run Energy, LLC Anters Resources Corporation H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w J. D. Foleyand Ruth Foley, h/w W. J. Dropleyana	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutites Clifton Oil and Gas Company Cuaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Genergy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck H. C. Stuck H. C. Stuck J. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. M. Aby W. J. Droppleman J. J. Graham and J. P. Droppleman J. Graham and J. P. Droppleman J. Granteen James P. Droppleman J. Granteen James P. Droppleman	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/102 45/237 47/317 47/400 47/492 47/494 47/495 47/499 48/1 52/314
H. C. Stuck		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepbum Eastern Petroleum Company The Pennsylvania Company for insurances on tives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development I. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w U. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w J. D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Clusker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell Mix. Joseph Cooper W. J. Droppleman W. J. Droppleman W. J. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. J. Graham, as mining	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/102 45/237 47/317 47/400 47/492 47/494 47/495 47/499 48/1 52/314
H. C. Stuck		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, inc. Williow Run Energy, LLC Antero Resources Corporation Willow Run Energy, LLC Antero Resources Corporation Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w D. Foleys, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Iames Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Rogers, Neille M. Stuart, Armold Lyke Stuart, G. W. Hill, administrator of Lanes Roge	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Clusker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell Mix. Joseph Cooper W. J. Droppleman W. J. Droppleman W. J. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. J. Graham, as mining	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/102 45/237 47/317 47/400 47/492 47/494 47/495 47/499 48/1 52/314
H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/76		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Gusker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Willow Run Energy, LLC Antero Resources Corporation The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, I/w J. D. Foley and Ruth Foley, I/w J. D. Foley and Ruth Foley, I/w W. M. Ash E. G. Mundell and Martha Mundell, Ir/w E. G. Mundell and Martha Mundell, Ir/w J. D. Foley and Ruth Foley, I/w W. J. Droley and Ruth Fole	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Cuaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development CNX Gas Company, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. J. Droppleman W. J. Droppleman W. J. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman Clara G. Orugopleman and James P. Droppleman J. Gara G. Orugopleman J. Graham and J. P. Droppleman James P. Droppleman	Assignment Assignment Royalty Not less than 1/8 Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/100 45/237 47/400 47/492 47/494 47/495 47/499 49/1 52/314 VR 55/106 59/267
H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 32/753 The Philadelphia Company of West Virginia Gas Company Assignment 32/753 Pittsburgh and West Virginia Gas Company J. D. Foley Assignment 45/102 Pittsburgh and West Virginia Gas Company J. D. Foley Assignment 45/103 J. D. Foley and Ruth Foley, Iv/w W. J. Droppleman Assignment 47/100 J. D. Foley and Ruth Foley, Iv/w Mrs. Joseph Cooper Assignment 47/400 J. D. Foley and Ruth Foley, Iv/w Mrs. Joseph Cooper Assignment 47/482 Liulu Cooper and Joseph Cooper, w/h W. J. Droppleman Assignment 47/484 J. D. Foley and Ruth Foley, Iv/w W. M. Ash Assignment 47/495 W. M. Ash Assignment 47/495 W. M. Ash Assignment 47/493 E. G. Mundell and Martha Mundell, Iv/w W. J. Droppleman Assignment 47/493 E. G. Mundell and Martha Mundell, Iv/w W. J. Droppleman Assignment 48/1 J. D. Foley and Ruth Foley, Iv/w W. J. J. Graham and J. P. Droppleman Assignment 48/1 J. D. Foley and Ruth Foley, Iv/w J. J. Graham and J. P. Droppleman Assignment 59/267 Lena Rogers, Neille M. Stuart, Armold Lye Stuart, G. W. Hill, administrator of the LWT of N. D. Pratt and J. J. Graham Lena Rogers, Neille M. Stuart, Armold Lye Stuart, G. W. Hill, administrator of the LWT of N. D. Pratt and J. J. Graham		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for insurances on Lives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development I. Kelley Rigg Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company I. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w U. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w J. D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Corporation CNIX Gas Company, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman G. G. Mundell Mrs. Joseph Cooper W. J. Droppleman W. J. Droppleman W. J. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman James P. Droppleman James P. Droppleman J. J. Graham and J. J. Graham, as mining partners Elia Graham	Assignment Assignment Royalty Not less than 1/6 Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/102 45/237 47/492 47/494 47/495 47/495 47/498 47/499 48/1 52/314 W6 5/106 59/267
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H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clirhon Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Adrington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Corporation Williston Oil Corporation CNI Gas Company, LLC Antero Resources Corporation CNI Gas Company, LLC H. C. Stuck J. F. Donaldson	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82 The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Assignment 32/253		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clirhon Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Adrington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Corporation Williston Oil Corporation CNI Gas Company, LLC Antero Resources Corporation CNI Gas Company, LLC H. C. Stuck J. F. Donaldson	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82 The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Assignment 32/53 45/102		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Arilington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia	Antero Resources Corporation CNOX Gas Company, LLC Grantae, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willisor Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philiadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/102
H. C. Stuck J. F. Donaldson Assignment 24/76 J. F. Donaldson The Philadelphia Company of West Virginia Assignment 24/82 The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company Assignment 32/23 Pittsburgh and West Virginia Gas Company J. D. Foley Assignment 45/237		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Stun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Devolopment I. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation The Philadelphia Company of West Virginia Ptttsburgh and West Virginia Gas Company	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Quaker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley	Assignment Assignment Royalty Not less than 1/6 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/102 45/237
H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, It/W George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 for Insurances on Lives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Arlington Dotson and Zoe Dotson, It/W H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, It/W	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Energy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley J. D. Foley W. J. Proppleman	Assignment Assignment Royelty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 105/272 315/329 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/100 45/237 47/317
H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annuttles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Company Williston Company LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/100 45/237 47/317
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H. C. Stuck J. F. Donaldson Assignment 24/76		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and 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 The Pennsylvania Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, N/w	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development CNX Gas Company LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. J. Droppleman W. M. Ash	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment	319/378 481/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 481/395 20/179 24/76 24/82 32/253 45/100 45/237 47/452 47/4884 47/495
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H. C. Stuck		Percel	QLS# 293610000	Wilsow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Megburn Eastern Petroleum Company W. W. Megburn Eastern Petroleum Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company for Insurances on Lives and Granting Annutities Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Willow Run Corporation Willow Run Corporation Willow Run Energy, LLC Antero Resources Corporation Arlington Dotson and Zoe Dotson, h/w H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w E. G. Mundell and Martha Mundell, h/w J. D. Foleyand Ruth Foley, h/w W. J. Dropleyana	Antero Resources Corporation CNOX Gas Company, LLC Grantee, Lossee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for insurances on Lives and Granting Annutites Clifton Oil and Gas Company Cuaker State Oil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Genergy, LLC Antero Resources Corporation CNIX Gas Company, LLC H. C. Stuck H. C. Stuck H. C. Stuck J. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundel Mrs. Joseph Cooper W. M. Aby W. J. Droppleman J. J. Graham and J. P. Droppleman J. Graham and J. P. Droppleman J. Granteen James P. Droppleman J. Granteen James P. Droppleman	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/102 45/237 47/317 47/400 47/492 47/494 47/495 47/499 48/1 52/314
H. C. Stuck		Percel	QLS# 293610000	Willow Run Energy, LLC Antero Resources Corporation Grantor, Lessor, etc McKendry Dotson and Mattle Dotson, h/w George G. Trainer and Viola C. D. Trainer, his wife, J. E. Trainer and Tressle May Trainer, his wife, and George H. Trainer and J. E. Trainer, partners trading under the firm name and style of Sun Gas Company W. W. Hepbum Eastern Petroleum Company The Pennsylvania Company for insurances on tives and Granting Annuitles Clifton Oil and Gas Company Quaker State Oil Refining Corporation Williston Oil Development I. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w J. D. Foley and Ruth Foley, h/w U. D. Foley and Ruth Foley, h/w W. M. Ash E. G. Mundell and Martha Mundell, h/w J. D. Foley and Ruth Foley, h/w	Antero Resources Corporation CNEX Gas Company, LLC Grantee, Lessee, etc Sun Gas Company W. W. Hepburn Eastern Petroleum Company The Pennsylvania Company for Insurances on Lives and Granting Annutites Clifton Oil and Gas Company Clusker State Dil Refining Corporation Williston Oil Development J. Kelley Riggs Spindletop Farms, Inc. Willow Run Corporation Williow Run Energy, LLC Antero Resources Corporation CNX Gas Company, LLC H. C. Stuck J. F. Donaldson The Philadelphia Company of West Virginia Pittsburgh and West Virginia Gas Company J. D. Foley W. J. Droppleman E. G. Mundell Mix. Joseph Cooper W. J. Droppleman W. J. Droppleman W. J. Droppleman W. J. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. P. Droppleman J. J. Graham and J. J. Graham, as mining	Assignment Assignment Royalty Not less than 1/8 Assignment Assignment Assignment	319/378 431/395 Book/Pege 31/56 34/244 34/257 9/356 81/105 56/165 97/462 101/275 155/379 182/271 315/322 319/378 431/395 20/179 24/76 24/82 32/253 45/102 45/237 47/317 47/400 47/492 47/494 47/495 47/499 48/1 52/314
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	T	Key Oil Company	Antero Resources Appalachian Corporation	Assignment	276/526
		Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	WVSOS
		Antero Resources Corporation	CNX Gas Company, LLC	Assignment	481/395

Pag12/97/2921



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

CNX Center 1000 CONSOL Friergy Drive Canonisburg, PA 15317-5505 724-485-4000 cnx.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.

Sincerely,

Sarah Weigand

RECEIVED Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection

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

Date of Notic	ce Certification: [[][] [] [] [] [] [] [] [] [] [] [] []	A	PI No. 47		
	in the contract of the contrac			Well No. SHR	37KHSM
		•	•	ame: SHR37	
Notice has b	been given:				
Pursuant to th	ne provisions in West Virginia Code	§ 22-6A, the Operator has provid	ed the req	uired parties v	vith the Notice Forms listed
	tract of land as follows:				
State:	West Virginia		asting:	513287.726	
County:	Tyler	N	orthing:	4356014.578	
District:	Centerville	Public Road Access	-	Duckworth Ridge	Road (CR 58/2)
Quadrangle:	West Union	Generally used farm	name:	CNX	
Watershed:	Headwaters Middle Island Creek				
it has provide information re of giving the requirements Virginia Code	the secretary, shall be verified and sed the owners of the surface described and (c), so surface owner notice of entry to so of subsection (b), section sixteen (c) as 22-6A-11(b), the applicant shall have been completed by the application.	ibed in subdivisions (1), (2) and ection sixteen of this article; (ii) turvey pursuant to subsection (a), of this article were waived in witender proof of and certify to the	(4), subs hat the rec section t riting by	ection (b), sec quirement was en of this arti the surface ov	ction ten of this article, the deemed satisfied as a resul- cle six-a; or (iii) the notice wher; and Pursuant to Wes
that the Ope	West Virginia Code § 22-6A, the Orrator has properly served the require ECK ALL THAT APPLY		Notice C	ertification	OOG OFFICE USE ONLY
☐ 1. NO	FICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRE SEISMIC ACTIVITY WAS C			☐ RECEIVED/ NOT REQUIRED
☐ 2. NO	TICE OF ENTRY FOR PLAT SUR	VEY or <a> NO PLAT SURVEY	WAS CO	ONDUCTED	☐ RECEIVED
☐ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PLEWAS CONDUCTED OF			☐ RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY (PLEASE ATTACH)	SURFAC	CE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION				☐ RECEIVED
■ 5. PUE	BLIC NOTICE	Offic	RECEIVE e of Oil ar	nd Gas	☐ RECEIVED
■ 6. NO	TICE OF APPLICATION	N	ov 15	5051	RECEIVED
		V Envi	W Domantal	protection	

Required Attachments:

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

Certification of Notice is hereby given:

THEREFORE, I Sarah Weigand, 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 Darch Mp, cen	ul	Canonsburg, PA 15317
Its:	Manager Upstream Permitting	Facsimile:	
Telephone:	724-485-3244	Email:	sarahweigand@cnx.com
My	NOTARY SEAL monwealth of Pennsylvania - Notary Seal Rebecca Zachwieja, Notary Public Washington County commission expires November 7, 2023 Commission number 1269683 The Pennsylvania Association of Notaries	Subscribed and sweet Alebe My Commission E	eca Jachweja 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 deprivacyofficer@wv.gov.

WW-6A (9-13)

API NO. 47			
OPERATOR WE	LL NO.	SHR37KHSM	
Well Pad Name:	SHR37		

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

Noti		=	1	n the filing date of permit applicati	on.
	e of Notice: MUUU D ice of:	ate Permit Applicati	ion Filed: []	2/2021	
✓	PERMIT FOR ANY WELL WORK			ROVAL FOR THE AN IMPOUNDMENT OR PIT	RECEIVED Office of Oil and Gas
Deli	very method pursuant (to West Virginia Co	de § 22-6A-10	(b)	NOV 1 5 2021
	PERSONAL SERVICE	REGISTERED MAIL	METH RECEI	OD OF DELIVERY THAT REQUIP PT OR SIGNATURE CONFIRMAT	RES A WW Department of Environmental Protection
the soil addescript ad	surface of the tract on which and gas leasehold being deribed in the erosion and seator or lessee, in the event at coal seams; (4) The own work, if the surface tract is a water well, spring or waide water for consumption cosed well work activity is ection (b) of this section hards of the sheriff required ision of this article to the e R. § 35-8-5.7.a requires	ch the well is or is proposed in the tract of land on where of record of the sure is to be used for the placed in section nine of the ater supply source local to take place. (c)(1) If hold interests in the land to be maintained pursue contrary, notice to a lie, in part, that the opera	posed to be located well work, if abmitted pursua hich the well purface tract or tracement, constructed within one tic animals; and more than threads, the applicaruant to section den holder is not tor shall also p	the well plat to each of the following potented; (2) The owners of record of the suffice tract is to be used for road ant to subsection (c), section seven of the proposed to be drilled is located [sic] is acts overlying the oil and gas leasehold auction, enlargement, alteration, repair, any surface owner or water purveyor we thousand five hundred feet of the centre (6) The operator of any natural gas store tenants in common or other co-owner that may serve the documents required upeight, article one, chapter eleven-a of the notice to a landowner, unless the lien provide the Well Site Safety Plan ("WS) as provided in section 15 of this rule.	arface tract or tracts overlying the s or other land disturbance as his article; (3) The coal owner, known to be underlain by one or being developed by the proposed removal or abandonment of any tho is known to the applicant to er of the well pad which is used to orage field within which the ers of interests described in pon the person described in the his code. (2) Notwithstanding any holder is the landowner. W. Va.
Ø	application Notice 🛛 W	/SSP Notice DE&	S Plan Notice	☑ Well Plat Notice is hereby pro	ovided to:
Y SI	JRFACE OWNER(s)	1		COAL OWNER OR LESSEE	1
	ne: CNX Gas Company LLC)		Name: CNX Gas Company LLC	/
Add	ress: 1000 CONSOL Energy Di	rive		Address: 1000 CONSOL Energy Drive	
Cano	nsburg, PA 15317			Canonsburg, PA 15317	
Nan	ne:	_	-	COAL OPERATOR	<u> </u>
Add	ress:			Name:	
				Address:	
□ Sī	JRFACE OWNER(s) (R	oad and/or Other Dist	turbance)		
_ Nan	ne:		ŕ	SURFACE OWNER OF WATER	R WELL
Add	ress:			AND/OR WATER PURVEYOR(s)	
			•	Name: See attached.	
Nan	ne:		-	Address:	
Add	ress:				
				OPERATOR OF ANY NATURA	AL GAS STORAGE FIELD
	JRFACE OWNER(s) (In	npoundments or Pits)	-	Name:	
	ne:			Address:	
Add	ress:				
			-	*Please attach additional forms if n	ecessary
			-		•

API NO. 47-095 - 0 2168
OPERATOR WELL NO. SHR37KHSM
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-and-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 lake, pond or reservoir, or a welland, 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 - 02768 OPERATOR WELL NO. SHR37KHSM

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 - 0 2768
OPERATOR WELL NO. SHR37KHSM
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 erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

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

WW-6A (8-13) API NO. 47-095 - 0 2768
OPERATOR WELL NO. SHR37KHSM
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

Facsimile:

Oil and Gas Privacy Notice:

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

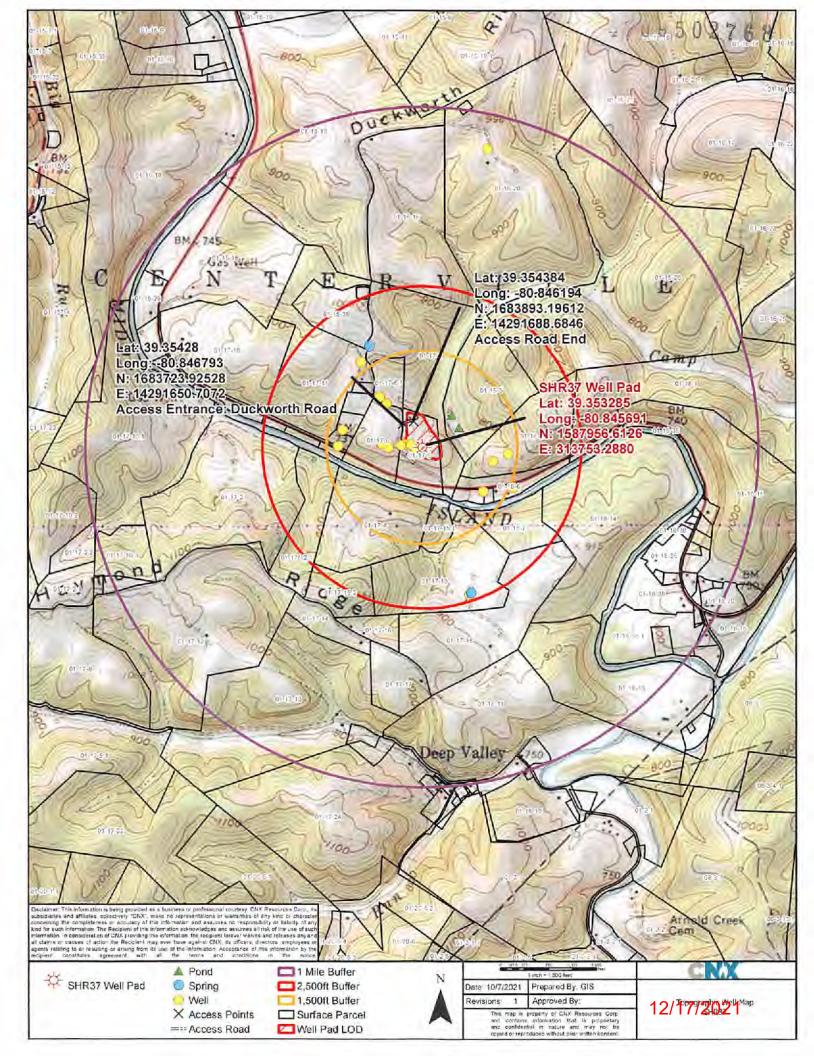
day of velocks, soft

My Commission Expires

RECEIVED Office of Oil and Gas

NOV 1 5 2021

WV Department of Environmental Protection



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 (RILEY) ✓ 8100 SHAW AVENUE HAMLIN, WV 25523

DANNY CARL & PATRICIA J HARRIS 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

WV Department of Environmental Protection



Sara i Weigand Manager Upstream Permitting Email: SarahWeigand@cnx.com /24-485-4000

CNX Center 1000 CONSOL Energy Drive Work: 724-485-3244 Canonsburg, PA 15317-6506

October 11, 2021

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

RE: SHR37KHSM Waiver Request

To Whom It May Concern:

CNX Gas Company LLC (CNX) as surface and coal owner of the SHR37KHSM 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,

Darch Weigen Sarah Weigand

> RECEIVED Office of Oil and Gas NOV 1 5 2021 WW Department of Environmental Protection

WW-6A5 (1/12)

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

	ice: 1121202 Date Per		pplication Filed:		application,
Delivery me	ethod pursuant to West Virginia C	ode §	22-6A-16(e)		
■ CERT	IFIED MAIL	П	HAND		
	IRN RECEIPT REQUESTED		DELIVERY		
Pursuant to return receip the planned required to be drilling of a damages to (d) The notion of notice. Notice is he (at the addres Name: CNX GAddress: 100 Canonsburg, P./	W. Va. Code § 22-6A-16(c), no late of requested or hand delivery, give the operation. The notice required by per provided by subsection (b), section horizontal well; and (3) A propose the surface affected by oil and gas of the surface affected by oil and gas of the surface affected by this section shall be reby provided to the SURFACE Costs listed in the records of the sheriff as Company LLC to CONSOL Energy Drive (A15317).	this sin ten of ed surfaperation given to the surfaperation given	the date for filing to the cowner whose land ubsection shall incluse this article to a surface use and compensus to the extent the date of the surface owner at the surface owner at the compensus to the surface owner at	d will be used for de: (1) A copy ace owner whose sation agreement amages are coment the address list.	
County:	Tyler		UTM NAD 8	Easting: Northing:	513287.726 4356014.578
District:	Centerville		Public Road		Duckworth Ridge Road (CR 58/2)
Quadrangle:	West Union			ed farm name:	CNX
Watershed:	Headwaters Middle Island Creek		_		
Pursuant to to be provide horizontal wasurface affect information	ted by W. Va. Code § 22-6A-10(b) rell; and (3) A proposed surface use eted by oil and gas operations to the related to horizontal drilling may be, located at 601 57th Street, SE,	and co e exter e obta	surface owner whose impensation agreement the damages are continued from the Secret	e land will be un nt containing ar compensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a n offer 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-drilling-number-12
Well Operat	OF: CNX Gas Company LLC		Address:	1000 CONSOL Ene	rgy Drive
Telephone:	724-485-3244		0	Canonsburg, PA 15	317
Email:	SarahWeigand@cnx.com	Wes	Cau Facsimile:		
The Office of duties. Your	personal information may be discl	losed to	o other State agencie	es or third parti	elephone number, as part of our regulatory es in the normal course of business or as aformation 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 Gas NOV 1 5 2021 WN/ Department of Environmental Protection

12/17/2021

TMP 1-17-5				
Surface Owner	Address			
CNIV Con Constant N. C	1000 Consol Energy Drive			
CNX Gas Company LLC	Canonsburg, PA 15317			
Coal Owner	Address			
CNV Coo Comment II C	1000 Consol Energy Drive			
CNX Gas Company LLC	Canonsburg, PA 15317			

WW-6RW (1-12)

CNX # 294099 001

API NO. 47	-	
OPERATOR WELL	NO.	See Exhibit A
Well Pad Name:	SHR 37	

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

erator, CNX GAS COMPANY LLC e be advised that well work permits a	is applying for a permit fr are valid for twenty-four (24)	months.		
water well or developed spring use in six hundred twenty-five feet of ar to house or shelter dairy cattle or p agricultural buildings that existed of section ten of this article or a notice provided, whichever occurs first, and consent of the surface owner transm county commission for the county the secretary from these distance res to be employed during well site con the department requires to ensure the	an occupied dwelling structure poultry husbandry. This lim from the date a notice to the sur- of intent to drill a horizontal to any dwelling under constal in which such property is lo strictions upon submission of instruction, drilling and opera- safety and protection of affect	innal consum, e, or a building nitation is app rface owner o well as provide ruction prior to recorded in the cated. Further a plan which ations. The vected persons as	g two thousand five hun olicable to those wells, if planned entry for sur- ided in subsection (b), so to that date. This limits he real property record rmore, the well operate identifies the sufficien ariance, if granted, sha	ndred square feet or developed springs, veying or staking as ection sixteen of this ation may be waived is maintained by the or may be granted at t measures, facilities all include terms and
attachments consisting of pages on	work on the tract of land as f UTM NAD 83 UTM NAD 83 Public Road A	including the of follows: 3 Easting: 3 Northing: Access:	513265.2620 m 4356027.9910 m Duckworth Ridge Road (CR 5	ontroi pian, n
West Union	Generally use	d farm name:	CNX	
e that I have no objection to the plan	ned work described in these	materials, and under West	d I have no objection to Virginia Code § 22-6A	a permit being -12(a).
E RESTRICTIONS BEING WAI	VED F	OR EXECU	TION BY A NATURA	AL PERSON
NG WATER WELLS	E	Date:		ATT SEAST
LOPED SPRINGS	lo	Company: (CNX Gas Company	RATION, ETC.
LINGS	B	By: Timet	hu Surmick	
ULTURAL BUILDINGS	S	ignature:	121	
OF: CNX GAS COMPANY LLC	Signatur			
noon	Telephor	ne: 724-485-3540	0	
Supervisor				
NWEALTH OF PENNSYLVANIA	The table	efore me this	17 day of D	ecem bu
	e be advised that well work permits a on 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 a garicultural buildings that existed a section ten of this article or a notice provided, whichever occurs first, and consent of the surface owner transm county commission for the county the secretary from these distance rest to be employed during well site come department requires to ensure the rance, bonding and indemnification, A. Surmick, hereby state that sted above, and that I have received attachments consisting of pages on the well plat, all for proposed well west Virginia Tyler Centerville West Virginia Tyler Centerville West Union Headwaters Middle Island Creek et that I have no objection to the plan ose materials and I therefore waive as E RESTRICTIONS BEING WAI's all that apply NG WATER WELLS LINGS ULTURAL BUILDINGS OT: CNX GAS COMPANYLLG	The well plat, all for proposed well work on the tract of land as: West Veryina West Virginia Code § 22-6A-12(a), Wells may not be drilled work on the developed spring used for human or domestic are in six hundred twenty-five feet of an occupied dwelling structure to house or shelter dairy cattle or poultry husbandry. 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Tyle: Centerville West Veryina Tyle: Centerville West Union Headwaters Middle Island Creek that I have no objection to the planned work described in these ose materials and I therefore waive all well site restrictions listed as that apply NG WATER WELLS LOPED SPRINGS LINGS ULTURAL BUILDINGS Signatur Telepho	Typer Centerville West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hun water well or developed spring used for human or domestic animal consumy in six hundred twenty-five feet of an occupied dwelling structure, or a building to house or shelter dairy cattle or poultry husbandry. This limitation is apply agricultural buildings that existed on the date a notice to the surface owner of section ten of this article or a notice of intent to drill a horizontal well as provided, whichever occurs first, and to any dwelling under construction prior to onsent of the surface owner transmitted to the department and recorded in the secretary from these distance restrictions upon submission of a plan which to be employed during well site construction, drilling and operations. The value department requires to ensure the safety and protection of affected persons a rance, bonding and indemnification, as well as technical requirements. WAIVER West Vegnia Typer Centerville West Union Headmaters Middle Island Creek Thave no objection to the planned work described in these materials, and the well plat, all for proposed well work on the treat of land as follows: UTM NAD 83 Northing: Public Road Access: Generally used farm name: Headmaters Middle Island Creek Thave no objection to the planned work described in these materials, and see materials and 1 therefore waive all well site restrictions listed under West its Acceptance of the planter of the structure of the planter; FOR EXECU Company: ERESTRICTIONS BEING WAIVED k all that apply NG WATER WELLS LOPED SPRINGS ULTURAL BUILDINGS Signature: FOR EXECU Company: Its: Acceptance FOR EXECU Company: Its: Acceptance For Execut Signature: Telephone: 724.485-854	The beadvised that well work permits are valid for twenty-four (24) months. On Restrictions West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hundred fifty feet measure, water well or developed spring used for human or domestic animal consumption. The center of we in six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hun to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, agricultural buildings that existed on the date a notice to the surface owner of planned entry for sursection ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section to the surface owner transmitted to the department and recorded in the real property record county commission for the county in which such property is located. Furthermore, the well operate the secretary from these distance restrictions upon submission of a plan which identifies the sufficient to be employed during well site construction, drilling and operations. The variance, if granted, sha are department requires to ensure the safety and protection of affected persons and property. The terms are department requires to ensure the safety and protection of affected persons and property. The terms are developed and indemnification, as well as technical requirements. WAIVER A. Su. Fm.: C.K., hereby state that I have read the Instructions to Persons Named on Page WW-6A: a steed above, and that I have received copies of a Notice of Application, an Application for a Well Wor lattechments consisting of pages one (1) through

or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information for Gas have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@worffoce of Chief Privacy Officer at depprivacyofficer@worffoce

NOV 1 5 2021

W/ Department of Em., nomental Protection

WW-6RW Well Location Restriction Waiver

EXHIBIT A

SHR37HSM

Operator Well No.

SHR37DHSM SHR37EHSM SHR37FHSM SHR37GHSM SHR37HHSM SHR37IHSM SHR37KHSM SHR37LHSM SHR37MHSM SHR37NHSM SHR37NHSM SHR37OHSM SHR37PHSM

SHR37QHSM SHR37RHSM

SAVANAH SMILACK CAMPRELL DEVELOPMENT 2006 E CARSON STREET PITTSBURGH, PA 15203-1902

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

API NO. 47= 7 0 9 5 0 2 7 6 8

OPERATOR WELL NO. SHR37KHSM

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

State:	the well plat, all for proposed well work on the West Virginia	UTM NAD 83 Easting:	Duckworth Ridge Road		
County: District:	Tyler Centerville	Public Road Access: Generally used farm name:			
Quadrangle:	West Union				
Watershed:	Middle Island Creek	Generally used la	rui name.	CNX Gas Company	
	the box that applies	FOR	EXECUT.	ION BY A NATURAL PERSON Oil and Gas	
				ION BY A NATURAL PERSON ON SHIP	
■ SURFA		Signa Print	nture: Name:	NOV 15 2021	
■ SURFAC	CE OWNER	Signa Print Date:	nture: Name:	NOV 1 5 2021 WV Department of Environmental Protect	
■ SURFAC	CE OWNER CE OWNER (Road and/or Other Disturbance)	Signa Print Date:	nture: Name:	NOV 1 5 2021 WV Department of Environmental Protection BY A CORPORATION, ETC.	
■ SURFAC	CE OWNER CE OWNER (Road and/or Other Disturbance CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Signa Print Date: FOR Comp	nture: Name: EXECUT	WV Department of Environmental Protection By A CORPORATION, ETC.	
■ SURFAC □ SURFAC □ SURFAC □ COAL C	CE OWNER CE OWNER (Road and/or Other Disturbance CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Signa Print Date: FOR Comp By:	EXECUTION SARAL	WV Department of Environmental Protection By A CORPORATION, ETC.	

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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

D. Alan Reed, P.E. Charleston, West Virginia 25305-0430 • (304) 558-3505
State Highway Engineer

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 SHR37KHSM 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

Cc: Becky Zachwieja CNX Gas Company

CH, OM, D-6

File

Office of Oil and Gas

WW Department of Environmental Protection

	Section V – Proposed Additives to be used in Fracturing or Stimulations	
Chemical	Chemical Name	CAS No.
	Water	7732-18-
28% HCL Acid	Hydrogen Chloride	7647-01-
	Methyl Alcohol	67-56-1
	N,N-Dimethylformamide	68-12-2
	Ethylene glycol	107-21-
ACI-150	2-Butoxyethanol	111-76-
	Poly(oxy-1,2-ethanediyl),.alpha(4-nonylphenyl)omegahydroxy-,branched	127087-8
	Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70
Γ	Cinnamaldehyde	104-55-
Citation A still E004	Citric Acid	77-92-9
Citric Acid 50%	Water	7732-18
	Alkanes, C16-20-iso	90622-59
StimSTREAM FR 9800	Butene, homopolymer	9003-29
	Ethoxylated alcohols (C12-18)	68213-23
StimSTREAM SC 398	Bis(HexaMethylene Triamine Penta (Methylene Phosphonic Acid) (BHMT)	34690-00
SUITIST REALWI SC 396	Non-hazardous substances	Proprieta
	Glutaraldehyde	111-30-
	Didecyl dimethyl ammonium chloride	7173-51
Clearal 268	Quaternary Ammonium Compounds	68424-8
	Ethanol	64-17-
Γ	Non-hazardous substances	Proprieta
	Heavy Aliphatic Naphtha	64742-90
	TRADE SECRET	Proprieta
VB 625	TRADE SECRET	Proprieta
	TRADE SECRET	Proprieta
	Guar gum	9000-30
Ammonium Persulfate	Ammonium Persulfate	7727-54



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 MAP

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, VW on behalf of CNX Resources Corporation, has been constructed in general conformance to the plans and specifications and, in my professional opinion, is in compliance with applicable laws, codes, and ardinances.



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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CONTROL OF THE THEATHER CHOLD INC.	1	Dec	16-2-15	VPDATED ASSULT
	NC.	Pa.	DATE	DESCRIPTION

WYDEP OOG

ACCEPTED AS-BUILT



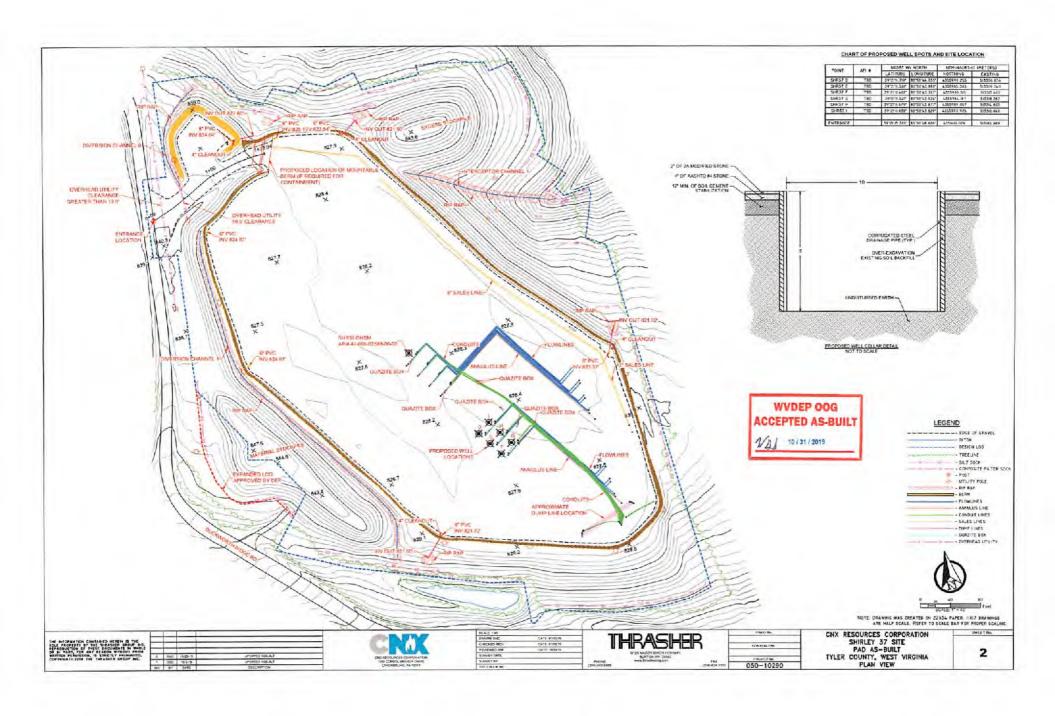
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PRINCIPACION NO.		

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	BURITON WY 20142	
DNE	ness breakering over	FAX

	Proposition	
	CONTRACT No.	
	PROJECT No.	
Ca-Plant	050-10290	

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

CNX RESOURCES CORPORATION	PRETNA
SHIRLEY 37 SITE PAD AS-BUILT	
TYLER COUNTY, WEST VIRGINIA	1
COVER SHEET	-



SHR-37 WELL PAD

Erosion & Sedimentation Control Plan

Centerville District, Tyler County, West Virginia

Prepared For:

SITE ENTRANCE COORDINATES:

CENTER: N39°21'12.90" N39°21'15.37"

W80°50'48.61"

W80°50'44.67" (39.354269,-80.846836) (39.353583,-80.845742)

WELL PAD

CNX GAS COMPANY, LLC

1000 CONSOL Energy Drive Canonsburg, PA 15317

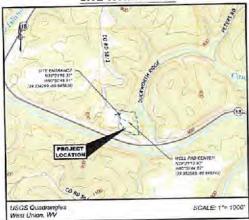
Issue Date: November 19, 2018 Revised: January 16, 2019



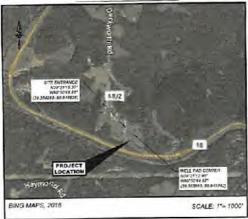
DRAWING SCHEDULE

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
6 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



LANDOWNER IMPACT TABLE

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

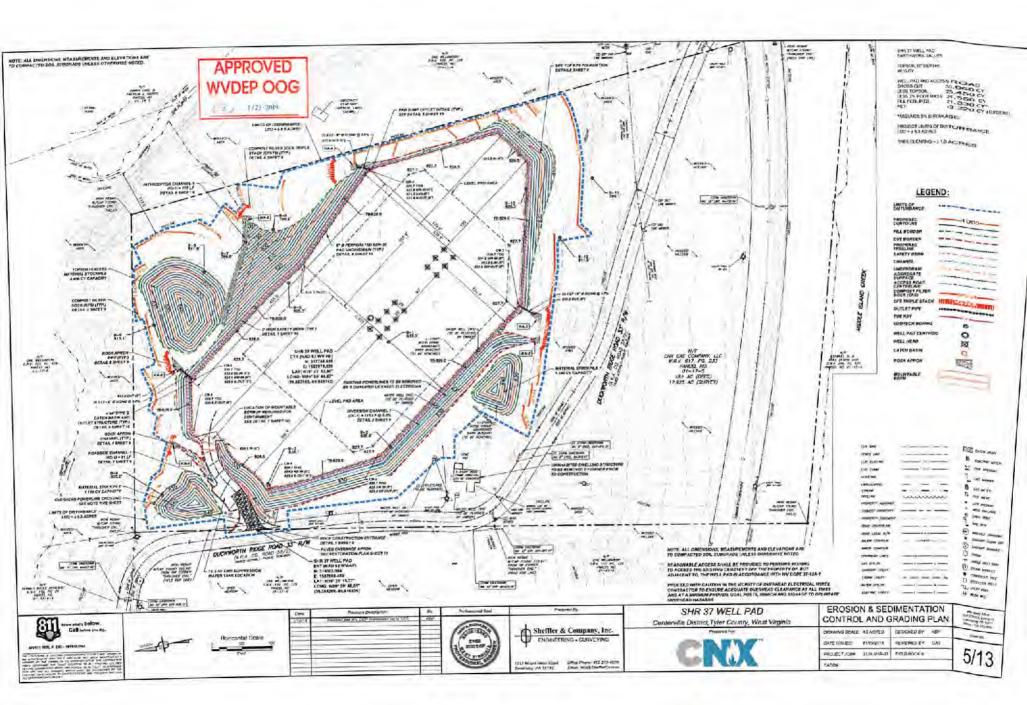




1712 Mt. Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com Cragin Blevins Blevins

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

1/13



National Flood Hazard Layer FIRMette

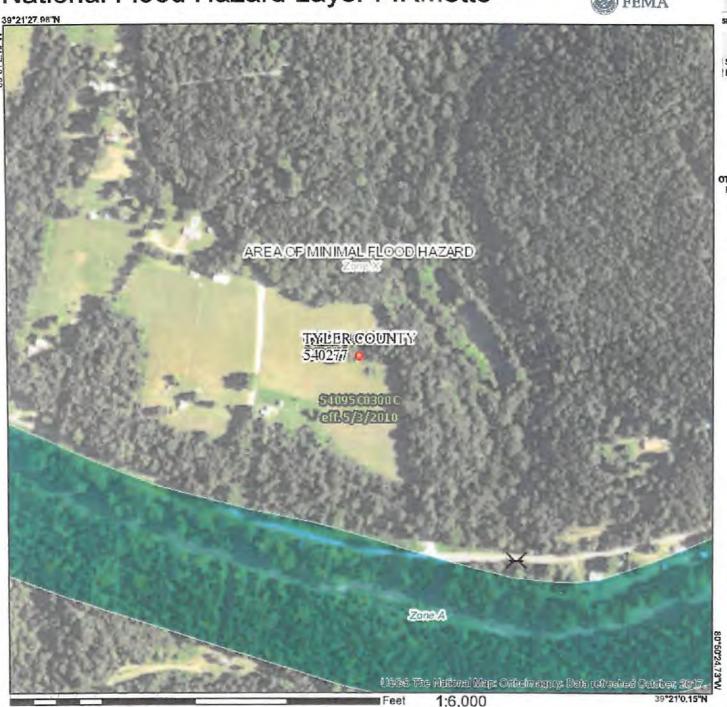
500

250

1,000

1.500





2,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with everage depth less than one foot or with drainage areas of less than one square mile Zone) Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee, See Notes, Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zons GENERAL --- Channel, Culvert, or Storm Sewer STRUCTURES | | | | Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation (6)- - - Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary --- Coastal Transect Baseline OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped



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

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