

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO.: VGOB 17-0620-4126

RELIEF SOUGHT: POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: June 20, 2017

UNIT NUMBER: J-33
IN THE OAKWOOD COALBED METHANE GAS FIELD I

BUCHANAN COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 627 Claypool Hill Mall Road, Cedar Bluff, Virginia, 24609. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Pooling under Oakwood Coalbed Methane Gas Field I and authorization to drill, subject to permits being issued by the Director of the Division of Gas and Oil, the three wells shown on Exhibit A.

3. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq. 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.

4. **Type of well(s):** Coalbed methane, including increased density wells required by mining plans. Va. Code Ann. §45.1-361.20.C.

5. **Permit numbers, if any:**

6. **Plat:** Annexed hereto are Exhibit A and the Tract Identifications for Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The plat is certified by a licensed professional engineer and is attested by the undersigned on behalf of the applicant to be in conformity with existing orders issued by the Board.

7. **Status of interests to be pooled/re-pooled and Applicant' standing:** The respondents whose interests are sought to be pooled/re-pooled by the Applicant are:

Brenda Gaye Ward, Kristine Newell, Tyler E. Newell, Robert Chance Newell, Mary E. Ward Rife; Buchanan County School Board; James S. & Emily Anita Brown, et ux

Further, said respondents are listed in Exhibit B-3 hereto which describes their interests/claims. The respondents and others, if any, whose interests are subject to escrow under §45.1-361.21.D. are identified at Exhibit E. The annexed Exhibit B-3 at pages 2 and 3 sets forth the total interest(s) held by Applicant in the unit.

8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Tiller seam of coal all as more particularly described in the annexed proposed order. The estimated total production from subject unit is **125 to 550** MMCF. The estimated amount of reserves from the subject drilling unit is **125 to 550** MMCF. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose. It should not be assumed that final production before plugging and abandonment will equal estimated reserves.

9. **Estimate of allowable costs:** **\$678,179.00 (J33A \$316,410.00 & J33B \$361,769.00); which does not include estimate of costs associated with J33.** See Exhibit C which estimates/reports the costs associated with three frac wells. The estimated costs associated with J33 are not included in the cost allocation for persons who elect to participate or be carried in this Oakwood I frac unit. To the extent additional wells may be required by mine plans in the Buchanan No. 1 Mine, the costs of any such additional wells as may be permitted by the Division of Gas and Oil, in accordance with the provisions of §45.1-361.20.C., Code of Virginia, will not be allocated for frac well production to the subject unit by the Operator. The mine plans anticipate Oakwood II production and at that point the Unit will need to be re-pooled to allocate that type of production and the well(s) costs associated with panel(s) production.

10. **Attestation:** The foregoing application, to the best of my knowledge, information, and belief, is true and correct. -

CNX GAS COMPANY LLC
BY ITS PROFESSIONAL MANAGER
CNX GAS COMPANY LLC, PETITIONER

By: 

Anita D. Duty
Pooling Supervisor
627 Claypool Hill Mall Road
Cedar Bluff, Virginia 24609

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO. VGOB 17-0620-4126

RELIEF SOUGHT: POOLING

UNIT NUMBER: J-33

NOTICE OF HEARING

HEARING DATE: June 20, 2017
PLACE: Russell County Conference Center
135 Highlands Drive
Lebanon, Virginia 24266
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Brenda Gaye Ward, Kristine Newell, Tyler E. Newell, Robert Chance Newell, Mary E. Ward Rife; Buchanan County School Board; James S. & Emily Anita Brown, et ux*

1. **Applicant and its counsel:** Applicant is **CNX Gas Company LLC**, 627 Claypool Hill Mall Road, Cedar Bluff, Virginia, 24609. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Pooling and authorization to drill, subject to permits being issued by the Director of the Division of Gas and Oil, the three wells shown on Exhibit A.

3. **Proposed provisions of order:** (a) Pooling all the interests and estates of the persons named above in coalbed methane in the unit in question; (b) Establishing a procedure whereby each respondent shall have the right to make elections; (c) Providing that any respondent who does not make a timely election shall be deemed to have leased or assigned his coalbed methane gas interests to the applicant at a rate to be established by the Board; (d) Designating CNX Gas Company LLC as Unit Operator; (e) Making any necessary provisions for the escrow of funds; (f) Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

4. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq. 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.

5. **Type of well(s):** Coalbed methane.

6. **Plat:** Annexed hereto are Exhibit A, Exhibit A1 and the Tract Identifications for Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The Tract Identification page shows the percentage of acreage in each tract. The plat is certified by a licensed professional engineer and is attested by the undersigned on behalf of the applicant to be in conformity with existing orders issued by the Board.

7. **Your interest or claim sought to be pooled by this Application pertains to coalbed methane gas.**

8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Tiller seam of coal all as more particularly described in the annexed proposed order. The estimated total production from subject unit is **125 to 550** MMCF. The estimated amount of reserves from the subject drilling unit is **125 to 550** MMCF. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose. It should not be assumed that final production before plugging and abandonment will equal estimated reserves.

9. **Estimate of allowable costs:** **\$678,179.00 (J33A \$316,410.00 & J33B \$361,769.00); which does not include estimate of costs associated with J33.**

10. **Attestation:** The foregoing application to the best of my knowledge, information, and belief is true and correct.

NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at 9:00 AM, on **June 20, 2017**, at the Russell County Government Conference Center, 139 Highlands Drive, Lebanon, Virginia 24266, and that notice will be published as required by law and the Rules of the Board.

NOTICE IS FURTHER GIVEN that you may attend this hearing, with or without an attorney, and offer evidence or state any comments you have. For further information or a copy of the Application and Exhibits, either contact the Virginia Gas and Oil Board, State Oil and Gas Inspector, Department of Mines, Minerals and Energy, the Division of Gas and Oil, 135 Highland Drive, Lebanon, Virginia 24266, 276/415-9650 or the Applicant at the address shown below.

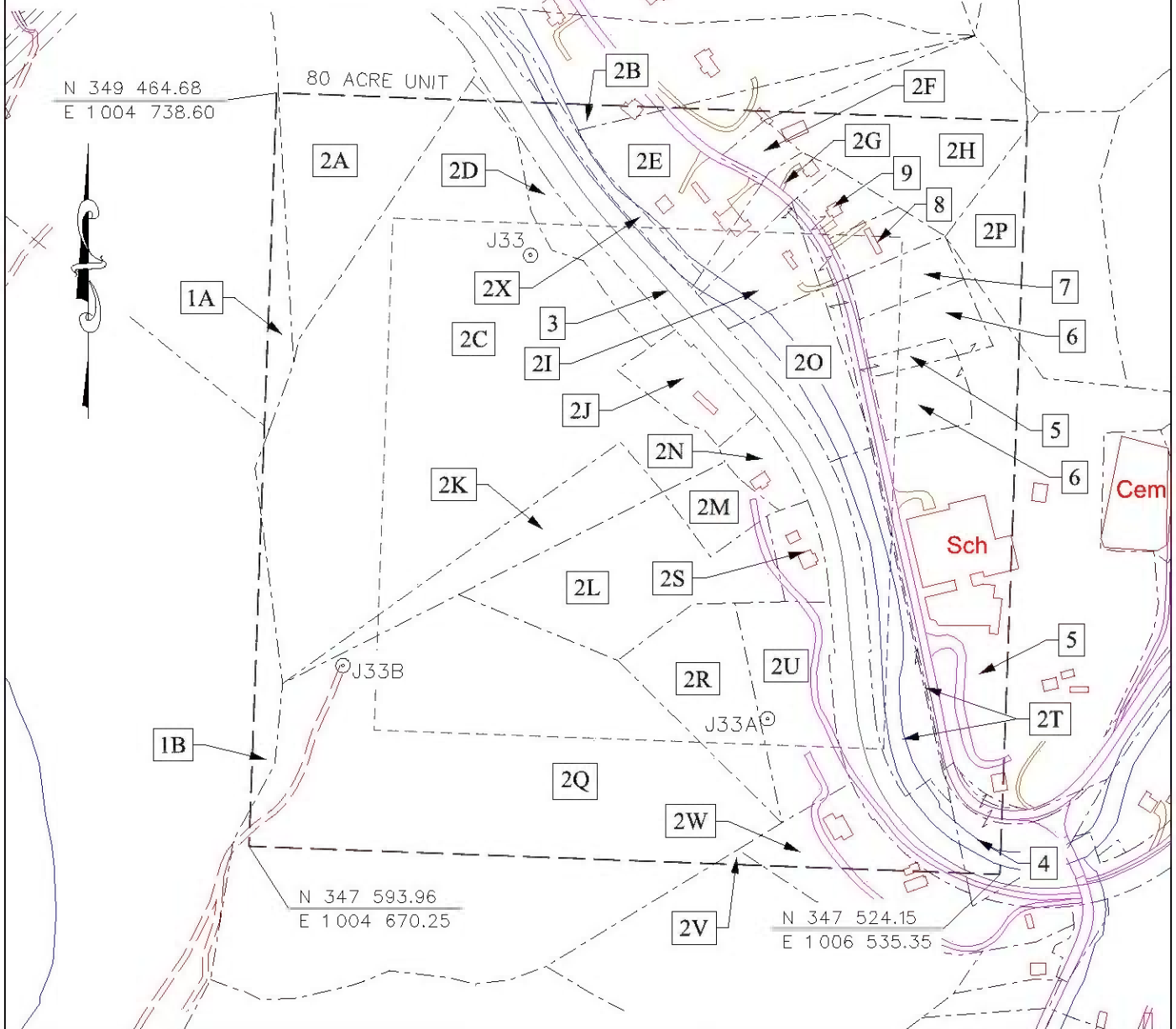
DATED: 5/4/17



CNX GAS COMPANY LLC
BY ITS PROFESSIONAL MANAGER
CNX GAS COMPANY LLC, PETITIONER

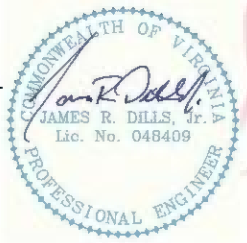
By: 

Anita D. Duty
Pooling Supervisor
627 Claypool Hill Mall Road
Cedar Bluff, Virginia 24609

PROPERTY LINES SHOWN ON THIS PLAT WERE PROVIDED BY CNX GAS LLC AND WERE TAKEN FROM DEED DESCRIPTIONS AND CHAIN OF TITLE OF RECORD IT DOES NOT REPRESENT A CURRENT BOUNDARY SURVEY. THE CERTIFICATION HEREON CERTIFIES THE LOCATION OF THE PROPOSED WELL ONLY.



 CBM WELL
 PROPOSED CBM WELL



Digitally signed by James R Dills Jr.
 DN: c=US, o=IdenTrust ACES
 Business Representative, ou=D. R.
 PRICE ENGINEERING AND LAND
 SURVEYING INC PC, cn=James R
 Dills Jr.,
 0.9.2342.19200300.100.1.1=A0109
 690000012E01701153000027EA
 Date: 2017.04.28 13:08:56 -04'00'

EXHIBIT A
 OAKWOOD FIELD
 UNIT J33
 FORCE POOLING
 VGOB-17-0620-4126

Company CNX Gas Company LLC Well Name and Number UNIT J33
 Tract No. _____ Elevation _____ Quadrangle KEEN MOUNTAIN
 County BUCHANAN District GARDEN Scale: 1" = 400' Date 4/28/17
 This plat is a new plat X ; an updated plat _____ ; or a final plat _____

Form DGO-GO-7 _____ (Affix Seal)
 Rev. 9/91 Licensed Professional Engineer or Licensed Land Surveyor

CNX Gas Company LLC
UNIT J33
Tract Identifications

1. C.L. Ritter Lumber Company Tr. 37 (126.30 Acre Tract) – All Minerals
Island Creek Coal Company – All seams of coal underlying the Tiller seam except the P3 Leased
Buchanan Mining Company, LLC – P3 seam Leased
Revelation Energy, LLC – Tiller Seam and Above Coal Leased
Energy Corporation of America – Oil and Gas Leased
CNX Gas Company LLC – CBM Leased
1.39 Acres 1.7375%

1A. Jewell Smokeless Coal Corporation – Surface
1B. Jewell Smokeless Coal Corporation – Surface

2. Buchanan Mining Company LLC, et al Big Vein Tr. 141 (394.75 Acre Tract) – Coal
Island Creek Coal Company – Coal Below Tiller Seam Leased
Buchanan Mining Company LLC – P3 Seam Sub-leased
Revelation Energy, LLC – Tiller and Above Coal Leased
Highland Resources/North American Resources Corporation, et al – Oil and Gas
Cities Service Oil and Gas Corporation – Oil and Gas Leased
Plum Creek Timberland (1/3) – CBM
CNX Gas Company LLC – CBM Leased
62.69 Acres 78.3625%

2A. Unknown Surface Owner
2B. Unknown Surface Owner
2C. Unknown Surface Owner
2D. Unknown Surface Owner
2E. Unknown Surface Owner
2F. Unknown Surface Owner
2G. Unknown Surface Owner
2H. Unknown Surface Owner
2I. Unknown Surface Owner
2J. Unknown Surface Owner
2K. Billy Alan Honaker, et ux – Surface
2L. Unknown Surface Owner
2M. Unknown Surface Owner
2N. Unknown Surface Owner
2O. Unknown Surface Owner
2P. Unknown Surface Owner
2Q. Billy A. Honaker – Surface
2R. Billy A. Honaker, et ux – Surface
2S. Unknown Surface Owner
2T. Unknown Surface Owner
2U. Unknown Surface Owner
2V. Unknown Surface Owner
2W. Unknown Surface Owner
2X. Unknown Surface Owner

"This title block is for general informational purposes only and does not reflect an analysis of the severance deed and its effect upon coal bed methane ownership and should not be relied upon for such purpose."

**CNX Gas Company LLC
UNIT J33
Tract Identifications**

3. Norfolk Southern Railway – All Minerals except Coal 800 feet and below
Buchanan Mining Company LLC, et al Big Vein Tr. 141 (394.75 Acre Tract) – Coal 800 Feet and Below
Island Creek Coal Company – Coal Below Tiller Seam Leased
Buchanan Mining Company LLC – P3 Seam Sub-leased
Revelation Energy, LLC – Tiller and Above Coal Leased
CNX Gas Company LLC – CBM Leased
5.19 Acres 6.4875%

4. Norfolk Southern Railway – Fee
Buchanan Mining Company LLC – P3 Seam Sub-leased
CNX Gas Company LLC – CBM Leased
0.58 Acres 0.7250%

5. Clarke L. Ward, Trustee under will of Stella M. Ward – Minerals
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased
CNX Gas Company LLC – Oil, Gas and CBM Leased
Unknown Surface Owner
6.59 Acres 8.2375%

6. Brenda Gaye Ward, et al – Minerals
Unknown Surface Owner
1.72 Acres 2.1500%

7. Buchanan County School Board – Fee
0.69 Acres 0.8625%

8. James S. Brown, et ux – Fee
0.57 Acres 0.7125%

9. James S. Brown – Fee
0.58 Acres 0.7250%

"This title block is for general informational purposes only and does not reflect an analysis of the severance deed and its effect upon coal bed methane ownership and should not be relied upon for such purpose."

Exhibit B
Unit J-33
VGOB# 17-0620-4126
List of all Owners/Claimants

		Acres in Unit	Percent of Unit
I. COAL OWNERSHIP			
<u>Tract #1, 1.39 Acres</u>			
(1)	C. L. Ritter Lumber Company <i>Tr. 37 (126.30 Acre Tract)</i> P.O. Box 700 Huntington, WV 25711	1.39 acres	1.7375%
<u>Tract #2, 62.69 Acres</u>			
(1)	Buchanan Mining Company LLC, et al <i>Big Vein Tr. 141 (394.75 Acre Tract)</i>	62.69 acres	78.3625%
(a)	Yukon Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	31.35 acres 1/2 of 62.69 acres	39.1813%
(b)	Buchanan Coal Company P.O. Box 187 Tazewell, VA 24651	6.97 acres 1/9 of 62.69 acres	8.7069%
(c)	Sayers-Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	3.48 acres 1/18 of 62.69 acres	4.3535%
(d)	Buchanan Mining Company 10545 Riverside Dr. Oakwood, VA 24631	20.90 acres 1/3 of 62.69 acres	26.1208%
<i>Note: Plum Creek Timberlands retained their CBM interest, there is no conflict. The royalty for (d) is to be paid to Plum Creek.</i>			
<u>Tract #3, 5.19 Acres</u>			
(1)	Norfolk Southern Railway (<i>exc. Coal bel. 800'</i>) Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	5.19 acres	6.4875%
X (2)	Buchanan Mining Company LLC, et al (<i>Coal bel. 800'</i>) <i>Big Vein Tr. 141 (394.75 Acre Tract)</i>	5.19 acres	6.4875%
(a)	Yukon Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	2.60 acres 1/2 of 5.19 acres	3.2438%
(b)	Buchanan Coal Company P.O. Box 187 Tazewell, VA 24651	0.58 acres 1/9 of 5.19 acres	0.7208%
(c)	Sayers-Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	0.29 acres 1/18 of 5.19 acres	0.3604%
(d)	Buchanan Mining Company 10545 Riverside Dr. Oakwood, VA 24631	1.73 acres 1/3 of 5.19 acres	2.1625%
<i>Note: Plum Creek Timberlands retained their CBM interest, there is no conflict. The royalty for (d) is to be paid to Plum Creek.</i>			
<u>Tract #4, 0.58 Acres</u>			
(1)	Norfolk Southern Railway Company Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	0.58 acres	0.7250%
<u>Tract #5, 6.59 Acres</u>			
(1)	Clarke L. Ward, Trustee Stella M. Ward Heirs 5536 Lansing Dr Charlotte, NC 28226	6.59 acres	8.2375%
<u>Tract #6, 1.72 Acres</u>			
(1)	Brenda Gaye Ward, et al	1.72 acres	2.1500%
(a)	Ted Ward Heirs, Devisees, Successors or Assigns		
(a.1)	Brenda Gaye Ward 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%

Exhibit B
Unit J-33
VGOB# 17-0620-4126
List of all Owners/Claimants

	Acres in Unit	Percent of Unit
(a.2) Wanda Gail Newell Heirs, Devises, Successors or Assigns		
(a.2.1) Kristine Newell 1950 Simmons St Las Vegas, NV 89106	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.2) Tyler E. Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.3) Robert Chance Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.3) Mary E. Ward Rife 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%
<u>Tract #7, 0.69 Acres</u>		
(1) Buchanan County School Board PO Box 833 Grundy, VA 24614	0.69 acres	0.8625%
<u>Tract #8, 0.57 Acres</u>		
(1) James S. & Emily Anita Brown, et ux 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.57 acres	0.7125%
<u>Tract #9, 0.58 Acres</u>		
(1) James S. Brown 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.58 acres	0.7250%
II. OIL & GAS OWNERSHIP		
		100.0000%
<u>Tract #1, 1.39 Acres</u>		
(1) C. L. Ritter Lumber Company Tr. 37 (126.30 Acre Tract) P.O. Box 700 Huntington, WV 25711	1.39 acres	1.7375%
<i>Oil & Gas estates leased by Energy Corporation of America</i>		
<u>Tract #2, 62.69 Acres</u>		
(1) Buchanan Mining Company LLC, et al <i>Big Vein Tr. 141 (394.75 Acre Tract)</i>	62.69 acres	78.3625%
(a) Yukon Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	31.35 acres 1/2 of 62.69 acres	39.1813%
(b) Buchanan Coal Company P.O. Box 187 Tazewell, VA 24651	6.97 acres 1/9 of 62.69 acres	8.7069%
(c) Sayers-Pocahontas Coal Company P.O. Box 187 Tazewell, VA 24651	3.48 acres 1/18 of 62.69 acres	4.3535%
(d) Highland Resources, Inc/ North American Resources, Corp. 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	20.90 acres 1/3 of 62.69 acres	26.1208%
Note: Plum Creek Timberlands retained their CBM interest, there is no conflict. The royalty for (d) is to be paid to Plum Creek. Oil & Gas Estates leased by Cities Service Oil & Gas Corporation		
<u>Tract #3, 5.19 Acres</u>		
(1) Norfolk Southern Railway Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	5.19 acres	6.4875%
<u>Tract #4, 0.58 Acres</u>		
(1) Norfolk Southern Railway Company Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	0.58 acres	0.7250%

Exhibit B
Unit J-33
VGOB# 17-0620-4126
List of all Owners/Claimants

	Acres in Unit	Percent of Unit
<u>Tract #5, 6.59 Acres</u>		
(1) Clarke L. Ward, Trustee Stella M. Ward Heirs 5536 Lansing Dr Charlotte, NC 28226	6.59 acres	8.2375%
<u>Tract #6, 1.72 Acres</u>		
(1) Brenda Gaye Ward, et al	1.72 acres	2.1500%
(a) Tad Ward Heirs, Deviseses, Successors or Assigns		
(a.1) Brenda Gaye Ward 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%
(a.2) Wanda Gail Newell Heirs, Deviseses, Successors or Assigns		
(a.2.1) Kristine Newell 1950 Simmons St Las Vegas, NV 89106	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.2) Tyler E. Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.3) Robert Chance Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.3) Mary E. Ward Rife 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%
<u>Tract #7, 0.69 Acres</u>		
(1) Buchanan County School Board PO Box 833 Grundy, VA 24614	0.69 acres	0.8625%
<u>Tract #8, 0.57 Acres</u>		
(1) James S. & Emily Anita Brown, et ux 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.57 acres	0.7125%
<u>Tract #9, 0.58 Acres</u>		
(1) James S. Brown 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.58 acres	0.7250%

Exhibit B-3
Unit J-33
Docket # VGOB 17-0620-4126
List of all Unleased Owners/Claimants

	Acres in Unit	Percent of Unit
II. <u>OIL & GAS OWNERSHIP</u>		
<u>Tract #6, 1.72 Acres</u>		
(1) Brenda Gaye Ward, et al	1.72 acres	2.1500%
(a) Ted Ward Heirs, Devisees, Successors or Assigns		
(a.1) Brenda Gaye Ward 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%
(a.2) Wanda Gail Newell Heirs, Devisees, Successors or Assigns		
(a.2.1) Kristine Newell 1950 Simmons St Las Vegas, NV 89106	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.2) Tyler E. Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.2.3) Robert Chance Newell 10220 Ridge Top Loop Weeki Wachee, FL 34613	0.19 acres 1/9 of 1.72 acres	0.2389%
(a.3) Mary E. Ward Rife 4793 Patterson Rd Oakwood, VA 24631	0.57 acres 1/3 of 1.72 acres	0.7167%
<u>Tract #7, 0.69 Acres</u>		
(1) Buchanan County School Board PO Box 833 Grundy, VA 24614	0.69 acres	0.8625%
<u>Tract #8, 0.57 Acres</u>		
(1) James S. & Emily Anita Brown, et ux 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.57 acres	0.7125%
<u>Tract #9, 0.58 Acres</u>		
(1) James S. Brown 14263 Dismal River Rd Pilgrims Knob, VA 24634	0.58 acres	0.7250%
<u>TOTAL OIL & GAS ESTATE:</u>		
Acreeage in Unit Unleased	3.56	
Percentage of Unit Unleased		4.4500%

Company: CNX Gas Company LLC

Virginia Gas And Oil Template -- Estimated Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	J33	Field:	Oakwood	Completed By:	R.E. Staton
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	4/24/17
Expected Pay Zones:	coal seams below Tiller Incl. Poca 3 and Squire	Estimated Total Depth:	1,800 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.J.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$35,000	\$0	\$35,000
		Roads / Stone / Culverts	\$45,000	\$0	\$45,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$45,000	\$0	\$45,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$3,000	\$0	\$3,000
		Cement Intermediate casing	\$5,700	\$0	\$5,700
		Open Hole Logging & Testing	\$4,200	\$0	\$4,200
		Trucking / Dozer (Drilling)	\$0	\$0	\$0
		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
		Drilling - Bits	\$0	\$0	\$0
		Technical Supervision (Drilling)	\$0	\$0	\$0
		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
		Overhead Rate	\$0	\$0	\$0
		Misc. & Contingencies	\$0	\$3,000	\$3,000
		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$82,000	\$82,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$143,200	\$88,800	\$232,000

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8" Conductor 75 Ft	\$7,500	\$0	\$7,500
		9 5/8" 26 lb/ft LS Surface Csg 0 Ft	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg 300 Ft	\$3,549	\$0	\$3,549
		4 1/2" 9.5 lb/ft M-65 Production Csg 1,800 Ft	\$13,500	\$0	\$13,500
		4 1/2" 10.5 lb/ft M-65 Production Csg 20 Ft	\$1,200	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing 1,750 Ft	\$0	\$12,723	\$12,723
		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200
		Tank Battery	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000
		Sales line labor/mat/row	\$0	\$5,000	\$5,000
		TOTAL TANGIBLES	\$25,749	\$67,923	\$93,672

GRAND TOTAL WELL COST			\$168,949	\$156,723	\$325,672
153	115	Plugging & Abandonment	\$25,000		
			Production Costs :	\$325,672	Dry Hole Costs :
					\$193,949

Prepared by: Bob Staton Title Permit Agent Date 4/28/17

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.

Company: CNX Gas Company LLC

Virginia Gas And Oil Template – Estimated Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	J33A	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	4/24/17
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	1,800 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.I.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$35,000	\$0	\$35,000
		Roads / Stone / Culverts	\$35,000	\$0	\$35,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$45,000	\$0	\$45,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$3,000	\$0	\$3,000
N		Cement Intermediate casing	\$5,700	\$0	\$5,700
T		Open Hole Logging & Testing	\$4,200	\$0	\$4,200
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$82,000	\$82,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$133,200	\$88,800	\$222,000

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8" Conductor	75 Ft	\$7,500	\$7,500
		9 5/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	300 Ft	\$3,549	\$3,549
		4 1/2" 9.5 lb/ft M-65 Production Csg	1,850 Ft	\$13,875	\$13,875
		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	1,800 Ft	\$0	\$13,086
		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200
		Tank Battery	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nlp	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000
		Sales line labor/material	\$0	\$5,000	\$5,000
		TOTAL TANGIBLES	\$26,124	\$68,286	\$94,410
		GRAND TOTAL WELL COST	\$159,324	\$157,086	\$316,410

153	115	Plugging & Abandonment	\$25,000	
Production Costs :			\$316,410	Dry Hole Costs :
				\$184,324

Prepared by: Bob Stator Title Permit Agent Date 4/28/17

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.

Company: CNX Gas Company LLC

Virginia Gas And Oil Template – Estimated Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	J33B	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	4/24/17
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	2,200 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.L.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$50,000	\$0	\$50,000
		Roads / Stone / Culverts	\$45,000	\$0	\$45,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$55,000	\$0	\$55,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$3,000	\$0	\$3,000
N		Cement Intermediate casing	\$5,700	\$0	\$5,700
T		Open Hole Logging & Testing	\$4,200	\$0	\$4,200
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$82,000	\$82,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$168,200	\$88,800	\$257,000

Code	Code	Description	Casing Point	Completion	Total Cost
T		13 3/8" Conductor	75 Ft	\$7,500	\$7,500
A		9 5/8" 26 lb/ft LS Surface Csg	480 Ft	\$3,490	\$3,490
N		7" 19 lb/ft LS Intermediate Csg	630 Ft	\$7,453	\$7,453
G		4 1/2" 9.5 lb/ft M-65 Production Csg	2,100 Ft	\$15,750	\$15,750
I		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$1,200
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	1,950 Ft	\$0	\$14,177
L		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200
E		Tank Battery	\$0	\$0	\$0
S		Separator / Heater / Treater	\$0	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000
		Sales line labor/mat/row	\$0	\$5,000	\$5,000
		TOTAL TANGIBLES	\$35,393	\$69,377	\$104,769

GRAND TOTAL WELL COST			\$203,593	\$158,177	\$361,769
153	115	Plugging & Abandonment	\$25,000		
			Production Costs :	\$361,769	Dry Hole Costs :
					\$228,593

Prepared by: Bob Stator Title Permit Agent Date 4/28/17

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.

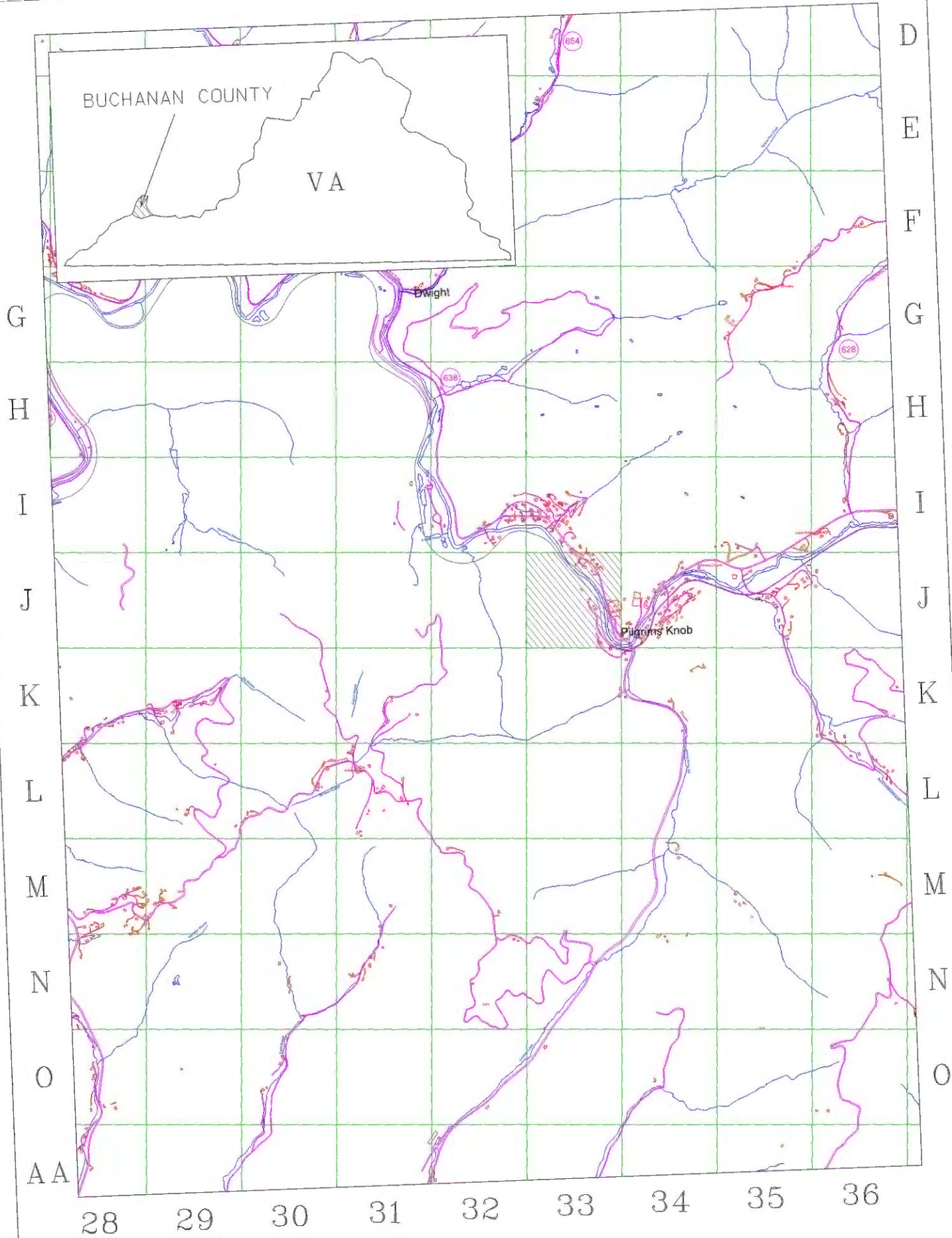


EXHIBIT A1
UNIT J-33
VGOB 17-0620-4126
Page Number 15.

May 2, 2017

Department of Mines, Minerals and Energy
Division of Gas and Oil
Attn: Rick Cooper, *Director*
135 Highlands Drive
Lebanon, VA 24266

Re: CBM Well Application J33A

Dear Mr. Cooper;

CNX Gas Company LLC is requesting a location exception for the above referenced proposed well. The proposed well cannot be located within the drilling window due to excessively steep topography and residential structures surrounded by sloping topography. These conditions would not be safe for construction personnel, equipment and the residential public. The proposed well is approximately 77 feet outside of the drilling window.

Therefore, based on these conditions, we hereby request a drilling unit location exception be granted for this well; for the prevention of waste of the natural resource, to protect correlative rights of the gas owners, and maximize the recovery of gas reserves beneath the unit. (see attached exhibit).

Sincerely,

Bob Staton

Bob Staton, M.S., P.G.
Permitting Agent

Cc: Anita Duty, file J33A