

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL  
DOCKET NO.: VGOB 02-1119-1093-02

RELIEF SOUGHT: RE-POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: June 19, 2018

UNIT NUMBER: K-37

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:** Re-Pooling under Oakwood Coalbed Methane Gas Field I.

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 as required by mining plans.

5. **Permit numbers, if any:** K37 Permit# 5402-04, K37A Permit# 11802, K37B Permit# 12304, and K37D Permit# 12628

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:

*Buck Jewell Resources, LLC; Caroline Cole Keen, et al including Edith G. Street, Martha E. Combs Trust, Fred H. Combs II Testamentary Trust, CIPL, LP, Island Creek Coal Company, Nancy Cole, James W. Burress, Margaret M. Davis, BW McDonald Testamentary Trust, Byrd W. McDonald II, Timothy J. McDonald, Tamala Pelphrey Gregory B. McDonald, Greta Meek, Larry Dean Cole, Mary F. Harris, Kimberly Willis, Donald Stephen Cole, Kenneth Edward Cole, Norma Cole Dotson, Caroline Cole Keen, Teena Cooper, Rita Gail Cooper, Thelma G. Cooper, Teresa Lynn Rogers, Thurman G. Cooper Jr., Terry Allen Cooper, Karen Cooper Rowe, Sharon Cooper Daniels, Melanie D. Cooper, Corey S. Cooper, Byron D. Cooper, Jewell Smokeless Coal Corporation; Yukon Pocahontas/Buchanan/Sayers Coal Company; Weyerhaeuser NR Company*

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:** **\$1,645,835.00 (Well(s) K37 \$349,455.00, K37A \$329,140.00, K37B \$323,661.00, K37C \$342,188.00, and K37D \$301,391.00)**  
See Exhibit C which estimates/reports the costs associated with five frac wells. 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.

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: *Sherri R. Scott*

**Sherri R. Scott**  
Manager – Land Records, Division Orders, &  
Pooling  
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 02-1119-1093-02

RELIEF SOUGHT: RE-POOLING

UNIT NUMBER: K-37

NOTICE OF HEARING

HEARING DATE: June 19, 2018  
PLACE: Russell County Conference Center  
135 Highlands Drive  
Lebanon, Virginia 24266  
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Buck Jewell Resources, LLC; Caroline Cole Keen, et al including Edith G. Street, Martha E. Combs Trust, Fred H. Combs II Testamentary Trust, CIPL, LP, Nancy Cole, James W. Burress, Margaret M. Davis, BW McDonald Testamentary Trust, Byrd W. McDonald II, Timothy J. McDonald, Tamala Pelphrey Gregory B. McDonald, Greta Meek, Larry Dean Cole, Mary F. Harris, Kimberly Willis, Donald Stephen Cole, Kenneth Edward Cole, Norma Cole Dotson, Caroline Cole Keen, Teena Cooper, Rita Gail Cooper, Thelma G. Cooper, Teresa Lynn Rogers, Thurman G. Cooper Jr., Terry Allen Cooper, Karen Cooper Rowe, Sharon Cooper Daniels, Melanie D. Cooper, Corey S. Cooper, Byron D. Cooper; Yukon Pocahontas/Buchanan/Sayers Coal Company; Weyerhaeuser NR Company*

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:** Re-Pooling

3. **Proposed provisions of order:** (a) Re-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: \$1,645,835.00 (Well(s) K37 \$349,455.00, K37A \$329,140.00, K37B \$323,661.00, K37C \$342,188.00, and K37D \$301,391.00)

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 19, 2018**, 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: May 15<sup>th</sup>, 2018

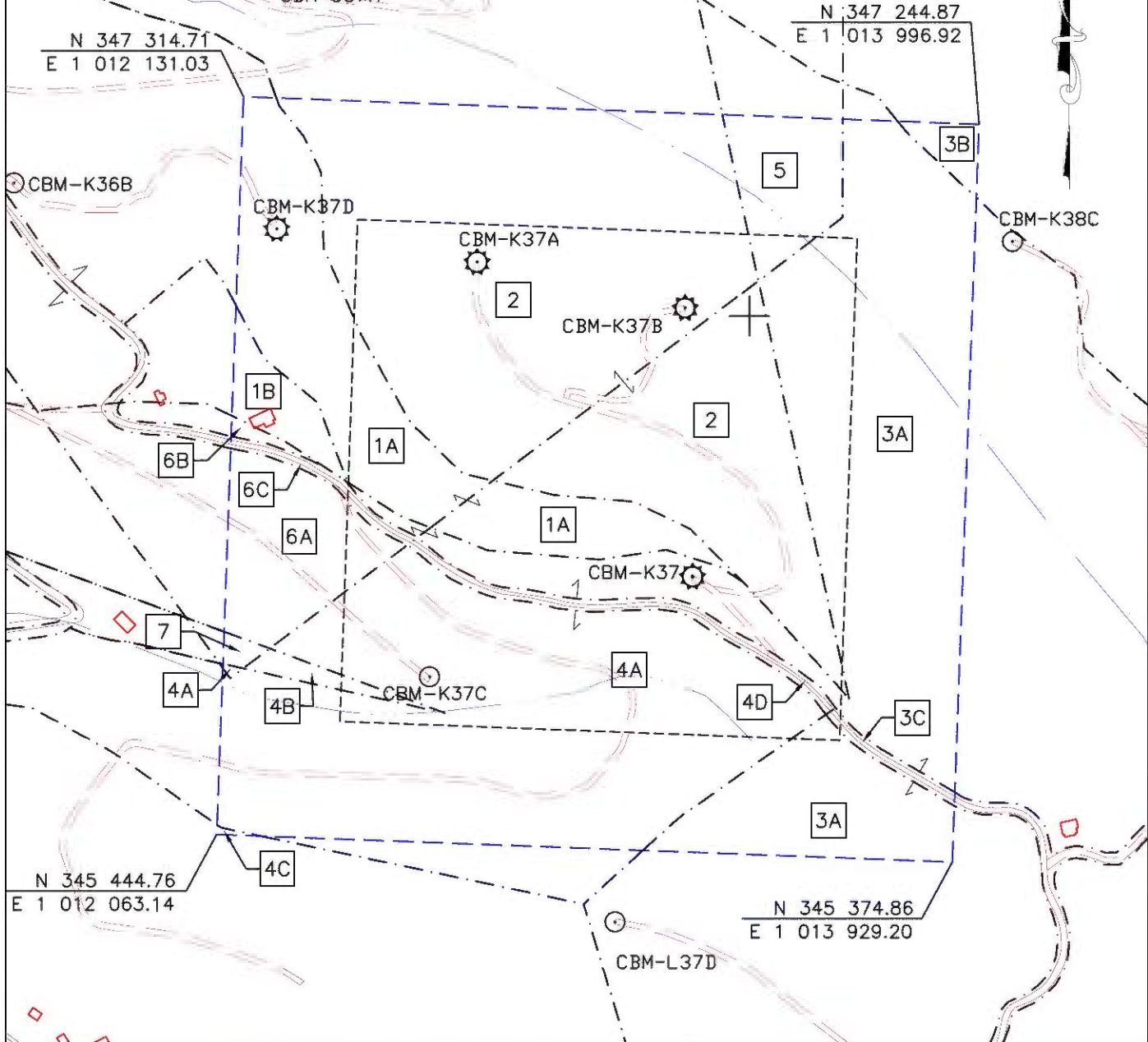
**CNX GAS COMPANY LLC**  
BY ITS PROFESSIONAL MANAGER  
CNX GAS COMPANY LLC, PETITIONER

By: Sherri R. Scott

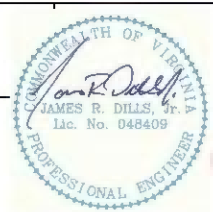
**Sherri R. Scott**  
**Manager – Land Records, Division**  
**Orders, & Pooling**  
627 Claypool Hill Mall Road  
Cedar Bluff, Virginia 24609

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

CBM-J37A



- CBM WELL
- PROPOSED CBM WELL



Digitally signed by James R Dills Jr.  
 DN: c=US, o=D. R. PRICE ENGINEERING AND LAND SURVEYING INC PC, ou=D. R. PRICE ENGINEERING AND LAND SURVEYING INC PC, cn=James R Dills Jr., 0.9.2342.19200300.100.1.1=A0109690 000012E01701153000027EA Date: 2018.05.21 10:56:03 -04'00'

EXHIBIT A  
 OAKWOOD FIELD  
 UNIT K37  
 FORCE POOLING  
 VGOB-02-1119-1093-02

Company CNX GAS COMPANY, LLC Well Name and Number UNIT K37  
 Tract No. \_\_\_\_\_ Elevation \_\_\_\_\_ Quadrangle KEEN MOUNTAIN  
 County BUCHANAN District GARDEN Scale: 1" = 400' Date 5-15-18  
 This plat is a new plat \_\_\_\_\_ ; an updated plat X ; 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 K 37

### Tract Identifications

1. Buck Jewell Resources, LLC (100 Acre Tract) – All Minerals except Coal in Jawbone Seam  
Revelation Energy, LLC – Jawbone Seam  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Appalachian Energy – Oil and Gas Leased  
Appalachian Energy – CBM Leased (CNX deemed leased via JOA)  
8.65 Acres      10.8125%
- 1A. Buck Jewell Resources, LLC – Surface
- 1B. Unknown Surface Owner
2. Caroline Cole Keen, et al (164.56 Acre Tract) – All Minerals (Except Jawbone Seam & 1/9 In P-3 Seam)  
Buchanan Mining Company LLC – 1/9 Int. in P-3 Seam  
Revelation Energy, LLC - Jawbone Seam  
Buchanan Mining Company LLC - Below Drainage Coal Leased  
Revelation Energy, LLC - Above Drainage Coal Leased  
Appalachian Energy – Oil and Gas Leased (85.00412%)  
Appalachian Energy – CBM Leased (78.74074%) (CNX deemed leased via JOA)  
CNX Gas Company LLC - CBM Leased (2.05761%)  
Caroline Cole Keen, et al – Surface  
25.14 Acres      31.4250%
3. Buchanan Mining Company LLC, et al, Big Vein Tract 32 (442.57 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  
Weyerhaeuser NR Company, et al – Oil and Gas  
Weyerhaeuser Company (1/3) – CBM  
CNX Gas Company LLC – CBM Leased  
18.55 Acres      23.1875%
- 3A. Unknown Surface Owner
- 3B. Unknown Surface Owner
- 3C. Unknown Surface Owner
4. Buchanan Mining Company LLC, et al, Big Vein Tract 50 (340.34 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  
Weyerhaeuser NR Company, et al – Oil and Gas  
Weyerhaeuser Company (1/3) – CBM  
CNX Gas Company LLC – CBM Leased  
21.75 Acres      27.1875%
- 4A. Shaw Honaker Heirs, et al – Surface
- 4B. Allen Keen – Surface
- 4C. Unknown Surface Owner
- 4D. 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 K 37

### Tract Identifications

5. Buchanan Mining Company LLC, et al, Big Vein Tract 32 (442.57 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  
Weyerhaeuser NR Company, et al – Oil and Gas  
Appalachian Energy – Oil and Gas Leased  
Weyerhaeuser Company (1/3) – CBM  
CNX Gas Company LLC – CBM Leased  
Unknown Surface Owner  
2.07 Acres      2.5875%
  
6. Buchanan Mining Company LLC, et al, Big Vein Tract 50 (340.34 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  
Weyerhaeuser NR Company, et al – Oil and Gas  
Appalachian Energy – Oil and Gas Leased  
Weyerhaeuser Company (1/3) – CBM  
CNX Gas Company LLC – CBM Leased  
3.69 Acres      4.6125%
  
- 6A. Shaw Honaker Heirs, et al – Surface
- 6B. Unknown Surface Owner
- 6C. Unknown Surface Owner
  
7. Buchanan Mining Company LLC, et al, Big Vein Tract 50 (340.34 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  
Weyerhaeuser NR Company, et al – Oil and Gas  
Appalachian Energy – Oil and Gas Leased  
Weyerhaeuser Company (1/3) – CBM  
CNX Gas Company LLC – CBM Leased  
Unknown Surface Owner  
0.15 Acres      0.1875%

"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 K-37  
Docket #VGOB 02-1119-1093-02  
List of all Owners/Claimants  
(80 Acre Unit)

	Acres in Unit	Percent of Unit
<b>I. COAL OWNERSHIP</b>		
<b><u>Tract #1 - 8.65 Acres</u></b>		
(1) Buck Jewell Resources, LLC - <b>Coal except the Jawbone Seam</b> <i>(100 Acre Tract)</i> P.O. Box 743 Doran, VA 24612	8.65 acres	10.8125%
(2) Revelation Energy, LLC - <b>Jawbone Seam</b> *** Attn: Jeff Hoops 1051 Main Street Milton, WV 25541	8.65 acres	
*** NOTE: The Jawbone seam was not perforated in the drilling of the well and therefore is of no issue.		
NOTE: Appalachian Energy (previously Virginia Gas Exploration Company) leased the Oil, Gas and CBM . This unit is included in the JOA between CNX Gas Company and Appalachian Energy. CNX Gas Company is the operator.		
<b><u>Tract #2, 25.14 Acres</u></b>		
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	25.14 acres	31.4250%
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns - <b>Coal except the Jawbone Seam</b>		
(a) Hassel Cole (1/9) <i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>		
(a.1) Thelma Parks - <b>Coal except Jawbone &amp; P3 Seam</b> <i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>		
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	1.397 acres 1/18 of 25.14 acres	1.7458%
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***		
(a.1.2.1) Martha E. Combs <i>Interest conveyed to Martha E. Combs Trust, 4/2/2014, Instrument #14-0640</i>		
(a.1.2.1.1) Martha E. Combs Trust Martha E. Combs, Trustee PO Box 1404 Abingdon, VA 24212-1404	0.466 acres 1/54 of 25.14 acres	0.5819%
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns		
(a.1.2.2.1) Fred H. Combs II Testamentary Trust c/o Amy and/or Eric Combs, Trustees PO Box 841 Tazewell, VA 24651	0.466 acres 1/54 of 25.14 acres	0.5819%
(a.1.2.3) Carol Irvin <i>Conveyed 1/54 interest to CIPL, LP (Instrument 120002651)</i>		

**Exhibit B**  
**Unit K-37**  
**Docket #VGOB 02-1119-1093-02**  
**List of all Owners/Claimants**  
**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.466 acres 1/54 of 25.14 acres	0.5819%
<i>*** NOTE: Edith G. Street, et vir. and Marion S. Combs, et vir. conveyed their interest in the Pocahontas No. 3 seam to Island Creek Coal Company by deed dated 5/25/81 (DB 323-561).</i>		
(a.2) Island Creek Coal Company - <b>P3 Seam Only</b> *** 10545 Riverside Drive Oakwood, VA 24631	2.793 acres 1/9 of 25.14 acres	3.4917%
<i>*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).</i>		
(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)		
(b.1) Mona Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>	
(b.2) Nancy J. Cole (Originally 1/18 + 1/18 = 1/9) <i>See (b.3.1.a) below</i> PO Box 2075 Beckley, WV 25802	2.793 acres 1/9 of 25.14 acres	3.4917%
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18) <i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>		
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns		
(b.3.1.1) Nancy J. Cole (1/18) <i>The 1/18th interest is combined with (b.2) above.</i>		
(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)		
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	1.397 acres 1/18 of 25.14 acres	1.7458%
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	1.397 acres 1/18 of 25.14 acres	1.7458%
(d) Leonard P. Cole (1/9) <i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>		
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns		
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.838 acres 1/30 of 25.14 acres	1.0475%
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns		
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.2) Timothy J. McDonald 980 Crestwood Drive Prestonsburg, KY 41653	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.3) Tamala McDonald Williams Pelphrey 10809 Meeting St. Prospect, KY 40059	0.391 acres 7/450 of 25.14 acres	0.4888%

**Exhibit B**  
**Unit K-37**  
**Docket #VGOB 02-1119-1093-02**  
**List of all Owners/Claimants**  
**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
(d.2.4) Gregory B. McDonald 2220 Nicholasville Road, Suite 250 Lexington, KY 40503	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.5) Greta McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.391 acres 7/450 of 25.14 acres	0.4888%
(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)		
(e.1) Virgie Cole, widow - <i>Deceased (Life Estate Extinguished)</i>	<i>Dower Interest of a 1/3 Life Estate</i>	
(e.2) Larry Dean Cole 14573 Lee Highway Bristol, VA 24202	0.466 acres 1/54 of 25.14 acres	0.5819%
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.466 acres 1/54 of 25.14 acres	0.5819%
(e.4) Caroline Jones (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621). See (h.2) below.</i>		
(e.5) Debbie Cole Rife (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (h.2) below.</i>		
(e.6) Leon Lonnie Cole (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (h.2) below.</i>		
(e.7) Jennings Hobart Cole (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated __/__/85 (DB 316-278). See (h.2) below.</i>		
(f) Graham Cole (1/9) <i>Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9) <i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		
(g.1) Alta M. Cole Heirs, Devisees, Successors or Assigns (2/9)		
(g.1.1) Harold G. Cole Heirs, Devisees, Successors or Assigns		
(g.1.1.1) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	1.862 acres 2/27 of 25.14 acres	2.3278%
(g.1.2) Donald Theodore Cole Heirs, Devisees, Successors or Assigns (2/27)		
(g.1.2.1) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241-3255	0.931 acres 1/27 of 25.14 acres	1.1639%
(g.1.2.2) Kenneth Edward Cole 12043 Windermere Crossing Circle Winter Garden, FL 34787-5522	0.931 acres 1/27 of 25.14 acres	1.1639%
(g.1.3) Charles F. Cole Heirs, Devisees, Successors or Assigns		
(g.1.3.1) Norma Cole Dotson PO Box 226 Rosedale, VA 24280	1.862 acres 2/27 of 25.14 acres	2.3278%

**Exhibit B**  
**Unit K-37**  
**Docket #VGOB 02-1119-1093-02**  
**List of all Owners/Claimants**  
**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
<b>(h) Caroline Cole Keen / Caroline Cole Keen &amp; Claude V. Keen</b>		
<i>Claude V. Keen died 5/14/12</i>		
(h.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	3.724 acres 4/27 of 25.14 acres	4.6556%
<i>Note: Caroline Keen purchased interests from several heirs and has her inherited interest from Caroline Cole Gregory.</i>		
<b>(h.2) Caroline Cole Keen &amp; Claude V. Keen (deceased)</b>		
(h.2.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	1.862 acres 2/27 of 25.14 acres	2.3278%
<i>Note: Purchased interests from several heirs and is owned JOINTLY.</i>		
<b>(h.3) Caroline Cole Keen &amp; Claude V. Keen (deceased)</b>		
(h.3.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	0.931 acres 1/27 of 25.14 acres	1.1639%
<i>Note: Purchased interests from several heirs and is owned as TENANTS BY THE ENTIRETY with Rights of Survivorship.</i>		
<b>(i) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)</b>		
(i.1) Hassell McArthur Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (h.1) above</i>		
(i.2) Graham Millard Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (h.1) above</i>		
(i.3) Josh Wilson Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (h.1) above</i>		
(i.4) Thelma Geraldine Murray (1/81) <i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270) - see (h.3) above</i>		
(i.4.1) Mark Sizemore, etux. & Thelma Murray <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (h.3) above</i>		
(i.5) Lois Nichalson (1/81) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (h.3) above</i>		
(i.6) Betty Tristan (1/81) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (h.3) above</i>		
<b>(i.7) Thurman Gerald Cooper Heirs, Devisees, Successors or Assigns (1/81)</b>		
(i.7.1) Bruce Michael Cooper Heirs, Devisees, Successors or Assigns		
(i.7.1.1) Teena Cooper PO Box 131 North Tazewell, VA 24630	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.2) Rita Gail Cooper 970 Hillman Hwy NE, Lot 13 Abingdon, VA 24210-4132	0.052 acres 1/486 of 25.14 acres	0.0647%

**Exhibit B**  
**Unit K-37**  
**Docket #VGOB 02-1119-1093-02**  
**List of all Owners/Claimants**  
**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
(i.7.3) Thelma G. Cooper 1024 Greensfield Road Vansant, VA 24656	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.4) Teresa Lynn Rogers 2410 Appleridge Drive Columbus, OH 43223	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.5) Thurman G. Cooper, Jr. 17322 Riverside Dr, Apt 2 Oakwood, VA 24631-8981	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.6) Terry Allen Cooper 970 Hillman Hwy NE, Lot 13 Abingdon, VA 24210-4132	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.8) Billy Victor Cooper Heirs, Devisees, Successors or Assigns (1/81) <i>Pre-deceased Garrett Cole Cooper (mother)</i>		
(i.8.1) Billy Victor Hartman		
<i>NOTE: Believed to have been adopted prior to death of his biological father, Billy Victor Cooper. Therefore, any inherited interest would be extinguished. Karen &amp; Sharon Cooper are the children of Billy Victor Cooper's re-marriage.</i>		
(i.8.2) Karen Cooper Rowe PO Box 781 Hanover, WV 24839	0.155 acres 1/162 of 25.14 acres	0.1940%
(i.8.3) Sharon Cooper Daniels PO Box 1322 Shady Spring, WV 25918-1322	0.155 acres 1/162 of 25.14 acres	0.1940%
(i.9) Gary L. Cooper Heirs, Devisees, Successors or Assigns (1/81) <i>Pre-deceased Garrett Cole Cooper (mother)</i>		
(i.9.1) Rebecca Lynn Cooper, widow <i>Would not inherit due to Intestate Statutes at time of Gary Cooper's death.</i>		
(i.9.2) Melanie D. Cooper PO Box 314 Hurley, VA 24620	0.103 acres 1/243 of 25.14 acres	0.1293%
(i.9.3) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.103 acres 1/243 of 25.14 acres	0.1293%
(i.9.4) Byron D. Cooper PO Box 252 Vansant, VA 24656	0.103 acres 1/243 of 25.14 acres	0.1293%
(2) Jewell Smokeless Coal Corporation - <b>Jawbone Seam</b> *** P.O. Box 70 Vansant, VA 24656	25.14 acres	

\*\*\* NOTE: The Jawbone seam was not perforated in the drilling of the well and therefore is of no issue.

**Tract #3 - 18.55 Acres**

(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 32 - 442.57 Acre Tract)</i>	18.55 acres	23.1875%
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Exhibit B  
Unit K-37  
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List of all Owners/Claimants  
(80 Acre Unit)

	Acres in Unit	Percent of Unit
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	9.275 acres 1/2 of 18.55 acres	11.5938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	2.061 acres 1/9 of 18.55 acres	2.5764%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.031 acres 1/18 of 18.55 acres	1.2882%

\*\*\* address for all correspondence:

c/o Sayers F. Harman III  
333 Vanderbilt Road  
Asheville, NC 28803

(d) Buchanan Mining Company LLC/Coronado IV LLC 57 Danbury Rd, Suite 201 Wilton, CT 06897	6.183 acres 1/3 of 18.55 acres	7.7292%
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**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**Tract #4 - 21.75 Acres**

(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 52 - 340.34 Acre Tract)</i>	21.75 acres	27.1875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	10.875 acres 1/2 of 21.75 acres	13.5938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	2.417 acres 1/9 of 21.75 acres	3.0208%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.208 acres 1/18 of 21.75 acres	1.5104%

\*\*\* address for all correspondence:

c/o Sayers F. Harman III  
333 Vanderbilt Road  
Asheville, NC 28803

(d) Buchanan Mining Company LLC/Coronado IV LLC 57 Danbury Rd, Suite 201 Wilton, CT 06897	7.250 acres 1/3 of 21.75 acres	9.0625%
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**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**Tract #5 - 2.07 Acres**

(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 32 - 442.57 Acre Tract)</i>	2.07 acres	2.5875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.04 acres 1/2 of 2.07 acres	1.2938%

Exhibit B  
Unit K-37  
Docket #VGOB 02-1119-1093-02  
List of all Owners/Claimants  
(80 Acre Unit)

	Acres in Unit	Percent of Unit
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.23 acres 1/9 of 2.07 acres	0.2875%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.12 acres 1/18 of 2.07 acres	0.1438%
<i>*** address for all correspondence:</i>		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Buchanan Mining Company LLC/Coronado IV LLC 57 Danbury Rd, Suite 201 Wilton, CT 06897	0.69 acres 1/3 of 2.07 acres	0.8625%
<i>Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.</i>		
<b><u>Tract #6 - 3.69 Acres</u></b>		
(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 50 - 340.34 Acre Tract)</i>	3.69 acres	4.6125%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.85 acres 1/2 of 3.69 acres	2.3063%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.41 acres 1/9 of 3.69 acres	0.5125%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.21 acres 1/18 of 3.69 acres	0.2563%
<i>*** address for all correspondence:</i>		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Buchanan Mining Company LLC/Coronado IV LLC 57 Danbury Rd, Suite 201 Wilton, CT 06897	1.23 acres 1/3 of 3.69 acres	1.5375%
<i>Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.</i>		
<b><u>Tract #7 - 0.15 Acres</u></b>		
(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 50 - 340.34 Acre Tract)</i>	0.15 acres	0.1875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.08 acres 1/2 of 0.15 acres	0.0938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.02 acres 1/9 of 0.15 acres	0.0208%

Exhibit B  
Unit K-37  
Docket #VGOB 02-1119-1093-02  
List of all Owners/Claimants  
(80 Acre Unit)

	Acres in Unit	Percent of Unit
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.01 acres 1/18 of 0.15 acres	0.0104%
<i>*** address for all correspondence:</i>		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Buchanan Mining Company LLC/Coronado IV LLC 57 Danbury Rd, Suite 201 Wilton, CT 06897	0.05 acres 1/3 of 0.15 acres	0.0625%
<i>Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.</i>		
<b>II. OIL &amp; GAS OWNERSHIP</b>		100.0000%
<b><u>Tract #1 - 8.65 Acres</u></b>		
(1) Buck Jewell Resources, LLC <i>(100 Acre Tract)</i> P.O. Box 743 Doran, VA 24612	8.65 acres	10.8125%
<i>NOTE: Appalachian Energy (previously Virginia Gas Exploration Company) leased the Oil, Gas and CBM . This unit is included in the JOA between CNX Gas Company and Appalachian Energy. CNX Gas Company is the operator.</i>		
<b><u>Tract #2, 25.14 Acres</u></b>		
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	25.14 acres	31.4250%
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns - <b>Coal except the Jawbone Seam</b>		
(a) Hassel Cole (1/9) <i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>		
(a.1) Thelma Parks - <b>Coal except Jawbone &amp; P3 Seam</b> <i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>		
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	1.397 acres 1/18 of 25.14 acres	1.7458%
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***		
(a.1.2.1) Martha E. Combs <i>Interest conveyed to Martha E. Combs Trust, 4/2/2014, Instrument #14-0640</i>		
(a.1.2.1.1) Martha E. Combs Trust Martha E. Combs, Trustee PO Box 1404 Abingdon, VA 24212-1404	0.466 acres 1/54 of 25.14 acres	0.5819%
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns		

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**Unit K-37**  
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	Acres in Unit	Percent of Unit
(a.1.2.2.1) Fred H. Combs II Testamentary Trust c/o Amy and/or Eric Combs, Trustees PO Box 841 Tazewell, VA 24651	0.466 acres 1/54 of 25.14 acres	0.5819%
(a.1.2.3) Carol Irvin <i>Conveyed 1/54 interest to CIPL, LP (Instrument 120002651)</i>		
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.466 acres 1/54 of 25.14 acres	0.5819%
<i>*** NOTE: Edith G. Street, et vir. and Marion S. Combs, et vir. conveyed their interest in the Pocahontas No. 3 seam to Island Creek Coal Company by deed dated 5/25/81 (DB 323-561).</i>		
(a.2) Island Creek Coal Company - <b>P3 Seam Only</b> *** 10545 Riverside Drive Oakwood, VA 24631	2.793 acres 1/9 of 25.14 acres	3.4917%
<i>*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).</i>		
(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)		
(b.1) Mona Cole, widow - <i>Deceased</i>		<i>Dower Interest of a 1/3 Life Estate</i>
(b.2) Nancy J. Cole (Originally 1/18 + 1/18 = 1/9) <i>See (b.3.1.a) below</i> PO Box 2075 Beckley, WV 25802	2.793 acres 1/9 of 25.14 acres	3.4917%
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18) <i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>		
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns		
(b.3.1.1) Nancy J. Cole (1/18) <i>The 1/18th interest is combined with (b.2) above.</i>		
(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)		
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	1.397 acres 1/18 of 25.14 acres	1.7458%
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	1.397 acres 1/18 of 25.14 acres	1.7458%
(d) Leonard P. Cole (1/9) <i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>		
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns		
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.838 acres 1/30 of 25.14 acres	1.0475%
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns		

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	Acres in Unit	Percent of Unit
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.2) Timothy J. McDonald 980 Crestwood Drive Prestonsburg, KY 41653	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.3) Tamala McDonald Williams Pelphrey 10809 Meeting St. Prospect, KY 40059	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.4) Gregory B. McDonald 2220 Nicholasville Road, Suite 250 Lexington, KY 40503	0.391 acres 7/450 of 25.14 acres	0.4888%
(d.2.5) Greta McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.391 acres 7/450 of 25.14 acres	0.4888%
(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)		
(e.1) Virgie Cole, widow - <i>Deceased (Life Estate Extinguished)</i>	<i>Dower Interest of a 1/3 Life Estate</i>	
(e.2) Larry Dean Cole 14573 Lee Highway Bristol, VA 24202	0.466 acres 1/54 of 25.14 acres	0.5819%
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.466 acres 1/54 of 25.14 acres	0.5819%
(e.4) Caroline Jones (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621). See (h.2) below.</i>		
(e.5) Debbie Cole Rife (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (h.2) below.</i>		
(e.6) Leon Lonnie Cole (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (h.2) below.</i>		
(e.7) Jennings Hobart Cole (1/54) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated __/__/85 (DB 316-278). See (h.2) below.</i>		
(f) Graham Cole (1/9) <i>Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9) <i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		
(g.1) Alta M. Cole Heirs, Devisees, Successors or Assigns (2/9)		
(g.1.1) Harold G. Cole Heirs, Devisees, Successors or Assigns		
(g.1.1.1) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	1.862 acres 2/27 of 25.14 acres	2.3278%
(g.1.2) Donald Theodore Cole Heirs, Devisees, Successors or Assigns (2/27)		
(g.1.2.1) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241-3255	0.931 acres 1/27 of 25.14 acres	1.1639%

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**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
(g.1.2.2) Kenneth Edward Cole 12043 Windermere Crossing Circle Winter Garden, FL 34787-5522	0.931 acres 1/27 of 25.14 acres	1.1639%
(g.1.3) Charles F. Cole Heirs, Devisees, Successors or Assigns		
(g.1.3.1) Norma Cole Dotson PO Box 226 Rosedale, VA 24280	1.862 acres 2/27 of 25.14 acres	2.3278%
(h) Caroline Cole Keen / Caroline Cole Keen & Claude V. Keen	<i>Claude V. Keen died 5/14/12</i>	
(h.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	3.724 acres 4/27 of 25.14 acres	4.6556%
<i>Note: Caroline Keen purchased interests from several heirs and has her inherited interest from Caroline Cole Gregory.</i>		
(h.2) Caroline Cole Keen & Claude V. Keen (deceased)		
(h.2.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	1.862 acres 2/27 of 25.14 acres	2.3278%
<i>Note: Purchased interests from several heirs and is owned JOINTLY.</i>		
(h.3) Caroline Cole Keen & Claude V. Keen (deceased)		
(h.3.1) Caroline Cole Keen PO Box 233 Whitewood, VA 24657	0.931 acres 1/27 of 25.14 acres	1.1639%
<i>Note: Purchased interests from several heirs and is owned as TENANTS BY THE ENTIRETY with Rights of Survivorship.</i>		
(i) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)		
(i.1) Hassell McArthur Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (h.1) above</i>		
(i.2) Graham Millard Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (h.1) above</i>		
(i.3) Josh Wilson Cooper (1/81) <i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (h.1) above</i>		
(i.4) Thelma Geraldine Murray (1/81) <i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270) - see (h.3) above</i>		
(i.4.1) Mark Sizemore, etux. & Thelma Murray <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (h.3) above</i>		
(i.5) Lois Nichalson (1/81) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (h.3) above</i>		
(i.6) Betty Tristan (1/81) <i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (h.3) above</i>		

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	Acres in Unit	Percent of Unit
(i.7) Thurman Gerald Cooper Heirs, Devisees, Successors or Assigns (1/81)		
(i.7.1) Bruce Michael Cooper Heirs, Devisees, Successors or Assigns		
(i.7.1.1) Teena Cooper PO Box 131 North Tazewell, VA 24630	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.2) Rita Gail Cooper 970 Hillman Hwy NE, Lot 13 Abingdon, VA 24210-4132	0.052 acres 1/486 of 25.14 acres	0.0647%
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(i.7.4) Teresa Lynn Rogers 2410 Appleridge Drive Columbus, OH 43223	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.5) Thurman G. Cooper, Jr. 17322 Riverside Dr, Apt 2 Oakwood, VA 24631-8981	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.7.6) Terry Allen Cooper 970 Hillman Hwy NE, Lot 13 Abingdon, VA 24210-4132	0.052 acres 1/486 of 25.14 acres	0.0647%
(i.8) Billy Victor Cooper Heirs, Devisees, Successors or Assigns (1/81) <i>Pre-deceased Garrett Cole Cooper (mother)</i>		
(i.8.1) Billy Victor Hartman		
<i>NOTE: Believed to have been adopted prior to death of his biological father, Billy Victor Cooper. Therefore, any inherited interest would be extinguished. Karen &amp; Sharon Cooper are the children of Billy Victor Cooper's re-marriage.</i>		
(i.8.2) Karen Cooper Rowe PO Box 781 Hanover, WV 24839	0.155 acres 1/162 of 25.14 acres	0.1940%
(i.8.3) Sharon Cooper Daniels PO Box 1322 Shady Spring, WV 25918-1322	0.155 acres 1/162 of 25.14 acres	0.1940%
(i.9) Gary L. Cooper Heirs, Devisees, Successors or Assigns (1/81) <i>Pre-deceased Garrett Cole Cooper (mother)</i>		
(i.9.1) Rebecca Lynn Cooper, widow <i>Would not inherit due to Intestate Statutes at time of Gary Cooper's death.</i>		
(i.9.2) Melanie D. Cooper PO Box 314 Hurley, VA 24620	0.103 acres 1/243 of 25.14 acres	0.1293%
(i.9.3) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.103 acres 1/243 of 25.14 acres	0.1293%
(i.9.4) Byron D. Cooper PO Box 252 Vansant, VA 24656	0.103 acres 1/243 of 25.14 acres	0.1293%

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List of all Owners/Claimants  
(80 Acre Unit)

Acres in Unit  
Percent  
of Unit

**Tract #3 - 18.55 Acres**

(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 32 - 442.57 Acre Tract)</i>	18.55 acres	23.1875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	9.275 acres 1/2 of 18.55 acres	11.5938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	2.061 acres 1/9 of 18.55 acres	2.5764%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.031 acres 1/18 of 18.55 acres	1.2882%

\*\*\* address for all correspondence:

c/o Sayers F. Harman III  
333 Vanderbilt Road  
Asheville, NC 28803

(d) Weyerhaeuser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	6.183 acres 1/3 of 18.55 acres	7.7292%
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**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**Tract #4 - 21.75 Acres**

(1) Buchanan Mining Company LLC , et al. <i>(Big Vein Tract 52 - 340.34 Acre Tract)</i>	21.75 acres	27.1875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	10.875 acres 1/2 of 21.75 acres	13.5938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	2.417 acres 1/9 of 21.75 acres	3.0208%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.208 acres 1/18 of 21.75 acres	1.5104%

\*\*\* address for all correspondence:

c/o Sayers F. Harman III  
333 Vanderbilt Road  
Asheville, NC 28803

(d) Weyerhaeuser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	7.250 acres 1/3 of 21.75 acres	9.0625%
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**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**Tract #5 - 2.07 Acres**

(1) Buchanan Mining Company LLC , et al. *** <i>(Big Vein Tract 32 - 442.57 Acre Tract)</i>	2.07 acres	2.5875%
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	Acres in Unit	Percent of Unit
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.04 acres 1/2 of 2.07 acres	1.2938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.23 acres 1/9 of 2.07 acres	0.2875%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.12 acres 1/18 of 2.07 acres	0.1438%
<i>*** address for all correspondence:</i>		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Weyerhaeuser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	0.69 acres 1/3 of 2.07 acres	0.8625%

**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**\*\*\* NOTE: The Oil & Gas Estates are leased by Appalachian Energy.**

**Tract #6 - 3.69 Acres**

(1) Buchanan Mining Company LLC , et al. *** <i>(Big Vein Tract 50 - 340.34 Acre Tract)</i>	3.69 acres	4.6125%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	1.85 acres 1/2 of 3.69 acres	2.3063%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.41 acres 1/9 of 3.69 acres	0.5125%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.21 acres 1/18 of 3.69 acres	0.2563%
<i>*** address for all correspondence:</i>		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Weyerhaeuser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	1.23 acres 1/3 of 3.69 acres	1.5375%

**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**\*\*\* NOTE: The Oil & Gas Estates are leased by Appalachian Energy.**

**Exhibit B**  
**Unit K-37**  
**Docket #VGOB 02-1119-1093-02**  
**List of all Owners/Claimants**  
**(80 Acre Unit)**

	Acres in Unit	Percent of Unit
<b><u>Tract #7 - 0.15 Acres</u></b>		
(1) Buchanan Mining Company LLC , et al. *** <i>(Big Vein Tract 50 - 340.34 Acre Tract)</i>	0.15 acres	0.1875%
(a) Yukon Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.08 acres 1/2 of 0.15 acres	0.0938%
(b) Buchanan Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.02 acres 1/9 of 0.15 acres	0.0208%
(c) Sayers-Pocahontas Coal Company*** P.O. Box 187 Tazewell, VA 24651	0.01 acres 1/18 of 0.15 acres	0.0104%
*** address for all correspondence:		
c/o Sayers F. Harman III 333 Vanderbilt Road Asheville, NC 28803		
(d) Weyerhaeuser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	0.05 acres 1/3 of 0.15 acres	0.0625%

**Note: The royalty for (d) is to be paid to Weyerhaeuser NR Company.**

**\*\*\* NOTE: The Oil & Gas Estates are leased by Appalachian Energy.**

Exhibit B-3  
Unit K-37  
Docket # VGOB 02-1119-1093-02  
List of all Unleased Owners/Claimants

	Acres in Unit	Percent of Unit
<b>II. OIL &amp; GAS OWNERSHIP</b>		
<b><u>Tract #2, 25.14 Acres</u></b>		
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	25.14 acres	31.4250%
<ul style="list-style-type: none"> <li>(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns <ul style="list-style-type: none"> <li>(d) Leonard P. Cole (1/9) <i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i> <ul style="list-style-type: none"> <li>(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns <ul style="list-style-type: none"> <li>(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653</li> </ul> </li> </ul> </li> <li>(i) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9) <ul style="list-style-type: none"> <li>(i.9) Gary L. Cooper Heirs, Devisees, Successors or Assigns (<i>1/8 Pre-deceased Garrett Cole Cooper (mother)</i>) <ul style="list-style-type: none"> <li>(i.9.2) Melanie D. Cooper PO Box 314 Hurley, VA 24620</li> <li>(i.9.3) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614</li> <li>(i.9.4) Byron D. Cooper PO Box 252 Vasant, VA 24656</li> </ul> </li> </ul> </li> </ul> </li> </ul>		
<b><u>Total Unleased O&amp;G Estates</u></b>		
<b>Acres</b>	1.1484	
<b>Percent</b>		1.4355%

Company:      CNX Gas Company LLC

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

AFE #	N/A	Property #	N/A	Version #	
Well Name:	K37	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	May 10, 2018
Expected Pay Zones:	Pocahontas Formation	Estimated Total Depth:	2,190 ft	AAPG Class:	GBM
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	\$55,000	\$0	\$55,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$60,000	\$0	\$60,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$2,000	\$0	\$2,000
		Cement Intermediate casing	\$6,000	\$0	\$6,000
		Open Hole Logging & Testing	\$4,000	\$0	\$4,000
		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	\$76,000	\$76,000
		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
		<b>TOTAL INTANGIBLES</b>	<b>\$167,300</b>	<b>\$82,800</b>	<b>\$250,100</b>

I N T A N G I B L E S

Code	Code	Description	Quantity	Unit	Casing Point	Completion	Total Cost
		13 3/8" Conductor	20	Ft	\$2,000	\$0	\$2,000
		9 5/8" 26 lb/ft LS Surface Csg	0	Ft	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	802	Ft	\$9,488	\$0	\$9,488
		4 1/2" 9.5 lb/ft M-65 Production Csg	2,160	Ft	\$16,200	\$0	\$16,200
		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	2,100	Ft	\$0	\$15,267	\$15,267
		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-Pack, 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
		<b>TOTAL TANGIBLES</b>			<b>\$28,888</b>	<b>\$70,467</b>	<b>\$99,355</b>
		<b>GRAND TOTAL WELL COST</b>			<b>\$196,188</b>	<b>\$153,267</b>	<b>\$349,455</b>

T A N G I B L E S

153	115	Plugging & Abandonment			\$25,000			
					<b>Production Costs :</b>	<b>\$349,455</b>	<b>Dry Hole Costs :</b>	<b>\$221,188</b>

Prepared by: Bob Stator Title Permit Agent Date 5/14/18

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:	K37A	Field:	Oakwood	Completed By:	R.E. Slaton
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	May 10, 2018
Expected Pay Zones:	Pocahontas Formation	Estimated Total Depth:	2,175 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	\$30,000	\$0	\$30,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$62,000	\$0	\$62,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$2,000	\$0	\$2,000
		Cement Intermediate casing	\$6,000	\$0	\$6,000
		Open Hole Logging & Testing	\$3,900	\$0	\$3,900
		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
		<b>TOTAL INTANGIBLES</b>	<b>\$144,200</b>	<b>\$88,800</b>	<b>\$233,000</b>

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Code	Code	12 Ft	Ft	Casing Point	Completion	Total Cost
		13 3/8" Conductor	12	\$1,200	\$0	\$1,200
		9 5/8" 26 lb/ft LS Surface Csg	0	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	717	\$8,482	\$0	\$8,482
		4 1/2" 9.5 lb/ft M-65 Production Csg	2,040	\$15,300	\$0	\$15,300
		4 1/2" 10.5 lb/ft M-65 Production Csg	20	\$1,200	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,030	\$0	\$14,758	\$14,758
		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
		<b>TOTAL TANGIBLES</b>		<b>\$26,182</b>	<b>\$69,958</b>	<b>\$96,140</b>
		<b>GRAND TOTAL WELL COST</b>		<b>\$170,382</b>	<b>\$158,758</b>	<b>\$329,140</b>

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153	115	Plugging & Abandonment	\$25,000		
<b>Production Costs :</b>			<b>\$329,140</b>	<b>Dry Hole Costs :</b>	<b>\$195,382</b>

Prepared by: Bob Slaton Title Permit Agent Date 5/14/18

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:	K37B	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	May 10, 2018
Expected Pay Zones:	Pocahontas Formation	Estimated Total Depth:	2,260 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	\$25,000	\$0	\$25,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$65,000	\$0	\$65,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$2,000	\$0	\$2,000
		Cement intermediate casing	\$6,000	\$0	\$6,000
		Open Hole Logging & Testing	\$4,000	\$0	\$4,000
		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
		<b>TOTAL INTANGIBLES</b>	<b>\$142,300</b>	<b>\$88,800</b>	<b>\$231,100</b>

I N T A N G I B L E S

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8" Conductor	20 Ft	\$0	\$2,000
		9 5/8" 26 lb/ft LS Surface Csg	550 Ft	\$0	\$3,999
		7" 19 lb/ft LS Intermediate Csg	0 Ft	\$0	\$0
		4 1/2" 9.5 lb/ft M-65 Production Csg	2,083 Ft	\$0	\$15,623
		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,000 Ft	\$14,540	\$14,540
		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-Pack, PF, FC, Nip	\$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
		<b>TOTAL TANGIBLES</b>	<b>\$22,821</b>	<b>\$69,740</b>	<b>\$92,561</b>
		<b>GRAND TOTAL WELL COST</b>	<b>\$165,121</b>	<b>\$158,540</b>	<b>\$323,661</b>

T A N G I B L E S

153	115	Plugging & Abandonment	\$25,000		
<b>Production Costs :</b>			<b>\$323,661</b>	<b>Dry Hole Costs :</b>	<b>\$190,121</b>

Prepared by: Bob Stator Title Permit Agent Date 5/14/18

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:	K37C	Field:	Oakwood	Completed By:	R.E. Staton
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	May 10, 2018
Expected Pay Zones:	Pocahontas Formation	Estimated Total Depth:	2,150 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	\$55,000	\$0	\$55,000
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$60,000	\$0	\$60,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$2,000	\$0	\$2,000
		Cement Intermediate casing	\$6,000	\$0	\$6,000
		Open Hole Logging & Testing	\$4,000	\$0	\$4,000
		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	\$75,000	\$75,000
		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
		<b>TOTAL INTANGIBLES</b>	<b>\$167,300</b>	<b>\$81,800</b>	<b>\$249,100</b>

I N T A N G I B L E S

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8" Conductor	\$2,000	\$0	\$2,000
		9 5/8" 26 lb/ft LS Surface Csg	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	\$6,625	\$0	\$6,625
		4 1/2" 9.5 lb/ft M-65 Production Csg	\$14,250	\$0	\$14,250
		4 1/2" 10.5 lb/ft M-65 Production Csg	\$1,200	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	\$0	\$13,813	\$13,813
		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
		<b>TOTAL TANGIBLES</b>	<b>\$24,075</b>	<b>\$69,013</b>	<b>\$93,088</b>
		<b>GRAND TOTAL WELL COST</b>	<b>\$191,375</b>	<b>\$150,813</b>	<b>\$342,188</b>

T A N G I B L E S

153	115	Plugging & Abandonment	\$25,000		
<b>Production Costs :</b>			<b>\$342,188</b>	<b>Dry Hole Costs :</b>	<b>\$216,375</b>

Prepared by: *Bep Staton* Title *Limit Agent* Date *5/14/18*

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:	K37D	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Buchanan County	Operator:	CNX Gas Company LLC	Date:	May 10, 2018
Expected Pay Zones:	Poachontas Formation	Estimated Total Depth:	2,050 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	\$24,000	\$0	\$24,000
		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
		Cement Surface casing	\$2,000	\$0	\$2,000
		Cement Intermediate casing	\$6,000	\$0	\$6,000
		Open Hole Logging & Testing	\$4,000	\$0	\$4,000
		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	\$72,000	\$72,000
		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
		<b>TOTAL INTANGIBLES</b>	<b>\$131,300</b>	<b>\$78,800</b>	<b>\$210,100</b>

I N T A N G I B L E S

Code	Code		Casing Point	Completion	Total Cost
		13 3/8" Conductor	20 Ft	\$2,000	\$2,000
		9 5/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	533 Ft	\$6,305	\$6,305
		4 1/2" 9.5 lb/ft M-65 Production Csg	1,800 Ft	\$13,500	\$13,500
		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	\$13,086	\$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-Pack, 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
		<b>TOTAL TANGIBLES</b>	<b>\$23,005</b>	<b>\$68,286</b>	<b>\$91,291</b>
		<b>GRAND TOTAL WELL COST</b>	<b>\$154,305</b>	<b>\$147,086</b>	<b>\$301,391</b>

T A N G I B L E S

153	115	Plugging & Abandonment			
<b>GRAND TOTAL WELL COST</b>			<b>\$154,305</b>	<b>\$147,086</b>	<b>\$301,391</b>
		Production Costs :	\$301,391	Dry Hole Costs :	\$179,305

Prepared by: Bob Stator Title Permit Agent Date 5/14/18

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.

N/A

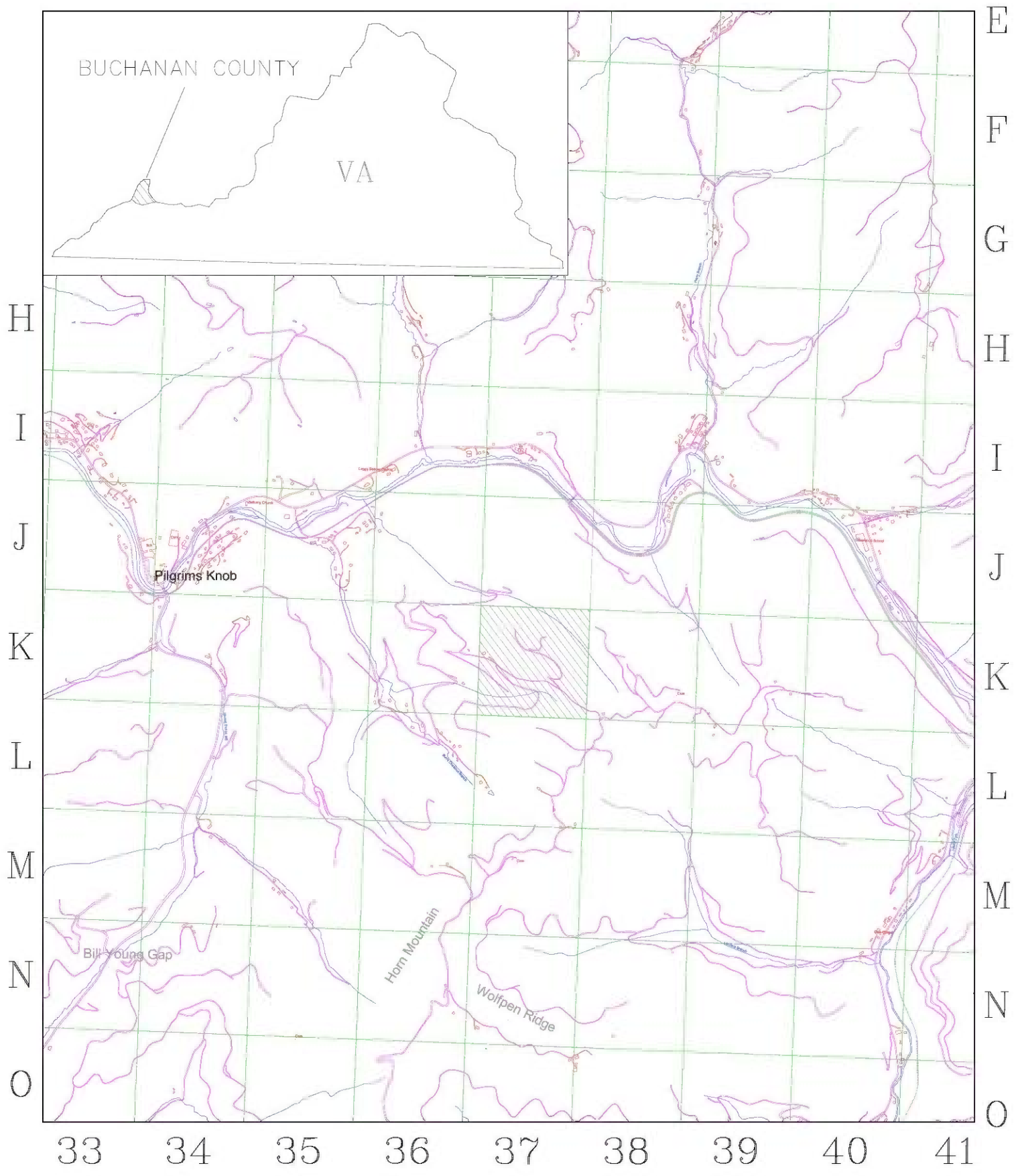


EXHIBIT A1  
UNIT K-37  
VGOB 02-1119-1093-02