

VIRGINIA:

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT:	CNX Gas Company LLC) VIRGINIA GAS
) AND OIL BOARD
RELIEF SOUGHT:	RE-POOLING OF INTERESTS IN)
	DRILLING UNIT K-37 LOCATED) DOCKET NO.
	IN THE OAKWOOD COALBED METHANE GAS) 02-1119-1093-02
	FIELD I PURSUANT TO VA. CODE)
	§§ 45.1-361.21 AND 45.1-361.22, FOR)
	THE PRODUCTION OF OCCLUDED NATURAL)
	GAS PRODUCED FROM COALBEDS AND ROCK)
	STRATA ASSOCIATED THEREWITH (herein)
	Collectively referred to as)
	"Coalbed Methane Gas" or "Gas"))
)
LEGAL DESCRIPTION:)
)
	DRILLING UNIT NUMBER K-37)
	(herein "Subject Drilling Unit"))
	IN THE OAKWOOD COALBED METHANE GAS FIELD I)
	GARDEN MAGISTERIAL DISTRICT,)
	KEEN MOUNTAIN QUADRANGLE)
	BUCHANAN COUNTY, VIRGINIA)
	(the "Subject Lands" are more)
	particularly described on Exhibit)
	A , attached hereto and made a)
	part hereof))

REPORT OF THE BOARDFINDINGS AND ORDER

1. Hearing Date and Place: This matter came for final hearing before the Virginia Gas and Oil board (hereafter "Board") at 9:00 a.m. on **June 19, 2018** at the at the Russell County Conference Center, Lebanon, Virginia.

2. Appearances: Mark Swartz, Esquire, of the firm Mark A. Swartz, Hilliard & Swartz LLP, appeared for the Applicant; and Paul Kugleman, Jr., Assistant Attorney General, was present to advise the Board.

3. Jurisdiction and Notice: Pursuant to Va. Code §§ 45.1-361.1 et seq., the Board finds that it has jurisdiction over the subject matter. Based upon the evidence presented by Applicant, the Board also finds that the Applicant has (1) exercised due diligence in conducting a search of the reasonably available sources to determine the identity and whereabouts of gas and oil owners, coal owners, mineral owners and/or potential owners, i.e., persons identified by Applicant as having ("Owner") or claiming ("Claimant") the rights to Coalbed Methane Gas in all coal seams below the Tiller Seam, including the Upper Seaboard, Greasy Creek, Middle Seaboard, Lower Seaboard, Upper Horsepen, Middle Horsepen, War Creek, Lower Horsepen, Pocahontas No. 9, Pocahontas No. 8, Pocahontas No. 7, Pocahontas No. 6, Pocahontas

No. 5, Pocahontas No. 4, Pocahontas No. 3, Pocahontas No. 2 and various unnamed coal seams, coalbeds and rock strata associated therewith (hereafter "Subject Formation") in Subject Drilling Unit underlying and comprised of Subject Lands; (2) represented it has given notice to those parties (hereafter sometimes "person(s)" whether referring to individuals, corporations, partnerships, associations, companies, businesses, trusts, joint ventures or other legal entities) entitled by Va. Code §§ 45.1-361.19 and 45.1-361.22, to notice of the Application filed herein; and (3) that the persons set forth in their Application and Notice of Hearing have been identified by Applicant through its due diligence as Owners or Claimants of Coalbed Methane Gas interests underlying Subject Drilling Unit and that the persons identified in **Exhibit B-3** attached hereto are persons identified by Applicant who may be Owners or Claimants of Coalbed Methane Gas interests in Subject Formation who have not heretofore agreed to lease or sell to the Applicant and/or voluntarily pool their Gas interests. Conflicting Gas Owners/Claimants in Subject Drilling Unit are listed on **Exhibit E**. Further, the Board has caused notice of this hearing to be published as required by Va. Code § 45.1-361.19.B. Whereupon, the Board hereby finds that the notices given herein satisfy all statutory requirements, Board rule requirements and the minimum standards of due process.

4. Amendments: None

5. Dismissals: None

6. Relief Requested: Applicant requests (1) that pursuant to Va. Code § 45.1-361.22, including the applicable portions of Va. Code § 45.1-361.21, the Board pool all the rights, interests and estates in and to the Gas in Subject Drilling Unit, including the ~~re-pooling~~ of the interests of the Applicant and of the known and unknown persons named in **Exhibit B-3** hereto and that of their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling and operation, including production, of Coalbed Methane Gas, produced from or allocated to the Subject Drilling Unit established for the Subject Formation underlying and comprised of the Subject Lands, (hereafter sometimes collectively identified and referred to as "Well Development and/or Operation in the Subject Drilling Unit"), and (2) that the Board designate **CNX Gas Company LLC** as as Unit Operator.

7. Relief Granted: The Applicant's requested relief in this cause be and hereby is granted: (1) Pursuant to Va. Code § 45.1-361.21.C.3, **CNX Gas Company LLC** hereafter "Unit Operator" is designated as the Unit Operator authorized to drill and operate the Coalbed Methane Gas well in the Subject Drilling Unit at the location depicted on the plat attached hereto as **Exhibit A**, subject to the permit provisions contained in Va. Code §§ 45.1-361.27 et seq.; to the Oakwood Coalbed Methane Gas Field I Order OGCB 3-90, dated May 18, 1990, as amended; to §§ 4 VAC 25-150 et seq., Gas and Oil Regulations; and to §§ 4 VAC 25-160 et seq., Virginia Gas and Oil Board Regulations, all as amended from time to time, and (2) all the interests and estates in and to the Gas in Subject Drilling Unit, including that of the Applicant and of the known and unknown persons listed on **Exhibit B-3**, attached hereto and made a part hereof, and their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, be and hereby are pooled in the Subject

Formation in the Subject Drilling Unit underlying and comprised of the Subject Lands.

Pursuant to the Oakwood I Field Rules promulgated under the authority of Va. Code § 45.1-361.20, the Board has adopted the following method for the calculation of production and revenue and allocation of allowable costs for the production of Coalbed Methane Gas.

For Frac Well Gas. - Gas shall be produced from and allocated to only the **80-acre** drilling unit in which the well is located according to the undivided interests of each Owner/Claimant within the unit, which undivided interest shall be the ratio (expressed as a percentage) that the amount of mineral acreage within each separate tract that is within the Subject Drilling Unit, when platted on the surface, bears to the total mineral acreage, when platted on the surface, contained within the entire **80-acre** drilling unit in the manner set forth in the Oakwood I Field Rules.

8. Election and Election Period: In the event any Owner or Claimant named in **Exhibit B-3** hereto does not reach a voluntary agreement to share in the operation of the well located in the Subject Drilling Unit, at a rate of payment mutually agreed to by said Gas Owner or Claimant and the Unit Operator, then such person named may elect one of the options set forth in Paragraph 9 below and must give written notice of his election of the option selected under Paragraph 9 to the designated Unit Operator at the address shown below within thirty (30) days from the date of receipt of a copy of this Order. A timely election shall be deemed to have been made if, on or before the last day of said 30-day period, such electing person has delivered his written election to the designated Unit Operator at the address shown below or has duly postmarked and placed its written election in first class United States mail, postage prepaid, addressed to the Unit Operator at the address shown below.

9. Election Options:

9.1 Option 1 - To Participate In The Well Development and Operation of the Drilling Unit: Any Gas Owner or Claimant named in **Exhibit B-3** who does not reach a voluntary agreement with the Unit Operator may elect to participate in the Well Development and Operation in the Subject Drilling Unit (hereafter "Participating Operator") by agreeing to pay the estimate of such Participating Operator's proportionate part of the actual and reasonable costs of the Well Development contemplated by this Order for Gas produced pursuant to the Oakwood I Field Rules, including a reasonable supervision fee, as more particularly set forth in Virginia Gas and Oil Board Regulation 4 VAC 25-160-100 (herein "Completed-for-Production Costs"). Further, a Participating Operator agrees to pay the estimate of such Participating Operator's proportionate part of the Completed-for-Production Cost as set forth below to the Unit Operator within forty-five (45) days from the later of the date of mailing or the date of recording of this Order. The Completed-for-Production Cost for the Subject Drilling Unit is as follows:

Completed-for-Production Cost:	K37	\$349,455.00
	K37A	\$329,140.00
	K37B	\$323,661.00
	K37C	\$342,188.00
	K37D	\$301,391.00
	Total	\$1,645,835.00

Any gas owner and/or claimants named in Exhibit B-3, who elect this option (Option 1) understand and agree that their initial payment under this option is for their proportionate share of the Applicant's estimate of actual costs and expenses. It is also understood by all persons electing this option that they are agreeing to pay their proportionate share of the actual costs and expenses as determined by the Operator named in this Board Order.

A Participating Operator's proportionate cost hereunder shall be the result obtained by multiplying the Participating Operators' "Interest in Unit" times the Completed-for-Production Cost set forth above. Provided, however, that in the event a Participating Operator elects to participate and fails or refuses to pay the estimate of his proportionate part of the Completed-for-Production Cost as set forth above, all within the time set forth herein and in the manner prescribed in Paragraph 8 of this Order, then such Participating Operator shall be deemed to have elected not to participate and to have elected compensation in lieu of participation pursuant to Paragraph 9.2 herein.

9.2 Option 2 - To Receive A Cash Bonus Consideration: In lieu of participating in the Well Development and Operation in Subject Drilling Unit under Paragraph 9.1 above, any Gas Owner or Claimant named in **Exhibit B-3** hereto who does not reach a voluntary agreement with the Unit Operator may elect to accept a cash bonus consideration of **\$5.00** per net mineral acre owned by such person, commencing upon entry of this Order and continuing annually until commencement of production from Subject Drilling Unit, and thereafter a royalty of 1/8th of 8/8ths [twelve and one-half percent (12.5%)] of the net proceeds received by the Unit Operator for the sale of the Coalbed Methane Gas produced from any Well Development and Operation covered by this Order multiplied by that person's Interest in Unit or proportional share of said production [for purposes of this Order, net proceeds shall be actual proceeds received less post-production costs incurred downstream of the wellhead, including, but not limited to, gathering, compression, treating, transportation and marketing costs, whether performed by Unit Operator or a third person] as fair, reasonable and equitable compensation to be paid to said Gas Owner or Claimant. The initial cash bonus shall become due and owing when so elected and shall be tendered, paid or escrowed within one hundred twenty (120) days of recording of this Order. Thereafter, annual cash bonuses, if any, shall become due and owing on each anniversary of the date of recording of this order in the event production

from Subject Drilling Unit has not theretofore commenced, and once due, shall be tendered, paid or escrowed within sixty (60) days of said anniversary date. Once the initial cash bonus and the annual cash bonuses, if any, are so paid or escrowed, subject to a final legal determination of ownership, said payment(s) shall be satisfaction in full for the right, interests, and claims of such electing person in and to the Gas produced from Subject Formation in the Subject Lands, except, however, for the 1/8th royalties due hereunder.

Subject to a final legal determination of ownership, the election made under this Paragraph 9.2, when so made, shall be satisfaction in full for the right, interests, and claims of such electing person in any Well Development and Operation covered hereby and such electing person shall be deemed to and hereby does lease and assign, its right, interests, and claims in and to the Gas produced from Subject Formation in the Subject Drilling Unit to the Applicant.

9.3. Option 3 - To Share In The Well Development And Operation As A Non-Participating Person On A Carried Basis And To Receive Consideration In Lieu Of Cash: In lieu of participating in the Well Development and Operation in Subject Drilling Unit under Paragraph 9.1 above and in lieu of receiving a Cash Bonus Consideration under Paragraph 9.2 above, any Gas Owner or Claimant named in **Exhibit B-3** hereto who does not reach a voluntary agreement with the Unit Operator may elect to share in the Well Development and Operation of Subject Drilling Unit on a carried basis (as a "Carried Well Operator") so that the proportionate part of the Completed-for-Production Cost hereby allocable to such Carried Well Operator's interest is charged against such Carried Well Operator's share of production from Subject Drilling Unit. Such Carried Well Operator's rights, interests, and claims in and to the Gas in Subject Drilling Unit shall be deemed and hereby are assigned to the Applicant until the proceeds from the sale of such Carried Well Operator's share of production from Subject Drilling Unit (exclusive of any royalty, excess or overriding royalty, or other non-operating or non cost-bearing burden reserved in any lease, assignment thereof or agreement relating thereto covering such interest) equals three hundred percent (300%) for a leased interest or two hundred percent (200%) for an unleased interest (whichever is applicable) of such Carried Well Operator's share of the Completed-for-Production Cost allocable to the interest of such Carried Well Operator. When the Applicant recoups and recovers from such Carried Well Operator's assigned interest the amounts provided for above, then, the assigned interest of such Carried Well Operator shall automatically revert back to such Carried Well Operator, and from and after such reversion, such Carried Well Operator shall be treated as if it had participated initially under Paragraph 9.1 above; and thereafter, such participating person shall be charged with and shall pay his proportionate part of all

further costs of such Well Development and Operation.

Subject to a final legal determination of ownership, the election made under this Paragraph 9.3, when so made, shall be satisfaction in full for the rights, interests, and claims of such electing person in any Well Development and Operation covered hereby and such electing person shall be deemed to have and hereby does assign its rights, interests, and claims in and to the Gas produced from Subject Formation in the Subject Drilling Unit to the Applicant for the period of time during which its interest is carried as above provided prior to its reversion back to such electing person.

10. Failure to Properly Elect: In the event a person named in **Exhibit B-3** hereto does not reach a voluntary agreement with the Unit Operator and fails to elect within the time, in the manner and in accordance with the terms of this Order, one of the alternatives set forth in Paragraph 9 above for which his interest qualifies, then such person shall be deemed to have elected not to participate in the proposed Well Development and Operation in Subject Drilling Unit and shall be deemed, subject to a final legal determination of ownership, to have elected to accept as satisfaction in full for such person's right, interests, and claims in and to the Gas the consideration provided in Paragraph 9.2 above for which its interest qualifies and shall be deemed to have leased and/or assigned his right, interests, and claims in and to the Gas produced from Subject Formation in the Subject Drilling Unit to the Applicant. Persons who fail to properly elect shall be deemed, subject to a final legal determination of ownership, to have accepted the compensation and terms set forth herein at Paragraph 9.2 in satisfaction in full for the right, interests, and claims of such person in and to the Gas produced from the Subject Formation underlying Subject Lands.

11. Default By Participating Person: In the event a person named in **Exhibit B-3** elects to participate under Paragraph 9.1, but fails or refuses to pay, to secure the payment or to make an arrangement with the Unit Operator for the payment of such person's proportionate part of the Completed-for-Production Cost as set forth herein, all within the time and in the manner as prescribed in this Order, then such person shall be deemed to have withdrawn his election to participate and shall be deemed to have elected to accept as satisfaction in full for such person's right, interest, and claims in and to the Gas the consideration provided in Paragraph 9.2 above for which his interest qualifies depending on the excess burdens attached to such interest. Whereupon, any cash bonus consideration due as a result of such deemed election shall be tendered, paid or escrowed by Unit Operator within one hundred twenty (120) days after the last day on which such defaulting person under this Order should have paid his proportionate part of such cost or should have made satisfactory arrangements for the payment thereof. When such cash bonus consideration is paid or escrowed, it shall be satisfaction in full for the right, interests, and claims of such person in and to the Gas underlying Subject Drilling Unit in the Subject Lands covered hereby, except, however, for any royalties which would become due pursuant to Paragraph 9.2 hereof.

12. Assignment of Interest: In the event a person named in **Exhibit B-3** is unable to reach a voluntary agreement to share in the Well Development and Operation contemplated by this Order at a rate of payment agreed to mutually by said Owner or Claimant and the Unit Operator, or fails to make an election under Paragraph 9.1 above, then subject to a final legal determination of ownership, such person shall be deemed to have and shall have assigned unto Applicant such person's right, interests, and claims in and to said well, and other share in production to which such person may be entitled by reason of any election or deemed election hereunder in accordance with the provisions of this Order governing said election.

13. Unit Operator (or Operator): **CNX Gas Company LLC** shall be and hereby is designated as Unit Operator authorized to drill and operate the Coalbed Methane Well in Subject Formation in Subject Drilling Unit, all subject to the permit provisions contained in Va. Code §§ 45.1-361.27 et seq.; §§ 4 VAC 25-150 et seq., Gas and Oil Regulations; §§ 4 VAC 25-160 et seq., Virginia Gas and Oil Board Regulations; the Oakwood Coalbed Gas Field I Order OGCB 3-90, all as amended from time to time, and all elections required by this Order shall be communicated to Unit Operator in writing at the address shown below:

CNX Gas Company LLC
627 Claypool Hill Mall Road
Cedar Bluff, VA 24609
Attn: Sherri R. Scott

14. Commencement of Operations: Unit Operator shall commence or cause to commence operations for the drilling of the well(s) within the Subject Drilling Unit and/or the well(s) outside the Subject Drilling Unit but from which production is allocated to the Subject Drilling Unit within Seven Hundred and Thirty (730) days from the date of the Order and shall prosecute same with due diligence. If Unit Operator shall not have so commenced and/or prosecuted, then this Order shall terminate, except for any cash sums then payable hereunder; otherwise, unless sooner terminated by Order of the Board, this Order shall expire at 12:00 P.M. on the date on which all wells covered by the Order and/or all wells from which production is allocated to the Subject Drilling Unit are permanently abandoned and plugged. However, in the event an appeal is taken from this Order, then the time between the filing of the petition for appeal and the final Order of the Circuit Court shall be excluded in calculating the two-year period referred to herein.

15. Operator's Lien: Unit Operator, in addition to the other rights afforded hereunder, shall have a lien and a right of set off on the Gas estates, rights, and interests owned by any person subject hereto who elects to participate under Paragraph 9.1 in the Subject Drilling Unit to the extent that costs incurred in the drilling or operation on the Subject Drilling Unit are chargeable against such person's interest. Such liens and right of set off shall be separable as to each separate person and shall remain liens until the Unit Operator drilling or operating any well covered hereby has been paid the full amounts due under the terms of this Order.

16. Escrow Provisions:

The Applicant represented to the Board that there are unknown or unlocatable claimants in Tract(s) **2B** of the Subject Drilling Unit whose payments are subject to the provisions of Paragraph 16.1 and the Unit Operator has represented to the Board that there are NO conflicting claimants in the Subject Drilling Unit whose payments are subject to the provisions of Paragraph 16.2 hereof. Therefore, by this Order, the Escrow Agent named herein or any successor named by the Board, is required to establish an interest-bearing escrow account for Tract(s) **2B** of Subject Drilling Unit (herein "Escrow Account"), and to receive and account to the Board pursuant to its agreement for the escrowed funds hereafter described in Paragraphs 16.1 and 16.2:

First Bank & Trust Company
38 East Valley St.
Bristol, VA 24201

16.1. Escrow Provisions For Unknown or Unlocatable Persons: If any payment of bonus, royalty payment or other payment due and owing under this Order cannot be made because the person entitled thereto cannot be located or is unknown, then such cash bonus, royalty payment, or other payment shall not be commingled with any funds of the Unit Operator and, pursuant to Va. Code § 45.1-361.21.D, said sums shall be deposited by the Unit Operator into the Escrow Account, commencing within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made, by use of a report format approved by the Inspector, by a date which is no later than sixty (60) days after the last day of the month being reported and/or for which funds are being deposited. Such funds shall be held for the exclusive use of, and sole benefit of the person entitled thereto until such funds can be paid to such person(s) or until the Escrow Agent relinquishes such funds as required by law or pursuant to Order of the Board in accordance with Va. Code § 45.1-361.21.D.

16.2 Escrow Provisions For Conflicting Claimants: If any payment of bonus, royalty payment, proceeds in excess of ongoing operational expenses, or other payment due and owing under this Order cannot be made because the person entitled thereto cannot be made certain due to conflicting claims of ownership and/or a defect or cloud on the title, then such cash bonus, royalty payment, proceeds in excess of ongoing operational expenses, or other payment, together with Participating Operator's Proportionate Costs paid to Unit Operator pursuant to Paragraph 9.1 hereof, if any, (1) shall not be commingled with any funds of the Unit Operator; and (2) shall, pursuant to Va. Code §§ 45.1-361.22.A.2, 45.1-361.22.A.3 and 45.1-361.22.A.4, be deposited by the Operator into the Escrow Account within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made by a date which is no later than sixty (60) days after the last day of the month

being reported and/or for which funds are subject to deposit. Such funds shall be held for the exclusive use of, and sole benefit of, the person entitled thereto until such funds can be paid to such person(s) or until the Escrow Agent relinquishes such funds as required by law or pursuant to Order of the Board.

17. Special Findings: The Board specifically and specially finds:

17.1. **CNX Gas Company LLC**, a Virginia limited liability company is duly authorized and qualified to transact business in the Commonwealth of Virginia;

17.2. **CNX Gas Company LLC** has the authority to explore, develop and maintain the properties and assets, now owned or hereafter acquired, consented to serve as Coalbed Methane Gas Unit Operator for Subject Drilling Unit and to faithfully discharge the duties imposed upon it as Unit Operator by statute and regulations;

17.3. **CNX Gas Company LLC** is an operator in the Commonwealth of Virginia, and has satisfied the Board's requirements for operations in Virginia;

17.4 **CNX Gas Company LLC** claims ownership of gas leases, Coalbed Methane Gas leases, and/or coal leases representing **99.9864** percent of the oil and gas interest/claims in and to Coalbed Methane Gas and **100.0000** percent of the coal interest/claims in and to Coalbed Methane Gas in Subject Drilling Unit; and, Applicant claims the right to explore for, develop and produce Coalbed Methane Gas from Subject Formations in Subject Drilling Unit in **Buchanan** County, Virginia, which Subject Lands are more particularly described in **Exhibit A**;

17.5. The estimated total production from Subject Drilling Unit is **125 MMCF to 550 MMCF**. The estimated amount of reserves from the Subject Drilling Unit is **125 MMCF to 550 MMCF**;

17.6. Set forth in **Exhibit B-3**, is the name and last known address of each Owner or Claimant identified by the Applicant as having or claiming an interest in the Coalbed Methane Gas in Subject Formation in Subject Drilling Unit underlying and comprised of Subject Lands, who has not, in writing, leased to the Applicant or the Unit Operator or agreed to voluntarily pool his interests in Subject Drilling Unit for its development. The interests of the Respondents listed in **Exhibit B-3** comprise **1.4355** percent of the oil and gas interests/claims in and to Coalbed Methane Gas and **0.0000** percent of the coal interests/claims in and to Coalbed Methane Gas in Subject Drilling Unit;

17.7 Applicant's evidence established that the fair, reasonable and equitable compensation to be paid to any person in lieu of the right to participate in the Wells are those options

provided in Paragraph 9 above;

17.8 The relief requested and granted is just and reasonable, is supported by substantial evidence and will afford each person listed and named in **Exhibit B-3** hereto the opportunity to recover or receive, without unnecessary expense, such person's just and fair share of the production from Subject Drilling Unit. The granting of the Application and relief requested therein will ensure to the extent possible the greatest ultimate recovery of Coalbed Methane Gas, prevent or assist in preventing the various types of waste prohibited by statute and protect or assist in protecting the correlative rights of all persons in the subject common sources of supply in the Subject Lands. Therefore, the Board is entering an Order granting the relief herein set forth.

18. Mailing Of Order And Filing Of Affidavit: Applicant or its Attorney shall file an affidavit with the Secretary of the Board within sixty (60) days after the date of recording of this Order stating that a true and correct copy of said Order was mailed within seven (7) days from the date of its receipt by Unit Operator to each Respondent named in **Exhibit B-3** pooled by this Order and whose address is known.

19. Availability of Unit Records: The Director shall provide all persons not subject to a lease with reasonable access to all records for Subject Drilling Unit which are submitted by the Unit Operator to said Director and/or his Inspector(s).

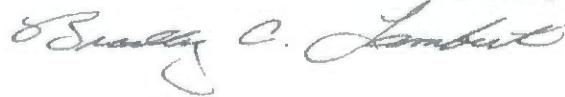
20. Conclusion: Therefore, the requested relief and all terms and provisions set forth above be and hereby are granted and IT IS SO ORDERED.

21. Appeals: Appeals of this Order are governed by the provisions of Va. Code Ann. § 45.1-361.9 which provides that any order or decision of the Board may be appealed to the appropriate circuit court.

22. Effective Date: This Order shall be effective as of the date of the Board's approval of this Application, which is set forth at Paragraph 1 above.

DONE AND EXECUTED this 28 day of June, 2018 by a majority of the Virginia Gas and Oil Board.

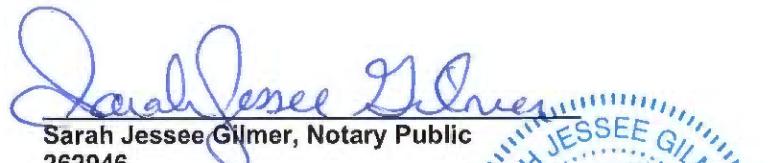
180001318



Chairman, Bradley C. Lambert

COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

Acknowledged on this 28th day of June, 2018, personally before me a notary public in and for the Commonwealth of Virginia, appeared Bradley C. Lambert, being duly sworn did depose and say that he is the Chairman of the Virginia Gas and Oil Board, that he executed the same and was authorized to do so.



Sarah Jesse Gilmer, Notary Public
262946



My Commission expires: July 31, 2021

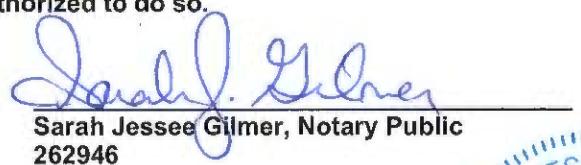
DONE AND PERFORMED this 9 day of July, 2018 by Order of the Virginia Gas and Oil Board. 7-31-21



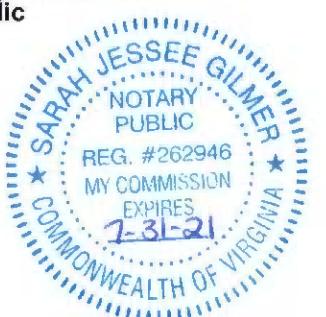
Rick Cooper
Principal Executive to the
staff, Virginia Gas and Oil Board

COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

Acknowledged on this 9th day of July, 2018, personally before me a notary public in and for the Commonwealth of Virginia, appeared Rick Cooper, being duly sworn did depose and say that he is the Principal Executive to the staff of the Virginia Gas and Oil Board, that he executed the same and was authorized to do so.

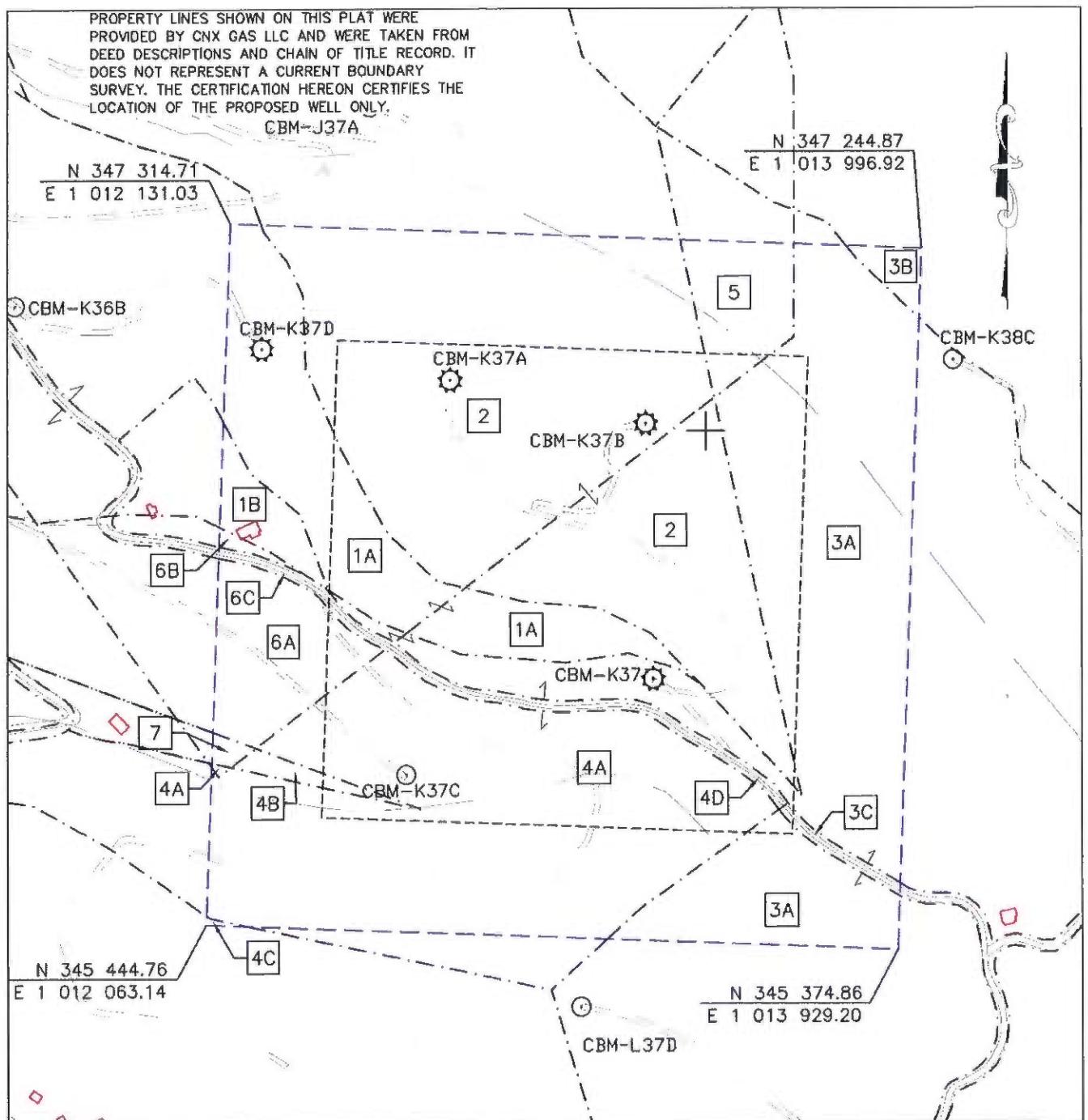


Sarah Jesse Gilmer, Notary Public
262946

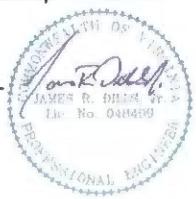


My Commission expires: July 31, 2021

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.,
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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
This plat is a new plat		Scale:	1" = 400' Date 5-15-18
		X	or a final plat

Form DGO-GO-7
Rev. 9/91

(Affix Seal)

Licensed Professional Engineer or Licensed Land Surveyor

CNX Gas Company LLC
UNIT K 37
Tract Identifications

180001318

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."

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."

		Acres In Unit	Percent of Unit
I. COAL OWNERSHIP			
<u>Tract #1 - 8.65 Acres</u>			
(1)	Buck Jewell Resources, LLC - Coal except the Jawbone Seam (100 Acre Tract) P.O. Box 743 Doran, VA 24612	8.65 acres	10.8125%
(2)	Revelation Energy, LLC - Jawbone Seam *** 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.			
<u>Tract #2, 25.14 Acres</u>			
Caroline Cole Keen, et al. (Caroline Cole Gregory Heirs, Devisees, Successors or Assigns) (164.56 Acre Tract)			
(1)	Caroline Cole Gregory Heirs, Devisees, Successors or Assigns - Coal except the Jawbone Seam	25.14 acres	31.4250%
(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 - Coal except Jawbone & P3 Seam <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
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 (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%

*** 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).*

(a.2)	Island Creek Coal Company - P3 Seam Only	2.793 acres 1/9 of 25.14 acres	3.4917%
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*** 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).*

(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)

(b.1)	Mona Cole, widow - <i>Deceased</i>	Dower Interest of a 1/3 Life Estate	
(b.2)	Nancy J. Cole (Originally 1/18 + 1/18 = 1/9) PO Box 2075 Beckley, WV 25802	See (b.3.1.a) below	2.793 acres 1/9 of 25.14 acres

(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)
No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.

(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns

(b.3.1.1) Nancy J. Cole (1/18)
The 1/18th interest is combined with (b.2) above.

(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)
Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)

(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%
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(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 Pelpfrey 10809 Meeting St. Prospect, KY 40059	0.391 acres 7/450 of 25.14 acres	0.4888%

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	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
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 List of all Owners/Claimants
 (80 Acre Unit)

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	Acres in Unit	Percent of Unit
(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>		
(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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 List of all Owners/Claimants
 (80 Acre Unit)

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	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 & 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 - Jawbone Seam *** 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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	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 Weyerhauser 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 Weyerhauser 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%

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Exhibit B
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180001318

	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%

*** 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	0.69 acres 1/3 of 2.07 acres	0.8625%
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Note: The royalty for (d) is to be paid to Weyerhauser NR Company.

Tract #6 - 3.69 Acres

(1) Buchanan Mining Company LLC , et al. (Big Vein Tract 50 - 340.34 Acre Tract)	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%

*** 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	1.23 acres 1/3 of 3.69 acres	1.5375%
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Note: The royalty for (d) is to be paid to Weyerhauser NR Company.

Tract #7 - 0.15 Acres

(1) Buchanan Mining Company LLC , et al. (Big Vein Tract 50 - 340.34 Acre Tract)	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%

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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%

*** 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	0.05 acres 1/3 of 0.15 acres	0.0625%
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Note: The royalty for (d) is to be paid to Weyerhauser NR Company.

II. OIL & GAS OWNERSHIP	100.0000%
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Tract #1 - 8.65 Acres

(1) Buck Jewell Resources, LLC (100 Acre Tract) P.O. Box 743 Doran, VA 24612	8.65 acres	10.8125%
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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.

Tract #2, 25.14 Acres

Caroline Cole Keen, et al. (Caroline Cole Gregory Heirs, Devisees, Successors or Assigns) (164.56 Acre Tract)	25.14 acres	31.4250%
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(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns - Coal except the Jawbone Seam

(a) Hassel Cole (1/9) <i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>
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(a.1) Thelma Parks - Coal except Jawbone & P3 Seam <i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>
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(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	1.397 acres 1/18 of 25.14 acres	1.7458%
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(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***
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(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%
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(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns

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 (80 Acre Unit)

180001318

Acres In Unit	Percent of Unit
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(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 0.5819%
 1/54 of 25.14 acres

(a.1.2.3) Carol Irvin
Conveyed 1/54 interest to CIPL, LP (Instrument 120002651)

(a.1.2.3.1) CIPL, LP
 4710 Hunterwood Circle
 Richmond, TX 77406

0.466 acres 0.5819%
 1/54 of 25.14 acres

*** 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).*

(a.2) Island Creek Coal Company - **P3 Seam Only** ***
 10545 Riverside Drive
 Oakwood, VA 24631

2.793 acres 3.4917%
 1/9 of 25.14 acres

*** 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).*

(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) PO Box 2075 Beckley, WV 25802	2.793 acres 3.4917% 1/9 of 25.14 acres

(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)
No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.

(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns

(b.3.1.1) Nancy J. Cole (1/18)
The 1/18th interest is combined with (b.2) above.

(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)

(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	1.397 acres 1.7458% 1/18 of 25.14 acres
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	1.397 acres 1.7458% 1/18 of 25.14 acres

(d) Leonard P. Cole (1/9)
Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)

(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 1.0475% 1/30 of 25.14 acres
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(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns

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

180001318

	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 Peiphrey 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)

Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621). See (h.2) below.

(e.5) Debbie Cole Rife (1/54)

Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (h.2) below.

(e.6) Leon Lonnie Cole (1/54)

Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (h.2) below.

(e.7) Jennings Hobart Cole (1/54)

Interest conveyed to Claude V. Keen and Caroline Keen by deed dated ___/___/85 (DB 316-278). See (h.2) below.

(f) Graham Cole (1/9)

Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)

(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9)

Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.

(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%
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(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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 Unit K-37
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 (80 Acre Unit)

180001318

	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, elux. & 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 Nicholson (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>		

Exhibit B
 Unit K-37
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 (80 Acre Unit)

	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%
(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 & 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%

	Acres In Unit	Percent of Unit
<u>Tract #3 - 18.55 Acres</u>		
(1) Buchanan Mining Company LLC , et al. (Big Vein Tract 32 - 442.57 Acre Tract)	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) Weyerhauser 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 Weyerhauser NR Company.

Tract #4 - 21.75 Acres

(1) Buchanan Mining Company LLC , et al. (Big Vein Tract 52 - 340.34 Acre Tract)	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) Weyerhauser 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 Weyerhauser NR Company.

Tract #5 - 2.07 Acres

(1) Buchanan Mining Company LLC , et al. *** (Big Vein Tract 32 - 442.57 Acre Tract)	2.07 acres	2.5875%
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 List of all Owners/Claimants
 (80 Acre Unit)

180001318

	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) Weyerhauser 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 Weyerhauser NR Company.

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

Tract #6 - 3.69 Acres

(1) Buchanan Mining Company LLC , et al. *** (Big Vein Tract 50 - 340.34 Acre Tract)	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) Weyerhauser 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 Weyerhauser NR Company.

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

Exhibit B
 Unit K-37
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 List of all Owners/Claimants
 (80 Acre Unit)

180001318

	Acres in Unit	Percent of Unit
<u>Tract #7 - 0.15 Acres</u>		
(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) Weyerhauser NR Company 5 Concourse Parkway, Suite 1650 Atlanta, GA 30328	0.05 acres 1/3 of 0.15 acres	0.0625%
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Note: The royalty for (d) is to be paid to Weyerhauser 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
II. OIL & GAS OWNERSHIP		
<u>Tract #2, 25.14 Acres</u>		
Caroline Cole Keen, et al. (Caroline Cole Gregory Heirs, Devisees, Successors or Assigns) (164.56 Acre Tract)	25.14 acres	31.4250%
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns		
(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%
(l) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)		
(l.9) Gary L. Cooper Heirs, Devisees, Successors or Assigns (1/8 Pre-deceased Garrett Cole Cooper (mother))		
(l.9.2) Melanie D. Cooper PO Box 314 Hurley, VA 24620	0.103 acres 1/243 of 25.14 acres	0.1293%
(l.9.3) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.103 acres 1/243 of 25.14 acres	0.1293%
(l.9.4) Byron D. Cooper PO Box 252 Vansant, VA 24656	0.103 acres 1/243 of 25.14 acres	0.1293%
<u>Total Unleased O&G Estates</u>		
Acres	1.1484	
Percent	1.4355%	

180001318

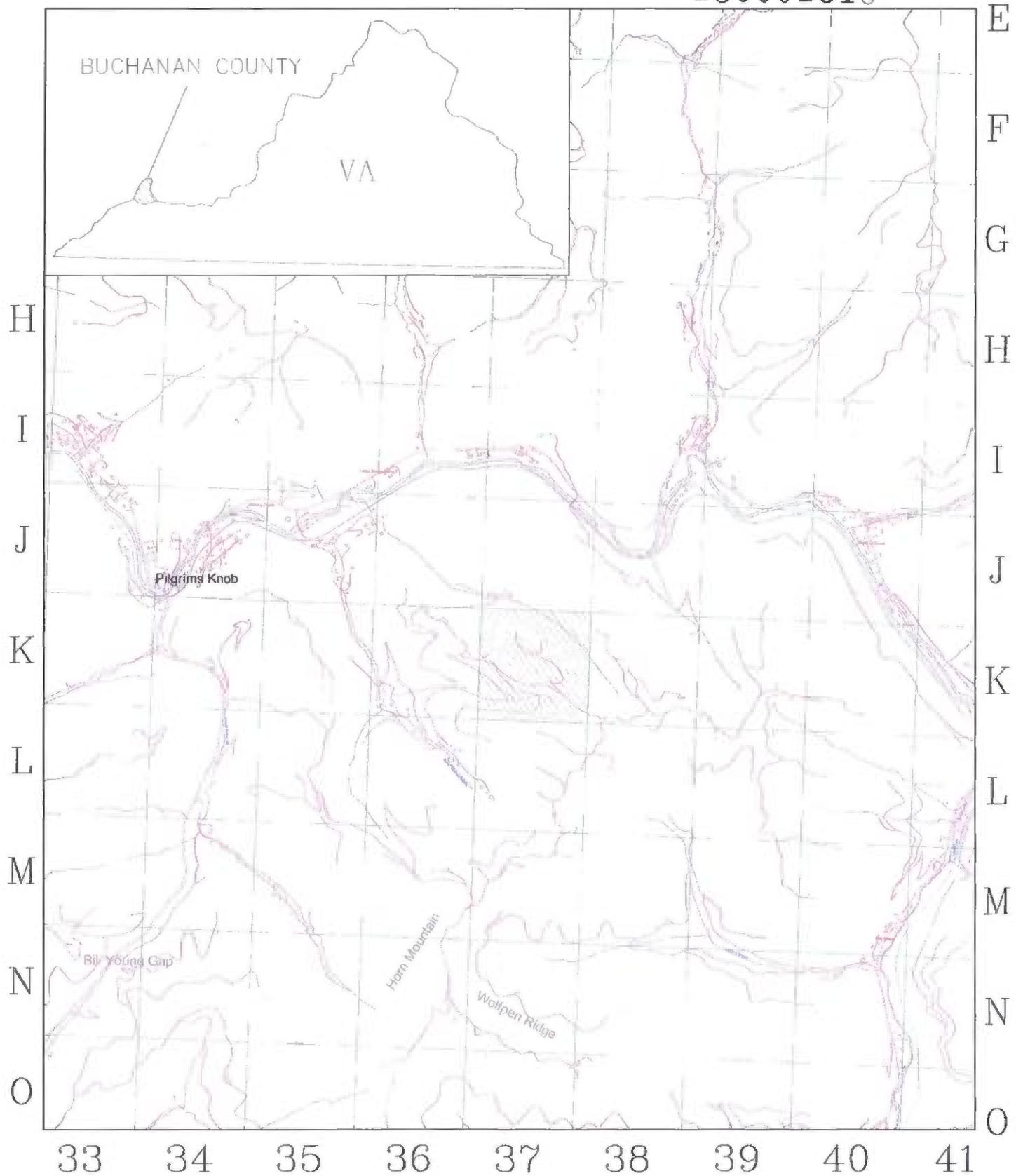


EXHIBIT A1
UNIT K-37
VG0B 02-1119-1093-02

180001318

INSTRUMENT 180001318
RECORDED IN THE CLERK'S OFFICE OF
BUCHANAN COUNTY CIRCUIT COURT ON
August 9, 2018 AT 11:25 AM
BEVERLY S. TILLER, CLERK
RECORDED BY: CXE