

VIRGINIA:

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX GAS COMPANY LLC) VIRGINIA GAS
) AND OIL BOARD

RELIEF SOUGHT: POOLING OF INTERESTS IN)
DRILLING UNIT NO. AY-145 LOCATED) DOCKET NO.
IN THE MIDDLE RIDGE I COALBED) 16-1115-4100
METHANE GAS FIELD 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"))

TAX Map
IDENTIFICATION
NUMBERS FOR
ALL
PARCELS
AFFECTED BY
THIS ORDER ARE
SHOWN ON THE
TRACT
IDENTIFICATION
PAGE
FOLLOWING
EXHIBIT A
WHICH
IS ATTACHED TO
AND A PART OF

LEGAL DESCRIPTION:

DRILLING UNIT NUMBER AY-145
(herein "Subject Drilling Unit") IN THE
MIDDLE RIDGE I COALBED METHANE GAS FIELD
MAIDEN SPRINGS MAGISTERIAL DISTRICT
RICHLANDS QUADRANGLE
TAZEWELL COUNTY, VIRGINIA
(the "Subject Lands" are more
particularly described on Exhibit
"A", attached hereto and made a
part hereof)

REPORT OF THE BOARD

FINDINGS AND ORDER

1. Hearing Date and Place: This came for final hearing before the Virginia Gas and Oil board (hereafter "Board") at 9:00 a.m. on **November 15, 2016** 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 Kugelman, Jr., Senior 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 Jawbone 1, including Tiller, Upper Horsepen, Middle Horsepen, War Creek, Beckley, Lower Horsepen, Pocahontas No. 8, Pocahontas No. 6, Pocahontas No. 5, Pocahontas No. 4, Pocahontas No. 3, Pocahontas No. 1 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 are persons identified by Applicant through its due diligence who may be 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 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 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 Middle Ridge I Coalbed Methane Gas Field Order VGOB 00-1017-0835, effective October 17, 2000; 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 Middle Ridge I Field Rules, 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 **58.74**-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 **58.74**-acre drilling unit in the manner set forth in the Middle Ridge 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 Middle Ridge 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:	<u>AY145</u>	<u>\$332,283.00</u>
	Total	\$332,283.00

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 Middle Ridge I Coalbed Gas Field Order VGOB 00-1017-0835, 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
P.O. Box 570
Pounding Mill, VA 24637
Attn: Anita D. Duty**

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 no unknown or unlocatable claimants in 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** conflicting claimants in **Tract(s) 2F** of 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) 5** 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 E. Valley Drive
Bristol, VA 24201
Attn: Escrow Agent**

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

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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 **99.8638** 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 **Tazewell** 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 **0.1362** 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 30 day of November, 2016 by a majority of the Virginia Gas and Oil Board.



Chairman, Bradley C. Lambert

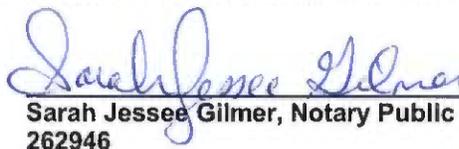
DONE AND PERFORMED this 30 day of November, 2016 by Order of the Virginia Gas and Oil Board.



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

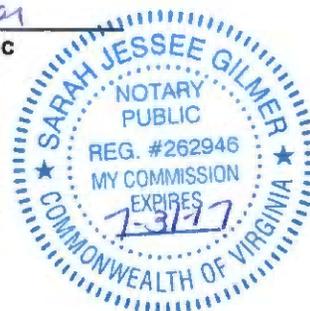
COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

Acknowledged on this 30th day of November, 2016, 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 and appeared Rick Cooper, being duly sworn did depose and say that he is Principal Executive to the staff of the Virginia Gas and Oil Board, that they executed the same and was authorized to do so.



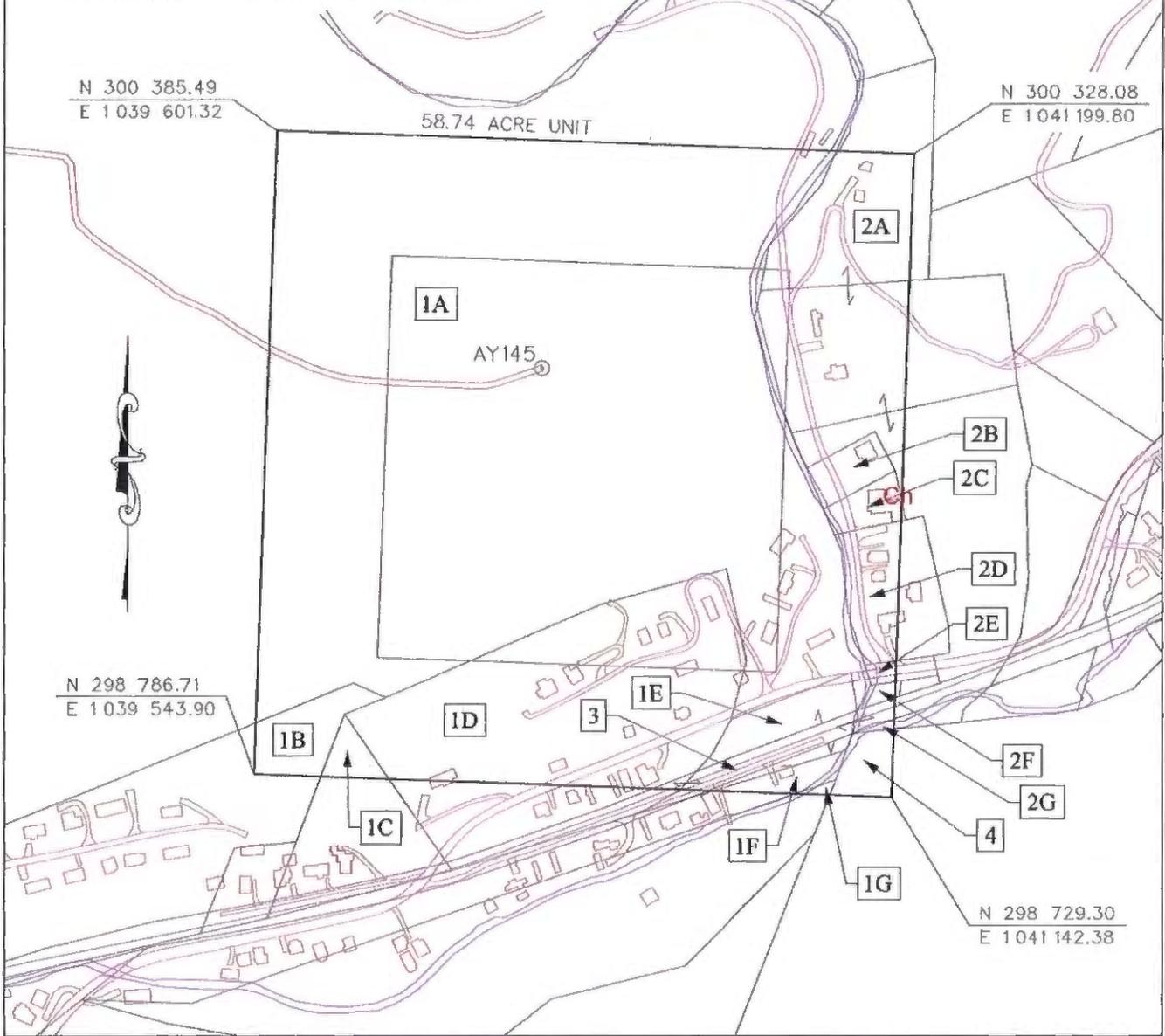
Sarah Jessee Gilmer, Notary Public
262946

My Commission expires: July 31, 2017



EX 2016 020389

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



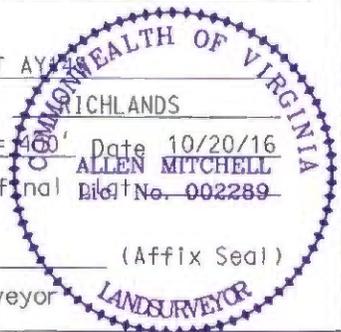
CBM WELL
 PROPOSED CBM WELL

EXHIBIT A
 MIDDLE RIDGE FIELD
 UNIT AY145
 FORCE POOLING
 VGOB-16-1115-4100

Company CNX Gas Company LLC Well Name and Number UNIT AY145
 Tract No. _____ Elevation _____ Quadrangle _____
 County TAZEWELL District MAIDEN SPRINGS Scale: 1" = 400' Date 10/20/16
 This plat is a new plat X ; an updated plat _____ ; or a final plat No. 002289

Form DGO-GO-7
 Rev. 9/91

Licensed Professional Engineer or Licensed Land Surveyor



CNX Gas Company LLC
Unit AY 145
Tract Identifications

1. Southern Region Industrial Realty Corp., et al. Tr. 1 (4430 Ac. Tract)- All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Tax Map 105 Parcel 30
 50.02 Acres 85.1549%

- 1A. Southern Region Industrial Realty Corporation – Surface
 Appalachian Forests A., LLC – Timber
- 1B. Unknown Surface Owner
- 1C. Unknown Surface Owner
- 1D. Unknown Surface Owner
- 1E. Unknown Surface Owner
- 1F. Unknown Surface Owner
- 1G. Unknown Surface Owner

- 2A. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Southern Region Industrial Realty Corporation – Surface
 Appalachian Forests A., LLC – Timber
 Tax Map 87A Parcel 33
 5.48 Acres 9.3292%

- 2B. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Unknown Surface Owner
 Tax Map 106A Parcel 3
 0.50 Acres 0.8512%

- 2C. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Unknown Surface Owner
 Tax Map 106A Parcel 00
 0.42 Acres 0.7150%

"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 AY 145****Tract Identifications**

- 2D. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Unknown Surface Owner
 Tax Map 106A Parcel 4
 0.98 Acres 1.6683%
- 2E. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Commonwealth of Virginia – Surface
 Tax Map 106A Parcel 00
 0.08 Acres 0.1361%
- 2F. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Commonwealth of Virginia – Surface, Oil and Gas
 Tax Map 106A Parcel 00
 0.08 Acres 0.1361%

OR

- Commonwealth of Virginia – Fee
 Tax Map 106A Parcel 00
 0.08 Acres 0.1361%
- 2G. Southern Region Industrial Realty Corp., et al. Tr. 12 (153.17 Ac. Tract) – All Coal except P-3 Seam
 Pardee Royalty LLC and Pardee Minerals LLC – Coal Owner's Claim to CBM
 Buchanan Mining Company LLC – Coal in P-3 Seam
 White Wolfe Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
 CNX Gas Company LLC – CBM in P-3 Seam
 CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
 Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
 Southern Region Industrial Realty Corporation – Surface
 Appalachian Forests A., LLC – Timber
 Tax Map 106A Parcel 6
 0.03 Acres 0.0510%
3. Norfolk Southern Railway Company – Fee
 CNX Gas Company LLC – CBM Leased
 "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 AY 145
Tract Identifications

Tax Map 106A Parcel 00
0.69 Acres 1.1746%

4. PJ Brown Heirs (114.11 Ac. Tract) – Coal
Norfolk Southern Railway Company – Surface, Oil and Gas
CNX Gas Company LLC – CBM Leased
Tax Map 106A Parcel 11
0.46 Acres 0.7831%

"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 AY-145
Docket # VGOB 16-1115-4100
List of all Owners/Claimants
(58.74 Acre Unit)**

	Net Acres in Unit	Interest in Unit
I. COAL OWNERSHIP		
<u>Tract #1 - 50.02 acres</u>		
(1) Southern Region Industrial Realty Corp. <i>(Coal except P3 Seam); Tr. 1 (4430 acre tract) Pocahontas Land Corporation, Agent P. O. Box 1517 Bluefield, WV 24701</i>	50.02 acres	85.1549%
<i>Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99</i>		
Penn Virginia Oil & Gas Corporation		
<i>Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds</i>		
EnerVest Energy Funds		
<i>With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC</i>		
Pardee Royalty LLC and Pardee Minerals LLC P. O. Box 102904 Atlanta, GA 30368-2904		
White Wolf Energy, Inc. 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		
(2) Buchanan Mining Company LLC <i>(Coal in P3 Seam only) **</i>		
PO Drawer L Oakwood, VA 24631		
<u>Tract #2A - 5.48 acres</u>		
(1) Southern Region Industrial Realty Corp. <i>(Coal except P3 Seam); Tr. 12 (153.17 acre tract) Pocahontas Land Corporation, Agent P. O. Box 1517 Bluefield, WV 24701</i>	5.48 acres	9.3292%
<i>Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99</i>		
Penn Virginia Oil & Gas Corporation		
<i>Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds</i>		
EnerVest Energy Funds		
<i>With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC</i>		
Pardee Royalty LLC and Pardee Minerals LLC P. O. Box 102904 Atlanta, GA 30368-2904		
White Wolf Energy, Inc. 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		
(2) Buchanan Mining Company LLC <i>(Coal in P3 Seam only) **</i>		

PO Drawer L
Oakwood, VA 24631

Tract #2B - 0.50 acres

- (1) Southern Region Industrial Realty Corp. *(Coal except P3 Seam)*; 0.50 acres 0.8512%
Tr. 12 (153.17 acre tract)
Pocahontas Land Corporation, Agent
P. O. Box 1517
Bluefield, WV 24701

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
P. O. Box 102904
Atlanta, GA 30368-2904

White Wolf Energy, Inc.
300 Corporate Centre Drive
Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC *(Coal in P3 Seam only)* **
PO Drawer L
Oakwood, VA 24631

Tract #2C - 0.42 acres

- (1) Southern Region Industrial Realty Corp. *(Coal except P3 Seam)*; 0.42 acres 0.7150%
Tr. 12 (153.17 acre tract)
Pocahontas Land Corporation, Agent
P. O. Box 1517
Bluefield, WV 24701

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
P. O. Box 102904
Atlanta, GA 30368-2904

White Wolf Energy, Inc.
300 Corporate Centre Drive
Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC *(Coal in P3 Seam only)* **
PO Drawer L
Oakwood, VA 24631

Tract #2D - 0.98 acres

- (1) Southern Region Industrial Realty Corp. (Coal except P3 Seam); 0.98 acres 1.6684%
 Tr. 12 (153.17 acre tract)
 Pocahontas Land Corporation, Agent
 P. O. Box 1517
 Bluefield, WV 24701

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
 P. O. Box 102904
 Atlanta, GA 30368-2904

White Wolf Energy, Inc.
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC (Coal in P3 Seam only) **
 PO Drawer L
 Oakwood, VA 24631

Tract #2E - 0.08 acres

- (1) Southern Region Industrial Realty Corp. (Coal except P3 Seam); 0.08 acres 0.1362%
 Tr. 12 (153.17 acre tract)
 Pocahontas Land Corporation, Agent
 P. O. Box 1517
 Bluefield, WV 24701

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
 P. O. Box 102904
 Atlanta, GA 30368-2904

White Wolf Energy, Inc.
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC (Coal in P3 Seam only) **
 PO Drawer L
 Oakwood, VA 24631

Tract #2F - 0.08 acres

- (1) Southern Region Industrial Realty Corp. (Coal except P3 Seam); 0.08 acres 0.1362%
 Tr. 12 (153.17 acre tract)
 Pocahontas Land Corporation, Agent
 P. O. Box 1517
 Bluefield, WV 24701

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
 P. O. Box 102904
 Atlanta, GA 30368-2904

White Wolf Energy, Inc.
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC *(Coal in P3 Seam only)* **
 PO Drawer L
 Oakwood, VA 24631

OR

- | | | | |
|-----|---|------------|---------|
| (1) | Commonwealth of Virginia
Department of Transportation
870 Bonham Road
Bristol, VA 24201-2002 | 0.08 acres | 0.1362% |
|-----|---|------------|---------|

Tract #2G - 0.03 acres

- | | | | |
|-----|---|------------|---------|
| (1) | Southern Region Industrial Realty Corp. <i>(Coal except P3 Seam)</i>
Tr. 12 (153.17 acre tract)
Pocahontas Land Corporation, Agent
P. O. Box 1517
Bluefield, WV 24701 | 0.03 acres | 0.0511% |
|-----|---|------------|---------|

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Pardee Royalty LLC and Pardee Minerals LLC
 P. O. Box 102904
 Atlanta, GA 30368-2904

White Wolf Energy, Inc.
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

- (2) Buchanan Mining Company LLC *(Coal in P3 Seam only)* **
 PO Drawer L
 Oakwood, VA 24631

Tract #3 - 0.69 acres

- | | | | |
|-----|----------------------------------|------------|---------|
| (1) | Norfolk Southern Railway Company | 0.69 acres | 1.1747% |
|-----|----------------------------------|------------|---------|

Royalties paid to:
 Pocahontas Land Corporation
 Treasurer, Pocahontas Land Corporation
 P. O. Box 1517
 Bluefield, WV 24701

Tract #4 - 0.46 acres

- | | | |
|--|------------|---------|
| | 0.46 acres | 0.7831% |
|--|------------|---------|
- (1) PJ Brown Heirs, Devisees,
Successors or Assigns
(114.11 Acre Tract)
- (a) Narcie Fletcher Heirs, Devisees, Successors or Assigns *Died Testate - Interest devised to Laura C. Repass*
- (a.1) Laura C. Repass Heirs, Devisees, Successors or Assigns *Predeceased Narcie Fletcher Interest passed to daughter*
- (a.1.1) Lynn Repass Mullins, Heirs, Successors or Assigns *Died Testate - Interest devised to John R. Mullins*
- (a.1.1.1) John R. Mullins Bankruptcy Estate
c/o John Taylor
4600 Park Rd., Suite 420
Charlotte, NC 28209
- (b) Ella W. Weddington Heirs, Devisees, Successors or Assigns
- (b.1) Hattie Thompson
- (b.1.1) Oscar W. Thompson, Jr. Heirs, Devisees, Successors or Assigns
- (b.1.1.1) James F. Thompson
PO Box 3443
Pikeville, KY 41502
- (b.1.1.2) Janie T. Hall
PO Box 2316
Pikeville, KY 41502
- (b.1.1.3) Oscar W. Thompson, III
PO Box 3170
Pikeville, KY 41502
- (b.1.2) Betty T. Scott Heirs, Devisees, Successors or Assigns
- (b.1.2.1) William T. Scott
PO Box 1316
Pikeville, KY 41502
- (b.1.2.1.1) Andrew H. Scott & John W. Scott, Trust
PO Box 1316
Pikeville, KY 41502
- (b.1.2.2) John H. Scott, III
PO Box 2617
Pikeville, KY 41502
- (b.2) Edith Cassady
- (b.2.1) Edith Mae Vanhooose Heirs, Devisees,
Successors or Assigns
- (b.2.1.1) Suzy J. DeLong Trust
c/o Suzy DeLong, Trustee
276 Yorkwood Forest Drive
Pikeville, KY 41501
- (b.2.1.2) Charles R. Vanhooose Trust
c/o Charles R. Vanhooose, Trustee
149 Thompson Road
Pikeville, KY 41501
- (b.2.1.3) William C. Vanhooose Trust
c/o Wm. C. Vanhooose, Trustee
176 East Cedar Drive
Pikeville, KY 41501
- (b.2.2) Ballard W. Cassady Heirs, Devisees,
Successors or Assigns
- (b.2.2.1) Cassady Family Ventures, LLC
143 Walnut Dr.
Pikeville, KY 41501

(b.3) Fae W. Ramsey (aka Faye)

- (b.3.1) Susan Joyce Ramsey Aldrich
85 Weddington Branch Road
Pikeville, KY 41501
- (b.3.2) William N. Ramsey, Jr.
85 Weddington Branch Road
Pikeville, KY 41501
- (b.3.3) George Frank Ramsey
85 Weddington Branch Road
Pikeville, KY 41501
- (b.3.4) Robert Wayne Ramsey
4503 N Mayo Trl 285
Pikeville, KY 41501
- (b.3.5) Linda Hall
4503 N Mayo Trl 330
Pikeville, KY 41501
- (b.3.6) Joe Ballard Ramsey, II
354 Weddington Branch Rd Suite 2
Pikeville, KY 41501

(c) Lena B. Carter - Deceased (Life Estate extinguished)

(c.1) Allen B. Carter

(c.1.1) William H. Carter
Address Unknown

(c.1.2) Sue C. Lemaire Haga, et vlr.

(c.1.2.1) James A. Sloan Heirs, Deviseses,
Successors or Assigns
Heirs / Addresses Pending

(c.1.2.2) Eleanor Lynette Lemaire
864 West Street
Carlisle, MA 01741

(c.2) Guy P. Carter

(c.2.1) Johnnye H. Carter Greer Hunter - *Deceased*

(c.2.1.1) Wahan Page Carter
601 Kemp Road West
Greensboro, NC 27410

(c.2.1.2) Johnnye Juan Carter Letterman
3104 Watagua Drive
Greensboro, NC 27410

(c.2.1.3) Toni Baetz McGowan
1916 Trumbull Drive
Dunwoody, GA 30338

(c.2.1.4) Melissa J. Greer
Address Unknown

(c.2.1.5) Scott M. Greer
209 Sunset Ridge Blvd
Johnson City, TN 37615

(d) George M. Brown Heirs, Deviseses, Successors or Assigns

(d.1) H. Eldridge Brown Heirs, Deviseses, Successors or Assigns

(d.1.1) Gertrude Hudson Brown

(d.1.2) Pauline Brown Hagy

(d.1.3) Henry Eldridge Brown II

(d.1.4) George Glayde Brown

(d.1.5) Eldridge Brown Company
 c/o Gertrude Brown
 209 Allizer Street
 Richlands, VA 24641

(e) Rosa B. McKenry Heirs, Devisees, Successors or Assigns

(e.1) John A. McKenry - Deceased

(e.2) Luther George McKenry Heirs, Devisees, Successors or Assigns

(e.2.1) Patricia Thouvelle McKenry - Deceased

(e.2.2) Charles Robert McKenry
 3122 Birch St.
 Carmichael, CA 95608

(e.2.3) Nancy McKenry Goss
 502 W. Broad St., #314
 Falls Church, VA 22046

(e.3) James S. McKenry

(e.3.1) James R. McKenry

(e.3.1.1) Susan W. McKenry
 3810 Atlantic Ave, Apt 606
 Virginia Beach, VA 23451

(e.3.1.2) James Reinhardt McKenry, Jr.
 16 Riverbank Ct. #1
 New Canaan, 06840

(e.3.1.3) Monica Cole McKenry Johnson
 4630 Sperryville Pike
 Woodville, VA 22749

(e.3.1.4) Margaret Nash
 4021 Shallowbrook Lane
 Olney, MD 20832

(e.4) John A. McKenry, Jr.

(e.4.1) John A. McKenry, III Heirs, Devisees,
 Successors or Assigns

(e.4.1.1) Mary McKenry
 PO Box 138
 Idledale, CO 80453

(e.4.1.2) Natalie McKenry
 PO Box 7733
 Shonto, AZ 86054

(e.4.1.3) Elizabeth C. Gillespie
 4689 S Mariposa DR
 Englewood, CO 80110

(e.4.2) Elizabeth A. McKenry Mayhew aka Betty
 1063 Hollow Hill Rd
 Lynchburg, VA 24503

(e.4.3) James Paris McKenry Heirs, Devisees, Successors or Assigns

(e.4.3.1) Michelle Martin McKenry Webb
 7420 Franktown Rd
 Washoe Valley, NV 89704

(e.4.3.2) Cynthia McKenry-Therrien
 PO Box 205
 Church View, VA 23032

(e.4.4) Natalie Sue McKenry Callis
 53 Parkers Point Blvd.
 Forked River, NJ 08731

- (e.5) A. P. McKenny Heirs, Devisees, Successors or Assigns
 - (e.5.1) Ellen S. McKenny - *Deceased*
 - (e.5.2) Lucie M. Baldle Heirs, Devisees, Successors or Assigns
 - (e.5.2.1) Ellen Allen
109 Horn Creek Ct.
Cary, NC 27519
 - (e.5.3) A. P. McKenny, Jr. Heirs, Devisees, Successors or Assigns
 - (e.5.3.1) Elolse N. McKenny Heirs, Devisees, Successors or Assigns
 - (e.5.3.1.1) Ellen Allen
109 Horn Creek Ct.
Cary, NC 27519
- (e.6) Carl E. B. McKenny, Sr. Heirs, Devisees, Successors or Assigns
 - (e.6.1) Carl E. B. McKenny, Jr.
 - (e.6.1.1) Carl McKenny Revocable Trust
7 Kilone Grove
Ballybeg, Ennis, County Clare, Ireland
- (f) James B. Brown Heirs, Devisees, Successors or Assigns
 - (f.1) George Ira Brown Heirs, Devisees, Successors or Assigns
 - (f.1.1) Ella Madge Brown Heirs, Devisees, Successors or Assigns
 - (f.1.2) A. P. Brown Heirs, Devisees, Successors or Assigns
 - (f.1.2.1) Anna Ruth Brown - *Deceased*
 - (f.2.1.2) Grover Ira Brown Heirs, Devisees, Successors or Assigns
 - (f.1.2.2.1) Rodney Lynn Brown
202 Laurel Wood Acres Road
Cedar Bluff, VA 24609
 - (f.1.2.3) Sarah Arlene Brown Buchanan Heirs, Devisees,
Successors or Assigns
 - (f.1.2.3.1) Preston Buchanan
50 Cricket Lane
Cedar Bluff, VA 24609
 - (f.1.2.3.2) Laura Buchanan
RR 2 Box B
Cedar Bluff, VA 24609
 - (f.1.2.3.3) Sarah B. Taylor
PO Box 283
Pounding Mill, VA 24637
 - (f.1.2.3.4) Ira Buchanan
2737 Little Creek Hwy
Dublin, VA 24084
 - (f.2) Charles G. Brown Heirs, Devisees, Successors or Assigns
 - (f.2.1) Hannah Ascue Brown Taylor Heirs, Devisees,
Successors or Assigns
 - (f.2.1.1) Glenn Taylor
PO Box 103
Rosedale, VA 24260
 - (f.2.1.2) Barbara Taylor Pauley
PO Box 767
Rosedale, VA 24260
 - (f.3) Earl Brown Heirs, Devisees, Successors or Assigns

(f.3.1) Vivian Witt Brown - *Deceased*

(f.3.2) Harold Kent Brown Heirs, Devisees,
Successors or Assigns

(f.3.2.1) Margaret Hatcher Brown Heirs, Devisees,
Successors or Assigns

(f.3.2.1.a) Martha B. Short
6815 Tinkerdale Road
Roanoke, VA 24019

(f.4) Leola B. Brown Steele

(f.4.1) Henry Woodrow Steele Heirs, Devisees,
Successors or Assigns

(f.4.1.1) Buford Earl Steele
c/o Juanita Clater
P. O. Box 1704
Front Royal, VA 22630

(f.4.1.2) Mary Francis Steele Carter Heirs, Devisees,
Successors or Assigns
Documentation Pending

(f.4.1.2.a) Kenneth Carter
125 Hillidge St
Front Royal, VA 22630

(f.4.1.2.b) Tina Carter
125 Hillidge St
Front Royal, VA 22630

(f.4.1.2.c) David Carter
125 Hillidge St
Front Royal, VA 22630

(f.4.1.2.d) Jennifer Wiles
30 W. Strasburg Rd
Front Royal, VA 22630

(f.4.2) Claytor S. Grove Heirs, Devisees,
Successors or Assigns

(f.4.2.1) Charles M. Grove, Jr. Heirs, Devisees,
Successors or Assigns

(f.4.2.1.a) Roberta C. Grove
881 Rockland Road
Front Royal, VA 22630

(f.4.2.2) Shirley G. Singhas
305 Duncan Avenue
Front Royal, VA 22630

(f.4.3) Faye S. Hough Heirs, Devisees,
Successors or Assigns

(f.4.3.1) J. Tyson Hough Heirs, Devisees,
Successors or Assigns

(f.4.3.1.1) James M. Singhas Heirs, Devisees,
Successors or Assigns

(f.4.3.1.1.a) Doris L. Singhas Heirs, Devisees,
Successors or Assigns

(f.4.3.1.1.a.1) Amber Frazier
213 Page St
Berryville, VA 22611

(f.5) Henry P. Brown Heirs, Devisees,
Successors or Assigns

(f.5.1) George M. Brown *see (d) above*

(f.5.2) Beatrice F. Brown - *Deceased*

(f.5.3) James Moses Brown Heirs, Devisees
Successors or Assigns

(f.5.3.1) Roxie Brown
108 Brown Bottom Lane
Cedar Bluff, VA 24609

(f.5.3.2) James William Brown Heirs, Devisees,
Successors or Assigns

(f.5.3.2.a) Brenda Owens Brown Powell
4855 Trevino Circle
Duluth, GA 30096

(f.5.4) Eugene Lee Brown Heirs, Devisees
Successors or Assigns

(f.5.4.1) Martha Evelyn Christian Brown Heirs, Devisees,
Successors or Assigns

(f.5.4.1.a) Nora Catherine Damron
PO Box 540
Cedar Bluff, VA 24609

(f.5.4.2) Virginia Brown Palmer
26068 NC Highway 8
Denton, NC 27239

(f.5.4.3) Benjamin Patton Brown
72 Beths Lane
Cedar Bluff, VA 24609

(f.5.4.4) Charles Henry Brown
14376 Peaceful Valley Road
Abingdon, VA 24210

(f.5.4.5) William David Brown
609 Fulton Street
Millville, NJ 08332

(f.5.4.6) Eugene L. Brown, Jr.
3875 Gralton Road
Tazewell, VA 24651

(f.6) Marjorie Brown Ascue Heirs, Devisees, Successors or Assigns

(f.6.1) Russell A. Ascue - *Deceased*

(f.6.2) Ruth A. Martin (aka Myrtle Ruth Martin)

(f.6.2.1) Joseph B. Martin, Jr.
3844 Tangle Oak Drive
Clemmons, NC 27012

(f.6.3) Catherine A. Lee Heirs, Devisees
Successors or Assigns

(f.6.3.1) Morris R. Lee
1072 Ascue Road
Cedar Bluff, VA 24609

(f.6.4) Hannah Ascue Taylor Heirs, Devisees,
Successors or Assigns

(f.6.4.1) Barbara Taylor Pauley
P.O. Box 767
Rosedale, VA 24280

(f.6.4.2) Glenn C. Taylor
P.O. Box 103
Rosedale, VA 24280

(g) Florence Crabtree Heirs, Devisees, Successors or Assigns *Died Testate - Interest devised to the Estate of P.J. Brown.*

II. OIL & GAS OWNERSHIP

100.0000%

Tract #1 - 50.02 acres

- | | | | |
|-----|---|-----------------------------------|----------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 50.02 acres | 85.1549% |
| (a) | Pardee Royalty LLC *
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 25.01 acres
1/2 of 50.02 acres | 42.5775% |
| (b) | Pardee Minerals LLC*
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 25.01 acres
1/2 of 50.02 acres | 42.5775% |
- White Wolf Energy, Inc. *
300 Corporate Centre Drive
Scott Depot, WV 25860
(previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

- | | | | |
|-----|--|-------------|--|
| (2) | CNX Gas Company, LLC <i>(CBM in P3 Seam only)</i> **
1000 Consol Energy Drive
Canonsburg, PA 15317 | 50.02 acres | |
|-----|--|-------------|--|

** Note: There is no issue - Does not receive royalty for P3 Seam ownership.

Tract #2A - 5.48 acres

- | | | | |
|-----|---|---------------------------------|---------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 5.48 acres | 9.3292% |
| (a) | Pardee Royalty LLC *
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 2.74 acres
1/2 of 5.48 acres | 4.6646% |
| (b) | Pardee Minerals LLC*
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 2.74 acres
1/2 of 5.48 acres | 4.6646% |
- White Wolf Energy, Inc. *
300 Corporate Centre Drive
Scott Depot, WV 25860
(previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

- | | | | |
|-----|--|------------|--|
| (2) | CNX Gas Company, LLC <i>(CBM in P3 Seam only)</i> **
1000 Consol Energy Drive
Canonsburg, PA 15317 | 5.48 acres | |
|-----|--|------------|--|

** Note: There is no issue - Does not receive royalty for P3 Seam ownership.

Tract #2B - 0.50 acres

- | | | | |
|-----|---|---------------------------------|---------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 0.50 acres | 0.8512% |
| (a) | Pardee Royalty LLC *
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.25 acres
1/2 of 0.50 acres | 0.4256% |
| (b) | Pardee Minerals LLC*
<i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i>
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.25 acres
1/2 of 0.50 acres | 0.4256% |

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
 (previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

- | | | |
|-----|---|------------|
| (2) | CNX Gas Company, LLC (CBM in P3 Seam only) **
1000 Consol Energy Drive
Canonsburg, PA 15317 | 0.50 acres |
|-----|---|------------|

** Note: There is no Issue - Does not receive royalty for P3 Seam ownership.

Tract #2C - 0.42 acres

- | | | | |
|-----|--|---------------------------------|---------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 0.42 acres | 0.7150% |
| (a) | Pardee Royalty LLC *
(Oil, Gas & CBM Owner except CBM in P3 Seam)
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.21 acres
1/2 of 0.42 acres | 0.3575% |
| (b) | Pardee Minerals LLC*
(Oil, Gas & CBM Owner except CBM in P3 Seam)
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.21 acres
1/2 of 0.42 acres | 0.3575% |

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
 (previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

- | | | |
|-----|---|------------|
| (2) | CNX Gas Company, LLC (CBM in P3 Seam only) **
1000 Consol Energy Drive
Canonsburg, PA 15317 | 0.42 acres |
|-----|---|------------|

** Note: There is no Issue - Does not receive royalty for P3 Seam ownership.

Tract #2D - 0.98 acres

- | | | | |
|-----|--|---------------------------------|---------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 0.98 acres | 1.6684% |
| (a) | Pardee Royalty LLC *
(Oil, Gas & CBM Owner except CBM in P3 Seam)
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.49 acres
1/2 of 0.98 acres | 0.8342% |
| (b) | Pardee Minerals LLC*
(Oil, Gas & CBM Owner except CBM in P3 Seam)
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.49 acres
1/2 of 0.98 acres | 0.8342% |

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
 (previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

- | | | |
|-----|---|------------|
| (2) | CNX Gas Company, LLC (CBM in P3 Seam only) **
1000 Consol Energy Drive
Canonsburg, PA 15317 | 0.98 acres |
|-----|---|------------|

** Note: There is no Issue - Does not receive royalty for P3 Seam ownership.

Tract #2E - 0.08 acres

- | | | | |
|-----|--|---------------------------------|---------|
| (1) | Pardee Royalty LLC and Pardee Minerals LLC* | 0.08 acres | 0.1362% |
| (a) | Pardee Royalty LLC *
(Oil, Gas & CBM Owner except CBM in P3 Seam)
P. O. Box 102904
Atlanta, GA 30368-2904 | 0.04 acres
1/2 of 0.08 acres | 0.0681% |

(b) Pardee Minerals LLC* 0.04 acres 0.0681%
(Oil, Gas & CBM Owner except CBM in P3 Seam)
 P. O. Box 102904 1/2 of 0.08 acres
 Atlanta, GA 30368-2904

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

(2) CNX Gas Company, LLC *(CBM in P3 Seam only)* ** 0.08 acres
 1000 Consol Energy Drive
 Canonsburg, PA 15317

** Note: There is no Issue - Does not receive royalty for P3 Seam ownership.

Tract #2F - 0.08 acres

Title conflict

(1) Pardee Royalty LLC and Pardee Minerals LLC* 0.08 acres 0.1362%

(a) Pardee Royalty LLC * 0.04 acres 0.0681%
(Oil, Gas & CBM Owner except CBM in P3 Seam)
 P. O. Box 102904 1/2 of 0.08 acres
 Atlanta, GA 30368-2904

(b) Pardee Minerals LLC* 0.04 acres 0.0681%
(Oil, Gas & CBM Owner except CBM in P3 Seam)
 P. O. Box 102904 1/2 of 0.08 acres
 Atlanta, GA 30368-2904

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

(2) CNX Gas Company, LLC *(CBM in P3 Seam only)* ** 0.08 acres
 1000 Consol Energy Drive
 Canonsburg, PA 15317

** Note: There is no Issue - Does not receive royalty for P3 Seam ownership.

OR

(1) Commonwealth of Virginia 0.08 acres 0.1362%
 Department of Transportation
 870 Bonham Road
 Bristol, VA 24201-2002

Tract #2G - 0.03 acres

(1) Pardee Royalty LLC and Pardee Minerals LLC* 0.03 acres 0.0511%

(a) Pardee Royalty LLC * 0.02 acres 0.0255%
(Oil, Gas & CBM Owner except CBM in P3 Seam)
 P. O. Box 102904 1/2 of 0.03 acres
 Atlanta, GA 30368-2904

(b) Pardee Minerals LLC* 0.02 acres 0.0255%
(Oil, Gas & CBM Owner except CBM in P3 Seam)
 P. O. Box 102904 1/2 of 0.03 acres
 Atlanta, GA 30368-2904

White Wolf Energy, Inc. *
 300 Corporate Centre Drive
 Scott Depot, WV 25660
(previously Anker Virginia Mining Company, Inc.)

* According to a prior agreement, the CBM royalties will be split 50/50.

BK 2016 1020406

(2) CNX Gas Company, LLC (CBM in P3 Seam only) ** 0.03 acres
1000 Consol Energy Drive
Canonsburg, PA 15317

** Note: There is no issue - Does not receive royalty for P3 Seam ownership.

Tract #3 - 0.69 acres

(1) Norfolk Southern Railway Company 0.69 acres 1.1747%

Royalties paid to:
Pocahontas Land Corporation
Treasurer, Pocahontas Land Corporation
P. O. Box 1517
Bluefield, WV 24701

Tract #4 - 0.46 acres

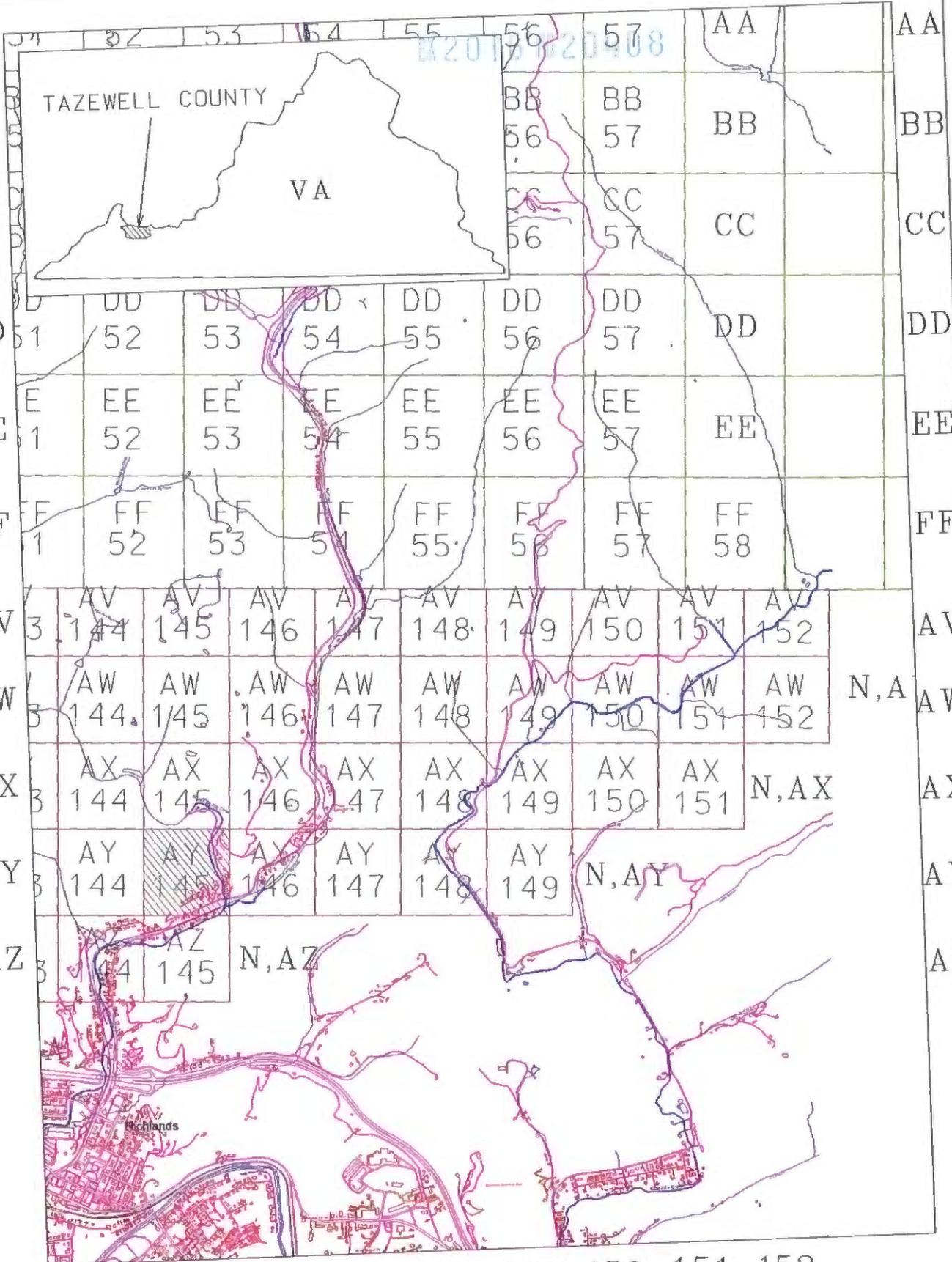
(1) Norfolk Southern Railway Company 0.46 acres 0.7831%

Royalties paid to:
Pocahontas Land Corporation
Treasurer, Pocahontas Land Corporation
P. O. Box 1517
Bluefield, WV 24701

BK 2016 PG 20407

Exhibit B-3
Unit AY-145
Docket # VGOB 16-1115-4100
List of Unleased Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
II. OIL & GAS OWNERSHIP		
<u>Tract #2F - 0.08 acres</u>		
(1) Commonwealth of Virginia Department of Transportation 870 Bonham Road Bristol, VA 24201-2002	0.08 acres	0.1362%



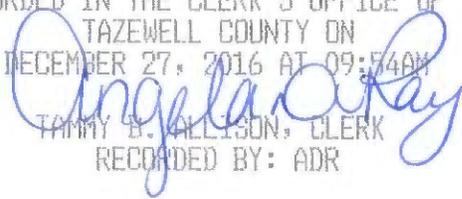
144 145 146 147 148 149 150 151 152

EXHIBIT A1
 UNIT AY-145
 VGOB 16-1115-4100
 Page Number 31.

DK 2016 PG 20409

Exhibit E
Unit AY-145
Docket # VGOB 16-1115-4100
List of Owners/Claimants Requiring Escrow
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
Tract #2F - 0.08 acres		
<i>Escrow due to Title conflict</i>		
OIL & GAS OWNERSHIP		
(1) Pardee Royalty LLC and Pardee Minerals LLC*	0.08 acres	0.1362%
(a) Pardee Royalty LLC * <i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i> P. O. Box 102904 Atlanta, GA 30368-2904	0.04 acres 1/2 of 0.08 acres	0.0681%
(b) Pardee Minerals LLC* <i>(Oil, Gas & CBM Owner except CBM in P3 Seam)</i> P. O. Box 102904 Atlanta, GA 30368-2904	0.04 acres 1/2 of 0.08 acres	0.0681%
White Wolf Energy, Inc. * 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		
* According to a prior agreement, the CBM royalties will be split 50/50.		
(2) CNX Gas Company, LLC <i>(CBM in P3 Seam only)</i> ** 1000 Consol Energy Drive Canonsburg, PA 15317	0.08 acres	
** Note: There is no issue - Does not receive royalty for P3 Seam ownership.		
OR		
(1) Commonwealth of Virginia Department of Transportation 870 Bonham Road Bristol, VA 24201-2002	0.08 acres	0.1362%
	Acres in Tract	0.08
	Percentage in Tract	0.1362%

INSTRUMENT #160003727
RECORDED IN THE CLERK'S OFFICE OF
TAZEWELL COUNTY ON
DECEMBER 27, 2016 AT 09:54AM

TAMMY B. ALLISON, CLERK
RECORDED BY: ADR