

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO.: VGOB 16-1115-4101-01

RELIEF SOUGHT: POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: March 21, 2017

UNIT NUMBER: AW-147
IN THE MIDDLE RIDGE COALBED METHANE GAS FIELD I

TAZEWELL COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 627 Claypool Hill Mall Road, Bluefield, Virginia 24609, 276/596-5143. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.
2. **Relief sought:** Re-Pooling under Middle Ridge Coalbed Methane Gas Field I.
3. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq. 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.
4. **Type of well(s):** Coalbed methane, including increased density wells as required by mining plans.
5. **Permit numbers, if any:** AW147 # TA-0814
6. **Plat:** Annexed hereto are Exhibit A and the Tract Identifications for Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The plat is certified by a licensed professional engineer and is attested by the undersigned on behalf of the applicant to be in conformity with existing orders issued by the Board.
7. **Status of interests to be pooled/re-pooled and Applicant' standing:** The respondents whose interests are sought to be pooled/re-pooled by the Applicant are:

Unknown heirs of Lawrence Stinson, Lena Stinson; Thomas Allen Blankenship, Tamie Reedy, Janice Barrett, JW Blankenship; Nancy Elizabeth Richardson Raybold, James Stuart (aka Jimmy) Richardson, Jr., Thomas Moore Richardson, W. Miller Richardson Trust c/o Wayne T. Horne, Trustee, Estae of Mary E. Spratt c/o Mary Spratt Graybeal, Trustee; Bertha Allen, Edna Justice, JoAnn Lester, Orville Estep, Dallas Estep

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

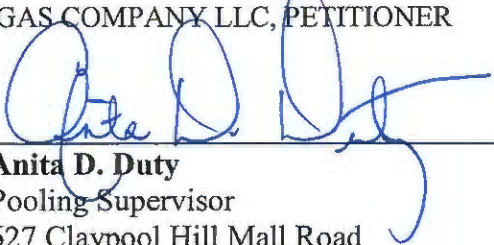
8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Tiller seam of coal all as more particularly described in the annexed proposed order. The estimated total production from subject unit is **125 to 550** MMCF. The estimated amount of reserves from the subject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

9. **Estimate of allowable costs:** **\$674,030.00 (Well AW147 \$337,015.00 & AW147A \$337,015.00)** See Exhibit C which estimates/reports the costs associated with two frac wells. To the extent additional wells may be required by mine plans in the Buchanan No. 1 Mine, the costs of any such additional wells as may be permitted by the Division of Gas and Oil, in accordance with the provisions of §45.1-361.20.C., Code of Virginia, will not be allocated for frac well production to the subject unit by the Operator.

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

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

By: _____


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

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO. VGOB 16-1115-4101-01

RELIEF SOUGHT: RE-POOLING

UNIT NUMBER: AW-147

NOTICE OF HEARING

HEARING DATE: March 21, 2017
PLACE: Russell County Conference Center
135 Highlands Drive
Lebanon, Virginia 24266
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Unknown heirs of Lawrence Stinson, Lena Stinson; Thomas Allen Blankenship, Tamie Reedy, Janice Barrett, JW Blankenship; Nancy Elizabeth Richardson Raybold, James Stuart (aka Jimmy) Richardson, Jr., Thomas Moore Richardson, W. Miller Richardson Trust c/o Wayne T. Horne, Trustee, Estae of Mary E. Spratt c/o Mary Spratt Graybeal, Trustee; Bertha Allen, Edna Justice, JoAnn Lester, Orville Estep, Dallas Estep*

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 627 Claypool Hill Mall Road, Cedar Bluff, Virginia 24609, 276/596-5143. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Re-Pooling

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

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

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

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

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

coalbed methane gas.

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

9. **Estimate of allowable costs:** **\$674,030.00 (Well AW147 \$337,015.00 & AW147A \$337,015.00)**

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

NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at 9:00 AM, on **March 21, 2017**, at the Russell County Government Conference Center, 139 Highlands Drive, Lebanon, Virginia 24266, and that notice will be published as required by law and the Rules of the Board.

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

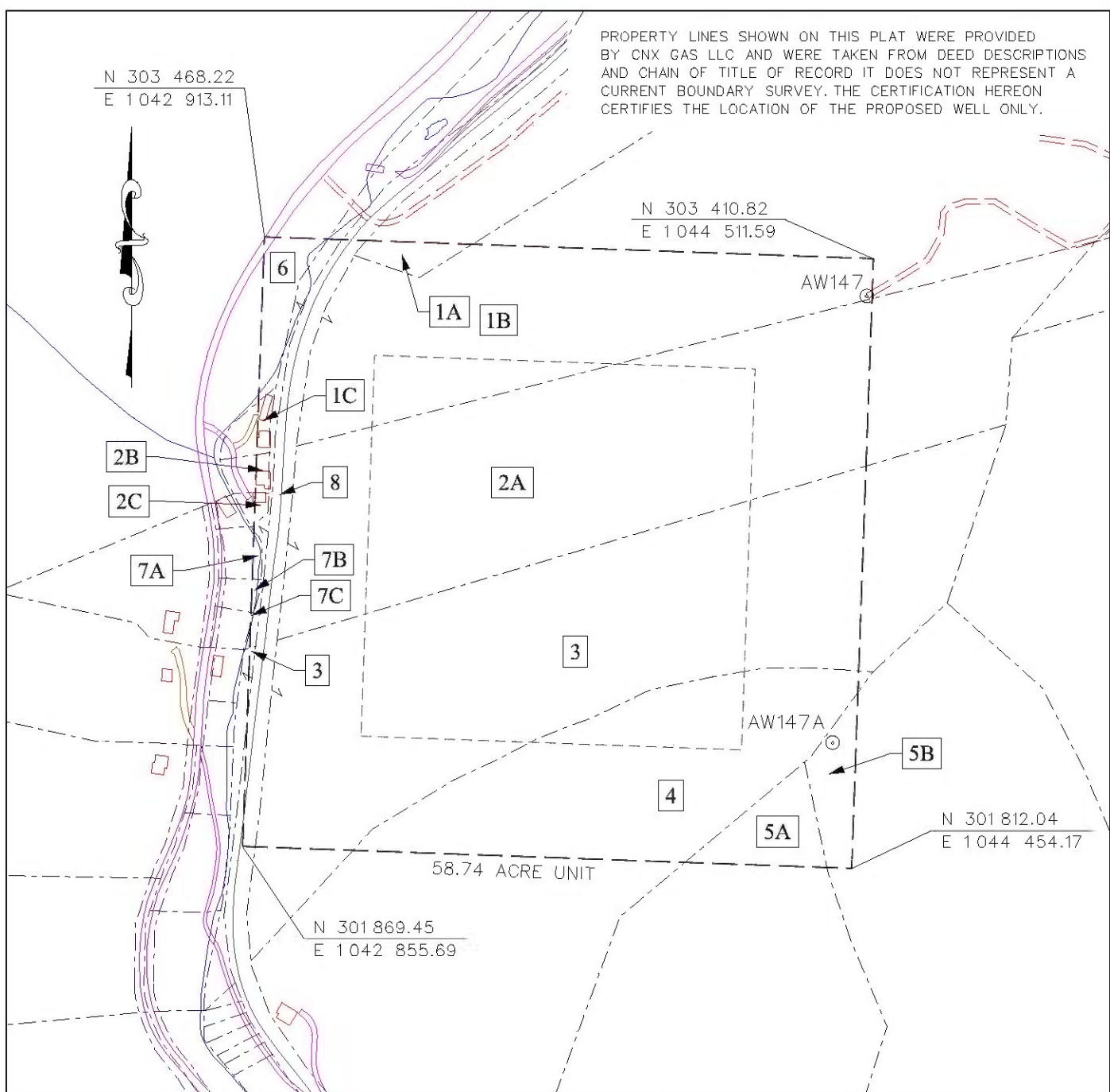
DATED: 2/17/17

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

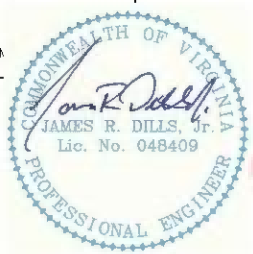
By: 

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

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



 CBM WELL
 PROPOSED CBM



Digitally signed by James R Dills Jr.
 DN: c=US, o=IdenTrust ACES
 Business Representative, ou=D. R.
 PRICE ENGINEERING AND LAND
 SURVEYING INC PC, cn=James R
 Dills Jr.,
 0.9.2342.19200300.100.1.1=A01096
 90000012E01701153000027EA
 Date: 2017.02.08 10:28:42 -05'00'

EXHIBIT A
 MIDDLE RIDGE FIELD
 UNIT AW147
 FORCE POOLING
 VGOB-16-1115-4101-01

Company CNX Gas Company LLC Well Name and Number UNIT AW147
 Tract No. _____ Elevation _____ Quadrangle RICHLANDS
 County TAZEWELL District MAIDEN SPRINGS Scale: 1" = 400' Date 2/3/17
 This plat is a new plat X ; an updated plat _____ ; or a final plat _____

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

CNX Gas Company LLC

UNIT AW147

Tract Identifications

- 1A. Coronado IV LLC (Faraday Tract 260) 84.35 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Norton Coal Company LLC – Surface
Tax Map 87A Parcel 34
0.39 Acres 0.6639%
- 1B. Coronado IV LLC (Faraday Tract 260) 84.35 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Dominion Woodlands, LLC – Surface
Tax Map 87A Parcel 34
10.41 Acres 17.7222%
- 1C. Coronado IV LLC (Faraday Tract 260) 84.35 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Lawrence Stinson Heirs, et al – Surface, Oil and Gas
Tax Map 87A-A Parcel 1 & 2
0.12 Acres 0.2043%
- 2A. Coronado IV LLC (Faraday Tract 154) 21.85 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Dominion Woodlands, LLC – Surface
Tax Map 87A Parcel 35
16.45 Acres 28.0048%
- 2B. Coronado IV LLC (Faraday Tract 154) 21.85 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Wiley and Marie Blankenship Heirs – Surface, Oil and Gas
Tax Map 87A Parcel 3
0.08 Acres 0.1362%
- 2C. Coronado IV LLC (Faraday Tract 154) 21.85 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Thomas A. Blankenship, et al – Surface, Oil and Gas
Tax Map 87A Parcel 4
0.05 Acres 0.0851%

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

CNX Gas Company LLC

UNIT AW147

Tract Identifications

3. Sydney L. Asbury, et al (21.57 Acre Tract) – Minerals
CNX Gas Company LLC – Oil, Gas and CBM Leased
Sydney L. Asbury, et al – Surface
Tax Map NM0098
17.68 Acres 30.0987%

4. Andy Lee Brown, et ux (20.00 Acre Tract) – Fee
Tax Map 87A Parcel 17
8.57 Acres 14.5897%

5. Estate of Mary L. Spratt, et al (39.00 Acre Tract) – Minerals
Simmons Land and Properties, Inc. – Greasy Creek Coal Seam Leased
Tax Map 87A Parcel 16
2.10 Acres 3.5751%

- 5A. Unknown Surface Owner
- 5B. Unknown Surface Owner

6. Southern Region Industrial Realty Corp., Tr.1 (4430 Acre Tract) – All Coal except P-3 Seam
Buchanan Mining Company LLC – Coal in P-3 Seam
CNX Gas Company LLC – CBM in P-3 Seam
White Wolf Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
Southern Region Industrial Realty Corporation – Surface
Appalachian Forests A., LLC – Timber
Tax Map 105 Parcel 30
0.80 Acres 1.3619%

- 7A. Southern Region Industrial Realty Corp., Tr. 12 (153.17 Acre Tract) - All Coal Except P-3 Seam
Buchanan Mining Company LLC – Coal in P-3 Seam
CNX Gas Company LLC – CBM in P-3 Seam
White Wolf Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
James Russell Estep Heirs - Surface, Oil and Gas
Tax Map 87A Parcel 5A
0.06 Acres 0.1021%

- 7B. Southern Region Industrial Realty Corp., Tr. 12 (153.17 Acre Tract) - All Coal Except P-3 Seam
Buchanan Mining Company LLC – Coal in P-3 Seam
CNX Gas Company LLC – CBM in P-3 Seam
White Wolf Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
Bobby Wayne Hale, Sr. – Surface, Oil and Gas
CNX Gas Company LLC – Oil, Gas and CBM Leased
Tax Map 87A Parcel 6
0.03 Acres 0.0511%

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

CNX Gas Company LLC

UNIT AW147

Tract Identifications

- 7C. Southern Region Industrial Realty Corp., Tr. 12 (153.17 Acre Tract) - All Coal Except P-3 Seam
Buchanan Mining Company LLC – Coal in P-3 Seam
CNX Gas Company LLC – CBM in P-3 Seam
White Wolf Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam
CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)
Bobby Wayne Hale, Sr. – Surface, Oil and Gas
CNX Gas Company LLC – Oil, Gas and CBM Leased
Tax Map 87A Parcel 7
0.01 Acres 0.0170%
8. Norfolk Southern Railway Company (1.26 Acre Tract) – Fee
CNX Gas Company LLC – CBM Leased
Tax Map 087 Parcel 0000
1.99 Acres 3.3878%

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

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
i. COAL OWNERSHIP		
<u>Tract #1A- 0.39 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 260 (84.35 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	0.39 acres	0.6639%
<u>Tract #1B- 10.41 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 260 (84.35 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	10.41 acres	17.7222%
<u>Tract #1C- 0.12 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 260 (84.35 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	0.12 acres	0.2043%
<u>Tract #2A- 16.45 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 154 (21.85 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	16.45 acres	28.0048%
<u>Tract #2B- 0.08 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 154 (21.85 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	0.08 acres	0.1362%
<u>Tract #2C- 0.05 acres</u>		
(1) Coronado IV LLC <i>Faraday Tract 154 (21.85 acres)</i> Attn: Jason Bragg 100 Bill Baker Way Beckley, WV 25801	0.05 acres	0.0851%
<u>Tract #3 - 17.68 acres</u>		
(1) Sydney L. Asbury, et al. <i>(21.57 acre tract)</i>	17.68 acres	30.0987%
(a) Sydney L. Asbury 4561 Scenic View Drive Pegram, TN 37143	7.86 acres 4/9 of 17.68 acres	13.3772%
(b) Rose A. Matthews Heirs, Devisees, Successors or Assigns		
(b.1) Rosalind M. Black 1268 Springdale Rd. Gainesville, GA 30501	9.82 acres 5/9 of 17.68 acres	16.7215%
<u>Tract #4 - 8.57 acres</u>		
(1) Andy Lee & Charlene Brown, et ux <i>(21.57 acre tract)</i> PO Box 26 Richlands, VA 24841	8.57 acres	14.5897%
<u>Tract #5 - 2.10 acres</u>		
(1) Estate of Mary Spratt, et al <i>(39.00 acre tract)</i> <i>(aka A.S. Richardson Heirs, et al)</i>	2.10 acres	3.5751%
(a) Dr. A. S (Alexander Stuart) Richardson Heirs, Devisees, Successors or Assigns		
(a.1) Dr. James Stuart Richardson Heirs, Devisees, Successors or Assigns		

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
(a.1.1) Nancy Elizabeth Richardson Raybold 10206 Carol St. Great Falls, VA 22066	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.2) James Stuart (aka Jimmy) Richardson, Jr. 9128 Huron Ave Henrico, VA 23294	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.3) Thomas Moore Richardson 201 Wharton St SE Blacksburg, VA 24060	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.2) W. Miller Richardson Heirs, Devisees,		
(a.2.1) W. Miller Richardson Trust c/o Wayne T. Horne, Trustee PO Box 935 Grundy, VA 24614	0.53 acres 1/4 of 2.10 acres	0.8938%
(b) Estate of Mary E. Spratt c/o Mary Spratt Graybeal, Trustee 5813 Willow Oaks Dr, Apt D Richmond, VA 23225	1.05 acres 1/2 of 2.10 acres	1.7875%

Tract #6 - 0.80 acres

- (1) Southern Region Industrial Realty Corp. *(Coal except P*
Tr. 1 (4430 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 *(Coal in P3 Seam only)* 0.80 acres
PO Drawer L
Oakwood, VA 24631

Tract #7A - 0.06 acres

- (1) Southern Region Industrial Realty Corp. *(Coal except P*
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

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
White Wolf Energy, Inc. 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		
(2) Buchanan Mining Company <i>(Coal in P3 Seam only)</i> PO Drawer L Oakwood, VA 24631	0.06 acres	
<u>Tract #7B - 0.03 acres</u>		
(1) Southern Region Industrial Realty Corp. <i>(Coal except P Tr. 12 (153.17 acre tract)</i> Pocahontas Land Corporation, Agent P. O. Box 1517 Bluefield, WV 24701	0.03 acres	0.0511%
<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 <i>(Coal in P3 Seam only)</i> PO Drawer L Oakwood, VA 24631	0.03 acres	
<u>Tract #7C - 0.01 acres</u>		
(1) Southern Region Industrial Realty Corp. <i>(Coal except P Tr. 12 (153.17 acre tract)</i> Pocahontas Land Corporation, Agent P. O. Box 1517 Bluefield, WV 24701	0.01 acres	0.0170%
<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 <i>(Coal in P3 Seam only)</i> PO Drawer L Oakwood, VA 24631	0.01 acres	
<u>Tract #8 - 1.99 acres</u>		
(1) Norfolk Southern Railway Company <i>(1.26 Acre Tract)</i> Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	1.99 acres	3.3878%

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
ii. OIL & GAS OWNERSHIP		
<u>Tract #1A, 0.39 acres</u>		
(1) Cabot Oil & Gas Corporation ** 15375 Memorial Drive P.O. Box 4544 Houston, TX 77210-4544	0.39 acres	100.0000%
(2) CNX Gas Company LLC (CBM only) ** 1000 Consol Energy Drive Canonsburg, PA 15317	0.39 acres	0.6639%
** Note: CBM ownership is separate from Oil & Gas Ownership. There is no conflict between the Oil & Gas Owner and the CBM Owner.		
<u>Tract #1B, 10.41 acres</u>		
(1) Cabot Oil & Gas Corporation ** 15375 Memorial Drive P.O. Box 4544 Houston, TX 77210-4544	10.41 acres	
(2) CNX Gas Company LLC (CBM only) ** 1000 Consol Energy Drive Canonsburg, PA 15317	10.41 acres	17.7222%
** Note: CBM ownership is separate from Oil & Gas Ownership. There is no conflict between the Oil & Gas Owner and the CBM Owner.		
<u>Tract #1C - 0.12 acres</u>		
(1) Lawrence Stinson Heirs, et al	0.12 acres	0.2043%
(a) Wiley Blankenship Heirs, Devises, Successors or Assigns		
(b) Marie Blankenship Heirs, Devises, Successors or Assigns		
(b.1) Lawrence Stinson Heirs, Devises, Successors or Assigns (Heirs Unknown)	0.06 acres 1/2 of 0.12 acres	0.1021%
(b.1.1) Lena Stinson PO Box 59 Richlands, VA 24641	0.06 acres 1/2 of 0.12 acres	0.1021%
<u>Tract #2A, 16.45 acres</u>		
(1) Cabot Oil & Gas Corporation ** 15375 Memorial Drive P.O. Box 4544 Houston, TX 77210-4544	16.45 acres	
(2) CNX Gas Company LLC (CBM only) ** 1000 Consol Energy Drive Canonsburg, PA 15317	16.45 acres	28.0048%
** Note: CBM ownership is separate from Oil & Gas Ownership. There is no conflict between the Oil & Gas Owner and the CBM Owner.		
<u>Tract #2B, 0.08 acres</u>		
(1) Wiley & Marie Blankenship Heirs	0.08 acres	0.1362%
(a) Eulis Clifford Blankenship Heirs, Devises, Successors or Assigns		
(a.1) Thelma Short Blankenship Heirs, Devises, Successors or Assigns		
(a.1.1) Thomas Allen Blankenship 144 Lookout Rd. Richlands, VA 24641	0.01 acres 1/8 of 0.08 acres	0.0170%
(a.1.2) Tamie Reedy PO Box 1274 Cedar Bluff, VA 24609	0.01 acres 1/8 of 0.08 acres	0.0170%
(b) Lena Stinson PO Box 59 Richlands, VA 24641	0.02 acres 1/4 of 0.08 acres	0.0340%
(c) Carlis Blankenship Heirs, Devises, Successors or Assigns		

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
(c.1) Janice Barrett 213 Straley St Marion, VA 24354	0.02 acres 1/4 of 0.08 acres	0.0340%
(d) JW Blankenship 1134 Castleberry Rd Brewton, AL 36426	0.02 acres 1/4 of 0.08 acres	0.0340%
<u>Tract #2C, 0.05 acres</u>		
(1) Thomas A. Blankenship, et al		
(a) Wiley & Marie Blankenship Heirs, Devisees, Successors or Assigns		
(a.1) Eulis Clifford Blankenship Heirs, Devisees, Successors or Assigns		
(a.1.1) Thelma Short Blankenship Heirs, Devisees, Successors or Assigns		
(a.1.1.1) Thomas Allen Blankenship 144 Lookout Rd. Richlands, VA 24641	<i>Life Estate</i>	
(a.1.2) Tamie Reedy PO Box 1274 Cedar Bluff, VA 24609	0.05 acres	0.0851%
<u>Tract #3 - 17.68 acres</u>		
(1) Sydney L. Asbury, et al. <i>(21.57 acre tract)</i>	17.68 acres	30.0987%
(a) Sydney L. Asbury 4561 Scenic View Drive Pegram, TN 37143	7.86 acres 4/9 of 17.68 acres	13.3772%
(b) Rose A. Matthews Heirs, Devisees, Successors or Assigns		
(b.1) Rosalind M. Black 1268 Springdale Rd. Gainesville, GA 30501	9.82 acres 5/9 of 17.68 acres	16.7215%
<u>Tract #4 - 8.57 acres</u>		
(1) Andy Lee & Charlene Brown, et ux <i>(21.57 acre tract)</i> PO Box 26 Richlands, VA 24641	8.57 acres	14.5897%
<u>Tract #5 - 2.10 acres</u>		
(1) Estate of Mary Spratt, et al <i>(39.00 acre tract)</i> <i>(aka A.S. Richardson Heirs, et al)</i>	2.10 acres	3.5751%
(a) Dr. A. S (Alexander Stuart) Richardson Heirs, Devisees, Successors or Assigns		
(a.1) Dr. James Stuart Richardson Heirs, Devisees, Successors or Assigns		
(a.1.1) Nancy Elizabeth Richardson Raybold 10206 Carol St. Great Falls, VA 22066	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.2) James Stuart (aka Jimmy) Richardson, Jr. 9128 Huron Ave Henrico, VA 23294	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.3) Thomas Moore Richardson 201 Wharton St SE Blacksburg, VA 24060	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.2) W. Miller Richardson Heirs, Devisees,		
(a.2.1) W. Miller Richardson Trust c/o Wayne T. Horne, Trustee PO Box 935 Grundy, VA 24614	0.53 acres 1/4 of 2.10 acres	0.8938%

Exhibit B
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of all Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
(b) Estate of Mary E. Spratt c/o Mary Spratt Graybeal, Trustee 5813 Willow Oaks Dr, Apt D Richmond, VA 23225	1.05 acres 1/2 of 2.10 acres	1.7875%
<u>Tract #6 - 0.80 acres</u>		
(1) Pardee Royalty LLC and Pardee Minerals LLC	0.80 acres	1.3619%
(a) Pardee Royalty LLC * P. O. Box 102904 Atlanta, GA 30368-2904	0.40 acres 1/2 of 0.80 acres	0.6810%
(b) Pardee Minerals LLC * P. O. Box 102904 Atlanta, GA 30368-2904	0.40 acres 1/2 of 0.80 acres	0.6810%
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.		
<u>Tract #7A - 0.06 acres</u>		
(1) James Russell Estep Heirs, Devisees, Successors or Assigns <i>(documentation requested from Bertha Allen 7/27/16)</i>	0.06 acres	0.1021%
(a) Bertha Allen 17458 Hurley Rd Hurley, VA 24620		
(b) Edna Justice 43998 State Hwy 194E Freeburn, KY 41528		
(c) JoAnn Lester 7749 Woodman Creek Rd Freeburn, KY 41528		
(d) Orville Estep 4515 Paw Paw Creek Phelps, KY 41553		
(e) Dallas Estep PO Box 503 Hurley, VA 24620		
<u>Tract #7B- 0.03 acres</u>		
(1) Bobby W. Hale, Sr. PO Box 969 Raven, VA 24639	0.03 acres	0.0511%
<u>Tract #7C- 0.01 acres</u>		
(1) Bobby W. Hale, Sr. PO Box 969 Raven, VA 24639	0.01 acres	0.0170%
<u>Tract #8 - 1.99 acres</u>		
(1) Norfolk Southern Railway Company Pocahontas Land Corporation P. O. Box 1517 Bluefield, WV 24701	1.99 acres	3.3878%

Exhibit B-3
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of Unleased Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
II. OIL & GAS OWNERSHIP		
<u>Tract #1C - 0.12 acres</u>		
(1) Lawrence Stinson Heirs, et al	0.12 acres	0.2043%
(a) Wiley Blankenship Heirs, Devisees, Successors or Assigns		
(b) Marie Blankenship Heirs, Devisees, Successors or Assigns		
(b.1) Lawrence Stinson Heirs, Devisees, Successors or Assigns <i>(Documentation Pending on Heirs)</i>	0.06 acres 1/2 of 0.12 acres	0.1021%
(b.1.1) Lena Stinson PO Box 59 Richlands, VA 24641	0.06 acres 1/2 of 0.12 acres	0.1021%
<u>Tract #2B, 0.08 acres</u>		
(1) Wiley & Marie Blankenship Heirs	0.08 acres	0.1362%
(a) Eulis Clifford Blankenship Heirs, Devisees, Successors or Assigns		
(a.1) Thelma Short Blankenship Heirs, Devisees, Successors or Assigns		
(a.1.1) Thomas Allen Blankenship 144 Lookout Rd. Richlands, VA 24641	0.01 acres 1/8 of 0.08 acres	0.0170%
(a.1.2) Tamie Reedy PO Box 1274 Cedar Bluff, VA 24609	0.01 acres 1/8 of 0.08 acres	0.0170%
(b) Lena Stinson PO Box 59 Richlands, VA 24641	0.02 acres 1/4 of 0.08 acres	0.0340%
(c) Carlis Blankenship Heirs, Devisees, Successors or Assigns		
(c.1) Janice Barrett 213 Straley St Marion, VA 24354	0.02 acres 1/4 of 0.08 acres	0.0340%
(d) JW Blankenship 1134 Castleberry Rd Brewton, AL 36426	0.02 acres 1/4 of 0.08 acres	0.0340%
<u>Tract #2C, 0.05 acres</u>		
(1) Thomas A. Blankenship, et al		
(a) Wiley & Marie Blankenship Heirs, Devisees, Successors or Assigns		

Exhibit B-3
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of Unleased Owners/Claimants
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
(a.1) Eulis Clifford Blankenship Heirs, Devisees, Successors or Assigns		
(a.1.1) Thelma Short Blankenship Heirs, Devisees, Successors or Assigns		
(a.1.1.1) Thomas Allen Blankenship 144 Lookout Rd. Richlands, VA 24641	<i>Life Estate</i>	
(a.1.2) Tamie Reedy PO Box 1274 Cedar Bluff, VA 24609	0.05 acres	0.0851%
<u>Tract #5 - 2.10 acres</u>		
(1) Estate of Mary Spratt, et al (39.00 acre tract) <i>(aka A.S. Richardson Heirs, et al)</i>	2.10 acres	3.5751%
(a) Dr. A. S (Alexander Stuart) Richardson Heirs, Devisees, Successors or Assigns		
(a.1) Dr. James Stuart Richardson Heirs, Devisees, Successors or Assigns		
(a.1.1) Nancy Elizabeth Richardson Raybold 10206 Carol St. Great Falls, VA 22066	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.2) James Stuart (aka Jimmy) Richardson, Jr. 9128 Huron Ave Henrico, VA 23294	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.1.3) Thomas Moore Richardson 201 Wharton St SE Blacksburg, VA 24060	0.18 acres 1/12 of 2.10 acres	0.2979%
(a.2) W. Miller Richardson Heirs, Devisees,		
(a.2.1) W. Miller Richardson Trust c/o Wayne T. Horne, Trustee PO Box 935 Grundy, VA 24614	0.53 acres 1/4 of 2.10 acres	0.8938%
(b) Estate of Mary E. Spratt c/o Mary Spratt Graybeal, Trustee 5813 Willow Oaks Dr, Apt D Richmond, VA 23225	1.05 acres 1/2 of 2.10 acres	1.7875%
<u>Tract #7A - 0.06 acres</u>		
(1) James Russell Estep Heirs, Devisees, Successors or Assigns <i>(documentation requested from Bertha Allen 7/27/16)</i>	0.06 acres	0.1021%
(a) Bertha Allen 17458 Hurley Rd Hurley, VA 24620		
(b) Edna Justice 43998 State Hwy 194E Freeburn, KY 41528		
(c) JoAnn Lester 7749 Woodman Creek Rd Freeburn, KY 41528		

Exhibit B-3
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of Unleased Owners/Claimants
(58.74 Acre Unit)

Net Acres
in Unit

Interest in
Unit

-
- (d) Orville Estep
4515 Paw Paw Creek
Phelps, KY 41553

 - (e) Dallas Estep
PO Box 503
Hurley, VA 24620

UNLEASED OIL & GAS OWNERS

Acres	2.41
Percent	4.1028%

Company: CNX Gas Company LLC

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

AFE #	N/A	Property #	N/A	Version #	
Well Name:	AW147	Field:	Middle Ridge	Completed By:	R.E. Staton
Location:	Tazewell County	Operator:	CNX Gas Company LLC	Date:	10/05/2016
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	2,200 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.I.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$50,000	\$0	\$50,000
		Roads / Stone / Culverts	\$24,000	\$0	\$24,000
		Surface Damages	\$5,000	\$0	\$5,000
		Drilling - Footage	\$50,000	\$0	\$50,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$2,000	\$0	\$2,000
N		Cement Intermediate casing	\$6,000	\$0	\$6,000
T		Open Hole Logging & Testing	\$3,900	\$0	\$3,900
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$82,000	\$82,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$146,200	\$88,800	\$235,000

Code	Code	Description	Casing Point	Completion	Total Cost
T		13 3/8" Conductor	75 Ft	\$7,500	\$7,500
A		9 5/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0
N		7" 19 lb/ft LS Intermediate Csg	600 Ft	\$7,098	\$7,098
G		4 1/2" 9.5 lb/ft M-65 Production Csg	2,100 Ft	\$15,750	\$15,750
I		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$1,200
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,100 Ft	\$0	\$15,267
L		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200
E		Tank Battery	\$0	\$0	\$0
S		Separator / Heater / Treater	\$0	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000
		Sales line labor/mat/row	\$0	\$5,000	\$5,000
		TOTAL TANGIBLES	\$31,548	\$70,467	\$102,015

GRAND TOTAL WELL COST			\$177,748	\$159,267	\$337,015
153	115	Plugging & Abandonment	\$25,000		
			Production Costs :	\$337,015	Dry Hole Costs :
					\$202,748

Prepared by: Bob Staton Title Permit Agent Date 10-4-16

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

Company: CNX Gas Company LLC

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

AFE #	N/A	Property #	N/A	Version #	
Well Name:	AW147A	Field:	Middle Ridge	Completed By:	R.E. Stator
Location:	Tazewell County	Operator:	CNX Gas Company LLC	Date:	10/05/2016
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	2,200 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.J.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$50,000	\$0	\$50,000
		Roads / Stone / Culverts	\$24,000	\$0	\$24,000
		Surface Damages	\$5,000	\$0	\$5,000
		Drilling - Footage	\$50,000	\$0	\$50,000
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$2,000	\$0	\$2,000
N		Cement Intermediate casing	\$6,000	\$0	\$6,000
T		Open Hole Logging & Testing	\$3,900	\$0	\$3,900
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$82,000	\$82,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$146,200	\$88,800	\$235,000

Code	Code	Description	Casing Point	Completion	Total Cost	
		13 3/8" Conductor	75 Ft	\$7,500	\$0	\$7,500
		9 5/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	800 Ft	\$7,098	\$0	\$7,098
		4 1/2" 9.5 lb/ft M-65 Production Csg	2,100 Ft	\$15,750	\$0	\$15,750
		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,100 Ft	\$0	\$15,267	\$15,267
		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200	\$6,200
		Tank Battery	\$0	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$15,000	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000	\$5,000
		Sales line labor/mat/row	\$0	\$5,000	\$5,000	\$5,000
		TOTAL TANGIBLES	\$31,548	\$70,467	\$102,015	

GRAND TOTAL WELL COST			\$177,748	\$159,267	\$337,015
153	115	Plugging & Abandonment	\$25,000		
			Production Costs :	\$337,015	Dry Hole Costs :
				\$202,748	

Prepared by: Bob Stator Title Permit Agent Date 10-4-16

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

Exhibit E
Unit AW-147
Docket #VGOB 16-1115-4101-01
List of Respondents to be Escrowed
(58.74 Acre Unit)

	Net Acres in Unit	Interest in Unit
<u>Tract #1C- 0.12 acres</u>		
<i>Escrow due to Unknown / Unlocatable</i>		
<u>OIL & GAS OWNERSHIP</u>		
(1) Lawrence Stinson Heirs, et al	0.12 acres	0.2043%
(a) Wiley Blankenship Heirs, Devisees, Successors or Assigns		
(b) Marie Blankenship Heirs, Devisees, Successors or Assigns		
(b.1) Lawrence Stinson Heirs, Devisees, Successors or Assigns <i>(Heirs Unknown)</i>	0.06 acres 1/2 of 0.12 acres	0.1021%
	<u>Total</u>	
	Acres in Unit	0.06
	Percentage of Unit	0.1021%

N/A

September 16, 2016

Department of Mines, Minerals and Energy
Division of Gas and Oil
135 Highlands Drive
Lebanon, VA 24266

Re: CBM AW147

Dear Mr. Cooper;

CNX Gas Company LLC is requesting a location exception for the above referenced proposed well. The proposed well cannot be located within the drilling window due to excessively steep topography. There would be a risk of impacting the railroad and residential housing at the base of the steep mountain side, if the well was located within the window. In addition, these conditions would not be safe for construction personnel and equipment. The proposed well is approximately 350 feet outside of the drilling window.

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

Sincerely,

Bob Staton

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

Cc: Anita Duty, file AW147

September 16, 2016

Department of Mines, Minerals and Energy
Division of Gas and Oil
135 Highlands Drive
Lebanon, VA 24266

Re: CBM AW147A

Dear Mr. Cooper;

CNX Gas Company LLC is requesting a location exception for the above referenced proposed well. The proposed well cannot be located within the drilling window due to excessively steep topography. There would be a risk of impacting the railroad and residential housing at the base of the steep mountain side, if the well was located within the window. In addition, these conditions would not be safe for construction personnel and equipment. The proposed well is approximately 240 feet outside of the drilling window.

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

Sincerely,

Bob Staton

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

Cc: Anita Duty, file AW147A