

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL  
DOCKET NO.: VGOB 13-0917-4023

RELIEF SOUGHT: POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: September 17, 2013

UNIT NUMBER: BI-115

IN THE MIDDLE RIDGE I COALBED METHANE GAS FIELD

RUSSELL COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is **CNX Gas Company LLC**, 2481 John Nash Blvd., Bluefield, West Virginia 24701, 304/323-6500. Applicant's counsel is Mark A. Swartz, Esquire, of the firm Swartz Law Offices, PLLC, 601 Sixth Avenue, Suite 201, P.O. Box 1808, St. Albans, WV 25177-1808.

2. **Relief sought:** Pooling under Middle Ridge I Coalbed Methane Gas Field.

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 VGOB 00-10/17-0835.

4. **Type of well(s):** Coalbed methane, including increased density wells as required by mining plans.

5. **Permit numbers, if any:** CBM-BI115 Permit #6100

6. **Plat:** Annexed hereto are Exhibit A and the Tract Identifications Schedule to 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 and Applicant's standing:** The respondents whose interests are sought to be pooled by the Applicant are:

*Elizabeth Bausell Ryan, Jill Bausell Norris, Tommy Worley, Patricia Ann Thomas, Connie Thomas*

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

8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Jawbone 1 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:** \$631,049.00 See Exhibit C which estimates/reports the costs associated for frac production. However, in the event of gob production, the costs of any such additional wells, subject to Board approval, may be allocated 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**

Applicant

By: 

**Anita D. Duty**

**Pooling Supervisor**

CNX Land Resources Inc.

2481 John Nash Blvd.

Bluefield, WV 24701

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL  
DOCKET NO. VGOB 13-0917-4023

RELIEF SOUGHT: POOLING

UNIT NUMBER: BI-115

NOTICE OF HEARING

HEARING DATE: September 17, 2013  
PLACE: Russell County Conference Center  
135 Highlands Drive  
Lebanon, Virginia 24266  
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Elizabeth Bausell Ryan, Jill Bausell Norris, Tommy Worley, Patricia Ann Thomas, Connie Thomas*

1. **Applicant and its counsel:** Applicant is **CNX Gas Company LLC**, 2481 John Nash Blvd., Bluefield, West Virginia 24701, 304/323-6500. Applicant's counsel is Mark A. Swartz, Esquire, of the firm Swartz Law Offices, PLLC, 601 Sixth Avenue, Suite 201, P.O. Box 1808, St. Albans, WV 25177-1808.
2. **Relief sought:** Pooling
3. **Proposed provisions of order:** (a) Pooling all the interests and estates of the persons named above in coalbed methane in the unit in question; (b) Establishing a procedure whereby each respondent shall have the right to make elections; (c) Providing that any respondent who does not make a timely election shall be deemed to have leased or assigned his coalbed methane gas interests to the applicant at a rate to be established by the Board; (d) Designating CNX Gas Company LLC as Unit Operator; (e) Making any necessary provisions for the escrow of funds; (f) Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.
4. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq., 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including VGOB 00-10/17-0835.
5. **Type of well(s):** Coalbed methane.
6. **Plat:** Annexed hereto are Exhibit A, Exhibit A1 and the Tract Identifications Schedule to Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The Tract Identification Schedule to Exhibit A 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 Jawbone 1 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: \$631,049.00

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

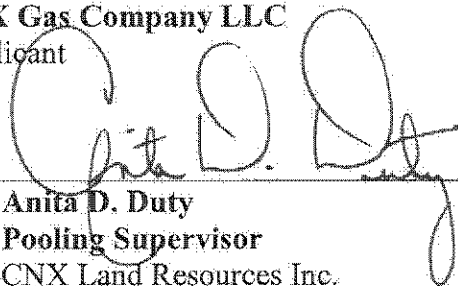
**NOTICE IS FURTHER GIVEN** that this cause has been set for hearing and the taking of evidence before the Board at 9:00 AM, on **September 17, 2013**, at the Russell County Conference Center, Lebanon, Virginia 24266, and that notice will be published as required by law and the rules of the Board.

**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, Division of Gas and Oil, P. O. Box 159, Lebanon, Virginia 24266, 276/415-9650 or the Applicant at the address shown below.

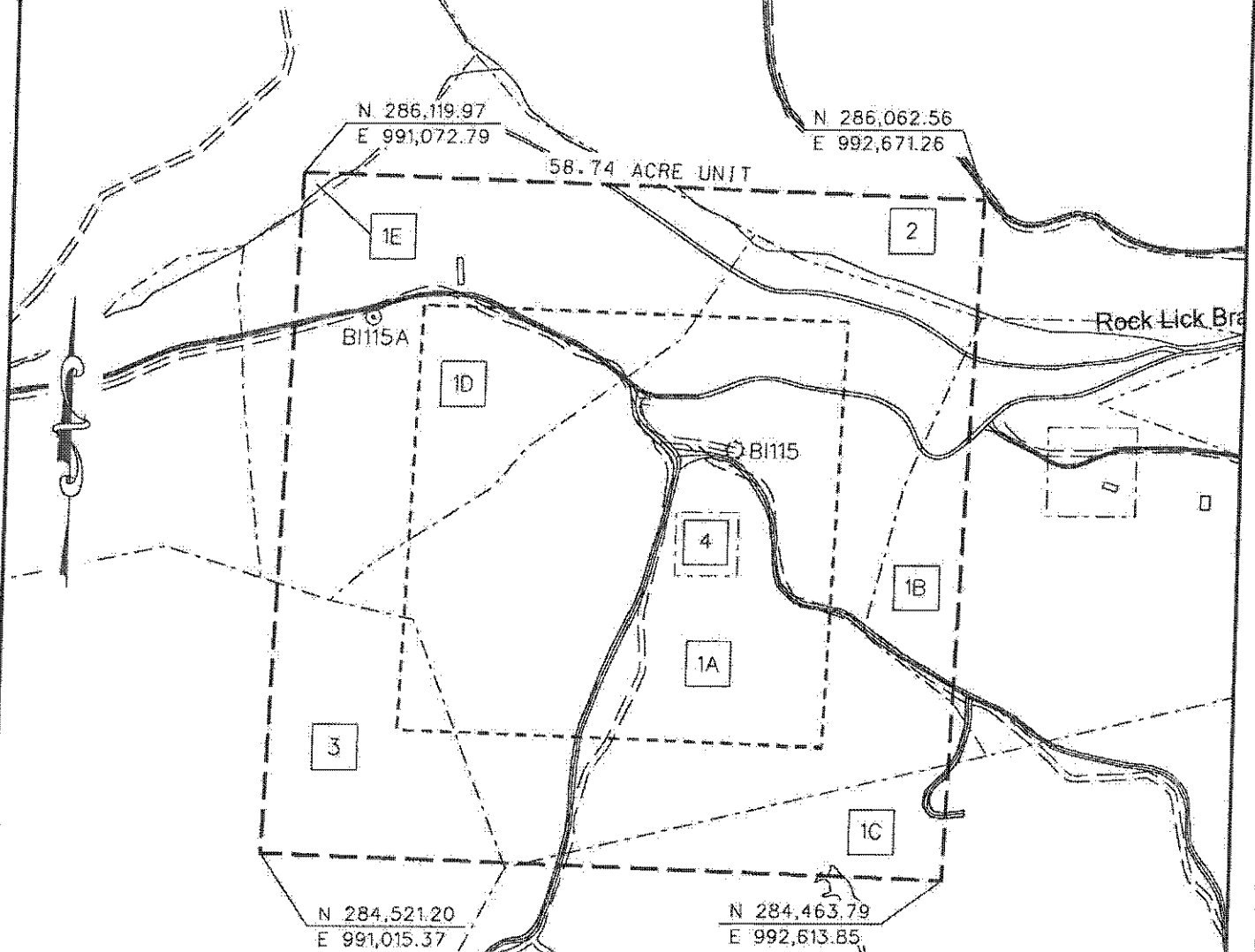
DATED: 8-16-13

CNX Gas Company LLC  
Applicant

By:

  
Anita D. Duty  
Pooling Supervisor  
CNX Land Resources Inc.  
2481 John Nash Blvd.  
Bluefield, WV 24701

Property lines shown on this plat were provided by CNX Gas Company LLC and were taken from deed descriptions and chains of title of record. This does not represent a current boundary survey. This certification is as to the size, shape and location of the proposed unit.



BEARINGS AND DISTANCES TO OTHER WELLS WITHIN 2,500' RADIUS OF CBM-BH115

- CBM-BH115 N 14° 26' 40" W 1827.09'
- CBM-BH115A N 11° 2' 6" E 1437.93'
- CBM-BH116 N 46° 40' 33" E 2427.32'
- CBM-BH117 N 85° 43' 52" E 2471.72'
- CBM-BH116 S 82° 2' 43" E 1447.34'
- CBM-BJ116 S 38° 42' 28" E 1721.45'
- CBM-BJ115 S 17° 45' 41" W 1980.39'
- CBM-BJ114 S 52° 25' 54" W 2480.84'
- CBM-BH114 N 86° 6' 30" W 1775.8'
- CBM-BH114A N 46° 45' 33" W 1498.68'
- CBM-BH115A N 70° 14' 10" W 910.45'

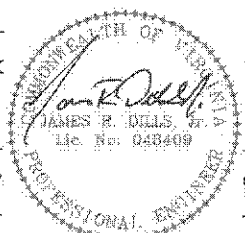
○ CBM WELL  
⊙ PROPOSED CBM WELL

EXHIBIT A  
MIDDLE RIDGE FIELD  
UNIT BH115  
FORCE POOLING  
VGOB-13-0917-4023

Company CNX Gas Company LLC Well Name and Number UNIT BH115  
 Tract No. \_\_\_\_\_ Elevation \_\_\_\_\_ Quadrangle HONAKER  
 County RUSSELL District NEW GARDEN

This plat is a new plot X ; an updated plot \_\_\_\_\_

Form DGO-CO-7  
Rev. 9/91  
Licensed Professional Engineer \_\_\_\_\_



1" Digital signed by James R Dills Jr.  
 or \_\_\_\_\_  
 D.N. ch=James R Dills Jr., c=US,  
 o=IdentTrust ACES Business  
 Representative of D. S. PRICE  
 ENGINEERING AND LAND  
 SURVEYING INC PC  
 Date: 2013.08.02 10:21:25 -04'00'

**CNX Gas Company LLC**  
**UNIT BI115**  
**Tract Identifications**  
**(58.74 Acre Unit)**

1. Letha F. Vandyke, et al (199.00 Acre Tract) – All Minerals  
Harold Keen Coal Company – All Coal Leased  
CNX Gas Company LLC – Oil, Gas and CBM Leased (97.5694%)  
49.63 acres                      84.4910%
  
- 1A. Harold Keene, et ux - Surface  
1B. Unknown Surface Owner  
1C. Unknown Surface Owner  
1D. Unknown Surface Owner  
1E. Claude Hart - Surface
  
2. Buckhorn Coal Company Tr. 18 (250 Acre Warder #13 Tract) – Fee  
Knox Creek Coal Company – Above Drainage Coal Leased  
Reserve Coal Properties Company – Below Drainage Coal Leased  
CNX Gas Company LLC – Oil, Gas and CBM Leased  
2.66 acres                      4.5284%
  
3. Reserve Coal Properties Company – Coal  
CNX Gas Company LLC – Oil and Gas  
Reserve Coal Properties Company - Surface  
5.95 acres                      10.1294%
  
4. Harold Keene, et ux (0.50 Acre Tract) – Fee  
CNX Gas Company LLC – Oil, Gas and CBM Leased  
0.50 acres                      0.8512%

"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 BI-115  
VGOB# 13-0917-4023  
List of all Owners/Claimants  
(58.74-Acre Unit)

	Acres in Unit	Interest in Unit
<b>I. COAL OWNERSHIP</b>		
<u>Tract #1, 49.63 acres</u>		100.0000%
(1) Letha F. Vandyke, et al. (199.00 Acre Tract)	49.63 acres	84.4910%
(a) Robert Vandyke Heirs, Devisees, Successors or Assigns		
(a.1) Letha F. Vandyke Box 864 Lebanon, VA 24266	7.81 acres 17/108 of 49.63 acres	13.2995%
(a.2) Geneva Crabtree 15500 Chantilly Way Abingdon, VA 24210	7.81 acres 17/108 of 49.63 acres	13.2995%
(a.3) Mildred Jones 2203 Hays Street Fredericksburg, VA 22401	7.81 acres 17/108 of 49.63 acres	13.2995%
(a.4) Bobbie Quinn 5940 East River Road Tuscon, AZ 85715	7.81 acres 17/108 of 49.63 acres	13.2995%
(a.5) W.R. Vandyke 15500 Chantilly Way Abingdon, VA 24210	7.81 acres 17/108 of 49.63 acres	13.2995%
(a.6) Mary Tharp 56 Wellington Colony Dr. Little Rock, AR 72211	7.81 acres 17/108 of 49.63 acres	13.2995%
(b) C.W. Worley Heirs, Devisees, Successors or Assigns		
(b.1) Elizabeth Worley - Life Estate extinguished at death		
(b.2) W.B. Worley	<i>Conveyed interest to Charles T. &amp; Ann Worley (DB116/383)</i>	
(b.3) Ella Green	<i>Conveyed interest to Charles T. &amp; Ann Worley (DB116/383)</i>	
(b.4) Buell T. Worley	<i>Conveyed interest to Charles T. &amp; Ann Worley (DB116/384)</i>	
(b.5) Arch B. Worley	<i>Conveyed interest to Charles T. &amp; Ann Worley (DB116/386)</i>	
(b.6) Clyde H. Worley	<i>Conveyed interest to Charles T. &amp; Ann Worley (DB116/386)</i>	
Charles T. Worley & Ann Worley	<i>Conveyed 1/2 of their 1/36 interest to Elizabeth Worley</i>	
(c) K.R. Thomas Heirs, Devisees, Successors or Assigns		
(c.1) Nancy Smith Thomas - Life Estate extinguished at death		
(c.2) Peggy Bausell Heirs, Devisees, Successors or Assigns		
(c.2.1) Kemper Bausell PO Box 169 Grundy, VA 24614	0.46 acres 1/108 of 49.63 acres	0.7823%
(c.2.2) Elizabeth Bausell Ryan 402 Blue Heron Point Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%
(c.2.3) Jill Bausell Norris 4245 Dayle Acres Rd. Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%

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Unit BI-115  
VGOB# 13-0917-4023  
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(58.74 Acre Unit)

	Acres in Unit	Interest in Unit
(d) Charles T. Worley & Ann Worley	<i>Conveyed 1/2 of 1/36th interest to Elizabeth Worley</i>	
(d.1) Charles T. Worley Heirs, Devisees, Successors or Assigns		
(d.1.1) Ann Worley Heirs, Devisees, Successors or Assigns		
(d.1.1.1) Timmy Worley 1030 Street Road Kingston Springs, TN 37082	0.23 acres 1/216 of 49.63 acres	0.3912%
(d.1.1.2) Margaret Ann Worley Burns 108 Bexley Road Mooresville, NC 28117	0.23 acres 1/216 of 49.63 acres	0.3912%
(d.1.1.3) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.23 acres 1/216 of 49.63 acres	0.3912%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
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(e.7) Timmy Worley 1030 Street Road Kingston Springs, TN 37082	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.8) Margaret Ann Worley Burns 108 Bexley Road Mooresville, NC 28117	0.09 acres 1/576 of 49.63 acres	0.1467%
<b><u>Tract #2, 2.66 acres</u></b>		
(1) Buckhorn Coal Company, Tr.18 <i>(250 Acre Warter #13 Tract)</i> P. O. Box 187 Tazewell, VA 24651	2.66 acres	4.5284%
<b><u>Tract #3, 5.95 acres</u></b>		
(1) CNX Gas Company LLC 2481 John Nash Blvd Bluefield, WV 24701	5.95 acres	10.1294%
<b><u>Tract #4, 0.50 acres</u></b>		
(1) Harold Keene, et ux. <i>(50 Acre Tract)</i> P.O. Box 929 Honaker, VA 24260	0.50 acres	0.8512%

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Unit BI-115  
VGOB# 13-0917-4023  
List of all Owners/Claimants  
(58.74 Acre Unit)

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(d) Charles T. Worley & Ann Worley	<i>Conveyed 1/2 of 1/36th interest to Elizabeth Worley</i>	

Exhibit B  
Unit BI-115  
VGOB# 13-0917-4023  
List of all Owners/Claimants  
(58.74 Acre Unit)

	Acres in Unit	Interest in Unit
(d.1) Charles T. Worley Heirs, Devisees, Successors or Assigns		
(d.1.1) Ann Worley Heirs, Devisees, Successors or Assigns		
(d.1.1.1) Jimmy Worley 1030 Street Road Kingston Springs, TN 37082	0.23 acres 1/216 of 49.63 acres	0.3912%
(d.1.1.2) Margaret Ann Worley Burns 108 Bexley Road Mooresville, NC 28117	0.23 acres 1/216 of 49.63 acres	0.3912%
(d.1.1.3) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.23 acres 1/216 of 49.63 acres	0.3912%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
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<b><u>Tract #2, 2.66 acres</u></b>		
(1) Buckhorn Coal Company, Tr. 18: (250 Acre Warder #13 Tract) P. O. Box 187 Tazewell, VA 24651	2.66 acres	4.5284%
<b><u>Tract #3, 5.95 acres</u></b>		
(1) CNX Gas Company LLC 2481 John Nash Blvd Bluefield, WV 24701	5.95 acres	10.1294%
<b><u>Tract #4, 0.50 acres</u></b>		
(1) Harold Keene, et ux. (50 Acre Tract) P.O. Box 929 Honaker, VA 24260	0.50 acres	0.8512%

Exhibit B-3  
 Unit BI-115  
 VGOB# 13-0917-4023  
 List of all Unleased Owners/Claimants  
 (58.74 Acre Unit)

	Acres in Unit	Interest in Unit
<b>I. COAL OWNERSHIP</b>		
<b><u>Tract #1, 49.63 acres</u></b>		
(1) Leitha F. Vandyke, et al. (199.00 Acre Tract)	49.63 acres	84.4910%
(c) K.R. Thomas Heirs, Devisees, Successors or Assigns		
(c.1) Nancy Smith Thomas - Life Estate extinguished at death		
(c.2) Peggy Bausell Heirs, Devisees, Successors or Assigns		
(c.2.2) Elizabeth Bausell Ryan 402 Blue Heron Point Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%
(c.2.3) Jill Bausell Norris 4245 Dayle Acres Rd. Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%
(d) Charles T. Worley & Ann Worley <i>Conveyed 1/2 of 1/36th interest to Elizabeth Worley</i>		
(d.1) Charles T. Worley Heirs, Devisees, Successors or Assigns		
(d.1.1) Ann Worley Heirs, Devisees, Successors or Assigns		
(d.1.1.3) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.23 acres 1/216 of 49.63 acres	0.3912%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.4) Elizabeth Bausell Ryan 402 Blue Heron Point Suffolk, VA 23435	0.09 acres 1/576 of 49.63 acres	0.1467%
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(e.6) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.09 acres 1/576 of 49.63 acres	0.1467%
<b><u>TOTAL UNLEASED:</u></b>		
	Acreage in Unit	1.58
	Percentage of Unit	2.6892%

Exhibit B-3  
Unit BI-115  
VGOB# 13-0917-4023  
List of all Unleased Owners/Claimants  
(58.74 Acre Unit)

	Acres in Unit	Interest in Unit
<b>II. OIL &amp; GAS OWNERSHIP</b>		
<u>Tract #1, 49.63 acres</u>		
(1) Letha F. Vandyke, et al. (199.00 Acre Tract)	49.63 acres	84.4910%
(c) K.R. Thomas Heirs, Devisees, Successors or Assigns		
(c.1) Nancy Smith Thomas - Life Estate extinguished at death		
(c.2) Peggy Bausell Heirs, Devisees, Successors or Assigns		
(c.2.2) Elizabeth Bausell Ryan 402 Blue Heron Point Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%
(c.2.3) Jill Bausell Norris 4245 Dayle Acres Rd. Suffolk, VA 23435	0.46 acres 1/108 of 49.63 acres	0.7823%
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(d.1.1) Ann Worley Heirs, Devisees, Successors or Assigns		
(d.1.1.3) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.23 acres 1/216 of 49.63 acres	0.3912%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas <i>Address Unknown</i>	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.4) Elizabeth Bausell Ryan 402 Blue Heron Point Suffolk, VA 23435	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.5) Jill Bausell Norris 4245 Dayle Acres Rd. Suffolk, VA 23435	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.6) Tommy Worley 1161/335 Spot Lane Holly Ridge, NC 28445	0.09 acres 1/576 of 49.63 acres	0.1467%
<u>TOTAL UNLEASED:</u>		
	Acreege in Unit Percentage of Unit	1.58 2.6892%

Company: CNX Gas Company LLC

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

AFE #	N/A	Property #	N/A	Version #	
Well Name:	BI-115	Field:	Oakwood	Completed By:	B.T. Fulmer
Location:	Russell County	Operator:	CNX Gas C	Date:	August 6, 2013
Expected Pay Zones:	P-3 Seam and coal seams below Tiller	Estimated Total Depth:	2575' DTD ft	AAPG Class:	
Proposed Work:	To drill, complete and produce	Participant(s):	N/A	W.I.	Amount
					\$0

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$0	\$0	\$28,463
		Building Location	\$0	\$0	\$74,308
		Roads / Stone / Culverts	\$0	\$0	\$0
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$0	\$0	\$46,145
		Drilling - Mobilization	\$0	\$0	\$1,560
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$0	\$0	\$3,040
		Cement Intermediate casing	\$0	\$0	\$5,776
		Open Hole Logging & Testing	\$0	\$0	\$1,900
		Trucking / Dozer (Drilling)	\$0	\$0	\$0
		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
		Drilling - Bits	\$0	\$0	\$0
		Technical Supervision (Drilling)	\$0	\$0	\$0
		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
		Overhead Rate	\$0	\$0	\$0
		Misc. & Contingencies	\$0	\$0	\$0
		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	\$2,052
		Stimulation / Fracturing	\$0	\$0	\$51,660
		Completion Rig	\$0	\$0	\$9,880
		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	\$0	\$275
		<b>TOTAL INTANGIBLES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,079</b>

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8 " Conductor #REF! Ft 20	\$0	\$0	\$650
		9 5/8 " 26 lb/ft LS Surface Csg #REF! Ft 265	\$0	\$0	\$3,562
		" 19 lb/ft LS Intermediate Csg #REF! Ft	\$0	\$0	\$2,882
		4 1/2" 9.5 lb/ft M-65 Production Csg #REF! Ft 2359	\$0	\$0	\$14,154
		4 1/2" 10.5 lb/ft M-65 Production Csg #REF! Ft	\$0	\$0	\$0
		2-3/8 " 4.7 lb/ft J55 8rd Production Tubing #REF! Ft	\$0	\$0	\$6,062
		Wellhead Equipment / Fittings	\$0	\$0	\$6,856
		Tank Battery	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$0	\$0
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$0	\$4,560
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$0	\$11,400
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$0	\$15,200
		Sales line labor/mat/row	\$0	\$0	\$19,000
		<b>TOTAL TANGIBLES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$86,326</b>

<b>GRAND TOTAL WELL COST</b>			\$0	\$0	\$311,405
153	115	Plugging & Abandonment	\$0		
			<b>Production Costs :</b>	\$311,405	<b>Dry Hole Costs :</b>
					\$0

Operations \_\_\_\_\_ Date \_\_\_\_\_ Geology \_\_\_\_\_ Date \_\_\_\_\_  
 Engineering \_\_\_\_\_ Date \_\_\_\_\_ Land \_\_\_\_\_ Date \_\_\_\_\_

Management Approval Approved by: *B.T. Fulmer* Title *Super. Perm. King* Date *8-6-13*  
 Management Approval Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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 -- Estimate Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	BI-115A	Field:	Oakwood	Completed By:	B.T. Fulmer
Location:	Russell County	Operator:	CNX Gas C	Date:	August 6, 2013
Expected Pay Zones:	P-3 Seam and coal seams below Tiller	Estimated Total Depth:	2646' DTD ft	AAPG Class:	
Proposed Work:	To drill, complete and produce	Participant(s):	N/A	W.I.	Amount
					\$0

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$0	\$0	\$37,452
		Building Location	\$0	\$0	\$20,203
		Roads / Stone / Culverts	\$0	\$0	\$0
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$0	\$0	\$66,174
		Drilling - Mobilization	\$0	\$0	\$2,053
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
		Cement Surface casing	\$0	\$0	\$4,000
		Cement Intermediate casing	\$0	\$0	\$7,600
		Open Hole Logging & Testing	\$0	\$0	\$2,500
		Trucking / Dozer (Drilling)	\$0	\$0	\$0
		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
		Drilling - Bits	\$0	\$0	\$0
		Technical Supervision (Drilling)	\$0	\$0	\$0
		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
		Overhead Rate	\$0	\$0	\$0
		Misc. & Contingencies	\$0	\$0	\$0
		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	\$2,700
		Stimulation / Fracturing	\$0	\$0	\$68,000
		Completion Rig	\$0	\$0	\$13,000
		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	\$0	\$300
		<b>TOTAL INTANGIBLES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$213,982</b>

Code	Code	Description	Casing Point	Completion	Total Cost
	9 5/8	" Conductor	#REF! Ft 75	\$0	\$1,384
		" 26 lb/ft LS Surface Csg	#REF! Ft	\$0	\$0
	7"	" 19 lb/ft LS Intermediate Csg	#REF! Ft 233	\$0	\$2,882
	4 1/2"	9.5 lb/ft M-65 Production Csg	#REF! Ft 2346	\$0	\$18,275
	4 1/2"	10.5 lb/ft M-65 Production Csg	#REF! Ft	\$0	\$0
	2-3/8"	4.7 lb/ft J55 8rd Production Tubing	#REF! Ft	\$0	\$8,100
		Wellhead Equipment / Fittings	\$0	\$0	\$9,021
		Tank Battery	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$0	\$0
		Gas Lift Equipment	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$0	\$6,000
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$0	\$15,000
		SS EOT-Packer, PF, FC, Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$0	\$20,000
		Sales line labor/mat/row	\$0	\$0	\$25,000
		<b>TOTAL TANGIBLES</b>	<b>\$0</b>	<b>\$0</b>	<b>\$105,662</b>

<b>GRAND TOTAL WELL COST</b>			<b>\$0</b>	<b>\$0</b>	<b>\$319,644</b>
153	115	Plugging & Abandonment	\$0		
<b>Production Costs :</b>			<b>\$319,644</b>	<b>Dry Hole Costs :</b>	<b>\$0</b>

Operations \_\_\_\_\_ Date \_\_\_\_\_ Geology \_\_\_\_\_ Date \_\_\_\_\_  
 Engineering \_\_\_\_\_ Date \_\_\_\_\_ Land \_\_\_\_\_ Date \_\_\_\_\_

Management Approval  
 Approved by: B.T. Fulmer Title Supr. Permitting Date 8-6-13  
 Management Approval  
 Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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 BI-115  
VGOB# 13-0917-4023  
List of all Conflicting Owners/Claimants that require Escrow  
(58.74 Acre Unit)

	Acres in Unit	Interest in Unit
<b>I. COAL OWNERSHIP</b>		
<u>Tract #1, 49.63 acres</u>		
(1) Letha F. Vandyke, et al. (199.00 Acre Tract)	49.63 acres	84.4910%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas Address Unknown	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas Address Unknown	0.09 acres 1/576 of 49.63 acres	0.1467%
<b>II. OIL &amp; GAS OWNERSHIP</b>		
<u>Tract #1, 49.63 acres</u>		
(1) Letha F. Vandyke, et al. (199.00 Acre Tract)	49.63 acres	84.4910%
(e) Elizabeth Worley Heirs, Devisees, Successors or Assigns		
(e.1) Patricia Ann Thomas Address Unknown	0.09 acres 1/576 of 49.63 acres	0.1467%
(e.2) Connie Thomas Address Unknown	0.09 acres 1/576 of 49.63 acres	0.1467%
<b><u>TOTAL CONFLICTS:</u></b>		
	Acreage in Unit	0.17
	Percentage of Unit	0.2934%



2481 John Nash Blvd.  
Bluefield, WV 24701

phone: 304-323-6617  
fax: 304-323-6555

August 12, 2013

**Department of Mines, Minerals and Energy**

Division of Gas and Oil

Mr. Rick Cooper

PO Box 159

135 Highlands Drive

Lebanon, VA 24266

**Re: CBM BI115A**

Dear Mr. Cooper;

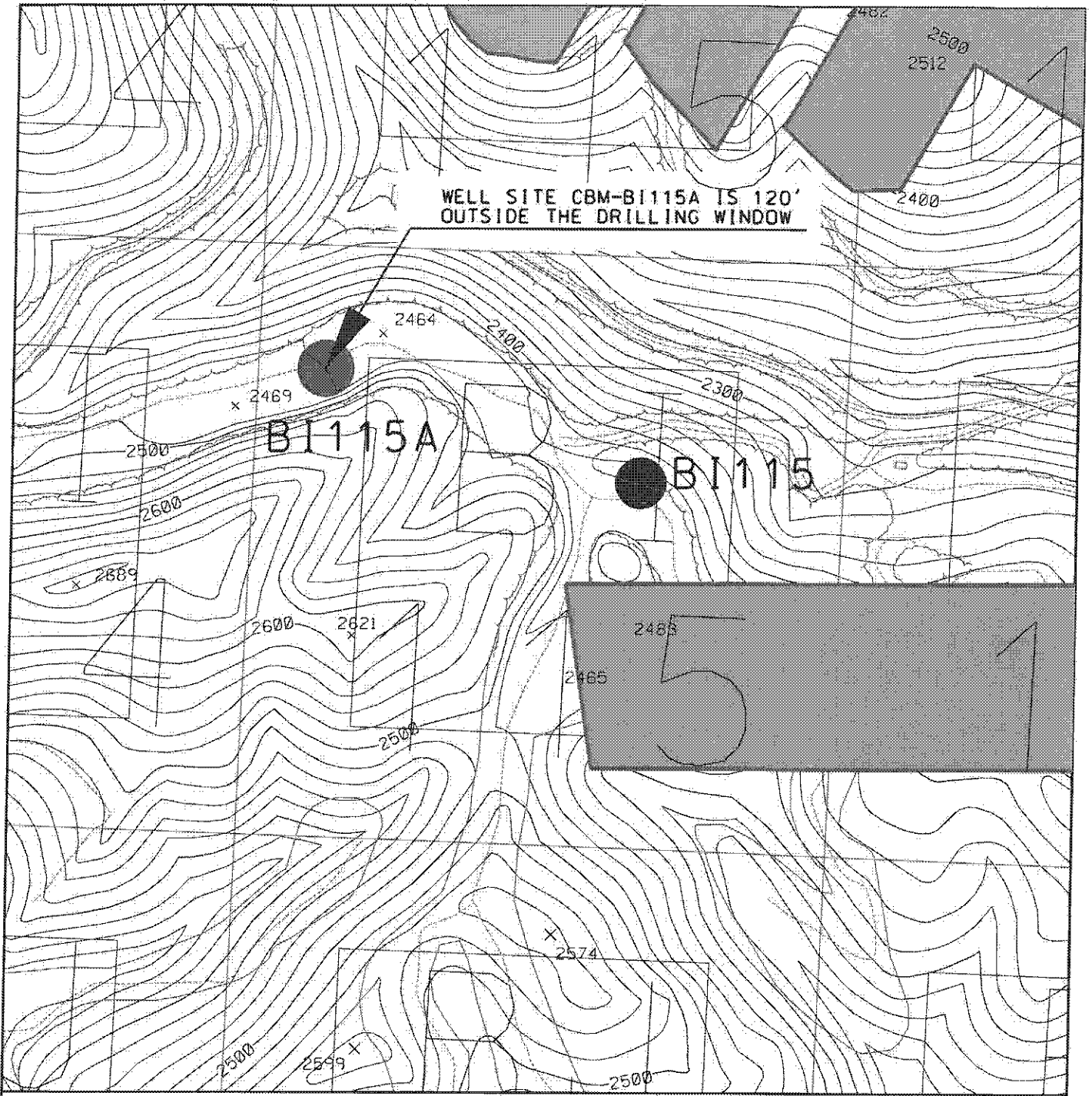
CNX Gas Company LLC hereby requests a location exception for the above referenced proposed well. This well cannot be located in the drilling window due to topography and deep mine projections in the Kennedy Seam by Jewell Smokeless Coal Company. The proposed well is approximately 120 feet outside of the drilling window.

Therefore, based on these conditions, we hereby request a location exception be granted for this well application.

Sincerely,

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

cc: Philip Lowe, Anita Duty, file BI115A



## LOCATION EXCEPTION EXHIBIT WELL NO. CBM-BI115A

SCALE: 1" = 400'

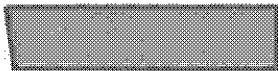
CNX GAS COMPANY, LLC.  
2481 JOHN NASH BLVD.  
BLUEFIELD, WV 24701

DRAWN BY: RDH

DATE: 8/9/13

FILE:LOC-EXCEPTION-BI115A

LEGEND:



JEWELL SMOKELESS - KENNEDY PROJECTIONS