

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: Pocahontas Gas LLC

DIVISION OF GAS AND OIL  
DOCKET NO.: VGOB 08-0318-2159-03

RELIEF SOUGHT: RE-POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: April 19, 2022

UNIT NUMBER: J-36  
IN THE OAKWOOD COALBED METHANE GAS FIELD I & II

BUCHANAN COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is **Pocahontas Gas LLC**, 128 Glenwood Street, Cedar Bluff, Virginia, 24609. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Re-Pooling under Oakwood Coalbed Methane Gas Fields I & II to address mapping changes.

3. **Legal Authority:** Va. Code Ann. §45.2-1600 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-91-1119-0162; VGOB 93/0216/0325; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.

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

5. **Permit numbers, if any:** J36 Permit# 8778; J36A Permit# 12681; J36B Permit# 9521

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:

*Buchanan Mining Company LLC; Jewell Smokeless Coal Corporation; Caroline Keen, et al including; Edith G. Street, Martha E. Combs Trust, Fred H. Combs II Testamentary Trust, CIPL, LP, Nancy J. Cole, James W. Burress, Margaret M. Davis, B.W. McDonald Testamentary Trust, Byrd W. McDonald, II, Timothy J. McDonald, Tamala M. Pelphey, Gregory B. McDonald, Greta Meek, Larry Dean Cole, Mary F. Harris, Caroline Cole Keen, Kimberly Willis, Appalachian Energy Inc., Donald Stephen Cole, Kenneth Edward Cole, Sherry Cole, Anthony Looney, Teena Cooper, Rita Gail Cooper, Thelma Cooper, Teresa Lynn Rogers, Thurman G. Cooper, Jr., Terry Allen Cooper, Karen Cooper Rowe, Sharon Cooper Daniels, Melanie D. Cooper, Corey S. Cooper, and Byron D. Cooper; Revelation Energy Inc.; Buck Jewell Resources,*

*LLC; Jeanette Cantrell; Norfolk Southern Railway Company; and Pocahontas Gas LLC*

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:** **\$897,227.46 (Well(s) J36 \$295,769.24, J36A \$245,408, J36B \$280,839.81, Allocated Panel Costs \$75,210.41)** See the annexed Exhibit's M and Exhibit C that estimates/reports the frac well cost and the average frac well cost associated with each panel that intersects the subject unit. 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 §45.2-1619.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.

**POCAHONTAS GAS LLC**  
BY ITS PROFESSIONAL MANAGER  
POCAHONTAS GAS LLC, PETITIONER

By: 

**Sherri R. Scott**  
Manager – Land Records/DOI/Pooling  
128 Glenwood Street  
Cedar Bluff, Virginia 24609

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: Pocahontas Gas LLC

DIVISION OF GAS AND OIL  
DOCKET NO. VGOB 08-0318-2159-03

RELIEF SOUGHT: RE-POOLING

UNIT NUMBER: J-36

NOTICE OF HEARING

HEARING DATE: April 19, 2022  
PLACE: Virginia Dept of Energy  
3405 Mountain Empire Road, Room 219  
Big Stone Gap, VA 24219  
and via Teleconference  
TIME: 10:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Buchanan Mining Company LLC; Jewell Smokeless Coal Corporation; Caroline Keen, et al including; Edith G. Street, Martha E. Combs Trust, Fred H. Combs II Testamentary Trust, CIPL, LP, Nancy J. Cole, James W. Burress, Margaret M. Davis, B.W. McDonald Testamentary Trust, Byrd W. McDonald, II, Timothy J. McDonald, Tamala M. Pelphrey, Gregory B. McDonald, Greta Meek, Larry Dean Cole, Mary F. Harris, Caroline Cole Keen, Kimberly Willis, Appalachian Energy Inc., Donald Stephen Cole, Kenneth Edward Cole, Sherry Cole, Anthony Looney, Teena Cooper, Rita Gail Cooper, Thelma Cooper, Teresa Lynn Rogers, Thurman G. Cooper, Jr., Terry Allen Cooper, Karen Cooper Rowe, Sharon Cooper Daniels, Melanie D. Cooper, Corey S. Cooper, and Byron D. Cooper; Revelation Energy Inc.; Buck Jewell Resources, LLC; Jeanette Cantrell; Norfolk Southern Railway Company; and Pocahontas Gas LLC*

1. **Applicant and its counsel:** Applicant is **Pocahontas Gas LLC**, 128 Glenwood Street, Cedar Bluff, Virginia, 24609. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Re-Pooling to address mapping changes

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 to correct acres resulting from mapping changes; (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 Pocahontas Gas 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. §45.2-1600 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-91-1119-0162; 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:** **\$897,227.46 (Well(s) J36 \$295,769.24, J36A \$245,408, J36B \$280,839.81, Allocated Panel Costs \$75,210.41)**

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

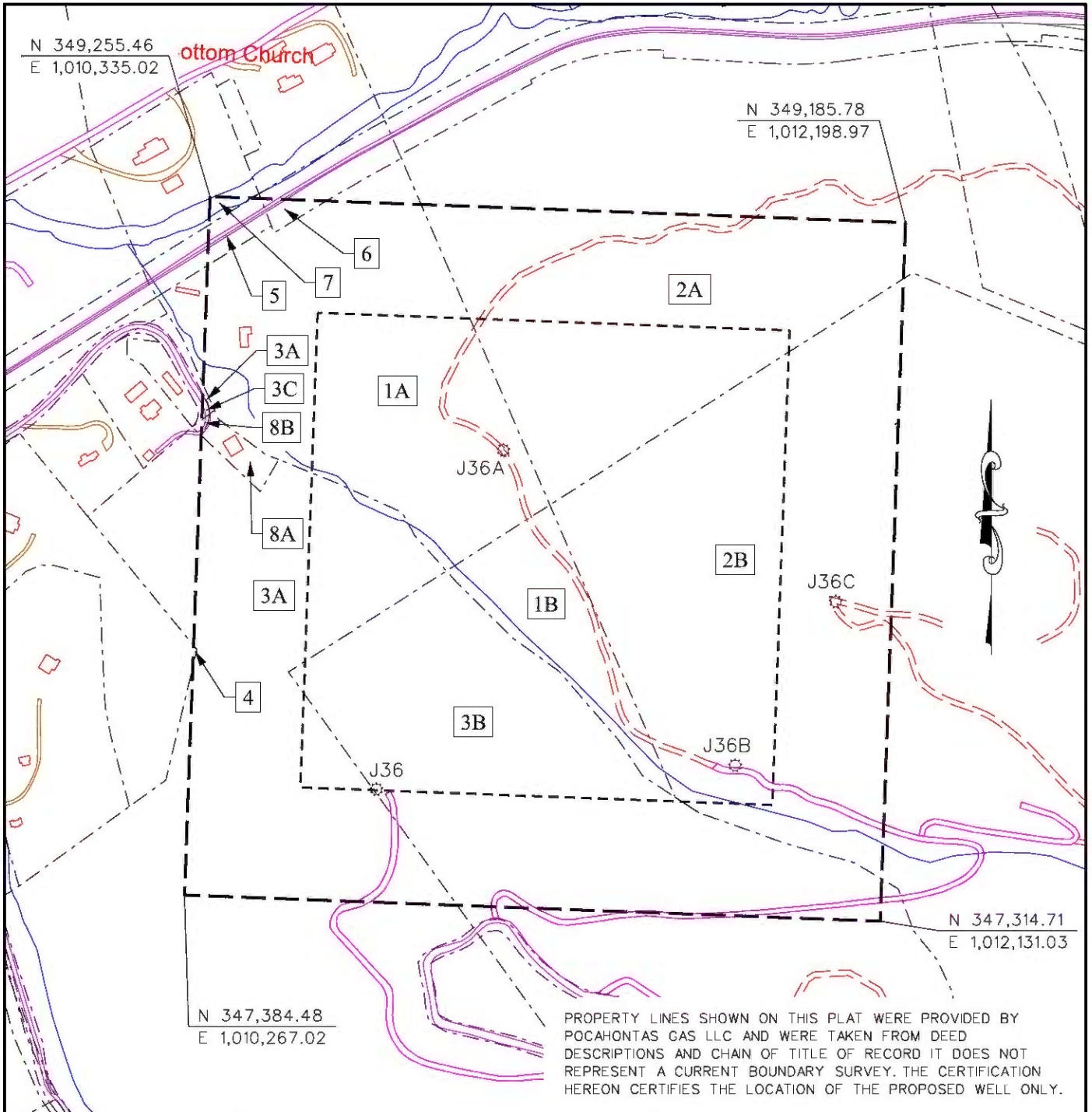
**NOTICE IS FURTHER GIVEN** that this cause has been set for hearing and the taking of evidence before the Board at 10:00 AM, on **April 19, 2022**, at the Virginia Energy Office, 3405 Mountain Empire Road, Big Stone Gap, Virginia 24219, and that notice will be published as required by law and the Rules 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, 3405 Mountain Empire Road, Big Stone Gap, VA 24219, 276/523-8100 or the Applicant at the address shown below.

DATED: March 16, 2022

**POCAHONTAS GAS LLC**  
BY ITS PROFESSIONAL MANAGER  
POCAHONTAS GAS LLC, PETITIONER

By: Sherri R. Scott  
**Sherri R. Scott**  
Manager – Land Records/DOI/Pooling  
128 Glenwood Street  
Cedar Bluff, Virginia 24609



PROPERTY LINES SHOWN ON THIS PLAT WERE PROVIDED BY POCAHONTAS 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.



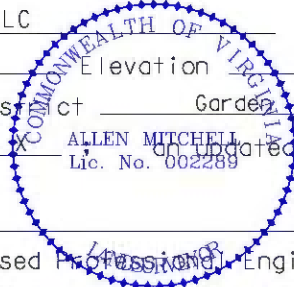
 CBM WELL  
 PROPOSED CBM WELL

EXHIBIT A  
 OAKWOOD FIELD  
 UNIT J36  
 FORCE POOLING  
 VGOB-08-0318-2159-03

Company POCAHONTAS GAS LLC Well Name and Number UNIT J36  
 Tract No. \_\_\_\_\_ Elevation \_\_\_\_\_ Quadrangle Keok Mountain  
 County Buchanan District Garden Scale: 1" = 400' Date \_\_\_\_\_  
 This plat is a new plat  or an updated plat \_\_\_\_\_ or a final plat \_\_\_\_\_



**ALLEN MITCHELL**  
 Digitally signed by  
**ALLEN MITCHELL**  
 Date: 2022.03.02  
 10:23:09 -05'00' (Affix Seal)

Form DGO-GO-7  
 Rev. 9/91

Licensed Professional Engineer or Licensed Land Surveyor

**Pocahontas Gas LLC  
UNIT J36  
Tract Identifications**

- 1A. Buchanan Mining Company LLC – Coal less Jawbone Seam of Coal  
Jewell Smokeless Coal Corporation – Jawbone Seam of Coal  
Pocahontas Gas LLC – Oil, Gas, and CBM  
Buchanan Mining Company LLC – Surface  
12.89 Acres    16.1125%
- 1B. Buchanan Mining Company LLC – Coal less Jawbone Seam of Coal  
Jewell Smokeless Coal Corporation – Jawbone Seam of Coal  
Pocahontas Gas LLC – Oil, Gas, and CBM  
Appalachian Energy, Inc. – Oil and Gas Leased (Retained Acres)  
Buchanan Mining Company LLC – Surface  
3.13 Acres    3.9125%
- 2A. Caroline Cole Keen, et al (164.56 Acre Tract) – All Minerals (Except Jawbone Seam & 1/9 In P-3 Seam)  
Buchanan Mining Company LLC – 1/9 Int. in P-3 Seam of Coal  
Revelation Energy, LLC – Jawbone Seam  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Revelation Energy, LLC – Above Drainage Coal Leased  
Appalachian Energy – Oil and Gas Leased (95.4321%)  
Appalachian Energy – CBM Leased (70.9877%) (deemed leased via JOA)  
Pocahontas Gas LLC – CBM Leased (14.5432%)  
Caroline Cole Keen, et al – Surface  
13.34 Acres    16.6750%
- 2B. Caroline Cole Keen, et al (164.56 Acre Tract) – All Minerals (Except Jawbone Seam & 1/9 In P-3 Seam)  
Buchanan Mining Company LLC – 1/9 Int. in P-3 Seam of Coal  
Revelation Energy, LLC – Jawbone Seam  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Revelation Energy, LLC – Above Drainage Coal Leased  
Appalachian Energy – Oil and Gas Leased (Retained Acres)  
Appalachian Energy – CBM Leased (70.9877%) (deemed leased via JOA)  
Pocahontas Gas LLC – CBM Leased (14.5432%)  
Caroline Cole Keen, et al – Surface  
21.24 Acres    26.5500%
- 3A. Buck Jewell Resources, LLC (100-acre Tract) – All minerals except the Jawbone Seam of Coal  
Revelation Energy, LLC – Jawbone Seam of Coal  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Appalachian Energy, Inc. – Oil, Gas, and CBM Leased  
Buck Jewell Resources, LLC – Surface  
13.05 Acres    16.3125%

"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."

**Pocahontas Gas LLC  
UNIT J36  
Tract Identifications**

- 3B. Buck Jewell Resources, LLC (100-acre Tract) – All minerals except the Jawbone Seam of Coal  
Revelation Energy, LLC – Jawbone Seam of Coal  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Appalachian Energy, Inc. – Oil and Gas (retained Acres)  
Appalachian Energy, Inc. – CBM Leased  
Buck Jewell Resources, LLC – Surface  
15.28 Acres      19.1000%
- 3C. Buck Jewell Resources, LLC (100-acre Tract) – All minerals except the Jawbone Seam of Coal  
Revelation Energy, LLC – Jawbone Seam of Coal  
Buchanan Mining Company LLC – Coal Below Tiller Seam Leased  
Appalachian Energy, Inc. – Oil, Gas, and CBM Leased  
County of Buchanan RT 5175 – Surface  
0.02 Acres      0.0250%
4. Jeanette Cantrell – Fee less Coal above Drainage  
Jewell Coal & Coke Company – Coal Above Drainage  
Buchanan Mining Company LLC – Coal below Tiller Seam Leased  
Jewell Smokeless Coal Corporation – Coal in the Raven and Jawbone Seams Leased  
Pocahontas Gas LLC – CBM Leased  
0.01 Acres      0.0125%
5. Norfolk Southern Railway Company – Fee  
Buchanan Mining Company LLC – Coal Below Drainage Leased  
Pocahontas Gas Company LLC – CBM Leased  
0.37 Acres      0.4625%
6. Norfolk Southern Railway Company – Fee  
Buchanan Mining Company LLC – Coal Below Drainage Leased  
Pocahontas Gas Company LLC – CBM Leased  
0.18 Acres      0.2250%
7. Buchanan Mining Company LLC – Coal  
Pocahontas Gas LLC - Oil, Gas, and CBM  
Buchanan Mining Company - Surface  
0.10 Acres      0.1250%
8. Buchanan Mining Company LLC – Coal  
Pocahontas Gas LLC - Oil, Gas, and CBM  
0.39 Acres      0.4875%
- 8A. Buchanan Mining Company LLC – Surface  
8B. County of Buchanan RT 5175 - Surface

"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 J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
<b>I. COAL OWNERSHIP</b>			
<b><u>Tract #1A, 12.89 Acres</u></b>			
<i>Coal less Jawbone Seam:</i>			
(1) Buchanan Mining Company LLC PO Drawer L Oakwood, VA 24631	12.89 acres	16.1125%	
<i>Jawbone Seam of Coal:</i>			
(1) Jewell Smokeless Coal Corporation 15498 Riverside Drive Oakwood, VA 24631	12.89 acres	16.1125%	
<b><u>Tract #1A, 3.13 Acres</u></b>			
<i>Coal less Jawbone Seam:</i>			
(1) Buchanan Mining Company LLC PO Drawer L Oakwood, VA 24631	3.13 acres	3.9125%	
<i>Jawbone Seam of Coal:</i>			
(1) Jewell Smokeless Coal Corporation 15498 Riverside Drive Oakwood, VA 24631	3.13 acres	3.9125%	
<b><u>Tract #2A, 13.34 Acres</u></b>			
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	13.34 acres	16.6750%	
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns			
(a) Hassel Cole (1/9)			<i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>
(a.1) Thelma Parks			<i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	0.741 acres 1/18 of 13.34 acres	0.9264%	
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***			
(a.1.2.1) Martha E. Combs Trust PO Box 1404 Abingdon, VA 24121	0.247 acres 1/54 of 13.34 acres	0.3088%	
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns			
(a.1.2.2.a) Fred H. Combs II Testamentary Trust c/o Trustee P.O. Box 841 Tazewell, VA 24651	0.247 acres 1/54 of 13.34 acres	0.3088%	
(a.1.2.3) Carol Irvin			<i>Conveyed 1/54 Interest to CIPL, LP (Instrument 1200026521)</i>
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.247 acres 1/54 of 13.34 acres	0.3088%	
*** NOTE: CNX Gas Company conveyed its Royalty interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).			
(a.2) Buchanan Mining Company LLC - <b>P3 Seam Only</b> *** PO Drawer L Oakwood, VA 24631	1.4822 acres 1/9 of 13.34 acres	1.8528%	
*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).			
(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)			
(b.1) Mona Cole, widow - <i>Deceased</i>			<i>Dower Interest of a 1/3 Life Estate</i>
(b.2) Nancy J. Cole <i>See (b.3.1.a) below</i> P. O. Box 2075 Beckley, WV 25802	1.482 acres 1/9 of 13.34 acres	1.8528%	
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)			<i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns			
(b.3.1.a) Nancy J. Cole (1/18)			<i>The 1/18th interest is combined with (b.2) above.</i>
(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)			
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	0.741 acres 1/18 of 13.34 acres	0.9264%	
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	0.741 acres 1/18 of 13.34 acres	0.9264%	

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(d) Leonard P. Cole (1/9)	<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>		
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns			
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.445 acres 1/30 of 13.34 acres	0.5558%	
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns			
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.208 acres 7/450 of 13.34 acres	0.2594%	
(d.2.2) Timothy J. McDonald 980 Cresswood Drive Prestonsburg, KY 41653	0.208 acres 7/450 of 13.34 acres	0.2594%	
(d.2.3) Tamala M. Pelphrey 10809 Meeting Street Prospect, KY 40059	0.208 acres 7/450 of 13.34 acres	0.2594%	
(d.2.4) Gregory B. McDonald 2229 Nicholasville Rd, Ste 250 Lexington, KY 40503	0.208 acres 7/450 of 13.34 acres	0.2594%	
(d.2.5) Greta McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.208 acres 7/450 of 13.34 acres	0.2594%	
(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)			
(e.1) Virgie Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(e.2) Larry Dean Cole 18927 Dismal River Rd Whitewood, VA 24657	0.247 acres 1/54 of 13.34 acres	0.3088%	
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.247 acres 1/54 of 13.34 acres	0.3088%	
(e.4) Caroline Jones (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/65 (DB 311-621. See (e.8) below.</i>		
(e.5) Debbie Cole Rife (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/65 (DB 311-623). See (e.8) below.</i>		
(e.6) Leon Lonnie Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (e.8) below.</i>		
(e.7) Jennings Hobart Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated ___/___/85 (DB 316-278). See (e.8) below.</i>		
(e.8) Claude V. Keen and Caroline Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(e.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.988 acres 2/27 of 13.34 acres	1.2352%	
(f) Graham Cole (1/9)	<i>Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9)	<i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		
(g.1) Alta M. Cole Heirs, Devisees, Successors or Assigns (2/9)			
(g.1.1) Harold G. Cole Heirs, Devisees, Successors or Assigns			
(g.1.1.1) Doris Jean Cole Heirs, Devisees, Successors, or Assigns			
(g.1.1.1.a) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	0.988 acres 2/27 of 13.34 acres	1.2352%	
(g.1.2) Donald Theodore Cole Heirs, Devisees, Successors or Assigns (2/27)			
(g.1.2.a) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241	0.494 acres 1/27 of 13.34 acres	0.6176%	
(g.1.2.b) Kenneth Edward Cole 31957 Redtail Reserve Blvd Sorrento, FL 32776-7761	0.494 acres 1/27 of 13.34 acres	0.6176%	
(g.1.3) Charles F. Cole Heirs, Devisees, Successors or Assigns			
(g.1.3.1) Norma Cole Dolsen Heirs, Devisees Successors, or Assigns			
(g.1.3.1.1) Sherry Cole	<i>Sherry Cole assigned 1/2 of her interest to Anthony Looney 6/25/2019, Instrument# 19-0875</i>		
(g.1.3.1.1.1) Sherry Cole 872 Wolf Creek Trail, Apt. 5 Abingdon, VA 24210	0.494 acres 1/27 of 13.34 acres	0.6176%	
(g.1.3.1.1.2) Anthony Looney 127 Foundation Ct, Unit 205 Mooresville, NC 28117-9612	0.494 acres 1/27 of 13.34 acres	0.6176%	
(n) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	1.482 acres 1/9 of 13.34 acres	1.8528%	
(i) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)			

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(I.1) Hassell McArthur Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (i.4) below.</i>		
(I.2) Graham Millard Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (i.4) below.</i>		
(I.3) Josh Wilson Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (i.4) below.</i>		
(I.4) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.494 acres 1/27 of 13.34 acres	0.6176%	
(I.5) Thelma Geraldine Murray (1/81)	<i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270)</i>		
(I.5.1) Mark Sizemore, etux. & Thelma Murray	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (i.8) below</i>		
(I.6) Lois Nicholson (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (i.8) below</i>		
(I.7) Betty Tristan (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (i.8) below</i>		
(I.8) Claude V. Keen and Caroline Cole Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(I.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.494 acres 1/27 of 13.34 acres	0.6176%	
(I.9) Thurman Gerald Cooper Heirs, Devisees, Successors or Assigns (1/81)			
(I.9.1) Bruce Michael Cooper Heirs, Devisees, Successors or Assigns			
(I.9.1.1) Teena Cooper P.O. Box 131 North Tazewell, VA 24630	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.9.2) Rita Gail Cooper 1085 Route 638 Trailer Park Road Oakwood, VA 24631-8946	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.9.3) Thelma G. Cooper 179 Bay Road Richlands, VA 24641	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.9.4) Teresa Lynn Rogers PO Box 1717 Richlands, VA 24641	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.9.5) Thurman G. Cooper, Jr. 5120 Hale Creek Road Pilgrims Knob, VA 24634	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.9.6) Terry Allen Cooper 17216 Ian Lane, Lot #10 Abingdon, VA 24210	0.027 acres 1/486 of 13.34 acres	0.0343%	
(I.10) Billy Victor Cooper (1/81)	<i>Pre-deceased Garnett Cole Cooper (mother)</i>		
(I.10.1) Karen Cooper Rowe P.O. Box 761 Hanover, WV 24839	0.082 acres 1/162 of 13.34 acres	0.1029%	
(I.10.2) Sharon Cooper Daniels P.O. Box 1322 Shady Spring, WV 25918-1322	0.082 acres 1/162 of 13.34 acres	0.1029%	
(I.11) Gary L. Cooper (1/81)	<i>Pre-deceased Garnett Cole Cooper (mother)</i>		
(I.11.1) Melanie D. Cooper 1997 Rockhouse Road Paw Paw, KY 41553	0.055 acres 1/243 of 13.34 acres	0.0686%	
(I.11.2) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.055 acres 1/243 of 13.34 acres	0.0686%	
(I.11.3) Byron D. Cooper P.O. Box 252 Vansant, VA 24656	0.055 acres 1/243 of 13.34 acres	0.0686%	
(2) Revelation Energy, Inc. ( <i>Jawbone Seam of Coal only</i> ) PO Box 743 Doran, VA 24612	13.34 acres	16.6750%	
<b>Tract #2B, 21.24 Acres</b>			
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	21.24 acres	26.5500%	
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns			
(a) Hassel Cole (1/8)	<i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>		
(a.1) Thelma Parks	<i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>		
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	1.180 acres 1/18 of 21.24 acres	1.4750%	
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***			

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(a.1.2.1) Martha E. Combs Trust PO Box 1404 Abingdon, VA 24121	0.393 acres 1/54 of 21.24 acres	0.4917%	
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns			
(a.1.2.2.a) Fred H. Combs II Testamentary Trust c/o Trustee P.O. Box 841 Tazewell, VA 24651	0.393 acres 1/54 of 21.24 acres	0.4917%	
(a.1.2.3) Carol Irvin	<i>Conveyed 1/54 interest to CIPL, LP (Instrument 1200026521)</i>		
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.393 acres 1/54 of 21.24 acres	0.4917%	
*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).			
(a.2) Buchanan Mining Company LLC - <b>P3 Seam Only</b> *** PO Drawer L Oakwood, VA 24631	2.3600 acres 1/9 of 21.24 acres	2.9500%	
*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).			
(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)			
(b.1) Mona Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(b.2) Nancy J. Cole <i>See (b.3.1.a) below</i> P. O. Box 2075 Beckley, WV 25802	2.360 acres 1/9 of 21.24 acres	2.9500%	
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)	<i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>		
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns	<i>The 1/18th interest is combined with (b.2) above.</i>		
(b.3.1.a) Nancy J. Cole (1/18)			
(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)			
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	1.180 acres 1/18 of 21.24 acres	1.4750%	
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	1.180 acres 1/18 of 21.24 acres	1.4750%	
(d) Leonard P. Cole (1/9)			
<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>			
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns			
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.708 acres 1/30 of 21.24 acres	0.8850%	
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns			
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.330 acres 7/450 of 21.24 acres	0.4130%	
(d.2.2) Timothy J. McDonald 980 Cresswood Drive Prestonsburg, KY 41653	0.330 acres 7/450 of 21.24 acres	0.4130%	
(d.2.3) Tamaia M. Pelpnrey 10809 Meeting Street Prospect, KY 40059	0.330 acres 7/450 of 21.24 acres	0.4130%	
(d.2.4) Gregory B. McDonald 2220 Nicholasville Rd, Ste 250 Lexington, KY 40503	0.330 acres 7/450 of 21.24 acres	0.4130%	
(d.2.5) Greta McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.330 acres 7/450 of 21.24 acres	0.4130%	
(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)			
(e.1) Virgie Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(e.2) Larry Dean Cole 16927 Dismal River Rd Whitewood, VA 24657	0.393 acres 1/54 of 21.24 acres	0.4917%	
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.393 acres 1/54 of 21.24 acres	0.4917%	
(e.4) Caroline Jones (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621). See (e.8) below.</i>		
(e.5) Debbie Cole Rife (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (e.8) below.</i>		
(e.6) Leon Lonnie Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (e.8) below.</i>		
(e.7) Jennings Hobart Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated ___/___/85 (DB 316-278). See (e.8) below.</i>		

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(e.8) Claude V. Keen and Caroline Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(e.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	1.573 acres 2/27 of 21.24 acres	1.9667%	
(f) Graham Cole (1/9)	<i>Interest conveyed to Gaille F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
(g) Gaille Cole Heirs, Devises, Successors or Assigns (2/9)	<i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		
(g.1) Alta M. Cole Heirs, Devises, Successors or Assigns (2/9)			
(g.1.1) Harold G. Cole Heirs, Devises, Successors or Assigns			
(g.1.1.1) Doris Jean Cole Heirs, Devises, Successors, or Assigns			
(g.1.1.1.a) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	1.573 acres 2/27 of 21.24 acres	1.9667%	
(g.1.2) Donald Theodore Cole Heirs, Devises, Successors or Assigns (2/27)			
(g.1.2.a) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241	0.787 acres 1/27 of 21.24 acres	0.9833%	
(g.1.2.b) Kenneth Edward Cole 31957 Redtail Reserve Blvd Sorrento, FL 32776-7761	0.787 acres 1/27 of 21.24 acres	0.9833%	
(g.1.3) Charles F. Cole Heirs, Devises, Successors or Assigns			
(g.1.3.1) Norma Cole Dolson Heirs, Devises Successors, or Assigns			
(g.1.3.1.1) Sherry Cole	<i>Sherry Cole assigned 1/2 of her interest to Anthony Looney 6/25/2019, Instrument# 19-0875</i>		
(g.1.3.1.1.1) Sherry Cole 872 Wolf Creek Trail, Apt. 5 Abingdon, VA 24210	0.787 acres 1/27 of 21.24 acres	0.9833%	
(g.1.3.1.1.2) Anthony Looney 127 Foundation Ct, Unit 205 Mooresville, NC 28117-9612	0.787 acres 1/27 of 21.24 acres	0.9833%	
(h) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	2.360 acres 1/9 of 21.24 acres	2.9500%	
(i) Nannie Garnett Cole Cooper Heirs, Devises, Successors or Assigns (1/9)			
(i.1) Hassell McArthur Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (i.4) below.</i>		
(i.2) Graham Millard Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (i.4) below.</i>		
(i.3) Josh Wilson Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (i.4) below.</i>		
(i.4) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.787 acres 1/27 of 21.24 acres	0.9833%	
(i.5) Thelma Geraldine Murray (1/81)	<i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270)</i>		
(i.5.1) Mark Sizemore, etux. & Thelma Murray	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (i.8) below</i>		
(i.6) Lois Nichalson (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (i.8) below</i>		
(i.7) Betty Tristan (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (i.8) below</i>		
(i.8) Claude V. Keen and Caroline Cole Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(i.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.787 acres 1/27 of 21.24 acres	0.9833%	
(i.9) Thurman Gerald Cooper Heirs, Devises, Successors or Assigns (1/81)			
(i.9.1) Bruce Michael Cooper Heirs, Devises, Successors or Assigns			
(i.9.1.1) Teena Cooper P.O. Box 131 North Tazewell, VA 24630	0.044 acres 1/488 of 21.24 acres	0.0546%	
(i.9.2) Rita Gail Cooper 1065 Route 638 Trailer Park Road Oakwood, VA 24631-8946	0.044 acres 1/488 of 21.24 acres	0.0546%	
(i.9.3) Thelma G. Cooper 179 Bay Road Richlands, VA 24641	0.044 acres 1/488 of 21.24 acres	0.0546%	
(i.9.4) Teresa Lynn Rogers PO Box 1717 Richlands, VA 24641	0.044 acres 1/488 of 21.24 acres	0.0546%	
(i.9.5) Thurman G. Cooper, Jr. 5120 Hale Creek Road Pilgrims Knob, VA 24634	0.044 acres 1/488 of 21.24 acres	0.0546%	

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**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(i.9.8) Terry Allen Cooper 17218 Ian Lane, Lot #10 Abingdon, VA 24210	0.044 acres 1/486 of 21.24 acres	0.0546%	
(i.10) Billy Victor Cooper (1/81)	<i>Pre-deceased Gamett Cole Cooper (mother)</i>		
(i.10.1) Karen Cooper Rowe P.O. Box 781 Hanover, WV 24839	0.131 acres 1/162 of 21.24 acres	0.1639%	
(i.10.2) Sharon Cooper Daniels P.O. Box 1322 Shady Spring, WV 25918-1322	0.131 acres 1/162 of 21.24 acres	0.1639%	
(i.11) Gary L. Cooper (1/81)	<i>Pre-deceased Gamett Cole Cooper (mother)</i>		
(i.11.1) Melanie D. Cooper 1997 Rockhouse Road Paw Paw, KY 41553	0.087 acres 1/243 of 21.24 acres	0.1093%	
(i.11.2) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.087 acres 1/243 of 21.24 acres	0.1093%	
(i.11.3) Byron D. Cooper P.O. Box 252 Vansant, VA 24656	0.087 acres 1/243 of 21.24 acres	0.1093%	
(2) Revelation Energy, Inc. ( <i>Jawbone Seam of Coal only</i> ) PO Box 743 Doran, VA 24612	21.24 acres	26.5500%	
<b><u>Tract #3A, 13.05 Acres</u></b>			
<i>Coal less Jawbone Seam:</i>			
(1) Buck Jewell Resources, LLC (100 Acre Tract) PO Box 743 Doran, VA 24612	13.05 acres	16.3125%	
<i>Jawbone Seam of Coal:</i>			
(1) Revelation Energy, Inc. PO Box 743 Doran, VA 24612	13.05 acres	16.3125%	
<b><u>Tract #3B, 15.28 Acres</u></b>			
<i>Coal less Jawbone Seam:</i>			
(1) Buck Jewell Resources, LLC (100 Acre Tract) PO Box 743 Doran, VA 24612	15.28 acres	19.1000%	
<i>Jawbone Seam of Coal:</i>			
(1) Revelation Energy, Inc. PO Box 743 Doran, VA 24612	15.28 acres	19.1000%	
<b><u>Tract #3C, 0.02 Acres</u></b>			
<i>Coal less Jawbone Seam:</i>			
(1) Buck Jewell Resources, LLC (100 Acre Tract) PO Box 743 Doran, VA 24612	0.02 acres	0.0250%	
<i>Jawbone Seam of Coal:</i>			
(1) Revelation Energy, Inc. PO Box 743 Doran, VA 24612	0.02 acres	0.0250%	
<b><u>Tract #4, 0.01 Acres</u></b>			
<i>Coal in and below drainage:</i>			
(1) Jeanette Cantrell 1243 Horn Mountain Rd. Raven, VA 24639	0.01 acres	0.0125%	
<i>Coal below drainage:</i>			
(1) Jewell Coal & Coke Company PO Box 70 Vansant, VA 24656	0.01 acres	0.0125%	
<b><u>Tract #5, 0.37 Acres</u></b>			
(1) Norfolk Southern Railway Company Real Estate Dept. - Attn: Ann Powell 1200 Peachtree Road; Box 165 Atlanta, GA 30309	0.37 acres	0.4625%	

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**Unit J-36**  
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**Buchanan County, VA**  
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	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
<b><u>Tract #6, 0.18 Acres</u></b>			
(1) Norfolk Southern Railway Company Real Estate Dept. - Attn: Ann Powell 1200 Peachtree Road; Box 165 Atlanta, GA 30309	0.18 acres	0.2250%	
<b><u>Tract #7, 0.10 Acres</u></b>			
(1) Buchanan Mining Company LLC PO Drawer L Oakwood, VA 24631	0.10 acres	0.1250%	
<b><u>Tract #8, 0.39 Acres</u></b>			
(1) Buchanan Mining Company LLC PO Drawer L Oakwood, VA 24631	0.39 acres	0.4875%	
<b>II. OIL &amp; GAS OWNERSHIP</b>			
<b><u>Tract #1A, 12.89 Acres</u></b>			
(1) Pocahontas Gas LLC 1000 Consol Energy Drive Canonsburg, PA 15317	12.89 acres	16.1125%	0.2715%
<b><u>Tract #1B, 3.13 Acres</u></b>			
(1) Pocahontas Gas LLC 1000 Consol Energy Drive Canonsburg, PA 15317 <i>** NOTE: Retained acres under Appalachian Energy, Inc. lease of Oil &amp; Gas. (Deemed leased by AEI JOA)</i>	3.13 acres	3.9125%	0.0658%
<b><u>Tract #2A, 13.34 Acres</u></b>			
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	13.34 acres	16.6750%	
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns			
(a) Hassel Cole (1/9)			<i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-328)</i>
(a.1) Thelma Parks			<i>Interest conveyed to Edith Street and Marlon Combs by deed dated 5/7/64 (DB 161-366)</i>
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	0.741 acres 1/18 of 13.34 acres	0.9264%	0.0156%
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***			
(a.1.2.1) Martha E. Combs Trust PO Box 1404 Abingdon, VA 24121	0.247 acres 1/54 of 13.34 acres	0.3088%	0.0052%
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns			
(a.1.2.2.a) Fred H. Combs II Testamentary Trust c/o Trustee P.O. Box 841 Tazewell, VA 24651	0.247 acres 1/54 of 13.34 acres	0.3088%	0.0052%
(a.1.2.3) Carol Irvin			<i>Conveyed 1/54 interest to CIPL, LP (Instrument 1200026521)</i>
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.247 acres 1/54 of 13.34 acres	0.3088%	0.0052%
<i>*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).</i>			
(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)			
(b.1) Mona Cole, widow - <i>Deceased</i>			<i>Dower Interest of a 1/3 Life Estate</i>
(b.2) Nancy J. Cole <i>See (b.3.1.a) below</i> P. O. Box 2075 Beckley, WV 25802	1.482 acres 1/9 of 13.34 acres	1.8528%	0.0312%
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)			<i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns			
(b.3.1.a) Nancy J. Cole (1/18)			<i>The 1/18th interest is combined with (b.2) above.</i>
(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)			
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	0.741 acres 1/18 of 13.34 acres	0.9264%	0.0156%
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	0.741 acres 1/18 of 13.34 acres	0.9264%	0.0156%
(d) Leonard P. Cole (1/9)			<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>

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**Buchanan County, VA**  
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	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns			
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.445 acres 1/30 of 13.34 acres	0.5558%	0.0094%
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns			
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.208 acres 7/450 of 13.34 acres	0.2594%	0.0044%
(d.2.2) Timothy J. McDonald 980 Cresswood Drive Prestonsburg, KY 41653	0.208 acres 7/450 of 13.34 acres	0.2594%	0.0044%
(d.2.3) Tamala M. Pelpnrey 10809 Meeting Street Prospect, KY 40059	0.208 acres 7/450 of 13.34 acres	0.2594%	0.0044%
(d.2.4) Gregory B. McDonald 2220 Nicholasville Rd, Ste 250 Lexington, KY 40503	0.208 acres 7/450 of 13.34 acres	0.2594%	0.0044%
(d.2.5) Greia McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.208 acres 7/450 of 13.34 acres	0.2594%	0.0044%
(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)			
(e.1) Virgie Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(e.2) Larry Dean Cole 18927 Dismal River Rd Whitewood, VA 24657	0.247 acres 1/54 of 13.34 acres	0.3088%	0.0052%
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.247 acres 1/54 of 13.34 acres	0.3088%	0.0052%
(e.4) Caroline Jones (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621. See (e.8) below.</i>		
(e.5) Debbie Cole Rife (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (e.8) below.</i>		
(e.6) Leon Lonnie Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (e.8) below.</i>		
(e.7) Jennings Hobart Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated ___/___/85 (DB 316-278). See (e.8) below.</i>		
(e.8) Claude V. Keen and Caroline Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(e.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.988 acres 2/27 of 13.34 acres	1.2352%	0.0208%
(f) Graham Cole (1/9)	<i>Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9)			
(g.1) Alta M. Cole Heirs, Devisees, Successors or Assigns (2/9)			
(g.1.1) Harold G. Cole Heirs, Devisees, Successors or Assigns			
(g.1.1.1) Doris Jean Cole Heirs, Devisees, Successors, or Assigns			
(g.1.1.1.a) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	0.988 acres 2/27 of 13.34 acres	1.2352%	0.0208%
(g.1.2) Donald Theodore Cole Heirs, Devisees, Successors or Assigns (2/27)			
(g.1.2.a) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(g.1.2.b) Kenneth Edward Cole 31957 Redtail Reserve Blvd Sorrento, FL 32776-7761	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(g.1.3) Charles F. Cole Heirs, Devisees, Successors or Assigns			
(g.1.3.1) Norma Cole Dolsen Heirs, Devisees Successors, or Assigns			
(g.1.3.1.1) Shery Cole			
<i>Shery Cole assigned 1/2 of her interest to Anthony Looney 6/25/2019, instrument# 19-0875</i>			
(g.1.3.1.1.1) Shery Cole 872 Wolf Creek Trail, Apt. 5 Abingdon, VA 24210	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(g.1.3.1.1.2) Anthony Looney 127 Foundation Ct, Unit 205 Mooresville, NC 28117-9612	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(n) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	1.482 acres 1/9 of 13.34 acres	1.8528%	0.0312%
(i) Nannie Gamett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)			
(i.1) Hassell McArthur Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (i.4) below.</i>		

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(I.2) Graham Millard Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (i.4) below.</i>		
(I.3) Josh Wilson Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (i.4) below.</i>		
(I.4) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(I.5) Thelma Geraldine Murray (1/81)	<i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270)</i>		
(I.5.1) Mark Sizemore, et ux. & Thelma Murray	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (I.8) below</i>		
(I.6) Lois Nichalson (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (I.8) below</i>		
(I.7) Betty Tristan (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (I.8) below</i>		
(I.8) Claude V. Keen and Caroline Cole Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(I.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.494 acres 1/27 of 13.34 acres	0.6176%	0.0104%
(I.9) Thurman Gerald Cooper Heirs, Devisees, Successors or Assigns (1/81)			
(I.9.1) Bruce Michael Cooper Heirs, Devisees, Successors or Assigns			
(I.9.1.1) Teena Cooper P.O. Box 131 North Tazewell, VA 24630	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.9.2) Rita Gail Cooper 1085 Route 638 Trailer Park Road Oakwood, VA 24631-8946	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.9.3) Thelma G. Cooper 179 Bay Road Richlands, VA 24641	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.9.4) Teresa Lynn Rogers PO Box 1717 Richlands, VA 24641	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.9.5) Thurman G. Cooper, Jr. 5120 Hale Creek Road Pilgrims Knob, VA 24634	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.9.6) Terry Allen Cooper 17218 Ian Lane, Lot #10 Abingdon, VA 24210	0.027 acres 1/486 of 13.34 acres	0.0343%	0.0006%
(I.10) Billy Victor Cooper (1/81)	<i>Pre-deceased Garnett Cole Cooper (mother)</i>		
(I.10.1) Karen Cooper Rowe P.O. Box 781 Hanover, WV 24839	0.082 acres 1/162 of 13.34 acres	0.1029%	0.0017%
(I.10.2) Sharon Cooper Daniels P.O. Box 1322 Shady Spring, WV 25918-1322	0.082 acres 1/162 of 13.34 acres	0.1029%	0.0017%
(I.11) Gary L. Cooper (1/81)	<i>Pre-deceased Garnett Cole Cooper (mother)</i>		
(I.11.1) Melanie D. Cooper 1997 Rockhouse Road Paw Paw, KY 41553	0.055 acres 1/243 of 13.34 acres	0.0686%	0.0012%
(I.11.2) Corey S. Cooper 4455 Old Leesters Fork Road Grundy, VA 24614	0.055 acres 1/243 of 13.34 acres	0.0686%	0.0012%
(I.11.3) Byron D. Cooper P.O. Box 252 Vansant, VA 24656	0.055 acres 1/243 of 13.34 acres	0.0686%	0.0012%

**Tract #2B, 21.24 Acres**

Caroline Cole Keen, et al.  
*(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)*  
*(184.56 Acre Tract)*

**\*\* NOTE: Retained acres under Appalachian Energy, Inc. lease of Oil & Gas. (Deemed leased by AEI JOA)**

**(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns**

(a) Hassel Cole (1/9)	<i>Interest conveyed to Thelma Parks by creditor's suit dated 5/2/64 (DB 161-326)</i>		
(a.1) Thelma Parks	<i>Interest conveyed to Edith Street and Marion Combs by deed dated 5/7/64 (DB 161-366)</i>		
(a.1.1) Edith G. Street *** P.O. Box 459 Abingdon, VA 24212	1.180 acres 1/18 of 21.24 acres	1.4750%	0.0249%
(a.1.2) Marion S. Combs Heirs, Devisees, Successors or Assigns (1/18) ***			
(a.1.2.1) Martha E. Combs Trust PO Box 1404 Abingdon, VA 24121	0.393 acres 1/54 of 21.24 acres	0.4917%	0.0083%
(a.1.2.2) Frederick H. Combs II Heirs, Devisees, Successors or Assigns			

**Exhibit B**  
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**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(a.1.2.2.a) Fred H. Combs II Testamentary Trust c/o Trustee P.O. Box 841 Tazewell, VA 24651	0.393 acres 1/54 of 21.24 acres	0.4917%	0.0083%
(a.1.2.3) Carol Irvin	<i>Conveyed 1/54 interest to CIPL, LP (Instrument 1200026521)</i>		
(a.1.2.3.1) CIPL, LP 4710 Hunterwood Circle Richmond, TX 77406	0.393 acres 1/54 of 21.24 acres	0.4917%	0.0083%
<i>*** NOTE: CNX Gas Company conveyed its Royalty Interest in the CBM Only to Edith Street, John Irvin, Carol Irvin, Martha Combs and The Frederick H. Combs II Testamentary Trust by deed dated 3/07/08 (Inst#080001170).</i>			
<b>(b) Kermit Cole Heirs, Devisees, Successors or Assigns (1/9)</b>			
(b.1) Mona Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(b.2) Nancy J. Cole <i>See (b.3.1.a) below</i> P. O. Box 2075 Beckley, WV 25802	2.360 acres 1/9 of 21.24 acres	2.9500%	0.0497%
(b.3) Shirley Cole Fuqua Heirs, Devisees, Successors or Assigns (1/18)	<i>No issue and her husband is deceased. Shirley Fuqua pre-deceased Mona Cole, her mother.</i>		
(b.3.1) Mona Cole Heirs, Devisees, Successors or Assigns	<i>The 1/18th interest is combined with (b.2) above.</i>		
(b.3.1.a) Nancy J. Cole (1/18)	<i>The 1/18th interest is combined with (b.2) above.</i>		
<b>(c) Trula Burress Heirs, Devisees, Successors or Assigns (1/9)</b>			
(c.1) James W. Burress 22638 Aven Lane Abingdon, VA 24211	1.180 acres 1/18 of 21.24 acres	1.4750%	0.0249%
(c.2) Margaret M. Davis P.O. Box 10 Richlands, VA 24641	1.180 acres 1/18 of 21.24 acres	1.4750%	0.0249%
<b>(d) Leonard P. Cole (1/9)</b>			
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns	<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>		
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.708 acres 1/30 of 21.24 acres	0.8850%	0.0149%
(d.2) Lena McDonald Heirs, Devisees, Successors or Assigns	<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>		
(d.2.1) Byrd W. McDonald, II 10456 NW 2nd Ave. Portland, OR 97231	0.330 acres 7/450 of 21.24 acres	0.4130%	0.0070%
(d.2.2) Timothy J. McDonald 980 Cresswood Drive Prestonsburg, KY 41653	0.330 acres 7/450 of 21.24 acres	0.4130%	0.0070%
(d.2.3) Tamaia M. Pelpnrey 10809 Meeting Street Prospect, KY 40059	0.330 acres 7/450 of 21.24 acres	0.4130%	0.0070%
(d.2.4) Gregory B. McDonald 2220 Nicholasville Rd, Ste 250 Lexington, KY 40503	0.330 acres 7/450 of 21.24 acres	0.4130%	0.0070%
(d.2.5) Greta McDonald Meek 177 Colvin Branch Oil Springs, KY 41238	0.330 acres 7/450 of 21.24 acres	0.4130%	0.0070%
<b>(e) Sherman Cole Heirs, Devisees, Successors or Assigns (1/9)</b>			
(e.1) Virgie Cole, widow - <i>Deceased</i>	<i>Dower Interest of a 1/3 Life Estate</i>		
(e.2) Larry Dean Cole 16927 Dismal River Rd Whitewood, VA 24657	0.393 acres 1/54 of 21.24 acres	0.4917%	0.0083%
(e.3) Mary F. Harris 4823 Basswood Drive Columbus, GA 31904	0.393 acres 1/54 of 21.24 acres	0.4917%	0.0083%
(e.4) Caroline Jones (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/20/85 (DB 311-621). See (e.8) below.</i>		
(e.5) Debbie Cole Rife (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 5/23/85 (DB 311-623). See (e.8) below.</i>		
(e.6) Leon Lonnie Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 11/01/85 (DB 316-276). See (e.8) below.</i>		
(e.7) Jennings Hobart Cole (1/54)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated ___/___/85 (DB 316-278). See (e.8) below.</i>		
(e.8) Claude V. Keen and Caroline Keen	<i>Claude V. Keen D.O.D. 5/14/2012</i>		
(e.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	1.573 acres 2/27 of 21.24 acres	1.9667%	0.0331%
<b>(f) Graham Cole (1/9)</b>			
(f) Graham Cole (1/9)	<i>Interest conveyed to Gallie F. Cole by deed dated 2/7/64 (DB 159-586)</i>		
<b>(g) Gallie Cole Heirs, Devisees, Successors or Assigns (2/9)</b>			
(g.1) Alta M. Cole Heirs, Devisees, Successors or Assigns (2/9)	<i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		
(g.1.1) Harold G. Cole Heirs, Devisees, Successors or Assigns	<i>Interest inherited from Caroline Cole Gregory (1/9) plus interest conveyed from Graham Cole (1/9), see (f) above.</i>		

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(g.1.1.1) Doris Jean Cole Heirs, Devisees, Successors, or Assigns			
(g.1.1.1.a) Kimberly Willis 1011 Nature Wood Circle Kent, OH 44240	1.573 acres 2/27 of 21.24 acres	1.9667%	0.0331%
(g.1.2) Donald Theodore Cole Heirs, Devisees, Successors or Assigns (2/27)			
(g.1.2.a) Donald Stephen Cole 11 Woodcreek Drive Blue Ash, OH 45241	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(g.1.2.b) Kenneth Edward Cole 31957 Redlail Reserve Blvd Sorrento, FL 32776-7761	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(g.1.3) Charles F. Cole Heirs, Devisees, Successors or Assigns			
(g.1.3.1) Norma Cole Dotson Heirs, Devisees Successors, or Assigns			
(g.1.3.1.1) Sherry Cole <i>Sherry Cole assigned 1/2 of her interest to Anthony Looney 6/25/2019, Instrument# 19-0875</i>			
(g.1.3.1.1.1) Sherry Cole 872 Wolf Creek Trail, Apt. 5 Abingdon, VA 24210	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(g.1.3.1.1.2) Anthony Looney 127 Foundation Ct, Unit 205 Moorestville, NC 28117-9612	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(h) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	2.380 acres 1/9 of 21.24 acres	2.9500%	0.0497%
(i) Nannie Garnett Cole Cooper Heirs, Devisees, Successors or Assigns (1/9)			
(i.1) Hassell McArthur Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/21/81 (DB 283-471) - see (i.4) below.</i>		
(i.2) Graham Millard Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 10/26/81 (DB 283-863) - see (i.4) below.</i>		
(i.3) Josh Wilson Cooper (1/81)	<i>Interest conveyed to Caroline Keen by deed dated 11/09/81 (DB 284-113) - see (i.4) below.</i>		
(i.4) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(i.5) Thelma Geraldine Murray (1/81)	<i>Interest conveyed to Mark Sizemore by quitclaim deed dated 2/6/85 (DB 309-270)</i>		
(i.5.1) Mark Sizemore, etux. & Thelma Murray	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-722) - see (i.8) below</i>		
(i.6) Lois Nicholson (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-725) - see (i.8) below</i>		
(i.7) Betty Tristan (1/81)	<i>Interest conveyed to Claude V. Keen and Caroline Keen by deed dated 8/14/86 (DB 323-728) - see (i.8) below</i>		
(i.8) Claude V. Keen and Caroline Cole Keen <i>Claude V. Keen D.O.D. 5/14/2012</i>			
(i.8.1) Caroline Cole Keen P.O. Box 233 Whitewood, VA 24657	0.787 acres 1/27 of 21.24 acres	0.9833%	0.0166%
(i.9) Thurman Gerald Cooper Heirs, Devisees, Successors or Assigns (1/81)			
(i.9.1) Bruce Michael Cooper Heirs, Devisees, Successors or Assigns			
(i.9.1.1) Teena Cooper P.O. Box 131 North Tazewell, VA 24630	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.9.2) Rita Gail Cooper 1065 Route 638 Trailer Park Road Oakwood, VA 24631-8946	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.9.3) Thelma G. Cooper 179 Bay Road Richlands, VA 24641	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.9.4) Teresa Lynn Rogers PO Box 1717 Richlands, VA 24641	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.9.5) Thurman G. Cooper, Jr. 5120 Hale Creek Road Pilgrims Knob, VA 24634	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.9.6) Terry Allen Cooper 17218 Ian Lane, Lot #10 Abingdon, VA 24210	0.044 acres 1/488 of 21.24 acres	0.0546%	0.0009%
(i.10) Billy Victor Cooper (1/81) <i>Pre-deceased Garnett Cole Cooper (mother)</i>			
(i.10.1) Karen Cooper Rowe P.O. Box 781 Hanover, WV 24839	0.131 acres 1/182 of 21.24 acres	0.1639%	0.0028%
(i.10.2) Sharon Cooper Daniels P.O. Box 1322 Shady Spring, WV 25918-1322	0.131 acres 1/182 of 21.24 acres	0.1639%	0.0028%
(i.11) Gary L. Cooper (1/81)	<i>Pre-deceased Garnett Cole Cooper (mother)</i>		

**Exhibit B**  
**Unit J-36**  
**Docket #VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**Buchanan County, VA**  
**List of all Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
(l.11.1) Melanie D. Cooper 1997 Rockhouse Road Paw Paw, KY 41553	0.087 acres 1/243 of 21.24 acres	0.1093%	0.0018%
(l.11.2) Corey S. Cooper 4455 Old Lesters Fork Road Grundy, VA 24614	0.087 acres 1/243 of 21.24 acres	0.1093%	0.0018%
(l.11.3) Byron D. Cooper P.O. Box 252 Vansant, VA 24656	0.087 acres 1/243 of 21.24 acres	0.1093%	0.0018%
<b><u>Tract #3A, 13.05 Acres</u></b>			
(1) Buck Jewell Resources, LLC * <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612 <i>1/6 Royalty</i>	13.05 acres	16.3125%	0.2749%
* NOTE: <i>Appalachian Energy (previously Virginia Gas Exploration Company) has leased the Oil, Gas and CBM (1/6th Royalty). This unit is included in the JOA between Pocahontas Gas LLC and Appalachian Energy. Pocahontas Gas LLC is the operator.</i>			
<b><u>Tract #3B, 15.28 Acres</u></b>			
(1) Buck Jewell Resources, LLC * <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612 <i>1/6 Royalty</i>	15.28 acres	19.1000%	0.3219%
** NOTE: <i>Retained acres under Appalachian Energy, Inc. lease of Oil &amp; Gas.</i> * NOTE: <i>Appalachian Energy (previously Virginia Gas Exploration Company) has leased the Oil, Gas and CBM (1/6th Royalty). This unit is included in the JOA between Pocahontas Gas LLC and Appalachian Energy. Pocahontas Gas LLC is the operator.</i>			
<b><u>Tract #3C, 0.02 Acres</u></b>			
(1) Buck Jewell Resources, LLC * <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612 <i>1/6 Royalty</i>	0.02 acres	0.0250%	0.0004%
* NOTE: <i>Appalachian Energy (previously Virginia Gas Exploration Company) has leased the Oil, Gas and CBM (1/6th Royalty). This unit is included in the JOA between Pocahontas Gas LLC and Appalachian Energy. Pocahontas Gas LLC is the operator.</i>			
<b><u>Tract #4, 0.01 Acres</u></b>			
(1) Jeanette Cantrell 1243 Horn Mountain Rd. Raven, VA 24639	0.01 acres	0.0125%	0.0002%
<b><u>Tract #5, 0.37 Acres</u></b>			
(1) Norfolk Southern Railway Company Real Estate Dept. - Attn: Ann Powell 1200 Peachtree Road; Box 165 Atlanta, GA 30309	0.37 acres	0.4625%	0.0078%
<b><u>Tract #6, 0.18 Acres</u></b>			
(1) Norfolk Southern Railway Company Real Estate Dept. - Attn: Ann Powell 1200 Peachtree Road; Box 165 Atlanta, GA 30309	0.18 acres	0.2250%	0.0038%
<b><u>Tract #7, 0.10 Acres</u></b>			
(1) Pocahontas Gas LLC 1000 Consol Energy Drive Canonsburg, PA 15317	0.10 acres	0.1250%	0.0021%
<b><u>Tract #8, 0.39 Acres</u></b>			
(1) Pocahontas Gas LLC 1000 Consol Energy Drive Canonsburg, PA 15317	0.39 acres	0.4875%	0.0082%

**Exhibit B-3**  
**Unit J-36**  
**Docket # VGOB 08-0318-2159-03**  
**Wells J36 (3/31/08), J36A (4/2/14), and J36B (7/13/11) (J36C plugged 1/3/2020)**  
**List of all Unleased Owners/Claimants**  
**CNX / AEI (JOA Area)**

	Acres in Unit	Percent of Unit	Div. of Int. in 11 East Panel
<b>II. OIL &amp; GAS OWNERSHIP</b>			
<b><u>Tract #2A, 13.34 Acres</u></b>			
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	13.34 acres	16.6750%	0.2810%
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns			
(d) Leonard P. Cole (1/9)			<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns			
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.445 acres 1/30 of 13.34 acres	0.5558%	0.0094%
Total Tract Acres	0.445		
Total Tract Percentage	0.5558%		
<b><u>Tract #2B, 21.24 Acres</u></b>			
Caroline Cole Keen, et al. <i>(Caroline Cole Gregory Heirs, Devisees, Successors or Assigns)</i> <i>(164.56 Acre Tract)</i>	21.24 acres	26.5500%	0.4474%
<b>** NOTE: Retained acres under Appalachian Energy, Inc. lease of Oil &amp; Gas. (Deemed leased by AEI JOA)</b>			
(1) Caroline Cole Gregory Heirs, Devisees, Successors or Assigns			
(d) Leonard P. Cole (1/9)			<i>Interest conveyed to B. W. McDonald and Lena McDonald by deed dated 6/14/72 (DB 207-254)</i>
(d.1) B. W. McDonald Heirs, Devisees, Successors or Assigns			
(d.1.1) B.W. McDonald Testamentary Trust PO Box 999 Prestonsburg, KY 41653	0.708 acres 1/30 of 21.24 acres	0.8850%	0.0149%
Total Tract Acres	0.708		
Total Tract Percentage	0.8850%		
<b><u>Tract #3A, 13.05 Acres</u></b>			
(1) Buck Jewell Resources, LLC *** <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612	13.05 acres	16.3125%	0.2749%
<b><u>Tract #3B, 15.28 Acres</u></b>			
(1) Buck Jewell Resources, LLC *** <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612	15.28 acres	19.1000%	0.3219%
<b><u>Tract #3C, 0.02 Acres</u></b>			
(1) Buck Jewell Resources, LLC *** <i>(100 Acre Tract)</i> PO Box 743 Doran, VA 24612	0.02 acres	0.0250%	0.0004%
<b>Total Unleased Oil &amp; Gas Estate</b>	<b>29.503</b>		
<b>Total Percentage</b>	<b>36.8783%</b>		

\*\*\*Note: The Oil & Gas is leased by Appalachian Energy

Company: **Pocahontas Gas Company LLC**

**Virginia Gas And Oil Template -- Estimated Authorization For Expenditure (AFE)  
Estimated Average Cost Per Well - 11 East Panel**

AFE #	N/A	Property #	N/A	Version #	
Well Name:	CBM J42C	Field:	Oakwood	Completed By:	Beverly Webb
Location:	Buchanan County	Operator:	Pocahontas Gas Company LLC	Date:	March 16, 2022
Expected Pay Zones:	Coal Seams below Tiller incl. Poca 3	Estimated Total Depth:	2,030 ft	AAPG Class:	CBM
Proposed Work:	To Drill, Complete, and Produce	Participant(s):	N/A	W.I.	Amount

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$1,000	\$0	\$1,000
		Permit / Title Opinion / Survey / Insurance	\$4,700	\$0	\$4,700
		Building Location	\$23,005	\$0	\$23,005
		Roads / Stone / Culverts	\$5,050	\$0	\$5,050
		Surface Damages	\$500	\$0	\$500
		Drilling - Footage	\$65,005	\$0	\$65,005
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface Casing	\$11,000	\$0	\$11,000
N		Cement Intermediate casing	\$15,995	\$0	\$15,995
T		Open Hole Logging & Testing	\$3,532	\$0	\$3,532
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	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$0	\$0
		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	\$2,500	\$2,500
		<b>TOTAL INTANGIBLES</b>	<b>\$129,787</b>	<b>\$0</b>	<b>\$132,287</b>

Code	Code	Description	Casing Point	Completion	Total Cost
T		22" Conductor	0 Ft	\$0	\$0
A		13 3/8" 26 lb/ft LS Surface Csg	18 Ft	\$243	\$243
N		7" 19 lb/ft LS Intermediate Csg	495 Ft	\$5,856	\$5,856
G		4 1/2" 9.5 lb/ft M-65 Production Csg	1,875 Ft	\$0	\$14,063
I		4 1/2" 10.5 lb/ft M-65 Production Csg	0 Ft	\$0	\$0
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	1,600 Ft	\$0	\$6,832
L		Wellhead Equipment / Fittings	\$0	\$9,000	\$9,000
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	\$0	\$0
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$16,746	\$16,746
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$0	\$0
		Sales line labor/mat/row	\$0	\$0	\$0
		<b>TOTAL TANGIBLES</b>			<b>\$67,739</b>

<b>GRAND TOTAL WELL COST</b>			<b>\$129,787</b>	<b>\$0</b>	<b>\$200,026</b>
153	115	Plugging & Abandonment	\$22,000		
<b>Production Costs :</b>			<b>\$200,026</b>	<b>Dry Hole Costs :</b>	<b>\$151,787</b>

Prepared by: Beverly Webb Title Senior Permitting Agent Date: 3/16/2022

**Wells: J36C, K43B, J41A, J39, J40B, J42 J41, J43B, J43C, J37A**  
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: **Pocahontas Gas Company LLC**

**Virginia Gas And Oil Template -- Estimated Authorization For Expenditure (AFE)  
Estimated Average Cost Per Well - 12 East Panel**

AFE #	N/A	Property #	N/A	Version #	
Well Name:	CBM J40A	Field:	Oakwood	Completed By:	Beverly Webb
Location:	Buchanan County	Operator:	Pocahontas Gas Company LLC	Date:	March 16, 2022
Expected Pay Zones:	Coal Seams below Tiller incl. Poca 3	Estimated Total Depth:	1,496 ft	AAPG Class:	CBM
Proposed Work:	To Drill, Complete, and Produce	Participant(s):	N/A	W.I.	Amount

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$1,000	\$0	\$1,000
		Permit / Title Opinion / Survey / Insurance	\$4,700	\$0	\$4,700
		Building Location	\$45,966	\$0	\$45,966
		Roads / Stone / Culverts	\$8,075	\$0	\$8,075
		Surface Damages	\$500	\$0	\$500
		Drilling - Footage	\$65,005	\$0	\$65,005
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface Casing	\$11,500	\$0	\$11,500
N		Cement Intermediate casing	\$15,895	\$0	\$15,895
T		Open Hole Logging & Testing	\$3,632	\$0	\$3,632
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	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$0	\$0
		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	\$2,500	\$2,500
		<b>TOTAL INTANGIBLES</b>	<b>\$156,273</b>	<b>\$0</b>	<b>\$158,773</b>

Code	Code	Description	Casing Point	Completion	Total Cost
T		22" Conductor	0 Ft	\$0	\$0
A		13 3/8" 26 lb/ft LS Surface Csg	16 Ft	\$216	\$216
N		7" 19 lb/ft LS Intermediate Csg	337 Ft	\$3,987	\$3,987
G		4 1/2" 9.5 lb/ft M-65 Production Csg	1,389 Ft	\$0	\$10,418
I		4 1/2" 10.5 lb/ft M-65 Production Csg	0 Ft	\$0	\$0
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	1,600 Ft	\$0	\$6,832
L		Wellhead Equipment / Fittings	\$0	\$9,000	\$9,000
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	\$0	\$0
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$16,746	\$16,746
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$0	\$0
		Sales line labor/mat/row	\$0	\$0	\$0
		<b>TOTAL TANGIBLES</b>			<b>\$62,198</b>

<b>GRAND TOTAL WELL COST</b>			<b>\$156,273</b>	<b>\$0</b>	<b>\$220,971</b>
153	115	Plugging & Abandonment	\$22,000		
			<b>Production Costs :</b>	<b>\$220,971</b>	<b>Dry Hole Costs :</b>
					<b>\$178,273</b>

Prepared by: \_\_\_\_\_ Title: Senior Permitting Agent Date: 3/16/2022

Wells: 141B, J37, J39B, J41B

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.

**ESTIMATE OF ALLOWABLE COSTS BY PANEL  
 Buchanan EAST PANELS**

<b>11 EAST WELL</b>	<b>WELL COST</b>	<b>12 EAST WELL</b>	
10 WELLS	\$200,026.00	4 WELLS	\$220,971.00
<b>TOTAL COST 11 EAST =</b>	<b>\$2,000,260.00</b>	<b>TOTAL COST 12 EAST =</b>	<b>\$883,884.00</b>

11 EAST LONGWALL ALLOCATION PER 80 ACRE UNIT

<b>UNIT</b>	<b>PANEL</b>	<b>ALLOCATION</b>	<b>TOTAL COST</b>	<b>COST ALLOCATION</b>
J-36	11 EAST	1.6851%	<b>\$2,000,260.00</b>	\$33,706.84
J-37	11 EAST	15.7653%	<b>\$2,000,260.00</b>	\$315,346.18
J-38	11 EAST	11.8494%	<b>\$2,000,260.00</b>	\$237,017.92
J-39	11 EAST	15.7385%	<b>\$2,000,260.00</b>	\$314,811.15
J-40	11 EAST	21.0614%	<b>\$2,000,260.00</b>	\$421,281.96
J-41	11 EAST	15.6743%	<b>\$2,000,260.00</b>	\$313,527.09
J-42	11 EAST	15.6743%	<b>\$2,000,260.00</b>	\$313,527.09
J-43	11 EAST	2.5518%	<b>\$2,000,260.00</b>	\$51,041.78
		<b>100.0000%</b>		<b>\$2,000,260.00</b>

12 EAST LONGWALL ALLOCATION PER 80 ACRE UNIT

<b>UNIT</b>	<b>PANEL</b>	<b>ALLOCATION</b>	<b>TOTAL COST</b>	<b>COST ALLOCATION</b>
I-36	12 EAST	0.0151%	<b>\$883,884.00</b>	\$133.31
I-37	12 EAST	0.2815%	<b>\$883,884.00</b>	\$2,488.44
I-38	12 EAST	0.6485%	<b>\$883,884.00</b>	\$5,732.29
I-39	12 EAST	1.0155%	<b>\$883,884.00</b>	\$8,976.15
I-40	12 EAST	1.3825%	<b>\$883,884.00</b>	\$12,220.00
I-41	12 EAST	1.7495%	<b>\$883,884.00</b>	\$15,463.86
I-42	12 EAST	2.1165%	<b>\$883,884.00</b>	\$18,707.72
I-43	12 EAST	0.6435%	<b>\$883,884.00</b>	\$5,687.86
J-36	12 EAST	4.6956%	<b>\$883,884.00</b>	\$41,503.58
J-37	12 EAST	14.7806%	<b>\$883,884.00</b>	\$130,642.95
J-38	12 EAST	14.5644%	<b>\$883,884.00</b>	\$128,732.19
J-39	12 EAST	14.2074%	<b>\$883,884.00</b>	\$125,577.20
J-40	12 EAST	13.8304%	<b>\$883,884.00</b>	\$122,244.48
J-41	12 EAST	13.4332%	<b>\$883,884.00</b>	\$118,734.00
J-42	12 EAST	13.0964%	<b>\$883,884.00</b>	\$115,756.77
J-43	12 EAST	3.5393%	<b>\$883,884.00</b>	\$31,283.21
		<b>100.0000%</b>		<b>\$883,884.00</b>

J-36	11 EAST	1.6851%	<b>\$2,000,260.00</b>	\$33,706.84
J-36	12 EAST	4.6956%	<b>\$883,884.00</b>	\$41,503.58

**Total for Unit J-36      \$75,210.41**

EXHIBIT C  
UNIT: J-36  
VGOB: 08-0318-2159  
ESTIMATED/ACTUAL COST

CODE	ITEM	AMOUNT / FT.	UNIT PRICE \$ / FT.	LABOR / MISC.	SUBTOTAL	TOTAL
101	Site Preparation				\$29,600.00	\$29,600.00
102	Survey & Permits				\$9,500.00	\$9,500.00
104	Gravel for Location				\$0.00	\$0.00
108	Row Clearing				\$0.00	\$0.00
111	Logging/Perf				\$0.00	\$0.00
111	A: Electric Logging - Top Hole	250	\$1.00	\$350.00	\$800.00	\$800.00
111	C: Electric Logging - Bottom Hole	1775	\$1.00	\$350.00	\$2,125.00	\$2,125.00
	D: Bond Logging				\$1,000.00	\$1,000.00
112	Rental Tools					\$0.00
114	Cement & Cement Svcs.				\$16,000.00	\$16,000.00
118	Drilling :					
118	A : DRILLING				\$55,855.00	\$55,855.00
	MOBILIZATION	0	\$1,575.00		\$0.00	\$0.00
	15" DRILLING	0	\$16.28		\$0.00	\$0.00
	CASING RUN	0	\$1.03		\$0.00	\$0.00
	12 1/4" DRILLING	0	\$16.28		\$0.00	\$0.00
	CASING RUN	0	\$0.77		\$0.00	\$0.00
	8 3/4" DRILLING	0	\$16.28		\$0.00	\$0.00
	CASING RUN	0	\$0.63		\$0.00	\$0.00
	8 1/2" DRILLING	0	\$16.28		\$0.00	\$0.00
	CASING RUN	0	\$0.53		\$0.00	\$0.00
	STANDBY	0	\$236.25		\$0.00	\$0.00
	DOZER	5	\$73.50		\$367.50	\$367.50
118A	B: CASING					
118B	1: 13 3/8"	0	\$36.80		\$0.00	\$0.00
118C	2: 9 5/8"	0	\$13.15		\$0.00	\$0.00
118D	3: 7"	0	\$8.10		\$0.00	\$0.00
120	Trucking				\$5,000.00	\$5,000.00
124	Packer w/ Fittings, Baffles				\$0.00	\$0.00
128	Pit Liner & Reclamation				\$5,300.00	\$5,300.00
130	Completion				\$71,794.00	\$71,794.00
132	Treatment (Frac)				\$15,000.00	\$15,000.00
134	Frac Water				\$0.00	\$0.00
138	Electrical Installation				\$22,500.00	\$22,500.00
178	Right of Way & Damages				\$5,000.00	\$5,000.00
186	Miscellaneous Labor				\$286.00	\$286.00
201	Production Casing	1798	\$6.00		\$11,868.90	\$11,868.90
203	Casing Other				\$18,257.00	\$18,257.00
205	Casing Head - 7" x 4 1/2"				\$418.85	\$418.85
205	Casing Head - 4 1/2" x 2 3/8"				\$193.29	\$193.29
207	Pumping Unit				\$10,088.00	\$10,088.00
209	Controlable Material				\$0.00	\$0.00
211	Tubing/Rods	1788	\$5.60		\$10,012.80	\$10,012.80
213	Pumping Unit Base				\$0.00	\$0.00
217	Downhole Pump				\$1,100.00	\$1,100.00
221	Brine Tank				\$0.00	\$0.00
223	Misc. Valves & Fittings				\$0.00	\$0.00
224	Well Pkges/Downhole Pump				\$3,089.00	\$3,089.00
225	Misc. Noncontrol Mat				\$0.00	\$0.00
228	Electrical Installation				\$0.00	\$0.00
264	Separator				\$0.00	\$0.00
268	Brine Tanks				\$0.00	\$0.00
268	Valves & Fittings				\$800.00	\$800.00
272	Installation of Pipe / Cof				\$0.00	\$0.00
	Collection				\$0.00	\$0.00
	<b>Total Project Cost - SSI</b>				<b>\$285,799.24</b>	<b>\$285,799.24</b>

Well: J36

Note: The costs in bold are "actual" costs.

Permit No.: 8778

Total Depth: 2025 ft. actual

Prepared By:

*Justin V. Ruyter*

Date:

*2/11/08*

2/11/2008

Company: **Pocahontas Gas Company LLC**

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

AFE #	N/A	Property #	N/A	Version #	
Well Name:	CBM J36A	Field:	Oakwood	Completed By:	Beverly Webb
Location:	Buchanan County	Operator:	Pocahontas Gas Company LLC	Date:	March 3, 2022
Expected Pay Zones:	Coal Seams below Tiller incl. Poca 3	Estimated Total Depth:	1,775 ft	AAPG Class:	CBM
Proposed Work:	To Drill, Complete, and Produce	Participant(s):	N/A	W.I.	Amount

Gen	Sub	Description	Casing Point	Completion	Total Cost	
		Leasehold Costs	\$1,000	\$0	\$1,000	
		Permit / Title Opinion / Survey / Insurance	\$4,700	\$0	\$4,700	
		Building Location	\$46,283	\$0	\$46,283	
		Roads / Stone / Culverts	\$26,722	\$0	\$26,722	
		Surface Damages	\$500	\$0	\$500	
		Drilling - Footage	\$68,000	\$0	\$68,000	
		Drilling - Mobilization	\$0	\$0	\$0	
		Drilling - Dayrate	\$0	\$0	\$0	
		Mud & Chemicals (Drilling)	\$0	\$0	\$0	
		Fuel	\$0	\$0	\$0	
I		Cement Surface Casing	\$11,000	\$0	\$11,000	
N		Cement Intermediate casing	\$16,500	\$0	\$16,500	
T		Open Hole Logging & Testing	\$4,000	\$0	\$4,000	
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	\$0	\$0	
		Trucking / Dozer (Completion)	\$0	\$0	\$0	
		Technical Supervision (Completion)	\$0	\$0	\$0	
		Cased Hole Logging / Perforating	\$0	\$0	\$0	
		Stimulation / Fracturing	\$0	\$0	\$0	
		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	\$2,500	\$2,500	
		<b>TOTAL INTANGIBLES</b>	<b>\$178,705</b>	<b>\$0</b>	<b>\$181,205</b>	
Code	Code	Description	Casing Point	Completion	Total Cost	
T		22" Conductor	20 Ft	\$2,000	\$0	\$2,000
A		13 3/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0	\$0
N		7" 19 lb/ft LS Intermediate Csg	253 Ft	\$2,993	\$0	\$2,993
G		4 1/2" 9.5 lb/ft M-65 Production Csg	1,551 Ft	\$0	\$11,633	\$11,633
I		4 1/2" 10.5 lb/ft M-65 Production Csg	0 Ft	\$0	\$0	\$0
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	1,600 Ft	\$0	\$6,832	\$6,832
L		Wellhead Equipment / Fittings	\$0	\$9,000	\$9,000	\$9,000
E		Tank Battery	\$0	\$0	\$0	\$0
S		Separator / Heater / Treater	\$0	\$15,000	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$0	\$0	\$0
		Downhole Pump	\$0	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$16,746	\$16,746	\$16,746
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$0	\$0	\$0
		Sales line labor/mat/row	\$0	\$0	\$0	\$0
		<b>TOTAL TANGIBLES</b>				<b>\$64,203</b>
<b>GRAND TOTAL WELL COST</b>			<b>\$178,705</b>	<b>\$0</b>	<b>\$245,408</b>	
153	115	Plugging & Abandonment	\$22,000			
			<b>Production Costs :</b>	<b>\$245,408</b>	<b>Dry Hole Costs :</b>	<b>\$200,705</b>

Prepared by: Beverly Webb Title: Senior Permitting Agent Date: 3/11/2022

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 C  
 UNIT: J36/ Well CBM-J36B  
 VGOB: 08-0318-2159-01  
 ESTIMATED/ACTUAL COST

CODE	ITEM	AMOUNT / FT.	UNIT PRICE \$ / FT.	LABOR / MISC.	SUBTOTAL	TOTAL
101	Site Preparation				\$44,000.00	\$44,000.00
102	Survey & Permits				\$9,500.00	\$9,500.00
104	Gravel for Location				\$0.00	\$0.00
108	Row Clearing				\$0.00	\$0.00
111	Logging/Perf				\$0.00	\$0.00
111	A: Electric Logging - Top Hole	250	\$1.25	\$350.00	\$862.50	\$662.50
111	C: Electric Logging - Bottom Hole	1744	\$1.25	\$350.00	\$2,530.00	\$2,530.00
	D: Bond Logging				\$1,000.00	\$1,000.00
112	Rental Tools				\$0.00	\$0.00
114	Cement & Cement Svcs.				\$14,900.00	\$14,900.00
116	Drilling :					
116	A : DRILLING					
	MOBILIZATION	1	\$1,850.00		\$1,850.00	\$1,850.00
	15" DRILLING	25	\$17.58		\$439.50	\$439.50
	CASING RUN	25	\$1.03		\$25.75	\$25.75
	12 1/4" DRILLING	0	\$17.58		\$0.00	\$0.00
	CASING RUN	0	\$0.85		\$0.00	\$0.00
	8 3/4" DRILLING	349	\$17.58		\$6,135.42	\$6,135.42
	CASING RUN	374	\$0.85		\$317.90	\$317.90
	6 1/2" DRILLING	1820	\$17.58		\$28,479.60	\$28,479.60
	CASING RUN	0	\$0.57		\$0.00	\$0.00
	STANDBY	0	\$255.15		\$0.00	\$0.00
	DOZER	5	\$75.00		\$375.00	\$375.00
116A	B : CASING					
116B	1:13 3/8"	0	\$57.25		\$0.00	\$0.00
116C	2: 9 5/8"	0	\$17.40		\$0.00	\$0.00
116D	3: 7"	374	\$12.30		\$4,600.20	\$4,600.20
120	Trucking				\$5,000.00	\$5,000.00
124	Packer w/ Filings,Baffles				\$0.00	\$0.00
128	Pit Liner & Reclamation				\$5,300.00	\$5,300.00
130	Completion				\$12,500.00	\$12,500.00
132	Treatment (Frac)				\$72,000.00	\$72,000.00
134	Frac Water				\$0.00	\$0.00
138	Electrical Installation				\$22,500.00	\$22,500.00
178	Right of Way & Damages				\$5,000.00	\$5,000.00
186	Miscellaneous Labor				\$286.00	\$286.00
201	Production Casing	1629	\$9.40		\$15,312.60	\$15,312.60
203	Casing Other				\$0.00	\$0.00
205	Casing Head - 7" x 4 1/2"				\$416.85	\$416.85
205	Casing Head - 4 1/2" x 2 3/8"				\$193.29	\$193.29
207	Pumping Unit				\$10,098.00	\$10,098.00
209	Controllable Material				\$0.00	\$0.00
211	Tubing/Rods	1619	\$7.80		\$12,628.20	\$12,628.20
213	Pumping Unit Base				\$0.00	\$0.00
217	Downhole Pump				\$1,100.00	\$1,100.00
221	Brine Tank				\$0.00	\$0.00
223	Misc. Valves & Fittings				\$0.00	\$0.00
224	Well Piges/Downhole Pump				\$3,088.00	\$3,088.00
225	Misc. Noncontrol Mat				\$0.00	\$0.00
228	Electrical Installation				\$0.00	\$0.00
264	Separator				\$0.00	\$0.00
268	Brine Tanks				\$0.00	\$0.00
268	Valves & Fittings				\$800.00	\$800.00
272	Installation of Pipe / Coil				\$0.00	\$0.00
	Collection				\$0.00	\$0.00
	<b>Total Project Cost - SSI</b>				<b>\$280,839.81</b>	<b>\$280,839.81</b>

Well: J36B

Note: The costs in bold are "actual" costs.

Permit No.: 9521

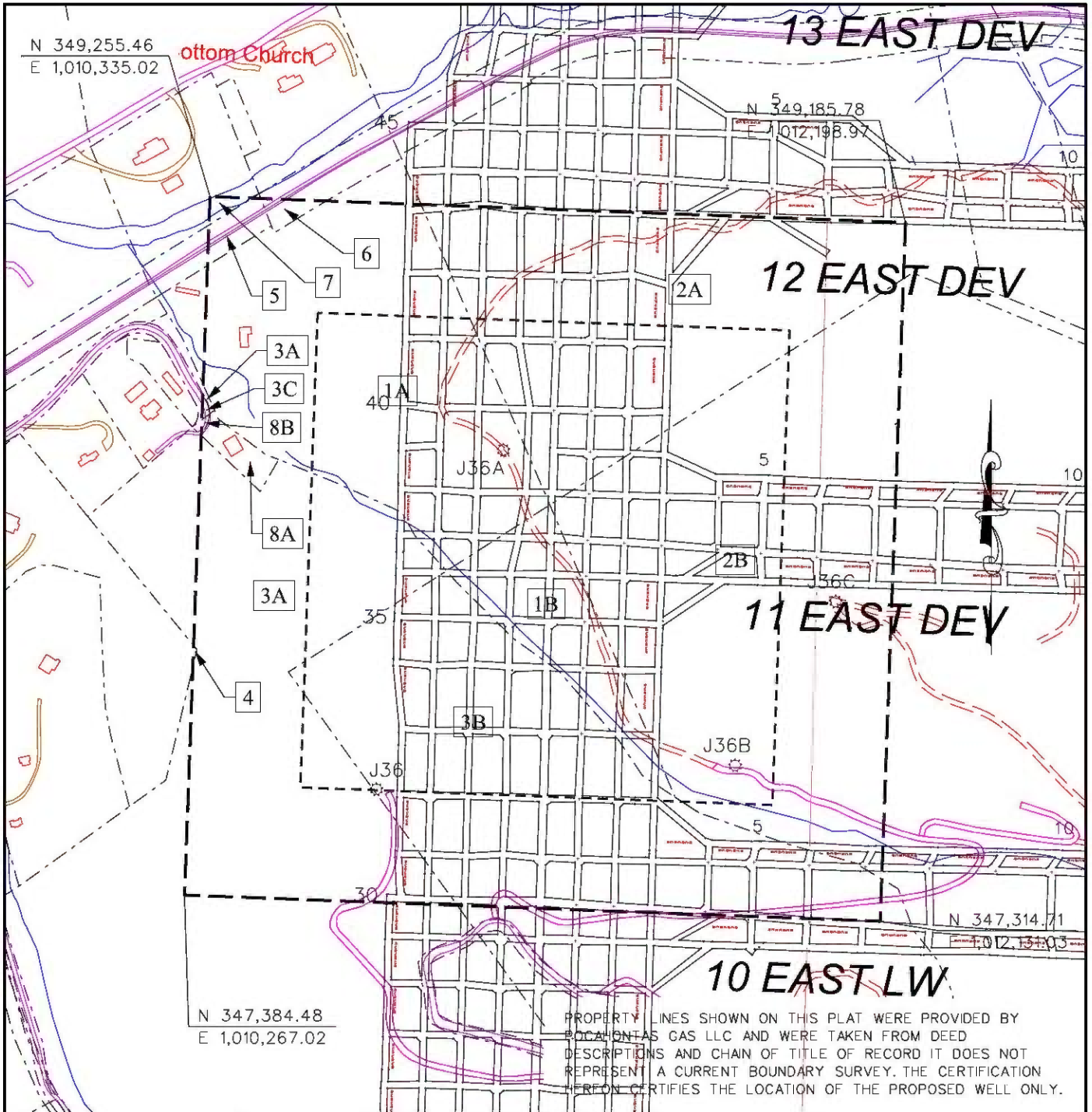
Total Depth: 1994 ft. estimated

Prepared By:

*Audie K. Conroy*

Date:

*8/13/07*



CBM WELL  
 PROPOSED CBM WELL

EXHIBIT A  
 OAKWOOD FIELD  
 UNIT J36  
 FORCE POOLING  
 VGOB-08-0318-2159-03

Company POCAHONTAS GAS LLC Well Name and Number UNIT J36  
 Tract No. \_\_\_\_\_ Elevation \_\_\_\_\_ Quadrangle Keen Mountain  
 County Buchanan District \_\_\_\_\_ Garden \_\_\_\_\_ Scale: 1" = 400' Date \_\_\_\_\_  
 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