

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO.: VGOB 17-0620-4125

RELIEF SOUGHT: POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: June 20, 2017

UNIT NUMBER: U-80
IN THE NORA COALBED METHANE GAS FIELD I

BUCHANAN COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 627 Claypool Hill Mall Road, 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:** Pooling under Nora Coalbed Methane Gas Field I.

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

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

5. **Permit numbers, if any:**

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:

Archibald "Archie" B. Ratliff Heirs, Devisees, Successors or Assigns including Linette Moore, Curtis J. Ratliff and June Loo

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: \$715,835.00 (Well U80 \$360,580.00 & U80A \$355,255.00)** See Exhibit C which estimates/reports the costs associated with two frac wells. To the extent additional wells may be required by mine plans in the Buchanan No. 1 Mine, the costs of any such additional wells as may be permitted by the Division of Gas and Oil, in accordance with the provisions of §45.1-361.20.C., Code of Virginia, will not be allocated for frac well production to the subject unit by the Operator.

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

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

By: _____



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

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO. VGOB 17-0620-4125

RELIEF SOUGHT: POOLING

UNIT NUMBER: U-80

NOTICE OF HEARING

HEARING DATE: June 20, 2017
PLACE: Russell County Conference Center
135 Highlands Drive
Lebanon, Virginia 24266
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Archibald "Archie" B. Ratliff Heirs, Devisees, Successors or Assigns including Linette Moore, Curtis J. Ratliff and June Loo*

1. **Applicant and its counsel:** Applicant is **CNX Gas Company LLC**, 627 Claypool Hill Mall Road, 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:** 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 OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.

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

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

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

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

9. **Estimate of allowable costs:** **\$715,835.00 (Well U80 \$360,580.00 & U80A \$355,255.00)**

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

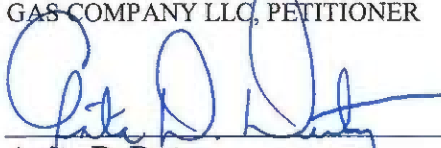
NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at 9:00 AM, on **June 20, 2017**, at the Russell County Government Conference Center, 139 Highlands Drive, Lebanon, Virginia 24266, and that notice will be published as required by law and the Rules of the Board.

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

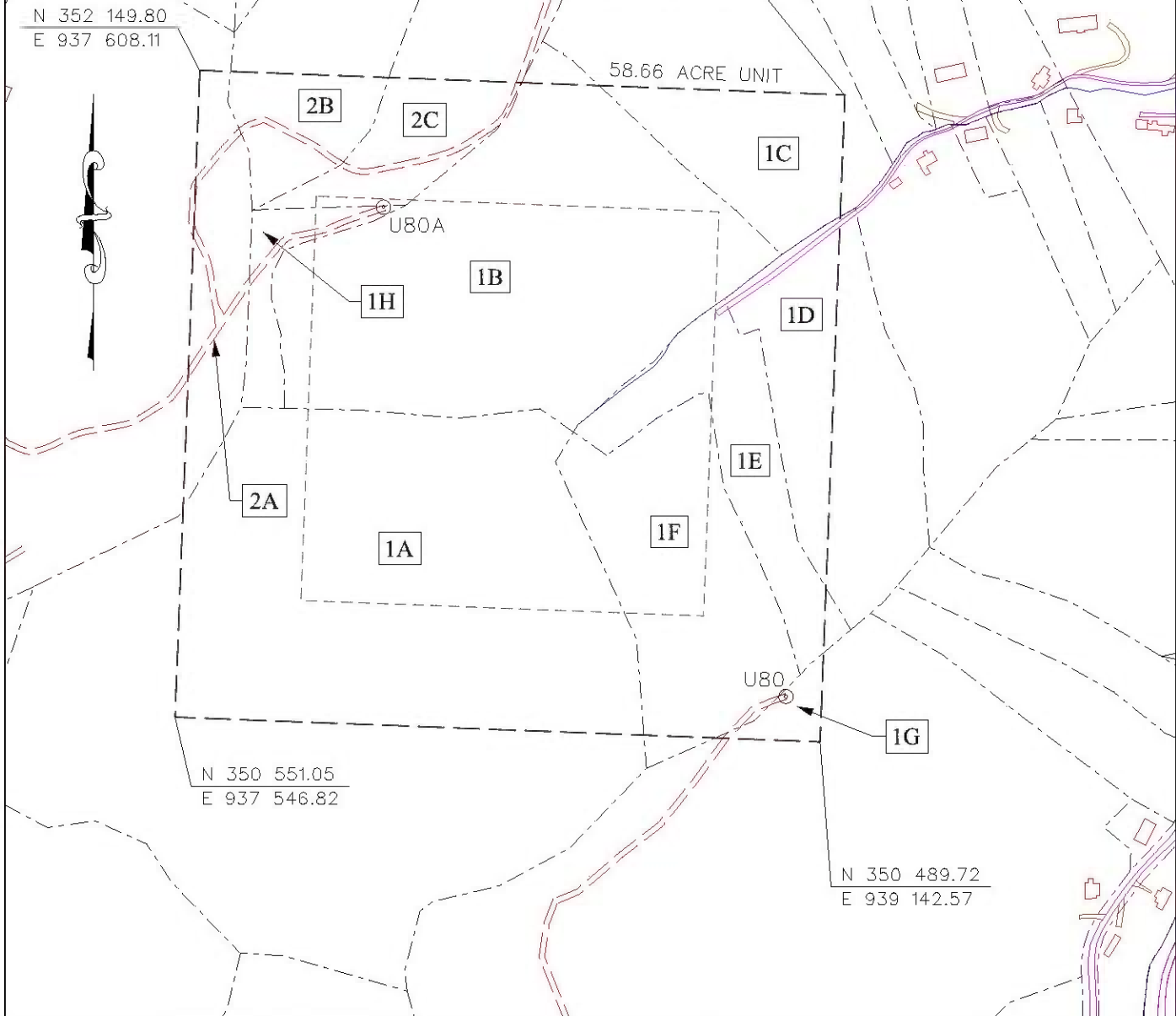
DATED: 4/28/17

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

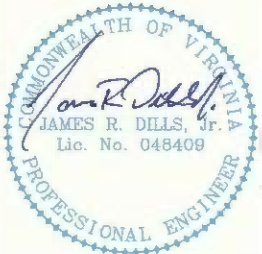
By: _____


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

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



- CBM WELL
- PROPOSED CBM WELL



Digitally signed by James R Dills Jr.
 DN: c=US, o=IdenTrust ACES
 Business Representative, ou=D. R.
 PRICE ENGINEERING AND LAND
 SURVEYING INC PC, cn=James R
 Dills Jr.,
 0.9.2342.19200300.100.1.1=A0109
 690000012E01701153000027EA
 Date: 2017.04.28 08:38:05 -04'00'

EXHIBIT A
 NORA FIELD
 UNIT U80
 FORCE POOLING
 VGOB-17-0620-4125

Company CNX Gas Company LLC Well Name and Number UNIT U80
 Tract No. _____ Elevation _____ Quadrangle PRATER
 County BUCHANAN District ROCK LICK/SOUTH GRUNDY 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

**CNX Gas Company LLC
UNIT U80
Tract Identifications**

1. Bull Creek Coal Company, LP (William Matney - 424.00 Acre Tract) –Minerals
Island Creek Company – Coal in and Below P-6 Seam Leased
Black Diamond Company – Coal in Splashdam and Above Seams Leased
Revelation Energy, LLC – Coal in Kennedy Seam Leased
Enervest Energy Institutional Fund XIV-A, L.P., et al - Oil and Gas Leased
CNX Gas Company LLC – CBM Leased
51.57 Acres 87.9134%

1A. Unknown Surface Owner
1B. Unknown Surface Owner
1C. Unknown Surface Owner
1D. Unknown Surface Owner
1E. Unknown Surface Owner
1F. Raymond Ratliff – Surface
1G. Euna Boyd Heirs – Surface
1H. Unknown Surface Owner

- 2A. Bull Creek Coal Company, LP (Fredrick Ratliff - 395.37 Acre Tract) – Coal
Island Creek Company – Coal in and Below P-6 Seam Leased
Black Diamond Company – Coal in Splashdam and Above Seams Leased
Revelation Energy, LLC – Coal in Kennedy Seam Leased
Archibald “Archie” B. Ratliff Heirs – Oil and Gas
2.84 Acres 4.8415%

- 2B. Bull Creek Coal Company, LP (Fredrick Ratliff - 395.37 Acre Tract) – Coal
Island Creek Company – Coal in and Below P-6 Seam Leased
Black Diamond Company – Coal in Splashdam and Above Seams Leased
Revelation Energy, LLC – Coal in Kennedy Seam Leased
Jerry Clevinger – Surface, Oil and Gas
CNX Gas Company LLC – Oil, Gas and CBM Leased
1.98 Acres 3.3754%

- 2C. Bull Creek Coal Company, LP (Fredrick Ratliff - 395.37 Acre Tract) – Coal
Island Creek Company – Coal in and Below P-6 Seam Leased
Black Diamond Company – Coal in Splashdam and Above Seams Leased
Revelation Energy, LLC – Coal in Kennedy Seam Leased
Clarence A. Clevinger, et ux – Surface, Oil and Gas
CNX Gas Company LLC – Oil, Gas and CBM Leased
2.27 Acres 3.8697%

"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 U-80
VGOB# 17-0620-4125
List of all Owners/Claimants
(58.66 Acre Unit)

| | Acres in Unit | Percent of Unit |
|--|---------------|--------------------|
| I. COAL OWNERSHIP | | |
| <u>Tract #1, 51.57 Acres</u> | | |
| (1) Bull Creek Coal Company <i>(William Matney - 424.00 Acre Tract)</i> P.O. Box 187 Tazewell, VA 24651 | 51.57 acres | 87.9134% |
| <u>Tract #2A, 2.84 Acres</u> | | |
| (1) Bull Creek Coal Company <i>(Fredrick Ratliff - 395.37 Acre Tract)</i> P.O. Box 187 Tazewell, VA 24651 | 2.84 acres | 4.8415% |
| <u>Tract #2B, 1.98 Acres</u> | | |
| (1) Bull Creek Coal Company <i>(Fredrick Ratliff - 395.37 Acre Tract)</i> P.O. Box 187 Tazewell, VA 24651 | 1.98 acres | 3.3754% |
| <u>Tract #2C, 2.27 Acres</u> | | |
| (1) Bull Creek Coal Company <i>(Fredrick Ratliff - 395.37 Acre Tract)</i> P.O. Box 187 Tazewell, VA 24651 | 2.27 acres | 3.8698% |
| II. OIL & GAS OWNERSHIP | | |
| <u>Tract #1, 51.57 Acres</u> | | |
| (1) Bull Creek Coal Company <i>(William Matney - 424.00 Acre Tract)</i> P.O. Box 187 Tazewell, VA 24651 | 51.57 acres | 87.9134% |
| <i>Oil & Gas Estates leased by Enervest Energy Institutional Fund XIV-A, LP, et al</i> | | |
| <u>Tract #2A, 2.84 Acres</u> | | |
| (1) Archibald "Archie" B. Ratliff Heirs, Devisees, Successors or Assigns | 2.84 acres | 4.8415% |
| (a) Evelyn Mary Ratliff Heirs, Devisees, Successors or Assigns | | |
| (a.1) Linette Moore 6707 N. corte Calabaza Tucson, AZ 85704 | | |
| (a.2) Curtis J. Ratliff 1160 Topeka St Kingman, AZ 86401 | | |
| (a.3) June Loo 2395 W. 5th Plaza Yuma, AZ 85364 | | |
| <u>Tract #2B, 1.98 Acres</u> | | |
| (1) Jerry Clevinger 1359 Dicks Branch Rd Vansant, VA 24656 | 1.98 acres | 3.3754% |
| <u>Tract #2C, 2.27 Acres</u> | | |
| (1) Clarence A. & Surbrena Carol Clevinger, et ux 1071 Avocado Rd Grundy, VA 24614 | 2.27 acres | 3.8698% |

Exhibit B-3
Unit U-80
VGOB# 17-0620-4125
List of Unleased Owners/Claimants
(58.66 Acre Unit)

| | Acres in Unit | Percent of Unit |
|--|---------------|--------------------|
|--|---------------|--------------------|

II. OIL & GAS OWNERSHIP

Tract #2A, 2.84 Acres

| | | |
|--|------------|---------|
| (1) Archibald "Archie" B. Ratliff Heirs, Devisees, Successors or Assigns <i>(Documentation Pending on Heirs)</i> | 2.84 acres | 4.8415% |
| | | |
| (a) Evelyn Mary Ratliff Heirs, Devisees, Successors or Assigns | | |
| | | |
| (a.1) Linette Moore 6707 N. corte Calabaza Tucson, AZ 85704 | | |
| | | |
| (a.2) Curtis J. Ratliff 1160 Topeka St Kingman, AZ 86401 | | |
| | | |
| (a.3) June Loo 2395 W. 5th Plaza Yuma, AZ 85364 | | |

UNLEASED OIL & GAS OWNERS:

| | | |
|--------------------|--------|---------|
| Acres in Unit | 2.8400 | |
| Percentage of Unit | | 4.8415% |

Company: CNX Gas Company LLC

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

| | | | | | |
|---------------------|---|------------------------|---------------------|---------------|-------------|
| AFE # | N/A | Property # | N/A | Version # | |
| Well Name: | U80 | Field: | Oakwood | Completed By: | R.E. Staton |
| Location: | Buchanan County | Operator: | CNX Gas Company LLC | Date: | 4/24/17 |
| Expected Pay Zones: | coal seams below Tiller Incl. Poca 3 and Squire | Estimated Total Depth: | 2,500 ft | AAPG Class: | CBM |
| Proposed Work: | To drill, complete, and produce | Participant(s): | N/A | W.I. | |

| Gen | Sub | Description | Casing Point | Completion | Total Cost |
|-----|-----|---|------------------|-----------------|------------------|
| | | Leasehold Costs | \$0 | \$0 | \$0 |
| | | Permit / Title Opinion / Survey / Insurance | \$5,300 | \$0 | \$5,300 |
| | | Building Location | \$50,000 | \$0 | \$50,000 |
| | | Roads / Stone / Culverts | \$36,000 | \$0 | \$36,000 |
| | | Surface Damages | \$0 | \$0 | \$0 |
| | | Drilling - Footage | \$65,000 | \$0 | \$65,000 |
| | | Drilling - Mobilization | \$0 | \$0 | \$0 |
| | | Drilling - Dayrate | \$0 | \$0 | \$0 |
| | | Mud & Chemicals (Drilling) | \$0 | \$0 | \$0 |
| | | Fuel | \$0 | \$0 | \$0 |
| | | Cement Surface casing | \$3,000 | \$0 | \$3,000 |
| | | Cement Intermediate casing | \$5,700 | \$0 | \$5,700 |
| | | Open Hole Logging & Testing | \$4,200 | \$0 | \$4,200 |
| | | 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 | \$3,000 | \$3,000 |
| | | Location Rds/Stone/Culverts | \$0 | \$0 | \$0 |
| | | Trucking / Dozer (Completion) | \$0 | \$0 | \$0 |
| | | Technical Supervision (Completion) | \$0 | \$0 | \$0 |
| | | Cased Hole Logging / Perforating | \$0 | \$0 | \$0 |
| | | Stimulation / Fracturing | \$0 | \$82,000 | \$82,000 |
| | | Completion Rig | \$0 | \$0 | \$0 |
| | | Reclamation & Damages | \$0 | \$0 | \$0 |
| | | Haul Pit Water / Disposal | \$0 | \$0 | \$0 |
| | | Cement Production Casing | \$0 | \$0 | \$0 |
| | | Rental Tools & Equipment (Completion) | \$0 | \$0 | \$0 |
| | | Fresh Water Hauling (Completion) | \$0 | \$0 | \$0 |
| | | Roustabout Labor | \$0 | \$3,800 | \$3,800 |
| | | TOTAL INTANGIBLES | \$169,200 | \$88,800 | \$258,000 |

| Code | Code | Description | Casing Point | Completion | Total Cost |
|------|------|--|-----------------|-----------------|------------------|
| | | 13 3/8" Conductor | 75 Ft | \$7,500 | \$7,500 |
| | | 9 5/8" 26 lb/ft LS Surface Csg | 0 Ft | \$0 | \$0 |
| | | 7" 19 lb/ft LS Intermediate Csg | 350 Ft | \$4,141 | \$4,141 |
| | | 4 1/2" 9.5 lb/ft M-65 Production Csg | 2,400 Ft | \$18,000 | \$18,000 |
| | | 4 1/2" 10.5 lb/ft M-65 Production Csg | 20 Ft | \$1,200 | \$1,200 |
| | | 2-3/8" 4.7 lb/ft J55 8rd Production Tubing | 2,275 Ft | \$0 | \$16,539 |
| | | Wellhead Equipment / Fittings | \$0 | \$6,200 | \$6,200 |
| | | Tank Battery | \$0 | \$0 | \$0 |
| | | Separator / Heater / Treater | \$0 | \$15,000 | \$15,000 |
| | | Gas Lift Equipment | \$0 | \$0 | \$0 |
| | | Rods / Stuffing Box | \$0 | \$13,000 | \$13,000 |
| | | Downhole Pump | \$0 | \$0 | \$0 |
| | | Pumping Unit / Motor | \$0 | \$11,000 | \$11,000 |
| | | SS EQT-Packer,PF,FC,Nip | \$0 | \$0 | \$0 |
| | | Valves & Fittings | \$0 | \$0 | \$0 |
| | | Flow Line labor/material | \$0 | \$5,000 | \$5,000 |
| | | Sales line labor/mat/row | \$0 | \$5,000 | \$5,000 |
| | | TOTAL TANGIBLES | \$30,841 | \$71,739 | \$102,580 |

| | | | | | |
|------------------------------|-----|------------------------|---------------------------|------------------|-------------------------|
| GRAND TOTAL WELL COST | | | \$200,041 | \$160,539 | \$360,580 |
| 153 | 115 | Plugging & Abandonment | \$25,000 | | |
| | | | Production Costs : | \$360,580 | Dry Hole Costs : |
| | | | | | \$225,041 |

Prepared by: Bob Staton Title Permit Agent Date 4/24/17

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

Company: CNX Gas Company LLC

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

| | | | | | |
|---------------------|---|------------------------|---------------------|---------------|-------------|
| AFE # | N/A | Property # | N/A | Version # | |
| Well Name: | U80A | Field: | Oakwood | Completed By: | R.E. Stator |
| Location: | Buchanan County | Operator: | CNX Gas Company LLC | Date: | 4/24/17 |
| Expected Pay Zones: | coal seams below Tiller incl. Poca 3 and Squire | Estimated Total Depth: | 2,500 ft | AAPG Class: | CBM |
| Proposed Work: | To drill, complete, and produce | Participant(s): | N/A | W.I. | |

| Gen | Sub | Description | Casing Point | Completion | Total Cost |
|-----|-----|---|------------------|-----------------|------------------|
| | | Leasehold Costs | \$0 | \$0 | \$0 |
| | | Permit / Title Opinion / Survey / Insurance | \$5,300 | \$0 | \$5,300 |
| | | Building Location | \$45,000 | \$0 | \$45,000 |
| | | Roads / Stone / Culverts | \$35,000 | \$0 | \$35,000 |
| | | Surface Damages | \$0 | \$0 | \$0 |
| | | Drilling - Footage | \$65,000 | \$0 | \$65,000 |
| | | Drilling - Mobilization | \$0 | \$0 | \$0 |
| | | Drilling - Dayrate | \$0 | \$0 | \$0 |
| | | Mud & Chemicals (Drilling) | \$0 | \$0 | \$0 |
| | | Fuel | \$0 | \$0 | \$0 |
| | | Cement Surface casing | \$3,000 | \$0 | \$3,000 |
| | | Cement Intermediate casing | \$5,700 | \$0 | \$5,700 |
| | | Open Hole Logging & Testing | \$4,200 | \$0 | \$4,200 |
| | | 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 | \$3,000 | \$3,000 |
| | | Location Rds/Stone/Culverts | \$0 | \$0 | \$0 |
| | | Trucking / Dozer (Completion) | \$0 | \$0 | \$0 |
| | | Technical Supervision (Completion) | \$0 | \$0 | \$0 |
| | | Cased Hole Logging / Perforating | \$0 | \$0 | \$0 |
| | | Stimulation / Fracturing | \$0 | \$82,000 | \$82,000 |
| | | Completion Rig | \$0 | \$0 | \$0 |
| | | Reclamation & Damages | \$0 | \$0 | \$0 |
| | | Haul Pit Water / Disposal | \$0 | \$0 | \$0 |
| | | Cement Production Casing | \$0 | \$0 | \$0 |
| | | Rental Tools & Equipment (Completion) | \$0 | \$0 | \$0 |
| | | Fresh Water Hauling (Completion) | \$0 | \$0 | \$0 |
| | | Roustabout Labor | \$0 | \$3,800 | \$3,800 |
| | | TOTAL INTANGIBLES | \$163,200 | \$88,800 | \$252,000 |

| Code | Code | Description | Quantity | Unit | Casing Point | Completion | Total Cost |
|------|------|--|----------|------|-----------------|-----------------|------------------|
| | | 13 3/8" Conductor | 75 | Ft | \$7,500 | \$0 | \$7,500 |
| | | 9 5/8" 26 lb/ft LS Surface Csg | 0 | Ft | \$0 | \$0 | \$0 |
| | | 7" 19 lb/ft LS Intermediate Csg | 360 | Ft | \$4,259 | \$0 | \$4,259 |
| | | 4 1/2" 9.5 lb/ft M-65 Production Csg | 2,450 | Ft | \$18,375 | \$0 | \$18,375 |
| | | 4 1/2" 10.5 lb/ft M-65 Production Csg | 20 | Ft | \$1,200 | \$0 | \$1,200 |
| | | 2-3/8" 4.7 lb/ft J55 8rd Production Tubing | 2,300 | Ft | \$0 | \$16,721 | \$16,721 |
| | | Wellhead Equipment / Fittings | | | \$0 | \$6,200 | \$6,200 |
| | | Tank Battery | | | \$0 | \$0 | \$0 |
| | | Separator / Heater / Treater | | | \$0 | \$15,000 | \$15,000 |
| | | Gas Lift Equipment | | | \$0 | \$0 | \$0 |
| | | Rods / Stuffing Box | | | \$0 | \$13,000 | \$13,000 |
| | | Downhole Pump | | | \$0 | \$0 | \$0 |
| | | Pumping Unit / Motor | | | \$0 | \$11,000 | \$11,000 |
| | | SS EQT-Packer, PF, FC, Nip | | | \$0 | \$0 | \$0 |
| | | Valves & Fittings | | | \$0 | \$0 | \$0 |
| | | Flow Line labor/material | | | \$0 | \$5,000 | \$5,000 |
| | | Sales line labor/material | | | \$0 | \$5,000 | \$5,000 |
| | | TOTAL TANGIBLES | | | \$31,334 | \$71,921 | \$103,255 |

| | | | | | |
|------------------------------|-----|------------------------|---------------------------|------------------|-------------------------|
| GRAND TOTAL WELL COST | | | \$194,534 | \$160,721 | \$355,255 |
| 153 | 115 | Plugging & Abandonment | \$25,000 | | |
| | | | Production Costs : | \$355,255 | Dry Hole Costs : |
| | | | | | \$219,534 |

Prepared by: Bob Stator Title: Permit Agent Date: 4/24/17

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 U-80
VGOB# 17-0620-4125
List of Respondents to be Escrowed
(58.66 Acre Unit)

| | Acres in Unit | Percent of Unit |
|--|---------------|--------------------|
|--|---------------|--------------------|

Tract #2A, 2.84 Acres

OIL & GAS OWNERSHIP

Unresolved heirship

| | | |
|--|------------|---------|
| (1) Archibald "Archie" B. Ratliff Heirs, Devisees, Successors or Assigns <i>(Documentation Pending on Heirs)</i> | 2.84 acres | 4.8415% |
| | | |
| (a) Evelyn Mary Ratliff Heirs, Devisees, Successors or Assigns | | |
| | | |
| (a.1) Linette Moore 6707 N. corte Calabaza Tucson, AZ 85704 | | |
| | | |
| (a.2) Curtis J. Ratliff 1160 Topeka St Kingman, AZ 86401 | | |
| | | |
| (a.3) June Loo 2395 W. 5th Plaza Yuma, AZ 85364 | | |

Total

| | |
|--------------------|---------|
| Acres in Unit | 2.84 |
| Percentage of Unit | 4.8415% |

May 2, 2017

Department of Mines, Minerals and Energy
Division of Gas and Oil
Attn: Rick Cooper, *Director*
135 Highlands Drive
Lebanon, VA 24266

Re: CBM Well Application U80

Dear Mr. Cooper;

CNX Gas Company LLC is requesting a location exception for the above referenced proposed well. The proposed well cannot be located within the drilling window due to excessively steep topography and residential structures surrounded by sloping topography. These conditions would not be safe for construction personnel, equipment and the residential public. The proposed well is approximately 285 feet outside of the drilling window.

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

Sincerely,

Bob Staton

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

Cc: Anita Duty, file U80

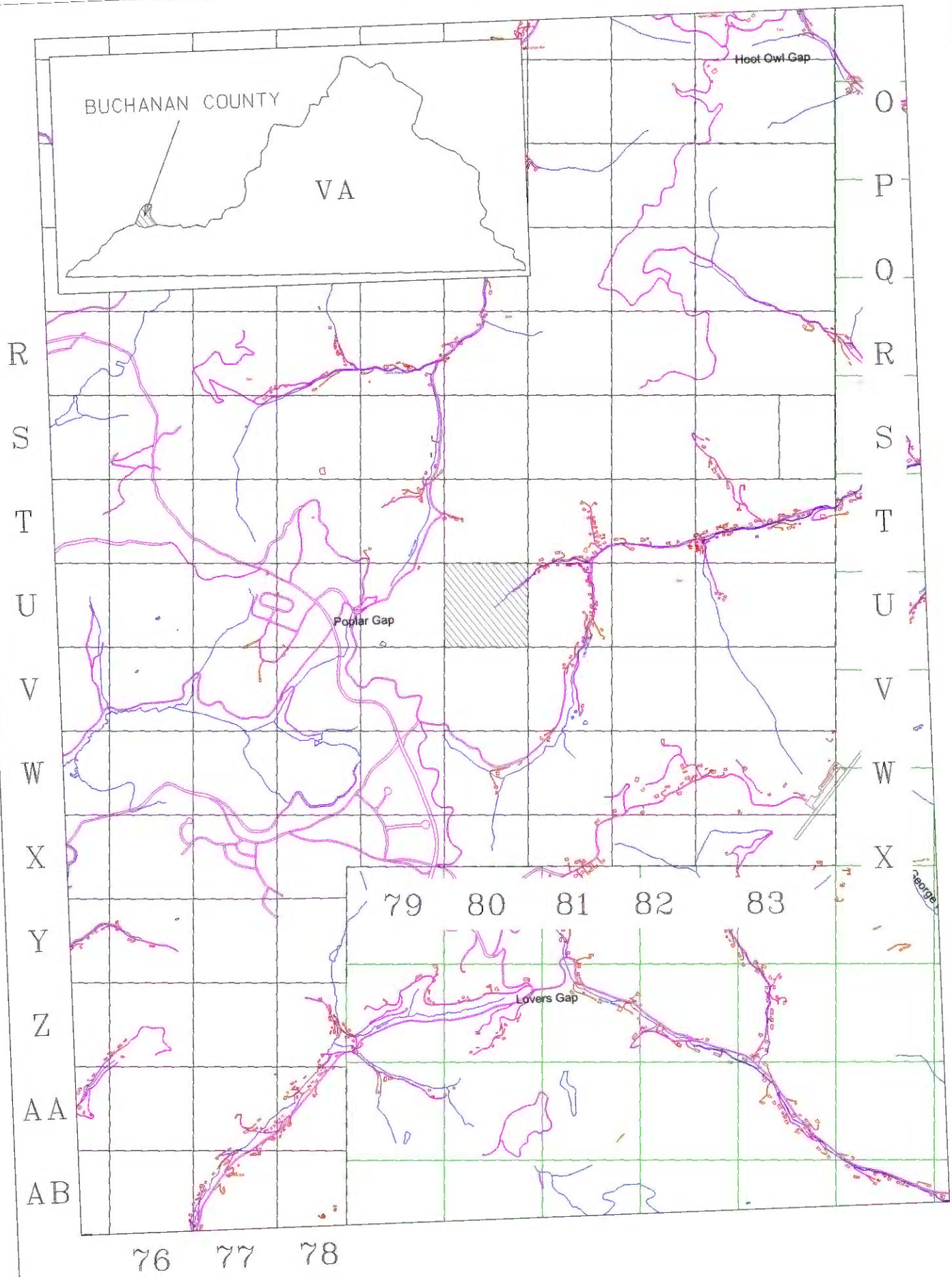


EXHIBIT A1
 UNIT U-80
 VGOB 17-0620-4125
 Page Number 13.