

**VIRGINIA DEPARTMENT OF ENERGY:  
BEFORE THE VIRGINIA GAS AND OIL BOARD**

**APPLICANT: Keyrock Energy, LLC**

**DOCKET NUMBER: VGOB 22-1018-4250**

**RELIEF SOUGHT: Well Location Exception  
Pursuant to Virginia Code § 45.2-1616  
Well No. Keyrock #4**

**LEGAL DESCRIPTION: "Exhibit A"**

**APPLICATION**

**1. Parties:**

- 1.1. Applicant herein is Keyrock Energy, LLC, whose address for the purposes hereof is 207 East Main Street, Suite 2-D, PO Box 2223, Johnson City, TN 37605, Telephone: (423) 726-2070. The attorney for Applicant is Freddie E. Mullins, whose address is P. O. Box 951, Clintwood, VA 24228, Telephone: (276) 926-8580.
- 1.2. Applicant is the owner of the right to develop and produce coalbed methane gas from the Mined Out Jawbone Coal Seam in the Contura Deep Mine 41 in Dickenson County, Virginia, from surface to total depth drilled in accordance with the proposed permit applied for by applicant and located within the Ervinton District of Dickenson County, Virginia, and underlying the lands depicted at "Exhibit A" attached hereto and made a part hereof and to appropriate the coalbed methane gas produced therefrom.

**2. Allegation of Facts:**

- 2.1. Applicant has proposed a plan of development and operation of the Mined Out Jawbone Coal Seam in the Contura Deep Mine 41 in Dickenson County underlying the drilling unit involved herein and depicted at "Exhibit A" and has proposed to commence such plan of development and operation of such unit by a coalbed methane well designed to combust gas for establishing marketable carbon credits, designated as Well Number Keyrock #4, to be drilled upon the lands involved herein so as to produce coalbed methane gas from such unit.
- 2.2. That the unit depicted at "Exhibit A" hereof is subject to statewide spacing as provided under Virginia Code § 45.2-1616. This section provides that "wells drilled in search of gas shall not be located closer than 2500 feet to any other well completed in the same pool." In consideration of all known conditions, it is the opinion of the Applicant that such distance limitation is not feasible for the unit described in "Exhibit A" because there is no legal location.
- 2.3. It is estimated by applicant that the total amount of recoverable gas is 1,364 mmcf.
- 2.4. That to prevent waste, protect correlative rights, and provide for the maximum safe recovery of the mineral resources underlying the Commonwealth, the Board should allow for an exception to the distance limitation and statewide spacing.
- 2.5. That the proposed well, at the location requested by Applicant, is necessary to effectively and efficiently drain a portion of the common sources of supply (reservoir) underlying the unit described at "Exhibit A" which cannot be adequately and efficiently drained without an exception to the distance limitations and spacing rules.
- 2.6. The drilling unit involved herein is a square with the proposed well bore to be located at Well

Docket Number: VGOB 22-1018-4250

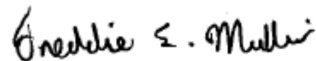
Page 1 of 2

Coordinates: (Geographic NAD 83) LAT: 37.080450° LON: 82.343660° in the Nora Quadrangle, Dickenson County, Virginia.

- 2.7. That EnerVest Operating, LLC, Well No. VC-3618 lies S 00° 56' W 425 feet from proposed Well No. Keyrock #4
- 2.8. That proposed Well No. Keyrock #4 is located on the W. W. Pressley 152.06 acre Tract and Applicant anticipates producing from the the Mined Out Jawbone Coal Seam in the Contura Deep Mine 41 in Dickenson County, Virginia from surface to total depth drilled, 400 feet.
3. Legal Authority : The relief sought by this Application is authorized by Virginia Code § 45.2-1616.
4. Relief Sought: Applicant requests the Virginia Gas and Oil Board to enter an order to enable Well No. Keyrock #4 to be drilled as depicted on the plat attached as "Exhibit A" and that Applicant be granted the right to produce methane gas from Mined Out Jawbone Coal Seam in the Contura Deep Mine 41 which appear on the well work permit submitted to the Inspector.

DATED this the 27<sup>th</sup> day of September, 2022.

KEYROCK ENERGY, LLC



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Freddie E. Mullins, Esq.

#### VERIFICATION

The foregoing Application to the best of my knowledge, information and belief is true and correct.

**VIRGINIA GAS AND OIL BOARD  
VIRGINIA DEPARTMENT OF ENERGY  
BIG STONE GAP, VIRGINIA**

**DOCKET NUMBER:** VGOB 22-1018-4250

**APPLICANT:** Keyrock Energy, LLC

**RELIEF SOUGHT:** Well Location Exception  
Pursuant to Virginia Code § 45.2-1616

**Well No.:** Keyrock #4

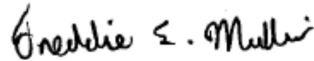
**LEGAL DESCRIPTION:** “Exhibit A”

**NOTICE OF HEARING**

TO: See Exhibit B

Notice is hereby given that the Applicant in this cause is requesting the Virginia Gas and Oil Board to authorize the drilling of the proposed well to produce formations from surface to total depth drilled as set forth in the attached application.

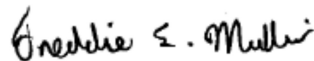
Notice is further given that this matter is set for hearing before the Virginia Gas and Oil Board on the 18<sup>th</sup> day of October, 2022, at 10:00 a.m. at 3405 Mountain Empire Road, Big Stone Gap, VA 24219 or telephonically, at which time and place all interested persons may appear and be heard. Any questions concerning said hearing may be directed to the Virginia Gas and Oil Board, State Gas and Oil Inspector, Virginia Department of Energy, 3405 Mountain Empire Rd, Big Stone Gap, VA 24219 (276) 523-8100.



\_\_\_\_\_  
Freddie E. Mullins  
Counsel for Applicant  
P. O. Box 951  
Clintwood, VA 24228  
(276) 926-8580

**CERTIFICATE OF SERVICE**

I, Freddie E. Mullins, counsel for Keyrock Energy, LLC, hereby certify that I have on this 5<sup>th</sup> day of October, 2022, caused the foregoing notice and application to be served upon the parties listed herein, at their address, by certified mail, return receipt requested.



\_\_\_\_\_  
Freddie E. Mullins

Docket Number: VGOB 22-1018-4250

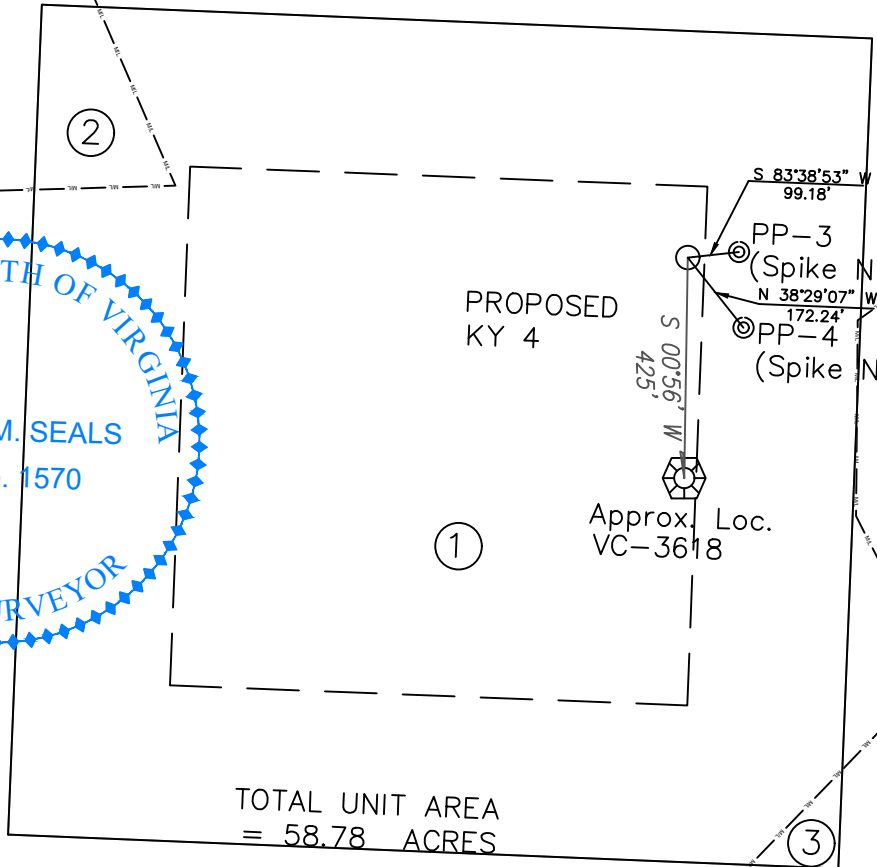
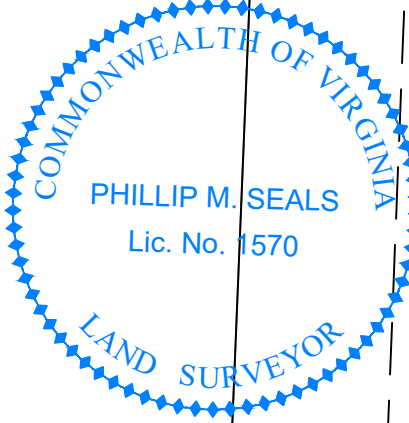
LATITUDE 37° 05' 00"

3,051'

1,093'

# EXHIBIT A

NOTE: THE BASIS OF THE BEARINGS SHOWN HEREON IS THE VIRGINIA STATE PLANE SOUTH ZONE, GRID MERIDIAN NAD 83



PROPOSED KY 4

Approx. Loc. VC-3618

TOTAL UNIT AREA = 58.78 ACRES

LONGITUDE 82° 20' 00"

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83)  
N 294,795.61 E 878,999.71

Well Coordinates: (Geographic NAD 83)  
LAT: 37.080450° LON: 82.343660°

Well Coordinates: (Cinchfield Coal Co.)  
Calculated from NAD 27 LAT/LONG  
S 7,138 E 11,564

**NOTE:**

ELEVATIONS WERE DETERMINED BY GPS & TRIGONOMETRIC METHODS BASED ON CORS STATION VABG.  
THE BOUNDARY LINES SHOWN HEREON ARE BASED ON DEEDS, PLATS, AND MAPS OF RECORD OR SURVEYS BY OTHERS, AND DO NOT DEPICT A CURRENT BOUNDARY SURVEY.  
PROPERTY INFORMATION PROVIDED BY KEYROCK ENERGY, LLC  
THE WELL WILL BE DRILLED WITHIN 10 (TEN) FEET OF THE PERMITTED COORDINATES.  
THE POSITIONS OF EXISTING OFFSET WELLS WERE TAKEN FROM PLATS IN THE DGO FILES.  
VC 536070

## WELL LOCATION PLAT (Nora Grid BF-44)

COMPANY Keyrock Energy LLC WELL NAME OR NUMBER KEYROCK 4

TRACT NO. LEASE NO 243344L QUADRANGLE NORA

DISTRICT Ervinton

WELL COORDINATES (VIRGINIA STATE PLANE 83) N 3,575,672.03 E 10,361,983.93

ELEVATION 1,556' METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.

COUNTY Dickenson SCALE: 1" = 400' DATE 8-16-2022

THIS PLAT IS A NEW PLAT  ; AN UPDATED PLAT  ; OR A FINAL LOCATION PLAT

+ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000, LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

EXHIBIT PL-1

Property Ownership Information for Keyrock 4  
08-16-2022

①

D-M 611  
W. W. Pressley  
152.06 ACRES  
C. F. Highlands - Surface  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm  
  
Keyrock Energy - cbm lessee  
  
GAS 56.87 AC. 96.75%

②

T. L. Sutherland  
82.54 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm  
  
Keyrock Energy - cbm lessee  
  
GAS 1.53 AC. 2.60%

③

G. W Smith  
58.96 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm  
  
Keyrock Energy - cbm lessee  
  
GAS 0.38 AC. 0.65%

**Exhibit B  
Unit # 4  
VGOB Docket # 22-1018-4250  
List of all Owners/Claimants  
(526.96 Acre Unit)**

	<u>Acres in Unit</u>	<u>Interest in Unit</u>
<b><u>Tract #D-M 611; W. W. Pressley (152.06 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM 1001 Fannin Street Ste 800 Houston, TX 77002	<b>56.85 acres</b>	<b>96.76 %</b>
<b><u>Tract #D-M 611; T. L. Sutherland (82.54 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>1.53 acres</b>	<b>2.60 %</b>
<b><u>Tract #D-M 612; G. W. Smith (58.96 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002 Johnson City, TN 37605	<b>0.38 acres</b>	<b>0.64 %</b>
<b><u>Tract #T. L. Sutherland (82.54 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>2.07 acres</b>	<b>0.40 %</b>

**Exhibit B  
Unit # 4  
VGOB Docket # 22-1018-4250  
List of all Owners/Claimants  
(526.96 Acre Unit)**

	<b>Acres in Unit</b>	<b>Interest in Unit</b>
<b><u>Tract #Anna L. Ramsey (23.41 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>4.07 acres</b>	<b>0.77 %</b>
<b><u>Tract #J. L. Litz</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>0.19 acres</b>	<b>0.04 %</b>
<b><u>Tract #D-M 594; Jasper Sutherland</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>53.68 acres</b>	<b>10.19 %</b>
<b><u>Tract #D-M 594; Jasper Sutherland</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>7.45 acres</b>	<b>1.42 %</b>

**Exhibit B  
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VGOB Docket # 22-1018-4250  
List of all Owners/Claimants  
(526.96 Acre Unit)**

	<u>Acres in Unit</u>	<u>Interest in Unit</u>
<b><u>Tract #D-M 594; Jasper Sutherland</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>65.21 acres</b>	<b>12.38 %</b>
<b><u>Tract #D-M 594; Jasper Sutherland</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>182.00 acres</b>	<b>34.56 %</b>
<b><u>Tract #D-M 597; A. A. Skeen (327.39 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>32.54 acres</b>	<b>6.18 %</b>
<b><u>Tract #D-M 610; French-Chase Co. (130.80 Acres)</u></b>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - Oil, Gas & CBM - 1001 Fannin Street Ste 800 Houston, TX 77002	<b>50.47 acres</b>	<b>9.58 %</b>

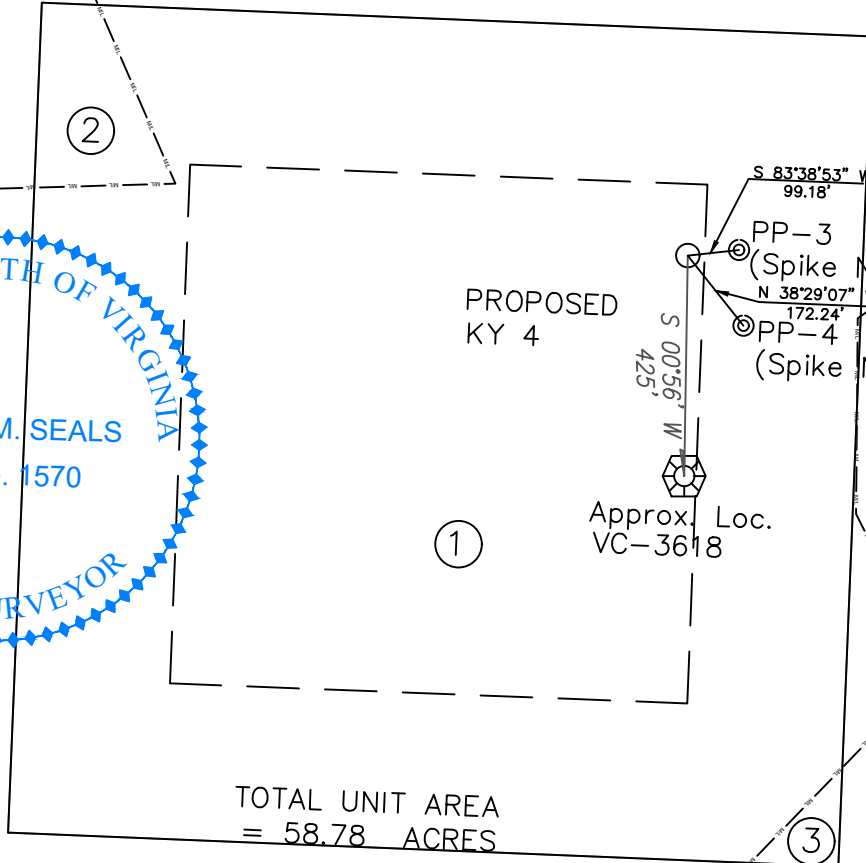
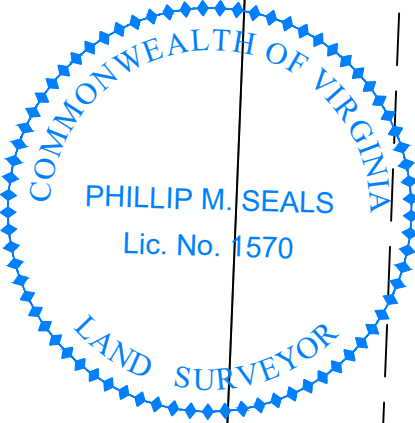
LATITUDE 37° 05' 00"

3,051'

1,093'

# EXHIBIT K

NOTE: THE BASIS OF THE BEARINGS SHOWN HEREON IS THE VIRGINIA STATE PLANE SOUTH ZONE, GRID MERIDIAN NAD 83



PROPOSED KY 4

Approx. Loc. VC-3618

TOTAL UNIT AREA = 58.78 ACRES

LONGITUDE 82° 20' 00"

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83)  
N 294,795.61 E 878,999.71

Well Coordinates: (Geographic NAD 83)  
LAT: 37.080450° LON: 82.343660°

Well Coordinates: (Cinchfield Coal Co.)  
Calculated from NAD 27 LAT/LONG  
S 7,138 E 11,564

**NOTE:**

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PROPERTY INFORMATION PROVIDED BY KEYROCK ENERGY, LLC  
THE WELL WILL BE DRILLED WITHIN 10 (TEN) FEET OF THE PERMITTED COORDINATES.  
THE POSITIONS OF EXISTING OFFSET WELLS WERE TAKEN FROM PLATS IN THE DGO FILES.  
VC 536070

## WELL LOCATION PLAT (Nora Grid BF-44)

COMPANY Keyrock Energy LLC WELL NAME OR NUMBER KEYROCK 4

TRACT NO. LEASE NO 243344L QUADRANGLE NORA

DISTRICT Ervinton

WELL COORDINATES (VIRGINIA STATE PLANE 83) N 3,575,672.03 E 10,361,983.93

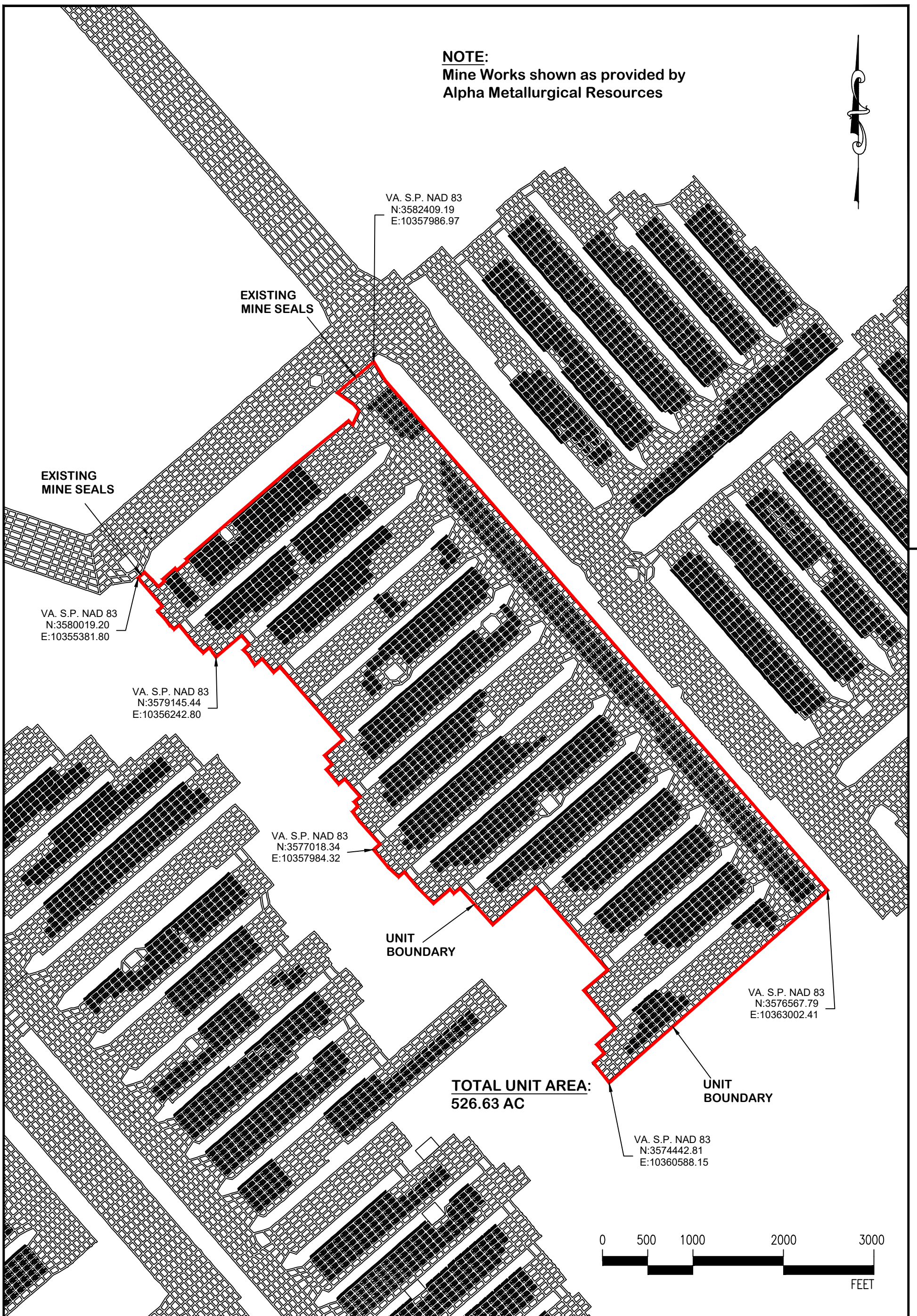
ELEVATION 1,556' METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.

COUNTY Dickenson SCALE: 1" = 400' DATE 8-16-2022

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+ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000, LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

**NOTE:**  
Mine Works shown as provided by  
Alpha Metallurgical Resources




**Appalachian Technical Services, Inc.**  
Engineering, Architecture, Surveying, Ecology & Environmental Science

Abingdon Office  
P.O. Box 1897  
475 West Main Street  
Abingdon, VA 24212  
(276) 676-4262

Wise Office  
P.O. Box 3537  
6741 Indian Creek Road  
Wise, VA 24293  
(276) 328-4200

**KEYROCK ENERGY LLC**

**DEEP MINE 41 UNDERGROUND  
UNDERGROUND MINE MAP KY4  
EXHIBIT L**

Designed By: <b>JMC</b>	Drawn By: <b>JMC</b>	Checked By: <b>PMS</b>	Date: <b>10/12/22</b>
Project Number: <b>1892.01</b>	Scale: <b>1" = 1000'</b>	Quadrangle: <b>NORA</b>	Coordinate System: <b>VA Nad 83 South Zone</b>
Drawing Name: Mineworks Only 24x36 With Well Units 10-12-22			<b>01</b>
Sheet/Layout: EXHIBIT L 11X17			<b>01</b>

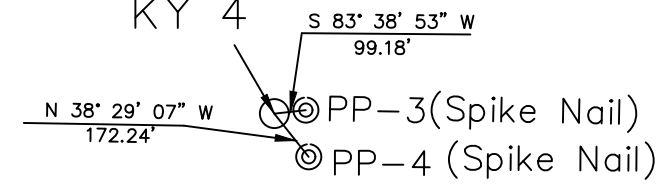
# PROPOSED UNIT

LATITUDE 37° 05' 00"

3,051'

## PERMANENT POINT DETAIL

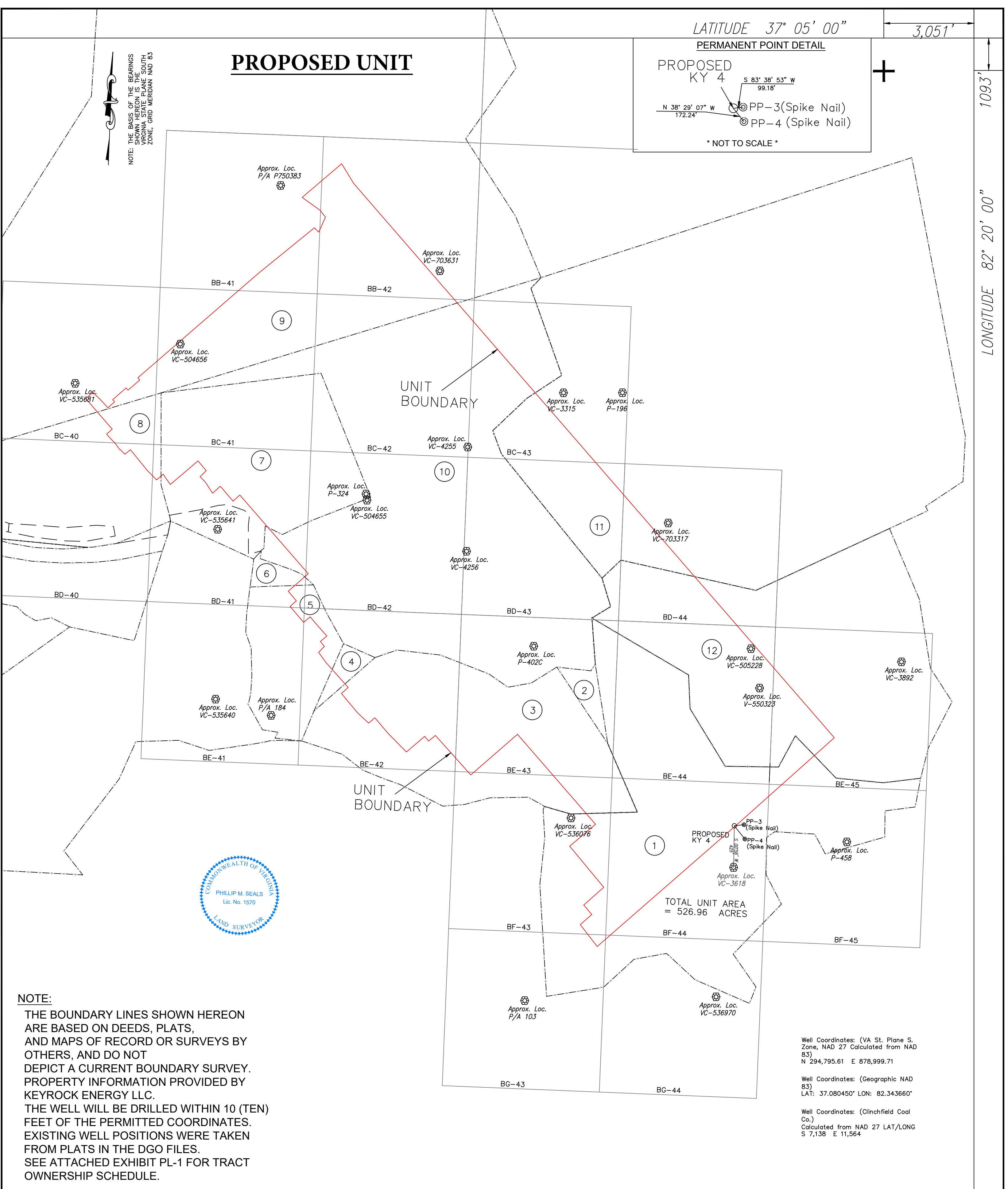
PROPOSED  
KY 4



\* NOT TO SCALE \*

NOTE: THE BASIS OF THE BEARINGS SHOWN HEREON IS THE VIRGINIA STATE PLANE SOUTH ZONE, GRID MERIDIAN NAD 83

1093'  
LONGITUDE 82° 20' 00"



TOTAL UNIT AREA = 526.96 ACRES

**NOTE:**  
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Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83)  
N 294,795.61 E 878,999.71  
Well Coordinates: (Geographic NAD 83)  
LAT: 37.080450° LON: 82.343660°  
Well Coordinates: (Clinchfield Coal Co.)  
Calculated from NAD 27 LAT/LONG S 7,138 E 11,564

### WELL LOCATION PLAT (Nora Grid N/A) DGO FILE NO.: Unknown At This Time

COMPANY Keyrock Energy LLC WELL NAME OR NUMBER KY 4  
TRACT NO. T-603 QUADRANGLE Nora  
DISTRICT Ervinton  
WELL COORDINATES (VIRGINIA STATE PLANE 83) N 3,575,672.03 E 10,361,983.93  
ELEVATION 1,556 METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.  
COUNTY Dickenson SCALE: 1" = 600' DATE 8-16-2022  
THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT   
+ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000,  
+ LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

*Phillip M. Seals*  
\_\_\_\_\_  
LICENSED LAND SURVEYOR (AFFIX SEAL)

EXHIBIT PL-1 (Page 1 of 3)

Property Ownership Information for Keyrock 4  
08-16-2022

①

D-M 611  
W. W. Pressley  
152.06 ACRES  
C. F. Highlands - Surface  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 72.28 AC. 13.72%

②

T. L. Sutherland  
82.54 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 3.38 AC. 0.64%

③

T. L. Sutherland  
82.54 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 53.62 AC. 10.18%

④

T. L. Sutherland  
82.54 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 2.07 AC. 0.39%

EXHIBIT PL-1(Page 2 of 3)

Property Ownership Information for Keyrock 4  
08-16-2022

⑤

Anna L. Ramsey  
23.41 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 4.07 AC. 0.76%

⑥

J. L. Litz  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 0.19 AC. 0.04%

⑦

D-M 594  
Jasper Sutherland  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 53.68 AC. 10.18%

⑧

D-M 594  
Jasper Sutherland  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 7.45 AC. 1.41%

EXHIBIT PL-1 (Page 3 of 3)

Property Ownership Information for Keyrock 4  
08-04-2022

9

D-M 594  
Jasper Sutherland  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 65.21 AC. 12.38%

10

DM-594  
Jasper Sutherland  
?? ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 182.00 AC. 34.54%

11

D-M 597  
A. A. Skeen  
327.39 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 32.54 AC. 6.18%

12

D-M 610  
French-Chase Co.  
130.80 ACRES  
ACIN LLC - coal  
PARAMONT CONTURA, LLC - coal lessee  
WBRD LLC - coal  
DICKENSON-RUSSELL CONTURA, LLC- coal lessee  
ENERVEST XIV-A NORA LLC  
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. &  
ENERVEST XIV-WIC NORA LLC  
oil, gas & cbm

Keyrock Energy - cbm lessee

GAS 50.47 AC. 9.58%

**MEMORANDUM OF PAID UP METHANE GAS LEASE**

ENERVEST XIV-A NORA LLC (50.10494%), ENERVEST ENERGY INSTITUTIONAL FUND XIV-A1, LP. (15.00000%) and ENERVEST XIV-W/C NORA LLC (34.89506%), each a Delaware limited partnership c/o EnerVest Operating, LLC. (herein called "Lessor"), whose address is 408 W. Main Street, Abingdon, VA 24210, and Keyrock Energy LLC (herein called "Lessee"), whose address is 207 E. Main Street, Suite 2-D, Johnson City, Tennessee 37605, hereby acknowledge and give notice that Lessor has executed and delivered to Lessee a Paid Up Methane Lease (herein after "Lease") under date of January 12<sup>th</sup>, 2022, covering the premises situated between the waters of the Buffalo Creek and Caney Creeks of Dickenson County, Virginia, commonly known as Deep Mine 41, to wit:

See attached Exhibit A for map of leased premise.

Said Lease provides for a primary term of three (3) years from January 12, 2022, and as long thereafter as CBM is produced in paying quantities from the lands covered by the Lease, or said Lease is maintained in force in any other manner therein provided. An executed copy of said Lease is in the possession of both Lessor and Lessee, and said Lease with all of its terms, covenants and provisions, is incorporated herein by reference and made a part hereof for all purposes.

The purpose of this Memorandum of Paid Up Methane Gas Lease is to evidence the existence of said Lease, and this Memorandum is given in lieu of filing said Lease in full for record with the office of the Recorder in the county or counties in which said Land is located.

This instrument may be executed in counterparts, which can be combined in one or more instruments for recordation.

IN WITNESS WHEREOF this instrument is executed on this 19<sup>th</sup> day of January 2022, but to be effective January 12, 2022.

LESSOR:

LESSEE

EnerVest Operating, LLC.

Keyrock Energy, LLC

By: [Signature]

[Signature]

Its: Vicki R. Schmidt = L.C. Del

managing Director



Lessee

**Keyrock Energy LLC**

By: Mark Allaman

Name: Mark Allaman

Title: Managing Director

**ACKNOWLEDGEMENT**

STATE OF PENNSYLVANIA

)

) S

COUNTY OF BUTLER

)

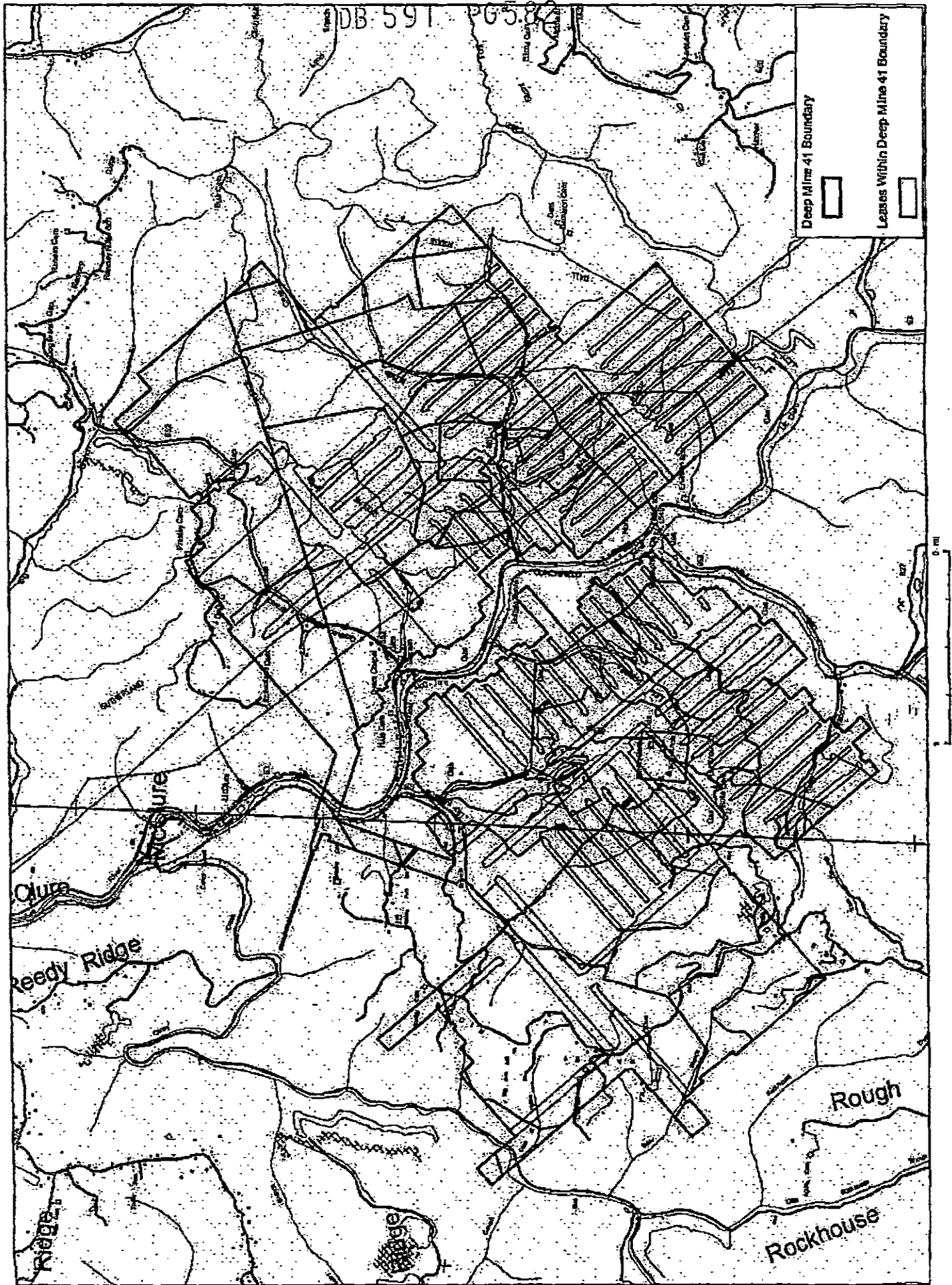
Venango

The foregoing instrument was acknowledged before me this 31<sup>st</sup> day of January, 2022 by Mark Allaman, as Managing Director of KEYROCK ENERGY, LLC, on behalf of the Limited Liability Company.

My Commission Expires: 12.17.22

Commonwealth of Pennsylvania - Notary Seal
Katie Marie Sottiaux, Notary Public
Venango County
My commission expires December 17, 2022
Commission number 1342247
Member, Pennsylvania Association of Notaries

Exhibit "A"



DB 591 PG583

INSTRUMENT 220000155  
RECORDED IN THE CLERK'S OFFICE OF  
DICKENSON CIRCUIT COURT ON  
FEBRUARY 15, 2022 AT 02:39 PM  
RICHARD W. EDWARDS, CLERK  
RECORDED BY: TJB