

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: Keyrock Energy, LLC

**DIVISION OF GAS AND OIL
DOCKET NO: VGOB 23-0919-4273**

RELIEF SOUGHT: Creation of sealed gob drilling unit and Pooling

LOCATION: See "Exhibit A" HEARING DATE: September 19, 2023

UNIT NUMBER: Keyrock #3

IN DICKENSON COUNTY, VIRGINIA

APPLICATION

1) **Parties:** Applicant is Keyrock Energy, LLC, 207 East Main Street, Suite 2-D, P. O. Box 2223, Johnson City, TN 37605. Respondents are listed on "Exhibit B", attached hereto and made a part hereof. Set forth in "Exhibit B" are the names and last-known addresses of each owner of record identified by the Applicant as having or claiming an interest in the coalbed methane gas underlying the drilling unit sought to be created and pooled herein. Each individual named in "Exhibit B" if living, is made a party hereto. If any such individual is deceased, then the known and unknown heirs, executors, administrators, devisees, trustees, and assigns, both immediate and remote, of any such deceased individual are made parties hereto. Each of the legal entities named in "Exhibit B", if such entity continues to have legal existence, is made a party hereto. If any such legal entity is dissolved, then the known and unknown successors, trustees, and assigns, both immediate and remote, of such entity are made parties hereto.

2) **Facts:**

a) Applicant owns or claims to own coalbed methane gas leases and claims the right thereunder to explore for, develop and produce coalbed methane gas from the Mined Out Jawbone Coal Seam (hereinafter "Subject Formation") in the Contura Deep Mine 41 in Dickenson County, Virginia (hereinafter "Subject Lands"), which Subject Lands are more particularly described in "Exhibit A" attached hereto and made a part hereof. The purpose of this endeavor is to combust the coalbed methane gas to generate carbon credits for marketing purposes. To further this purpose, Applicant has entered into a lease, which is attached to the Application, with Enervest XIV-A Nora LLC, Enervest Energy Institutional Fund XIV-AI, LP, and Enervest IV-WIC Nora LLC, to develop and produce coalbed methane in the area shown on "Exhibit A". "Exhibit A" is a map certified by licensed professional engineer showing the size and shape of the drilling unit to be created and pooled, as well as Applicant's interest in the subject drilling unit. Applicant attests to the fact that it believes said map conforms to existing orders issued by the Board. The undersigned certifies that the matters set forth in this application, to the best of his knowledge, information, and belief, are true and correct.

- b) On "Exhibit A", "Exhibit B", the Tract Identification Page, and "Exhibit B-3", Applicant has shown 1) the percentage of ownership in the drilling unit of each acreage (tract) being pooled, 2) the status of ownership of each acreage (tract) being pooled (including a description of the interest of each owner or claimant as disclosed by the examination of record title), i.e. whether leased to Applicant, leased to another person or unleased, and 3) the approximate percentage of interest in the drilling unit to be escrowed, if any, under Va. Code 45.2-1620(D) for each unidentifiable owner or claimant of a conflicting interest, if any.
 - c) The Virginia Gas and Oil Board (hereinafter "Board") heretofore has established drilling units in the Nora Gas Field underlying and comprised of the Subject Lands pursuant to its Orders and those of the Virginia Oil and Gas Conservation Board. However, said Field Rules and orders specifically provide that they do not apply to the production of coalbed methane gas from sealed gob areas which production is contemplated by this application. Annexed hereto as "Exhibit L" which is an Underground Mine Map.
 - d) It is estimated by the applicant that the total amount of recoverable gas is 475 mmcf.
 - e) Applicant has proposed 1 well bore as shown on "Exhibit A" for the production of coalbed methane from the sealed gob and "Subject Formation." The estimated costs for development contemplated by this Application are as set forth in "Exhibit C" attached hereto and made a part hereof which are Applicant's Estimate of Allowable Costs.
 - f) Applicant has exercised diligence to locate each person owning or claiming an interest in coalbed methane gas in the subject drilling unit underlying the Subject Lands. It is necessary to prevent waste, to protect correlative rights, and to ensure the safe and efficient development and production of gas and oil resources in the Commonwealth that the Board hear this matter and adjudicate the rights and equities as between Applicant and the herein named persons.
 - g) Simultaneously with the filing of this application pursuant to Va. Code § 45.2-1618(A). Applicant is providing notice by certified mail, return receipt requested to each person named as a Respondent in the Notice of Hearing having or claiming an interest in the coalbed methane gas, underlying the Subject Lands pooled herein. Applicant hereby notifies Board that where the identity or location of any person is shown as "unknown" on "Exhibit B", then Applicant is unable to provide the said person with written notice of the application herein by mail.
 - h) Applicant does request the Board establish an escrow account pursuant to Va. Code Ann. § 45.2- 1622(A), Board Rules, and prior Orders of the Board, into which the payment of costs or proceeds attributable to conflicting interests (to the extent they are subject to escrow) shall be deposited and held for the interests of the claimants.
- 3) **Legal Authority:** Va. Code § 45.2-1600, et seq. 4 VAC 25-160-10, et seq. and such

other regulations promulgated pursuant to law.

4) **Relief Sought:** Applicant requests the Board issue an order providing as follows:

- a) Creating a sealed gob drilling unit consisting of 401.983 +/- acres for the drilling, development, and production of coalbed methane gas from the sealed gob and the Subject Formation, which drilling unit is further described and depicted in "Exhibit A" annexed hereto and which drilling unit is described as follows: **BEGINNING** at a point with Virginia State Plane NAD83 Coordinates of N: 3,573,792.31 and E: 10,348,942.28 feet; thence N 49°00'18" E 3262.93 feet to a point; thence N 33°11'34" E 166.37 feet to a point; thence N 54°56'27" W 153.81 feet to a point; thence N 50°42'11" E 477.69 feet to a point; thence S 13°51'55" E 167.82 feet to a point; thence S 43°44'08" E 196.84 feet to a point; thence S 41°09'23" E 4597.91 feet to a point; thence S 49°28'54" W 535.87 feet to a point; thence S 55°44'29" W 183.48 feet to a point; thence S 49°12'00" W 2656.27 feet to a point; thence N 38°19'44" W 135.98 feet to a point; thence S 54°39'07" W 102.87 feet to a point; thence N 41°13'12" W 436.43 feet to a point; thence S 48°22'21" W 89.81 feet to a point; thence N 41°57'32" W 394.50 feet to a point; thence N 40°54'57" W 468.21 feet to a point; thence N 38°38'05" W 120.95 feet to a point; thence N 27°10'53" W 103.53 feet to a point; thence S 47°24'00" W 179.05 feet to a point; thence N 40°40'23" W 952.07 feet to a point; thence N 75°02'58" W 154.29 feet to a point; thence N 41°18'48" W 1988.14 feet to a point which is the point of **BEGINNING**, containing +/- 401.983 more or less.
- b) Pooling all the interests of the Respondents named in Exhibit B-3 herein, and their known and unknown heirs, executors, administrators, devisees, trustees, assigns, and successors, both immediate and remote, for the drilling, development, and production of coalbed methane gas from the subject drilling unit for the Subject Formation underlying and comprised of the Subject Lands.
- c) Establishing the percentages for division of interest for production, revenue, and costs for all Respondents in accordance with those percentages as are set forth in "Exhibit B".
- d) With respect to coalbed methane gas in the subject drilling unit, the applicant requests that the Board establish a procedure whereby each person named in Exhibit B-3 hereto, shall have the right to elect 1) to assign or lease his interest in the subject drilling unit to the designated operator, 2) to enter into a voluntary agreement with the designated operator to share in the operation (including the sharing in all reasonable costs of development of the unit) at a rate of payment mutually agreed to by the person making the election hereunder and the designated operator herein or 3) to share in the operation of the well(s) and costs of production as a nonparticipating operator on a carried basis after the proceeds allocable to such person's share equal the following:

In the case of a leased tract, 300 percent of the share of such costs allocable to such person's interest; or

In the case of an unleased tract, 200 percent, of the share of such costs allocable to such person's interest, all as determined by the Board.

- e) Providing that any Respondent herein who does not make a timely written election under the terms of the Order to be entered herein shall be deemed to have leased or assigned his coalbed methane gas interests in the subject drilling unit to the Applicant herein at a rate to be established by the Board.
- f) Designating Keyrock Energy, LLC, as Unit Operator; providing that the operator shall have the right to drill, develop, produce, market, and sell coalbed methane gas from the subject drilling unit and shall further have the right to generate and market carbon credits; granting the operator the right to market and sell the coalbed methane gas from the subject drilling unit which is attributable to the conflicting claims and interests pooled herein; providing that the operator shall have an operator's lien on the coalbed methane gas estate and rights owned or claimed by the persons named herein in the subject drilling unit; and granting the operator the right to drill at any legal or specially permitted location on subject drilling unit; and granting the operator the right to drill wells at any legal or specially permitted location on the subject drilling unit.
- g) Providing that the order to be entered herein shall expire two (2) years from the date of its issuance if operations have not commenced by said date; but further providing that if operations have commenced during said two-year period, then said order shall remain in effect for so long as operations continue on the subject drilling unit. However, in the event an appeal is taken from the order issued, the time between the mailing of the notice of appeal and the final order of the Circuit Court shall be excluded in calculating the two-year period referred to herein.
- h) With respect to separately owned tracts and separately owned interests in the drilling unit, joining all the interests within the drilling unit to produce coalbed methane gas so that each owner in the drilling unit will share in all production and costs regarding the drilling unit in the proportion that the acreage owned by each owner bears to the entire acreage in the unit.
- i) 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.

Dated: August 8, 2023

Keyrock Energy, LLC
Applicant

By: 

Morgan Pate, Geologist
Keyrock Energy, LLC
207 East Main St., Suite 2-D
PO Box 2223
Johnson City, TN 37605

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: Keyrock Energy, LLC

**DIVISION OF GAS AND OIL
DOCKET NO: VGOB 23-0919-4273**

RELIEF SOUGHT: Creation of sealed gob drilling unit and Pooling

LOCATION: See "Exhibit A"

UNIT NUMBER: Keyrock #3

IN DICKENSON COUNTY, VIRGINIA

HEARING DATE: September 19, 2023

**PLACE: Virginia Dept. of Energy
3405 Mountain Empire Rd.
Big Stone Gap, VA 24219**

TIME: 10:00 a.m.

NOTICE OF HEARING

COMMONWEALTH OF VIRGINIA: To all persons owning or claiming an interest in oil and gas, coalbed methane gas, coal, or other minerals and to all other persons who have or claim to have an interest in the coalbed methane underlying and within the Keyrock Energy, LLC Unit Keyrock #3 and the lands described on "Exhibit A" to the Application, which is attached to this Notice, in the Ervinton District of Dickenson County, Virginia (hereinafter "Subject Lands") and adjacent lands, and in particular to the following persons, their known and unknown heirs, executors, administrators, devisees, assigns and successors, both immediate and remote:

NOTICE IS HEREBY GIVEN that Applicant is requesting that the Virginia Gas and Oil Board (hereinafter "Board") issue an order creating a sealed gob unit and pooling all the rights, interests, and estates of the above-named persons pursuant to Virginia Code Ann. § 45.2-1600, et seq., in regard to the drilling, development, and production of coalbed methane gas from said drilling Unit Keyrock #3 containing approximately 401.983 acres, for the mined-out Jawbone Coal Seam (hereinafter "Subject Formation"). Applicant requests that the Board issue an order providing as follows:

- a) Creating a sealed gob drilling unit consisting 401.983 +/- acres for the drilling, development, and production of coalbed methane gas from the sealed gob and the Subject Formation, which drilling unit is further described and depicted in "Exhibit A" annexed hereto and which drilling unit is described as follows: BEGINNING at a point with Virginia State Plane NAD83 Coordinates of N: 3,573,792.31 and E: 10,348,942.28 feet; thence N 49°00'18" E 3262.93 feet to a point; thence N 33°11'34" E 166.37 feet to a point; thence N 54°56'27" W 153.81 feet to a point; thence N 50°42'11" E 477.69 feet to a point; thence S 13°51'55" E 167.82 feet to a point; thence S 43°44'08" E 196.84 feet to a point; thence S 41°09'23" E 4597.91 feet to a point; thence S 49°28'54" W 535.87 feet to a point; thence S 55°44'29" W 183.48 feet to a point; thence S 49°12'00" W 2656.27 feet to a point; thence N 38°19'44" W 135.98 feet to a point; thence S 54°39'07" W 102.87 feet to a point; thence N 41°13'12" W 436.43 feet to a point; thence S 48°22'21" W 89.81 feet to a point; thence N 41°57'32" W 394.50 feet to a point; thence N 40°54'57" W 468.21 feet to a point; thence N 38°38'05" W 120.95 feet to a point; thence N 27°10'53" W 103.53 feet to a point; thence S 47°24'00" W 179.05 feet to a point; thence N 40°40'23" W 952.07 feet to a point; thence N 75°02'58" W 154.29 feet to a point; thence N 41°18'48" W 1988.14 feet to a point which is the point of BEGINNING. Containing 401.983 acres more or less.
- b) The pooling of interests of Respondents named in Exhibit B herein, and their known and unknown heirs, executors, administrators, devisees, trustees, assigns, and successors, both immediate and remote, for the drilling, development, and production of coalbed methane gas from the subject drilling unit for the Subject Formation underlying and comprised of the Subject Lands;

- c) Establishing the percentages for division of interest for production, revenue, and costs for all Respondents in accordance with those percentages as are set forth in "Exhibit B".
- d) Designating Keyrock Energy, LLC, as Unit Operator; providing that the operator shall have the right to drill, develop, produce, market, and sell coalbed methane gas from the subject drilling unit; granting the operator the right to market and sell the coalbed methane gas from the subject drilling unit which is attributable to the conflicting claims and interests pooled herein; providing that the operator shall have an operator's lien on the coalbed methane gas estate and rights owned or claimed by the persons named herein in the subject drilling unit; and granting the operator the right to drill at any legal or specially permitted location on subject drilling unit; and granting the operator the right to drill wells at any legal or specially permitted location on the subject drilling unit.
- e) Escrow funding is requested and required and pooling is not voluntary.
- f) Providing that the order to be entered herein shall expire two (2) years from the date of its issuance if operations have not commenced by said date; but further providing that if operations have commenced during said two-year period, then said order shall remain in effect for so long as operations continue on the subject drilling unit. However, in the event an appeal is taken from the order issued, the time between the mailing of the notice of appeal and the final order of the Circuit Court shall be excluded in calculating the two-year period referred to herein.
- g) With respect to separately owned tracts and separately owned interests in the drilling unit, joining all the interests within the drilling unit for the production of coalbed methane gas so that each owner in the drilling unit will share in all production and costs regarding the drilling unit in the proportion that the acreage owned by each owner bears to the entire acreage in the unit.
- h) 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.

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 September 19, 2023, at the offices of the Virginia Department of Energy at 3405 Mountain Empire Road, Big Stone Gap, VA 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, Division of Gas and Oil, 3405 Mountain Empire Road, Big Stone Gap, Virginia 24219, or the Applicant at the address shown below.

Dated: August 8, 2023

Keyrock Energy, LLC
Applicant

By: 

Morgan Pate, Geologist
Keyrock Energy, LLC
207 East Main St., Suite 2-D
PO Box 2223
Johnson City, TN 37605

4,983'

EXHIBIT PL-1

Property Ownership Information for Well # KEYROCK 3
May 26, 2023

①

TRACT NO. TL-219
MAE SMITH ROWLETT
92.57 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-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 15.37 AC. 26.15 %

②

TRACT NO. T2-119
ELEXIUS SMITH
43.18 ACRES
CF HIGHLANDS LLC -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-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 26.74 AC. 45.50 %

③

IRENE AND JACK FIELDS - oil & gas
15.33 ACRES
LEASE NO. 244792L / TC-177
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-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 0.33 AC. 0.56 %

④

VERNA SUTHERLAND, et vir. - oil & gas
15.34 ACRES
LEASE NO. 244792L / TC-177
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-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 0.34 AC. 0.57 %

⑤

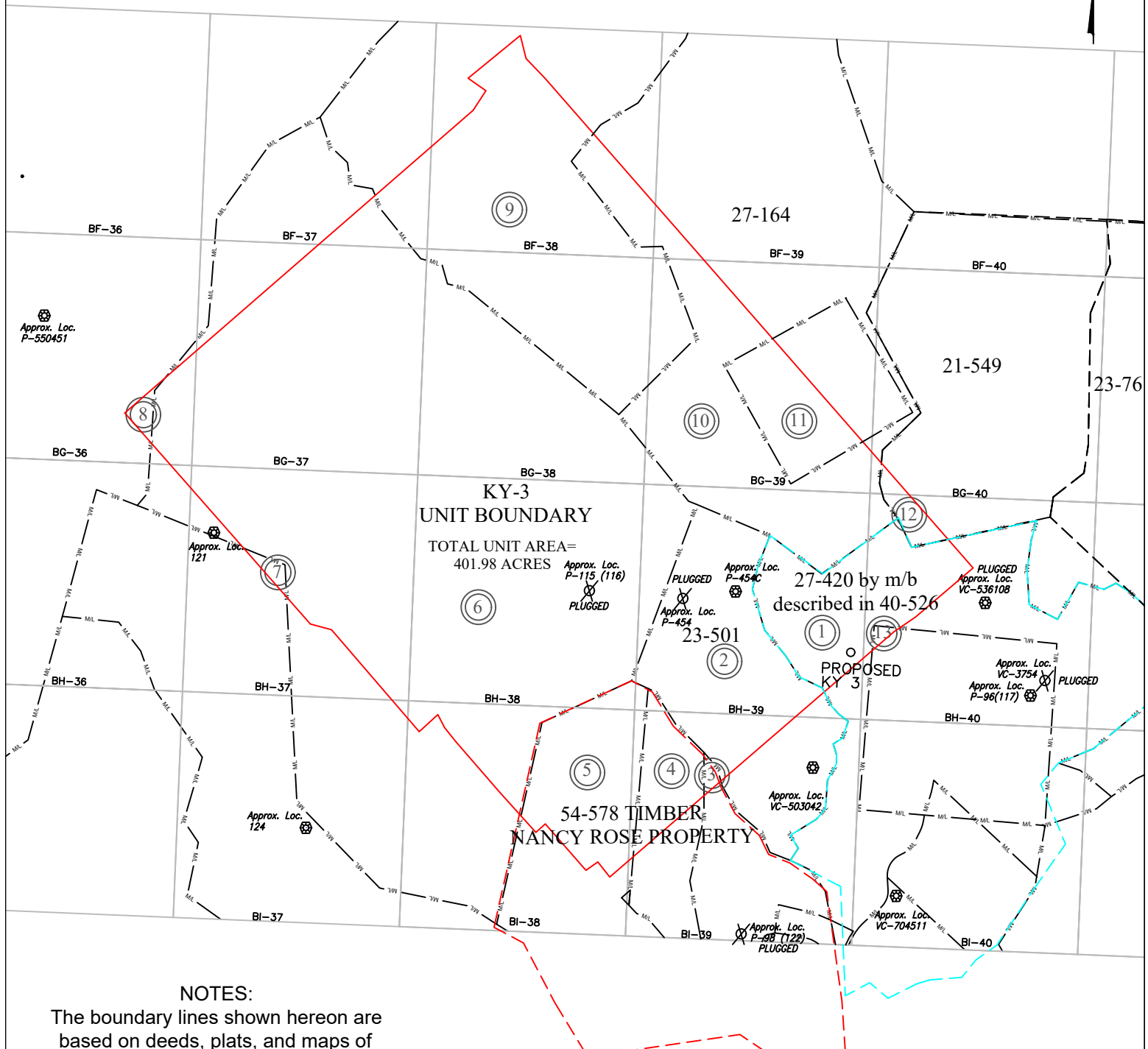
TRACT NO. T-185
ELEXIUS SMITH
292.00 ACRES
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee
ENERVEST XIV-A NORA LLC
ENERVEST ENERGY INSTITUTIONAL FUND XIV-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 5.68 AC. 9.67 %

⑥

TRACT NO. T-44
D. L. FRENCH
47.79 ACRES
CF HIGHLANDS LLC -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-A1, L.P. &
ENERVEST XIV-WIC NORA LLC
1/4 interest oil, gas (cbm)
GAS 10.31 AC. 17.55 %

PROPOSED UNIT

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



NOTES:

The boundary lines shown hereon are based on deeds, plats, and maps of record or provided by others and do not depict a current boundary survey. Existing well locations were taken from information provide on the VA Division of Gas and Oil web site. Property information provided by Keyrock Energy, LLC

KEYROCK ENERGY, LLC
KY-3 UNIT BOUNDARY
WITH TRACTS PROVIDED
BY KEYROCK ENERGY



Appalachian
Technical
Services, Inc.
OFFICE-STATE

Designed By PMS	Drawn By JMC	Checked By PMS	Date 06/20/2023	Project Number 1892.01	Scale 1"=1000'	QUAD DISTRICT NORA KENADY	Coordinate System COORD
				Drawing Number KY-3UNITBOUNDARY		Sheet S1	S2 ^{S4}

EXHIBIT PL-1 (Page 1 of 2)
Property Ownership Information for Keyrock 3
06-12-2022

①

TL-219
MAE SMITH ROWLETT
67.202 ACRES
surface & gas
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown
GAS 22.31 AC. 5.55%

⑤

PORTION OF ELEXIUS SMITH
VARIOUS UNKNOWN SURFACE OIL AND GAS OWNERS
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown
GAS 19.16 AC. 4.77%

②

TD-119
ELEXIUS SMITH
43.18 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
cbm

Keyrock Energy - cbm lessee
GAS 30.63 AC. 7.62%

⑥

T-185
ELEXIUS SMITH
266.72 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 199.84 AC. 49.71%

③

CHARLOTTE LYNN ROSE, et ux.
16.50 ACRES
oil & gas
TC-177
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown
GAS 0.49 AC. 0.12%

⑦

NOAH SMITH
118.30 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 0.74 AC. 0.18%

④

IRENE & JACK FIELDS
15.33 ACRES
oil & gas
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown
GAS 7.66 AC. 1.91%

⑧

BRONSON RAMSEY
710.00 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 0.93 AC. 0.23%

EXHIBIT PL-1 (Page 2 of 2)

Property Ownership Information for Keyrock 3
06-12-2022

⑨

D. L. FRENCH
118.28 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
cbm

Keyrock Energy - cbm lessee

GAS 63.14 AC. 15.71%

⑬

T-146
ELEXIUS SMITH
40 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
cbm

Keyrock Energy - cbm lessee

GAS 0.36 AC. 0.09%

⑩

D. L. FRENCH
"150" ACRES
oil & gas
TC-177
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown

GAS 43.57 AC. 10.84%

⑪

D. L. FRENCH
22.00 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
cbm

Keyrock Energy - cbm lessee

GAS 10.75 AC. 2.67%

⑫

ALBERT C. ADKINS, et al.
58.00 ACRES
oil & gas
ACIN LLC - coal
PARAMONT CONTURA, LLC - coal lessee
WBRD LLC - coal
DICKENSON-RUSSELL CONTURA, LLC- coal lessee

cbm unknown

GAS 2.40 AC. 0.60%

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
<u>Tract One - #TL-219 Mae Smith Rowlett Tract (67.202 Acres)</u>		
(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(5) Unknown – Gas and Surface	22.31 acres	5.55%

Tract Two - #TD-119 Elexius Smith (43.18 Acres)

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011
- (2) Paramount Contura, LLC - Coal Lessee
Corporation Service Company
100 Shockoe Slip
FL 2
Richmond, VA, 23219-4100
- (3) WBRD LLC - Coal
Capitol Corporate Services, Inc.
10 South Jefferson St
Ste. 1400
Roanoke, VA 24011

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - CBM 1001 Fannin St Ste. 800 Houston TX 77002	30.63 acres	7.62%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 - 5320		
<u>Tract Three - TC-177 (Charlotte Lynn Rose, et ux) (16.50 Acres)</u>		
(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) Unknown – Gas and Surface	0.49 acres	0.12%

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
<u>Tract Four - #Irene & Jack Fields (15.33 Acres)</u>		
(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) Unknown – Gas and Surface	7.66 acres	1.91%

Tract Five – Portion of Elexius Smith – Various unknown surface, oil, and gas owners

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011
- (2) Paramount Contura, LLC - Coal Lessee
Corporation Service Company
100 Shockoe Slip
FL 2
Richmond, VA, 23219-4100
- (3) WBRD LLC - Coal
Capitol Corporate Services, Inc.
10 South Jefferson St
Ste. 1400
Roanoke, VA 24011

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) Unknown – Gas and Surface	19.16 acres	4.77%

Tract Six - #T-185 Elexius Smith (266.72 Acres)

(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM 1001 Fannin St Ste. 800 Houston TX 77002	199.84 acres	49.71%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
<u>Tract Seven - Noah Smith (118.30 Acres)</u>		
(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM 1001 Fannin St Ste. 800 Houston TX 77002	0.74 acres	0.18%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

Tract Eight – Bronson Ramsey (710.00 Acres)

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM 1001 Fannin St Ste. 800 Houston TX 77002	0.93 acres	0.23%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

Tract Nine – D. L. French (118.28 Acres)

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011
- (2) Paramount Contura, LLC - Coal Lessee
Corporation Service Company
100 Shockoe Slip
FL 2
Richmond, VA, 23219-4100

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM 1001 Fannin St Ste. 800 Houston TX 77002	63.14 acres	15.71%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

Tract Ten – TC-177 - D. L. French (“150” acres) Portion of Elexius Smith – Various unknown surface, oil, and gas owners

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011
- (2) Paramount Contura, LLC - Coal Lessee
Corporation Service Company
100 Shockoe Slip
FL 2
Richmond, VA, 23219-4100
- (3) WBRD LLC - Coal
Capitol Corporate Services, Inc.
10 South Jefferson St
Ste. 1400
Roanoke, VA 24011

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) Unknown – Gas and Surface	43.57 acres	10.84%

Tract Eleven – D. L. French (22.00 Acres)

(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM 1001 Fannin St Ste. 800 Houston TX 77002	10.75 acres	2.67%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

**Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
<u>Tract Twelve – Albert C. Adkins, et al. (58.00 acres)</u>		
(1) ACIN LLC – Coal Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA 24011		
(2) Paramount Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA, 23219-4100		
(3) WBRD LLC - Coal Capitol Corporate Services, Inc. 10 South Jefferson St Ste. 1400 Roanoke, VA 24011		
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) Unknown – Gas and Surface	2.40 acres	0.60%

Tract Thirteen – T-146 Elexius Smith (40 acres)

- (1) ACIN LLC – Coal
Capitol Corporate Services, Inc.
10 South Jefferson St.
Ste 1400
Roanoke, VA 24011
- (2) Paramount Contura, LLC - Coal Lessee
Corporation Service Company
100 Shockoe Slip
FL 2
Richmond, VA, 23219-4100
- (3) WBRD LLC - Coal
Capitol Corporate Services, Inc.
10 South Jefferson St
Ste. 1400
Roanoke, VA 24011

Exhibit B
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)

	Acres in Unit	Interest in Unit
(4) Dickenson-Russell Contura, LLC - Coal Lessee Corporation Service Company 100 Shockoe Slip FL 2 Richmond, VA 23219-4100		
(5) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM 1001 Fannin St Ste. 800 Houston TX 77002	0.36 acres	0.09%
(6) Keyrock Energy - CBM Lessee Corporate Creations Network Inc. 425 W Washington St. Ste 4 Suffolk, VA, 23434 – 5320		

Exhibit B-3
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)

	Acres in Unit	Interest in Unit
<u>Tract One - #TL-219 Mae Smith Rowlett Tract (67.202 Acres)</u>		
(1) Unknown – Gas and Surface	22.31 acres	5.55%
<u>Tract Three - TC-177 (Charlotte Lynn Rose, et ux) (16.50 Acres)</u>		
(1) Unknown – Gas and Surface	0.49 acres	0.12%
<u>Tract Four - #Irene & Jack Fields (15.33 Acres)</u>		
(1) Unknown – Gas and Surface	7.66 acres	1.91%
<u>Tract Five – Portion of Elexius Smith – Various unknown surface, oil, and gas owners</u>		
(1) Unknown – Gas and Surface	19.16 acres	4.77%
<u>Tract Ten – TC-177 - D. L. French (“150” acres) Portion of Elexius Smith – Various unknown surface, oil, and gas owners</u>		
(1) Unknown – Gas and Surface	43.57 acres	10.84%
<u>Tract Twelve – Albert C. Adkins, et al. (58.00 acres)</u>		
(1) Unknown – Gas and Surface	2.40 acres	0.60%

EXHIBIT C

Authorization For Expenditure (AFE)

AFE #	1030	Property #		Version #	
Well Name:	Keyrock No. 3	Field:		Completed By:	I Morgan Pate
Location:	N 3,572,098.12 E 10,354,076.32	Operator:	Keyrock Energy	Date:	8/9/2023
Expected Pay Zones:	Mined-out Jawbone Coal Seam	Estimated Total Depth:	1,170 ft	AAPG Class:	
Proposed Work:	Drill Gob well into mined-out Jawbone Seam	Participant:	None	W.I.	Amount
					\$0

INTANGIBLES

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$34,188
		Permit / Title Opinion / Survey / Insurance	\$0	\$0	\$19,800
		Building Location	\$0	\$0	\$39,600
		Roads / Stone / Culverts	\$0	\$0	\$6,600
		Surface Damages	\$0	\$0	\$0
		Drilling - Footage	\$0	\$0	\$23,166
		Drilling - Mobilization	\$0	\$0	\$9,240
		Drilling - Dayrate	\$0	\$0	\$26,136
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$5,940
		Cement Surface casing	\$0	\$0	\$0
		Cement Intermediate casing	\$0	\$0	\$9,240
		Open Hole Logging & Testing	\$0	\$0	\$4,496
		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	\$1,927
		Overhead Rate	\$0	\$0	\$0
		Misc. & Contingencies	\$0	\$0	\$6,600
		Location Rds/Stone/Culverts	\$0	\$0	\$5,280
		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	\$1,320
		Haul Pit Water / Disposal	\$0	\$0	\$3,010
		Cement Production Casing	\$0	\$0	\$11,088
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$713
		Roustabout Labor	\$0	\$0	\$0
		TOTAL INTANGIBLES	\$0	\$0	\$208,344

TANGIBLES

Code	Code	Description	Casing Point	Completion	Total Cost
		13 3/8" Surface Casing	\$50	\$4,750	\$4,750
		7" R1 T&C Black Steel Csg	\$1,120	\$39,200	\$39,200
		Wellhead Equipment / Fittings	\$0	\$0	\$3,300
		Tank Battery	\$0	\$0	\$0
		Separator / Heater / Treater	\$0	\$0	\$0
		Gas Lift Equipment	\$0	\$0	\$5,280
		Rods / Stuffing Box	\$0	\$0	\$0
		Downhole Pump	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$0	\$0
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$1,056
		Flow Line labor/material	\$0	\$0	\$0
		Sales line labor/mat/row	\$0	\$0	\$0
		TOTAL TANGIBLES	\$0	\$0	\$53,586

GRAND TOTAL WELL COST			\$0	\$0	\$261,930	
153	115	Plugging & Abandonment	\$0			
			Production Costs :	\$261,930	Dry Hole Costs :	\$0

Management Approval

Approved by:


Morgan Pate

Title Senior Geologist

Date 8/9/23

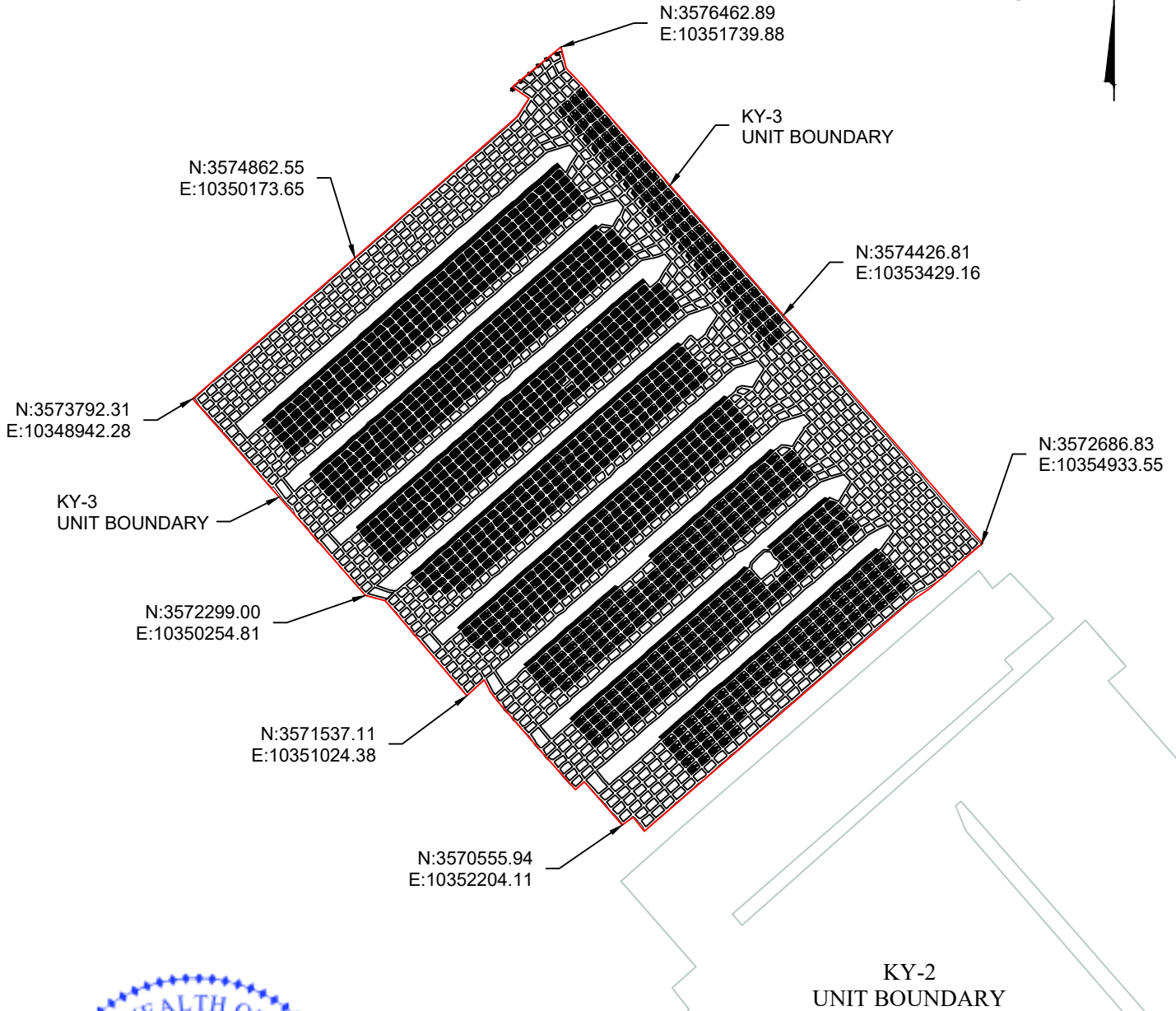
THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS,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

Exhibit E
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)

	Acres in Unit	Interest in Unit
<u>Tract One - #TL-219 Mae Smith Rowlett Tract (67.202 Acres)</u>		
(1) Unknown – Gas and Surface	22.31 acres	5.55%
<u>Tract Three - TC-177 (Charlotte Lynn Rose, et ux) (16.50 Acres)</u>		
(1) Unknown – Gas and Surface	0.49 acres	0.12%
<u>Tract Four - #Irene & Jack Fields (15.33 Acres)</u>		
(1) Unknown – Gas and Surface	7.66 acres	1.91%
<u>Tract Five – Portion of Elexius Smith – Various unknown surface, oil, and gas owners</u>		
(1) Unknown – Gas and Surface	19.16 acres	4.77%
<u>Tract Ten – TC-177 - D. L. French (“150” acres) Portion of Elexius Smith – Various unknown surface, oil, and gas owners</u>		
(1) Unknown – Gas and Surface	43.57 acres	10.84%
<u>Tract Twelve – Albert C. Adkins, et al. (58.00 acres)</u>		
(1) Unknown – Gas and Surface	2.40 acres	0.60%
TOTALS	95.59 acres	23.79%

EXHIBIT L

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



KEYROCK ENERGY LLC DEEP MINE 41 UNDERGROUND MINE MAP KY-3 EXHIBIT L				 Appalachian Technical Services, Inc. OFFICE-STATE	
QUAD DISTRICT NORA KENADY		Coordinate System COORD			
Drawing Number KY-3EXHIBIT-L		Sheet S1			
Designed By PMS	Drawn By JMC	Checked By PMS	Date 06/12/2023	Project Number 1892.01	Scale 1"=1200'
				S1	

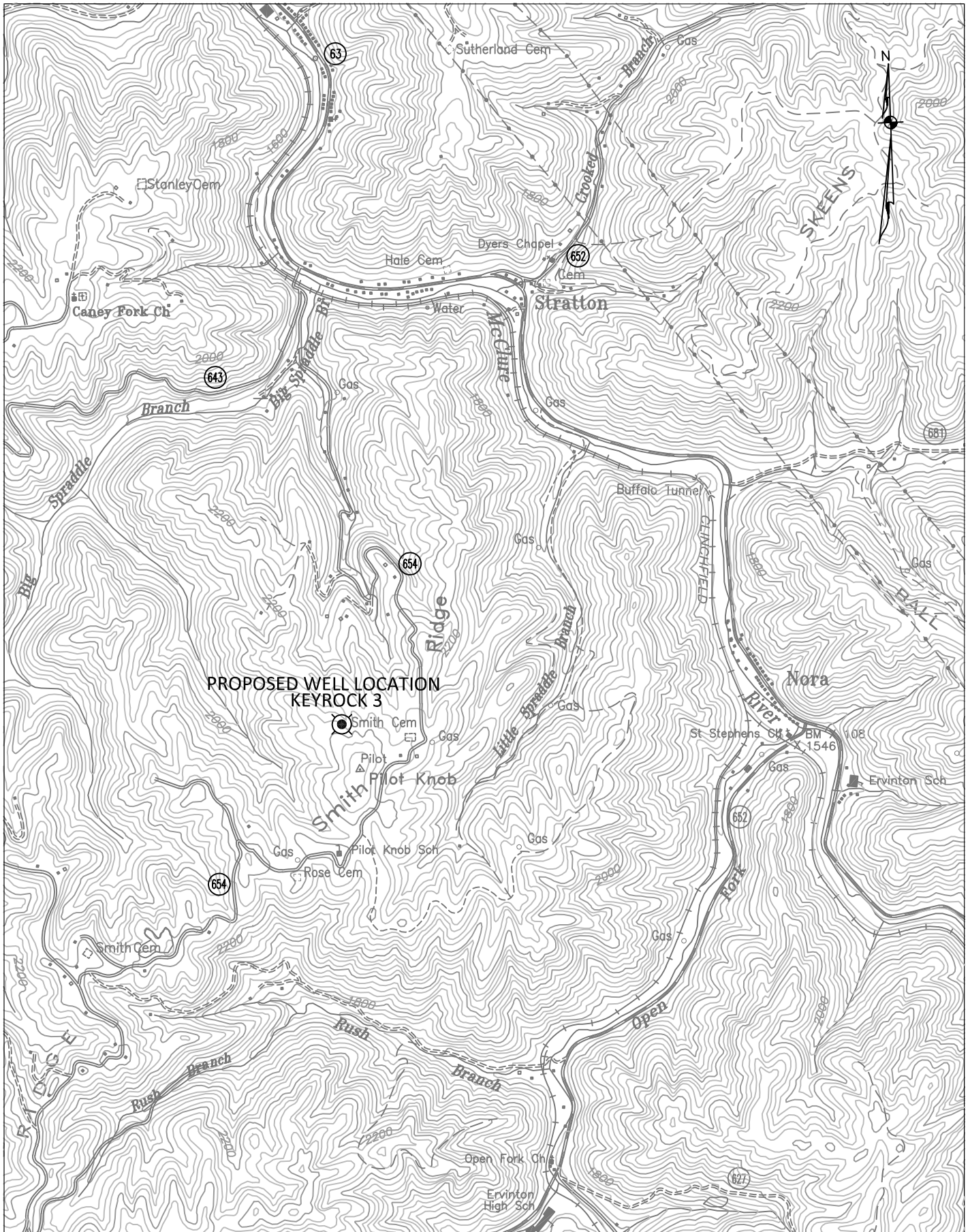
Exhibit D
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)

	Acres in Unit	Interest in Unit
<u>Tract Two - #TD-119 Elexius Smith (43.18 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC - CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	30.63 acres	7.62%
<u>Tract Six - #T-185 Elexius Smith (266.72 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	199.84 acres	49.71%
<u>Tract Seven - Noah Smith (118.30 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	0.74 acres	0.18%
<u>Tract Eight – Bronson Ramsey (710.00 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- Oil, Gas & CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	0.93 acres	0.23%
<u>Tract Nine – D. L. French (118.28 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC	63.14 acres	15.71%

**Exhibit D
Keyrock #3
VGOB Docket # 23-0919-4273
List of Owners in a Sealed Gob
(401.983 Acre Unit)**

	Acres in Unit	Interest in Unit
ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011		
<u>Tract Eleven – D. L. French (22.00 Acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	10.75 acres	2.67%
<u>Tract Thirteen – T-146 Elexius Smith (40 acres)</u>		
(1) ENERVEST XIV-A NORA LLC ENERVEST ENERGY INSTITUTIONAL FUND XIV-1A, L.P. ENERVEST XIV-WIC NORA LLC- CBM Capitol Corporate Services, Inc. 10 South Jefferson St. Ste 1400 Roanoke, VA, 24011	0.36 acres	0.09%

		Exhibit I		
		Unit # 3		
	VGOB Docket # 23-0919-4273			
	List of all Wells Incl. the Sealed Gob			
	(401.983 Acre Unit)			
<u>UNIT NUMBER</u>	<u>WELL NUMBER</u>	<u>DGO FILE NUMBER</u>	<u>STATUS</u>	<u>TYPE WELL</u>
BG-36	P-550451	DI-1135	Producing	Conventional
BH-37	121	A05DK	Released	Conventional
BH-38	P-115(116)	A09DK	Released	Conventional
BH-39	P-454	DI-0413	Released	Conventional
BH-39	P-454C	DI-0670	Producing	Coalbed
BH-40	VC-536108	DI-1240	Plugged/Abandoned	Coalbed
BH-40	VC-3754	DI-0885	Plugged/Abandoned	Coalbed
BH-40	P-96(117)	A10DK	Producing	Conventional
BI-39	VC-503042	DI-1324	Producing	Coalbed
BI-39	P-98(122)	A03DK	Released	Conventional
BI-40	VC-704511	DI-1034	Producing	Coalbed



KEYROCK ENERGY LLC		General Location Map		Designed By PMS	Drawn By PMS	Checked By PMS	Date 05-26-23
 Appalachian Technical Services, Inc. Engineering, Architecture, Surveying, Ecology & Environmental Science 1000 W. 10th St. P.O. Box 1000 Dickenson, KY 40301 Phone: 502-333-1000 Fax: 502-333-1001 Email: info@atsinc.com 1000 W. 10th St. P.O. Box 1000 Dickenson, KY 40301 Phone: 502-333-1000 Fax: 502-333-1001 Email: info@atsinc.com				Project Number 1892.01		Scale 1" = 2000'	
		Drawing Number 2000 LOCATION		Sheet 1 of 1			
		Well No. KY-3 Dickenson County				Nora Quadrangle Ervinton District	

MEMORANDUM OF PAID UP METHANE GAS LEASE

ENERVEST XIV-A NORA LLC (50.10494%), ENERVEST ENERGY INSTITUTIONAL FUND XIV-A1, L.P. (15.00000%) and ENERVEST XIV-WIC NORA LLC (34.89506%), each a Delaware limited partnership c/o EnerVest Operating, L.L.C. (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 12th, 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 19th day of January 2022, but to be effective January 12, 2022.

LESSOR:

EnerVest Operating, L.L.C.

By: Meriug Miller MM.

Its: Vice President - Land

LESSEE

Keyrock Energy, LLC

Mark Ataman

managing Director

Lessee

Keyrock Energy LLC

By: Mark Allaman

Name: Mark Allaman

Title: Managing Director

ACKNOWLEDGEMENT

STATE OF PENNSYLVANIA

)

) S

COUNTY OF BUTLER

)

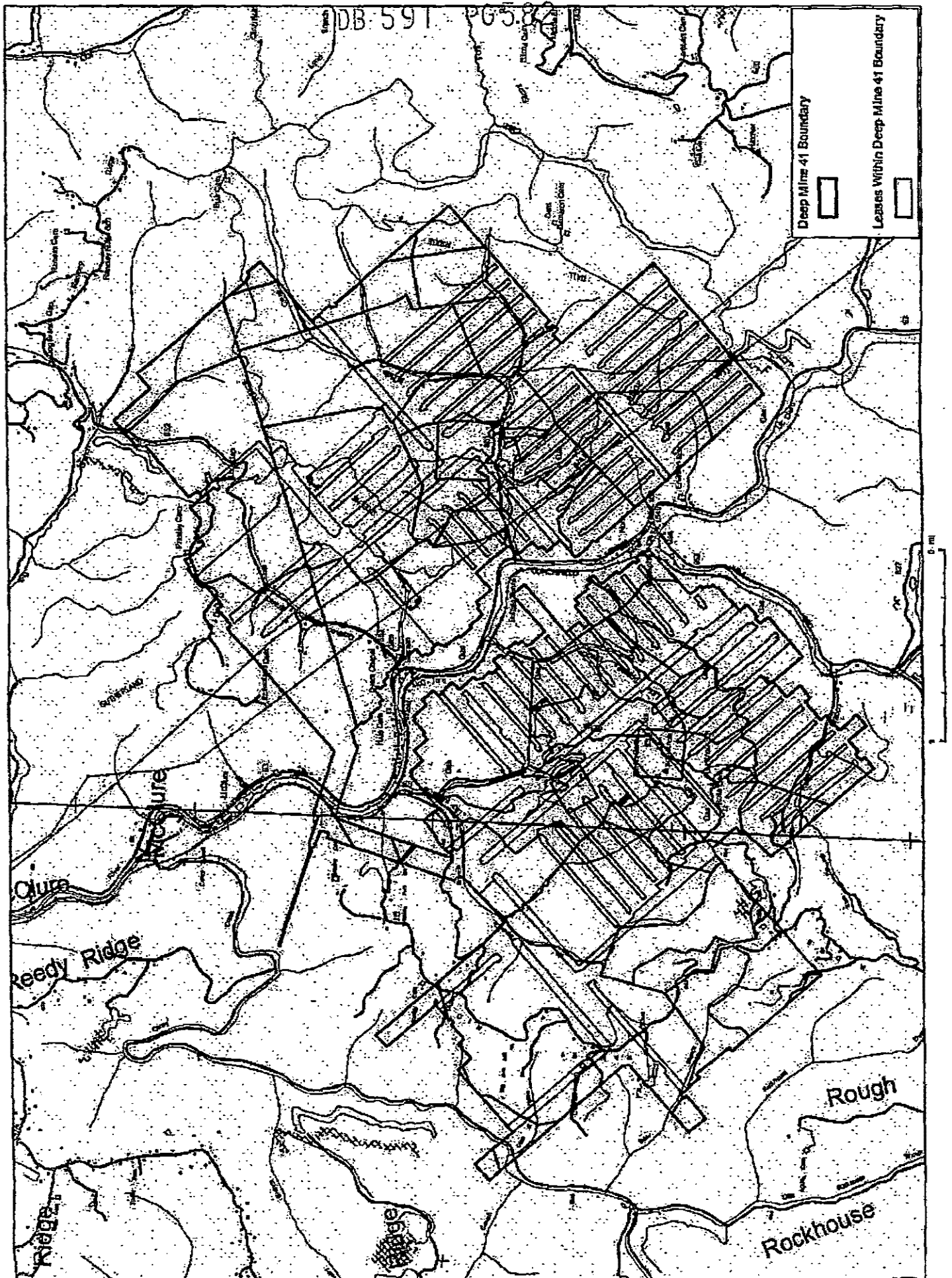
Venango

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

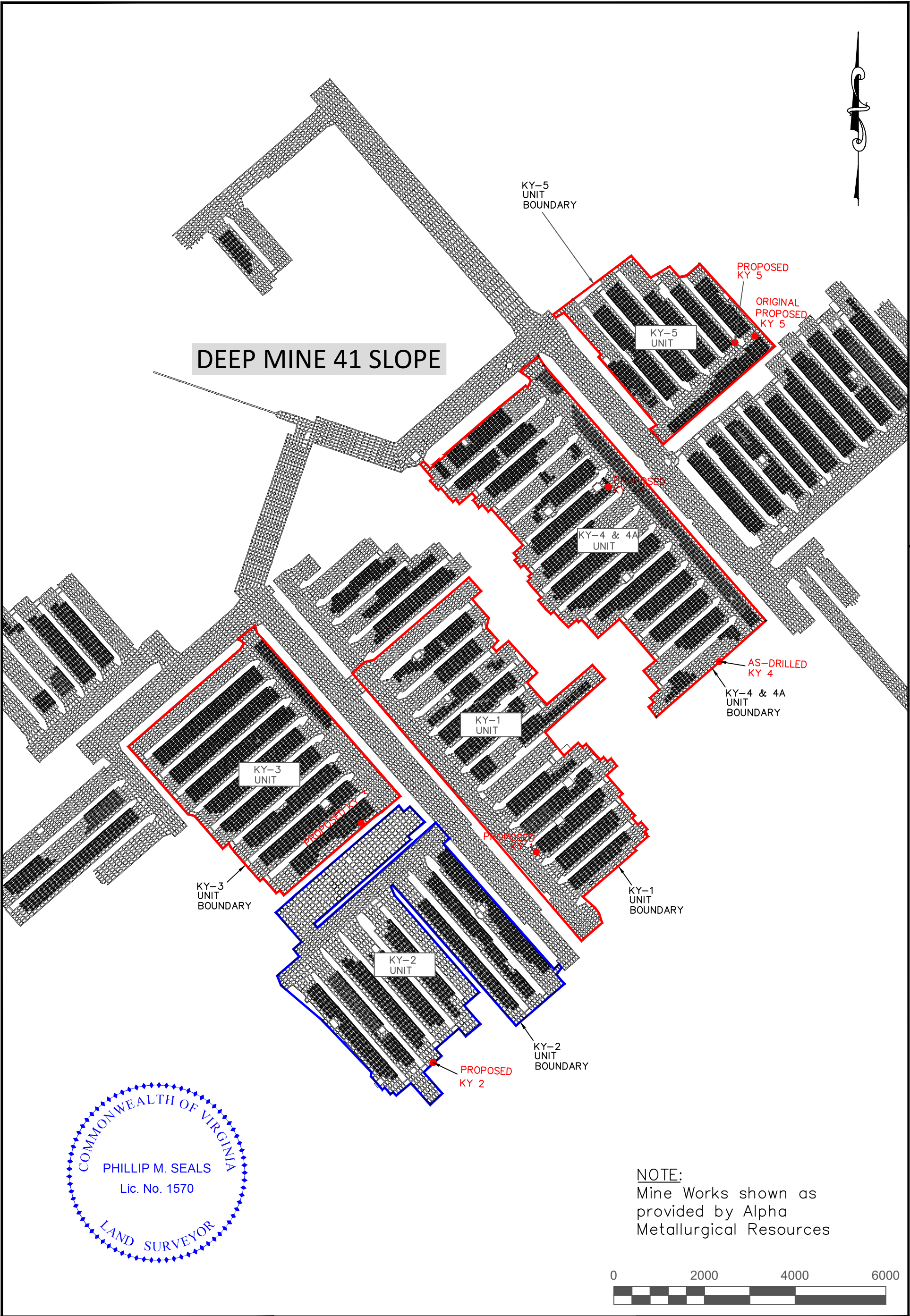
My Commission Expires: 12-17-22

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"



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



 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	Designed By: PMS	Drawn By: PMS	Checked By: PMS	Date: 07/26/23
		Project Number: 1892.01	Scale: 1" = 2000'	Quadrangle: NORA	
	DEEP MINE 41 UNDERGROUND MINE MAP WITH KEYROCK 1-5 UNITS	Drawing Name: Mineworks With KY1-5 Well Units 7-26-23			01
		Sheet/Layout: DM 41 WITH DRILLING UNITS			01

PAID UP COALBED METHANE LEASE

THIS PAID UP COALBED METHANE LEASE ("Lease"), made this _____ day of January, 2022, between ENERVEST XIV-A NORA LLC (50.10494%), ENERVEST ENERGY INSTITUTIONAL FUND XIV-A1, L.P. (15.00000%) and ENERVEST XIV-WIC NORA LLC (34.89506%), each a Delaware limited partnership (collectively referred to as "Lessor") c/o EnerVest Operating, L.L.C. whose address is 408 W Main Street, Abingdon, VA 24210, and Keyrock Energy, L.L.C., a Delaware limited liability corporation, whose address is 207 E. Main Street, Suite 2-D, P.O. Box 2223, Johnson City, TN 37605 ("Lessee").

1. **Grant.** Lessor, in consideration of the sum of One and no/100 dollars (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and of the covenants and agreements herein contained, does hereby grant unto Lessee all of the coalbed methane ("CBM"), in and under the lands hereinafter described together with the exclusive right to explore, drill and operate for, produce, flare, and market CBM, the right to lay pipeline to transport CBM from the lands leased hereunder and other lands, the right to build and install such tanks, equipment and structures ancillary thereto to carry on operations for CBM, together with the right to enter thereon at all times and to occupy, possess and use so much of said premises as is necessary and convenient for all purposes described herein. Lessee shall have the right to stimulate or fracture the coal seam to facilitate the production of CBM, subject to the depth restrictions in the Addendum attached hereto, and the appropriate regulatory and mineral estate approvals required.

2. **Description.** This Lease covers the premises situated between the waters of the Buffalo Creek and Caney Creek of Dickenson County, Virginia, containing See Exhibit 'A' acres, more or less, being the same lands depicted on Exhibit "A" hereto attached commonly known as Deep Mine 41(the "Leased Premises").

3. **Term of Lease.** This Lease shall remain in force for a primary term of THREE (3) years and as long thereafter as CBM is being produced or Drilling operations have commenced on the Leased Premises.

4. **Royalty:** Lessee shall pay to Lessor a royalty equal to Twelve and One-Half Percent (12.5 %) of the net amount realized by Lessee from the sale and delivery of all CBM produced and sold from the Leased Premises. Such royalty shall be calculated at the mouth of the well after deducting from such royalties Lessor's pro-rata share of reasonable post-production costs, including without limitation (i) all costs of metering, gathering, marketing, compressing, dehydrating, and transporting the produced volumes; (ii) all costs associated with the processing and removal of natural gas liquids and other liquids or gaseous substances or impurities from the produced volumes; and (iii) all costs of any other treatment or processing such deductions shall not exceed sixty cents (\$0.60) per mmbtu of gas produced. Lessee may also deduct from royalties a pro-rata share of any severance or other tax, fee, or assessment imposed by any governmental agency that is levied upon the value of reserves, production or the severance of CBM produced from the Leased Premises. Royalties shall be paid on the volumes of CBM sold by Lessee, and Lessor shall not be entitled to royalties for any line loss or fuel for compression. Payment of royalties for sales made during any calendar month shall be on or about the 30th day after receipt by Lessee of payment for such sales. At the point that monthly royalty payments average less than \$50.00 per month over a 3-month period, Lessee shall have the right, but not the obligation, to make any or all future royalty payments on an annual basis.

5. **Paid-Up Lease.** This is a "Paid-Up Lease." The initial payment as agreed to in the "Order of Payment" (executed contemporaneously herewith) shall operate as a rental and cover the privilege of deferring the commencement of operations for the full term of this Lease. This and all other payments due under this Lease shall be made by cash or check and shall be deemed tendered when either delivered or mailed to Lessor at the above address. There shall be no requirement to pay additional delay rentals under the Lease. If Lessor owns a lesser interest in the Leased Premises than the entire undivided fee simple estate therein, then the royalties and rentals provided for herein shall be paid to the Lessor only in the proportion that its interest bears to the whole and undivided fee.

6. **Ownership Changes.** Lessee reserves the right to mortgage its interest in whole or part without prior notice to the Lessor.

7. **Regulation and Delay.** This Lease shall be subject to all laws and governmental rules and regulations. This Lease shall not terminate, in whole or in part, nor shall Lessee be held liable for failure to comply herewith, if compliance is prevented would result in the breach of any such law or governmental rule or regulation. Lessor grants Lessee the authority to compromise or settle any disputes with government agencies relating to this Lease or production therefrom. In the event the Lessee is unable

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to perform any of the acts to be performed by the Lessee by reason of force majeure including but not limited to acts of God, strikes, riots, and governmental restrictions, this Lease shall nevertheless remain in full force and effect until the Lessee can perform said act or acts.

8. **Pooling:** Lessee is hereby granted the right at any time to unitize or pool the Leased Premises or any portion thereof, subject to the depth restrictions contained herein, with any other lands for the production of CBM. Operations upon and production from the unit shall be treated as if such operations were upon or such production were from the Leased Premises whether or not the well or wells are located thereon, provided, however, that Lessee shall pay Lessor, in lieu of other royalties thereon, only such proportion of the royalties stipulated in Paragraph 4 as the amount of Lessor's acreage placed in the unit, or Lessor's royalty interest therein on an acreage basis, bears to the total acreage in the unit. Lessee shall have the right to amend, alter or correct any such drilling unit or consolidation at any time in the same manner as herein provided.

9. **Entireties.** If the Leased Premises is owned by two or more parties, or the ownership of any interest therein should hereafter be transferred by sale, devise or operation of law, said land, nevertheless, may be held, developed and operated as an entirety, and the rentals and royalties shall be divided among and paid to such several owners in the proportion that the acreage owned by each such owner bears to the entire Leased Premises.

10. **Surface Use.** Following completion of any producing well, Lessee shall (a) fill all the pits used during drilling which are not required either for production purposes or by any government regulations; (b) remove all concrete bases, drilling supplies and drilling equipment; and (c) grade, plant, and seed the area disturbed by drilling that is not required in production of the well, where necessary to bind the soil and prevent substantial erosion and sedimentation.

11. **Access Roads.** Lessee shall have the right, but not the obligation, to use existing access roads currently owned and maintained by Lessor. If Lessee elects to use an access road, Lessee will provide to Lessor a map of the road and the anticipated dates of usage, and Lessor and Lessee will enter into a joint maintenance agreement that is equitable for use of the road. Lessee may upgrade any of Lessor's access roads they may use with prior written consent from the Lessor, and all upgrades and repairs will be performed in accordance with Virginia Department of Energy standards. Under no circumstances will Lessee cause damage or loss to any access road, and will immediately repair any such damage at Lessee's sole expense.

12. **Electricity.** Lessor agrees, to the extent it has an existing source of electricity with excess electricity available in any area where Lessee is engaged in the exploration or production of Methane from the Lands, and to the extent permitted by applicable law or regulation, Lessee shall be permitted to access Lessor's source of electricity to obtain electricity for use in connection with Lessee's methane exploration and production operations. Lessee shall pay any expenses associated with accessing Lessor's electrical grid and with Lessee's use of electricity.

13. **Release of Lease.** Lessee may at any time surrender all or any part of this Lease by recording a release of lease in Dickenson County, Virginia and delivering or mailing a copy of said release with recording reference to Lessor.

14. **Breach or Default.** In the event Lessor believes that the Lessee has not complied with any of its obligations hereunder, Lessor shall notify Lessee in writing, setting out specifically in what respects Lessee has breached this Lease. Lessee shall then have thirty (30) days after receipt of said notice within which to resolve or commence to resolve all or any part of the breaches alleged by Lessor. Lessor shall not bring any cause of action against Lessee for breach of the Lease sooner than thirty (30) days after service of such notice on Lessee, and only if Lessee has failed to resolve or failed to commence to resolve all or any part of the breaches alleged by Lessor. Neither the service of said notice nor the doing of acts by the Lessee aimed to resolve any or all of the alleged breaches shall be deemed an admission or presumption that Lessee has failed to perform all its obligations hereunder.

15. **Agreement.** This Lease and all its terms, conditions, and stipulations shall extend to and be binding on all heirs, successors and assigns of Lessor or Lessee. This Lease contains all of the agreements and understandings of the Lessor and the Lessee respecting the subject matter hereof and no implied covenants or obligations, or verbal representations or promises, have been made or relied upon by Lessor or Lessee supplementing or modifying this Lease or as an inducement thereto. All implied covenants are hereby disclaimed by the Lessor and Lessee, including, but not limited to, any implied duty to market and implied duty to develop the CBM.

Lessee:

Keyrock Energy LLC

By: 
Name: Morgan Pate
Title: Authorized Agent

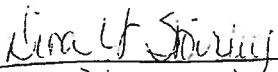
ACKNOWLEDGEMENT

STATE OF TENNESSEE)
) §
COUNTY OF WASHINGTON)

The foregoing instrument was acknowledged before me this 10th day of January, 2022 by Morgan Pate, as Authorized Agent of KEYROCK ENERGY, LLC, on behalf of the limited liability company.

My Commission Expires: 6-27-23




Notary Public

Lease Addendum

1. **Indemnification.** Lessee agrees to indemnify, protect, save harmless and defend Lessor from and against any loss, injury, damage, claim, reclamation requirement of the Virginia Department of Mines, and Minerals (DMME), environmental damage or expense occurring as a result of the Lessee's use of the Leased Premises or which would not have occurred but for the Lessee's use of the Leased Premises, except to the extent any such loss, injury, damage, claim or expense is caused by the Lessor's negligence.

2. **Assignment.** This Lease shall not be assigned in part or whole without the expressed written consent of the Lessor.

3. **Existing Coal Agreement.** Lessor acknowledges that the Leased Premises are subject to an unrecorded Letter Agreement dated 9-12-2018 by and between Contura, ACIN, & etc. for the purpose of laying out guidelines for the co-development of the Coal, Oil, Gas, and Coal Bed Methane on jointly owned properties located in Dickenson and Buchanan Counties, Virginia. Lessor further acknowledges that they are subject to said agreement.

4. **Depth Restriction.** The terms of this Lease are confined to the mined interval of Deep Mine No. 41, otherwise defined as the Jawbone Seam. This Lease does not include and there is hereby excepted and reserved unto the Lessor any and all oil, gas, and other mineral bearing strata, as well as all coals and coalbed methane both shallower and deeper than targeted Deep Mine No. 41, contained within the Jawbone Coal Seam.

5. **Royalty on Sale of Electricity or Sale of Carbon Credits.** Lessor shall receive a royalty of Twelve and One-Half Percent (12.5%) of the gross proceeds actually received by Lessee or any of Lessee's affiliates from the sale of electricity generated from combustion of the CBM and/or the sale of Carbon Credits (as defined herein) from the CBM, minus this same percentage share of all Post-Production Costs and minus this same percentage share of all production, severance and ad valorem taxes.

(a) Carbon Credit, as used herein, means a product representing the removal, limitation, reduction, avoidance, sequestration, or migration of greenhouse gas emissions generated or issued under any governmental or non-governmental program. By way of example, this includes California Carbon Offsets ("CCO"), which are credits issued by the California Air Resources Board.

6. **Shut-in Payments.** Lessee may, at its option, cease production from any part or all of the wells located on the Leased Premises, or any wells located on another tract pooled with the Leased Premises for the necessary maintenance or repair of Lessee's equipment, an event of force majeure, or when production from the specific mine as shown in Exhibit "A" has reached its annual production limit as defined by the equations set forth in the Compliance Offset Protocol Mine Methane Capture Projects, California Environmental Protection Agency, Air Resources Board, upon five (5) days written notice to Lessor, without such cessation of production operating to terminate the Lease.

(a) Lessee shall tender to Lessor on the first day of the month following the initial cessation of production a shut-in payment of One Thousand Dollars (\$1,000.00). Lessee shall continue to tender to Lessor shut-in payments of One Thousand Dollars (\$1,000.00) on the first of each month until the well or wells have been returned to production.

(b) After twelve (12) continuous months of no production, the shut-in payment shall be increased to One Thousand Five Hundred Dollars (\$1,500.00) per month, paid in quarterly installments.

(c) The shut-in payments may be suspended at any time by Lessee upon Lessee's written notice to Lessor, accompanied by Lessee's executed release of Lease.

(d) The Lease shall terminate automatically, and Lessee shall record a release of lease in Dickenson County, Virginia, after twenty-four (24) continuous months of no production.

7. **Commingling.** Lessee may commingle the production from the Leased Premises ("Produced CBM") with coal bed or coal mine methane produced from properties other than the Leased Premises ("Other Methane") prior to its sale. In the event the Produced CBM is commingled, Lessee shall install meters capable of measuring all Produced CBM from the Leased Premises, and all Other

Methane commingled with the Produced CBM. Lessor's royalties shall be determined by prorating total sales from Lessee's system according to the ratio of Produced CBM and Other Methane introduced into Lessee's system.

8. **Lessor's Title Information.** Lessor agrees to make available to Lessee for inspection and copying all existing title information in Lessor's possession concerning the Leased Premises. Lessor makes no warranties concerning the completeness or accuracy of any such information and shall have no obligation to extend, update, or supplement any title information for Lessee's use. For purposes of this paragraph, "title information" includes but is not limited to abstracts, title insurance policies and commitments and title opinions.

9. **Leasehold Limitation.**

(a) Lessee has familiarized itself with the deeds and title papers under which Lessor owns the rights granted hereunder, and the parties hereto understand that this Lease only grants such rights as are owned by Lessor as of the effective date and which it has the right to grant.

(b) It is the duty of Lessee to familiarize itself with the exact location of the Leased Premises and to ensure that all development activities are confined to the Leased Premises.

(c) The parties hereto agree that, if mining operations heretofore have been conducted on or under the Leased Premises, Lessor has not made and does not now make any representations concerning the condition of any seam of coal on the Leased Premises, previous mining thereon, or the condition of the surface, structures, or works therein or thereon.

(d) Lessee acknowledges that, prior to the execution of this Lease, it (a) has made an independent examination of data concerning the Leased Premises, (b) has inspected the Leased Premises and is familiar with the physical condition thereof, and (c) has fully informed itself as to all existing conditions and limitations applicable to the Leased Premises. Lessee acknowledges that it has independently analyzed any information provided by Lessor with regard to the Leased Premises and agrees that the furnishing of any information to the Lessee shall not constitute a representation that such information is accurate or complete or a warranty that the Leased Premises confirms thereto. Lessee accepts the CBM and Produced CBM as is and without any warranty, expressed or implied, with regard to the quality of the gas or gas volumes realized by Lessee.

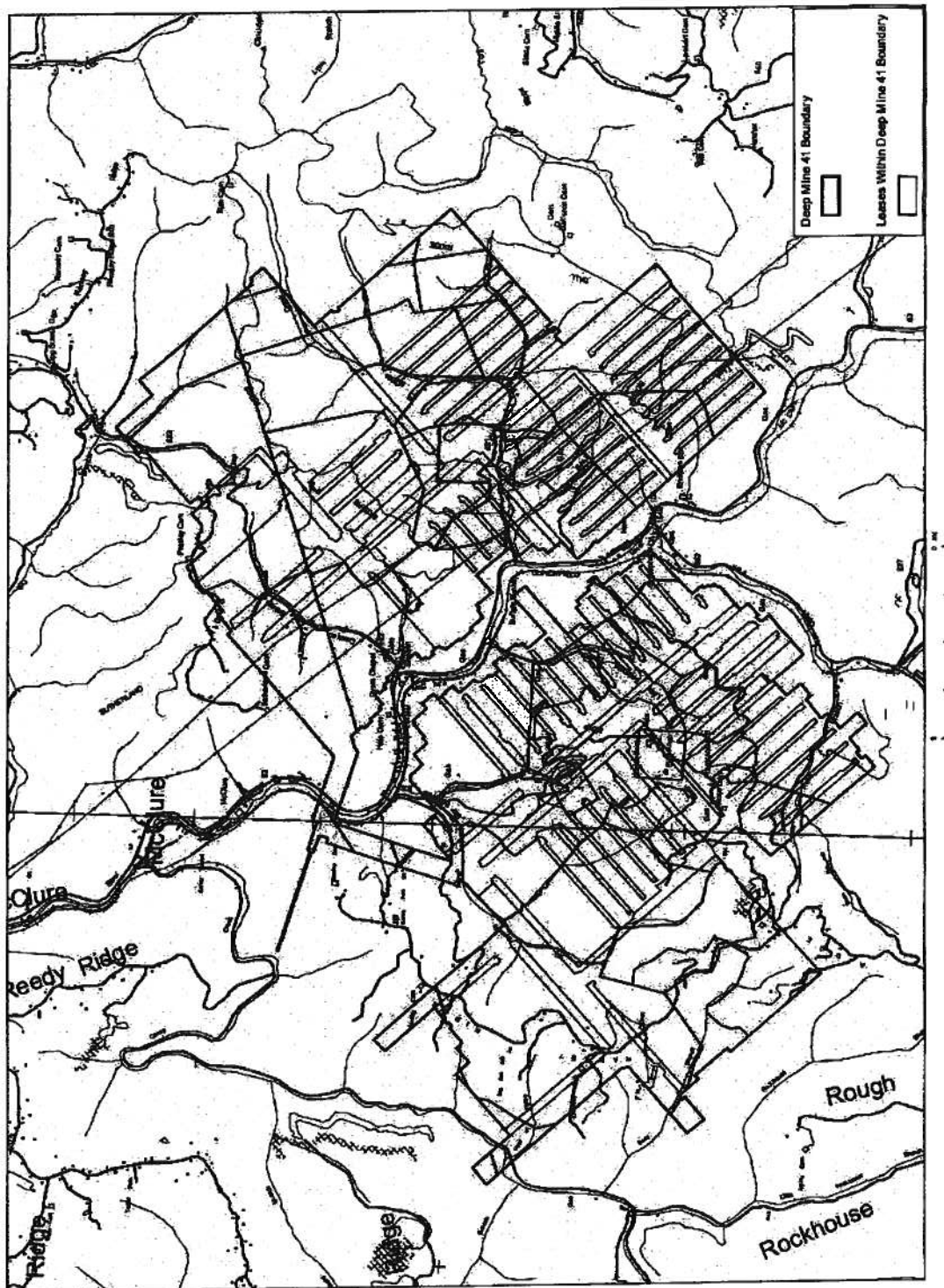
(e) Nothing herein contained shall be deemed or construed to be a covenant for quiet enjoyment or a warranty of title on the part of the Lessor, either express or implied, but Lessee must respect and observe all limitations or defects in the title of Lessor in and to the Leased Premises, said land, coal rights, and all other rights appurtenant thereto. It is likewise understood by Lessee that Lessor gives no warrant as to the quality or quantity of the gas contained in the abandoned mines and assumes no liability due to any deficiency that may exist or develop therein.

(f) To the best of Lessor's knowledge, there are no conflicts between this Lease and any other lease or license issued by Lessor. However, if a conflict arises as to the extent of the boundaries or an overlapping with Lessor's other leases or licenses, then the lease or license that first became effective shall prevail and Lessor shall have no liability or obligation to Lessee as a result thereof.

(g) Lessor does not claim ownership of or any rights to the surface of the Leased Premises other than those surface rights conveyed to Lessor in its deeds.

10. **Insurance.** At all times while operations are conducted upon the Leased Premises, Lessee shall comply with the workers compensation law of the state in which its operations are being conducted. Lessee shall require all contractors engaged by it with respect to any of the operations to comply with the workers compensation law of the state where the applicable operations are being conducted.

Exhibit "A"



VIRGINIA:

BEFORE THE VIRGINIA DEPARTMENT OF ENERGY

APPLICANT:	KEYROCK ENERGY, LLC	)	VIRGINIA GAS
		)	AND OIL BOARD
RELIEF SOUGHT:		)	
	CREATION OF SEALED GOB	)	
	DRILLING UNIT AND POOLING	)	DOCKET NO.
	OF INTERESTS IN A 482.10	)	VGOB 23-0919-4273
	ACRE DRILLING UNIT	)	
	DESCRIBED IN EXHIBIT A	)	
	HERETO LOCATED IN THE	)	
	NORA COALBED GAS FIELD	)	
	AND SERVED BY WELL NO.	)	
	KEYROCK #3 (HEREIN	)	
	"SUBJECT DRILLING UNIT")	)	
	PURSUANT TO §§ 45.2.1620	)	
	AND 45.2-1622 OF THE CODE	)	
	OF VIRGINIA, FOR THE	)	
	PRODUCTION OF COALBED	)	
	METHANE GAS FROM THE	)	
	MINED OUT JAWBONE COAL	)	
	SEAM (HEREINAFTER	)	
	"SUBJECT FORMATION") IN	)	
	THE CONTURA DEEP MINE 41	)	
	IN DICKENSON COUNTY,	)	
	VIRGINIA (HEREIN "COALBED	)	
	METHANE GAS" OR "GAS")	)	
		)	
	DRILLING UNIT SERVED BY WELL	)	
	NUMBERED KEYROCK #3 TO BE DRILLED	)	
	IN THE LOCATION DEPICTED ON EXHIBIT A	)	
	HERETO, JOHN ELKLOR 36.50 ACRE TRACT	)	
	NORA QUADRANGLE KENADY DISTRICT	)	
	DICKENSON COUNTY, VIRGINIA	)	

REPORT OF THE BOARD

FINDINGS AND ORDER

1. **HEARING DATE AND PLACE:** This matter came for hearing before the Virginia Gas and Oil Board (hereafter "Board") at 10:00 a.m. on September 19, 2023, at 3405 Mountain Empire Road, Big Stone Gap, Virginia.
2. **APPEARANCES:** Freddie E. Mullins appeared for the Applicant.
3. **JURISDICTION AND NOTICE:** Pursuant to §§ 45.2-1600 et seq. of the Code of Virginia, the Board finds that it has jurisdiction over the subject matter. Based upon the evidence presented by Applicant,

the Board also finds that the Applicant has (1) exercised due diligence in conducting a meaningful search of reasonably available sources to determine the identity and whereabouts of each gas and oil owner, coal owner, or mineral owner having an interest in the Subject Drilling Unit (482.10 acre drilling unit being more particularly described on "Exhibit A" attached hereto and made a part hereof) underlying and comprised of Subject Lands ("Subject Lands" being more particularly described on "Exhibit A", attached hereto and made a part hereof);; and (2) represented to the Board that it has given notice to those parties (hereafter sometimes "person(s)" whether referring to individuals, corporations, partnerships associations, companies, businesses, trusts, joint ventures or other legal entities) entitled by § 45.2-1618 of the Code of Virginia to notice of this application; and (3) that the persons set forth in Exhibit B-3 hereto have been identified by Applicant as persons who may be Owners or Claimants of Coalbed Methane Gas interests in Subject Formations in the Subject Drilling Unit who have not heretofore agreed to lease or sell to the Applicant and/or voluntarily pool their Gas interests. Further, the Board has caused notice of this hearing to be published as required by § 45.2-1618 of the Code of Virginia. Whereupon, the Board hereby finds that the notices given herein satisfy all statutory requirements, Board rule requirements, and the minimum standards of state due process.

4. AMENDMENTS: None.

5. DISMISSALS: None

6. RELIEF REQUESTED: Applicant requests (1) that pursuant to Va. Code § 45.2- 1622, including the applicable portions of § 45.2-1620, the Board pool the rights, interests and estates in and to the Gas in the Subject Drilling Unit, including those of the Applicant and of the known persons named in Exhibit B hereto and that of their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling and operation, including production, of Coalbed Methane Gas produced from the Subject Drilling Unit established for the Subject Formation underlying and comprised of the Subject Lands, (hereafter sometimes collectively identified and referred to as "well development and/or operation in the Subject Drilling Unit") for the purpose of combusting coalbed methane gas to generate carbon credits for sale on the open market; (2) the Board create a sealed gob unit for the coalbed methane gas produced from the Subject Drilling Unit ; and, (3) that the Board designate Keyrock Energy, LLC as the Unit Operator.

7. RELIEF GRANTED: The requested relief in this cause shall be and hereby is granted and: (1) pursuant to §45.2-1620 of the Code of Virginia, Keyrock Energy, LLC (hereafter "Unit Operator" or "Operator") is designated as the Unit Operator authorized to drill and operate the Well in Subject Drilling Unit at the location depicted on the plat attached hereto as Exhibit A, subject to the permit provisions contained in § 45.2.1629, et seq. of the Code of Virginia, to §§ 4 VAC 25-150 et seq., Gas and Oil Regulations; to §§ 4 VAC 25-160 et seq., Virginia Gas and Oil Board Regulations and to the Nora Coalbed Gas Field Rules established by the Oil and Gas Conservation Board's Order entered March 26, 1989; all as amended from time to time, as a sealed gob unit for the purpose of combusting coalbed methane gas to generate carbon credits for sale on the open market; and (2) all the interests and estates in and to the Gas in Subject Drilling Unit, including that of the Applicant, the Unit Operator and of the known persons listed on Exhibit B, attached hereto and made a part hereof, and their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, be and hereby are pooled in the Subject Formations in the Subject Drilling Unit underlying and comprised of the Subject Lands.

8. ELECTION AND ELECTION PERIOD: In the event any Owner or Claimant named in Exhibit B-3 hereto does not reach a voluntary agreement to share in the operation of the well located in the Subject Drilling Unit, at a rate of payment mutually agreed to by said Gas Owner or Claimant and the Unit Operator, then such person named may elect the options outlined in Paragraph 9 below and must give written notice of his election of the option to the designated Unit Operator at the address shown below within thirty (30) days from the date of receipt of a copy of this Order. A timely election shall be deemed to have been made if, on or before the last day of said 30-day period, such electing person has delivered his written election to the designated Unit Operator at the address shown below or has duly postmarked and placed its written election in first class United States mail, postage prepaid, addressed to the Unit Operator at the address shown below.

9. ELECTION OPTION.

9.1. Option 1 - To Participate In the Well Development and Operation of the Drilling Unit: Any Gas Owner or Claimant named in Exhibit B-3 who does not reach a voluntary agreement with the Unit Operator may elect to participate in the Well Development and Operation in the Subject Drilling Unit (hereafter "Participating Operator") by agreeing to pay the estimate of such Participating Operator's proportionate part of the actual and reasonable costs of the well Development contemplated by this Order for Gas produced under the Nora Field Rules, including a reasonable supervision fee, as more particularly outlined in Virginia Gas and Oil Board Regulation 4 VAC 25-160-100 (herein "Completed-for- Production Costs"). Further, a Participating Operator agrees to pay the estimate of such Participating Operator's proportionate part of the Completed-for-Production Cost as set forth below to the Unit Operator within forty-five (45) days from the later of the date of mailing or the date of recording of this Order. The Completed-for-Production Cost for the Subject Drilling Unit is as follows:

Completed-for-Production Costs: \$261,930.00

A Participating Operator's proportionate cost hereunder shall be the result obtained by multiplying the Participating Operator's "Interest in Unit" times the Completed-for-Production Cost set forth above. Provided, however, that in the event a Participating Operator elects to participate and fails or refuses to pay the estimate of his proportionate part of the Completed-for-Production Cost as set forth above, all within the time set forth herein and in the manner prescribed in Paragraph 8 of this Order, then such Participating Operator shall be deemed to have elected not to participate and to have elected compensation instead of participation under Paragraph 9.2 herein.

9.2. Option 2 - Compensation. Any Gas Owner or Claimant named in Exhibit B-3 who does not reach a voluntary agreement with the Unit Operator may elect to participate under the following terms:

- Royalty: For each tract owned by the Lessor, Lessee shall pay Lessor royalties calculated as 12.5%, multiplied by the ratio of the acreage of that tract to the total acreage of the Subject Drilling Unit (under Va. Code § 45.2-1620(B)), multiplied by the revenue from the sale of Carbon Credits. In the event the sale of Carbon Credits is not approved by the California Air Resources Board (CARB) or if the market value generates no revenue, there would be no royalty paid based on the gas production.
- Depth Restriction: All terms of this lease are confined to the mined-out interval of Deep Mine No. 41, otherwise defined as the Jawbone Seam.
- Shut-in Payments: If production has ceased from the proposed well within the pooled

boundary, Lessee shall tender to Lessor a shut-in royalty on the first day of the month following the initial cessation of production a payment of \$1,000.00. Lessee shall continue to tender to Lessor shut-in payments in the amount of \$1,000.00 per month until the well is plugged or production resumes. The Shut-in Payment is not calculated on a percentage of acreage inside the Pool, but is a payment of \$1,000.00 per Lessor.

9.3. Option 3 - To Share In The Development And Operation As A Non-Participating Person On A Carried Basis And To Receive Consideration In Lieu Of Cash: Instead of participating in the Well development and operation of Subject Drilling Unit under Paragraph 9.1 above and in lieu of receiving a cash consideration under Paragraph 9.2 above, any Gas Owner or Claimant named in Exhibit B-3 who has not reached a voluntary agreement with the Unit Operator may elect to share in the well development and operation in Subject Drilling Unit on a carried basis (as a "Carried Well Operator") so that the proportionate part of the Completed-for-Production Costs hereby allocable to such Carried Well Operator's interest is charged against such Carried Well Operator's share of production from Subject Drilling Unit. Such Carried Well Operator's rights, interests, and claims in and to the Gas in Subject Drilling Unit shall be deemed and hereby are assigned to the Unit Operator until the proceeds from the sale of such Carried Well Operator's share of production from Subject Drilling Unit (exclusive of any royalty, excess or burden reserved in any lease, assignment thereof or agreement relating thereto covering such interest) equal three hundred percent (300%) for a leased interest or two hundred percent (200%) for an unleased interest (whichever is applicable) of such Carried Well Operator's share of the Completed-for-Production Costs allocable to the interest of such Carried Well Operator. When the Unit Operator recoups and recovers from such Carried Well Operator's assigned interest the amounts provided for above, then, the assigned interest of such Carried Well Operator shall automatically revert back to such Carried Well Operator, and from and after such reversion, such Carried Well Operator shall be treated as if it had participated initially under Paragraph 9.1 above; and thereafter, such participating person shall be charged with and shall pay his proportionate part of all further costs of such well development and operation.

Subject to final legal determination or ownership, the election made under this Paragraph 9.3, when so made, shall be satisfaction in full for the right, interests, and claims of such electing person in any Well development and operation covered hereby and such electing person shall be deemed to have hereby does assign his right, interests, and claims in and to the Gas produced from Subject Formation in the Subject Drilling Unit to the Applicant for the period of time during which its interest is carried as above provided prior to its reversion back to such electing person.

10. Failure to Properly Elect: In the event a person named in Exhibit B-3 hereto has not reached a voluntary agreement with the Applicant or Unit Operator and fails to elect within the time, in the manner, and in accordance with the terms of this Order, one of the alternatives set forth in Paragraph 9 above for which his interest qualifies, then such person shall be deemed to have elected not to and shall be deemed, subject to any final legal determination of ownership, to have elected to accept as satisfaction in full for such person's right, interests, and claims in and to the Gas the consideration provided in Paragraph 9(2) above for which its interest qualifies, and shall be deemed to have leased and/or assigned his right interests, and claims in and to said Gas produced from Subject Formation in Subject Drilling Unit to the Unit Operator. Persons who fail to properly elect shall be deemed to have accepted the compensation and terms set forth herein at Paragraph 9(2) in satisfaction in full for the right, interests, and claims of such person in and to the Gas produced from Subject Formation

underlying Subject Lands

- 11. ASSIGNMENT OF INTEREST:** In the event a person named in Exhibit B-3 is unable to reach a voluntary agreement to share in the well development and operation in the Subject Drilling Unit at a rate of payment agreed to mutually by said Gas Owner or Claimant and the Unit Operator, and said person elects or fails to elect to do other than participate under Paragraph 9(2) above in the well development and operation in Subject Drilling Unit, then such person shall be deemed to have and shall have assigned unto Unit Operator such person's right, interests, and claims in and to said Well, in Subject Formations in Subject Drilling Unit, and other share in and to Gas production to which such person may otherwise be entitled by reason of any election or deemed election hereunder in accordance with the provisions of this Order governing said elections, except that the Gas Owner or Claimant shall be entitled to the royalties, payments, and interests provided in Paragraph 9(2) above.
- 12. UNIT OPERATOR (OR OPERATOR):** Keyrock Energy, LLC shall be and hereby is designated as Unit Operator authorized to drill and operate the Well(s) in Subject Formations in Subject Drilling Unit, all subject to the permit provisions contained in §§ 45.2-1629 et seq. of the Code of Virginia; §§ 4 VAC 25-150 et seq., Gas and Oil Regulations; §§ 4 VAC 25-160 et seq., Virginia Gas and Oil Board Regulations; Oil and Gas Conservation Board ("OGCB") Order establishing the Nora Coalbed Gas Field Rules entered March 26, 1989; all as amended from time to time, and all elections required by this Order shall be communicated to Unit Operator in writing at the address shown below:
- Keyrock Energy, LLC
207 East Main Street, Suite 2-D
P. O. Box 2223
Johnson City, TN 37605
Phone: (423) 726-2070
Email: compliance@keyrockenergy.com
- 13. COMMENCEMENT OF OPERATIONS:** Unit Operator shall commence or cause to commence operations for the drilling of the Well within Subject Drilling Unit within seven hundred thirty (730) days from the date of this Order, and shall prosecute the same with due diligence. If the Unit Operator has not so commenced and/or prosecuted, then this order shall terminate, except for any cash sums then payable hereunder; otherwise, unless sooner terminated by Order of the Board, this Order shall expire at 12:00 p.m. on the date on which the well covered by this Order is permanently abandoned and plugged. However, in the event an appeal is taken from this Order, then the time between the filing of the Petition for Appeal and the Final Order of the Circuit Court shall be excluded in calculating the two-year period reference herein.
- 14. ESCROW PROVISIONS:** The Applicant represented to the Board that there are unknown or unlocatable and there are no conflicting claimants in the Subject Drilling Unit whose payments are subject to the provisions of Paragraph 14.1; and, the Unit Operator has represented to the Board that there are no unlocatable claimants in the Subject Drilling Unit whose payments are subject to the provisions of Paragraph 14.2 hereof.
- 14.1. **ESCROW PROVISIONS FOR UNKNOWN OR UNLOCATABLE PERSONS:** If any payment of bonus, royalty payment or other payment due and owing under this Order cannot be made because the person entitled thereto cannot be located or is unknown, then such cash

bonus, royalty payment, or other payment shall not be commingled with any funds of the Unit Operator and, pursuant to Va. Code § 45.2-1620, said sums shall be deposited by the Unit Operator into the Escrow Account, commencing within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made, by use of a report format approved by the Inspector, by a date which is no later than sixty (60) days after the last day of the month being reported and/or for which funds are being deposited. Such funds shall be held for the exclusive use of, and sole benefit of the person entitled thereto until such funds can be paid to such person(s) or until the Escrow Agent relinquishes such funds as required by law or pursuant to Order of the Board in accordance with Va. Code § 45.2-1620. Therefore, by this Order, the Escrow Agent named herein or any successor named by the Board, is not required to establish an interest-bearing escrow account for the Subject Drilling Unit (herein "Escrow Agent"), and to receive and account to the Board pursuant to its agreement for the escrowed funds hereafter described in Paragraphs 14.1 and 14.2:

First Bank and Trust Company
Trust Division
667 West Main Street
Abingdon, Virginia 24210
Tel: (276) 466-9222
Attn: Jody Maney

- 14.2. ESCROW PROVISIONS FOR CONFLICTING CLAIMANTS: If any payment of bonus, royalty payment or other payment due and owing cannot be made because the person entitled thereto cannot be located or is unknown, then such cash bonus, royalty payment or other payment shall not be commingled with any funds of the Unit Operator and shall, pursuant to Va. Code § 45.2-1620 be lessor's share of proceeds shall be paid and held for his benefit. Such escrowed proceeds shall be deemed to be unclaimed property and shall be disposed of pursuant to the provisions of the Virginia Disposition of Unclaimed Property Act (§ 55.1-2500 et seq.) and shall be deposited by the Operator within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made by a date which is no later than sixty (60) days after the last day of the month being reported and/or for which funds are subject to deposit. Such funds shall be held for the exclusive use of, and sole benefit of the person entitled thereto until such funds can be paid to such person(s).

15. SPECIAL FINDINGS: The Board specifically and specially finds:

- 15.1. Applicant is Keyrock Energy, LLC. Applicant is duly authorized and qualified to transact business in the Commonwealth of Virginia;
- 15.2. Applicant Keyrock Energy, LLC is an operator in the Commonwealth of Virginia, and has satisfied the Board's requirements for operations in Virginia;
- 15.3. Applicant Keyrock Energy, LLC has agreed to explore, develop, and maintain those properties and assets now owned or hereafter acquired by Keyrock Energy, LLC, and has consented to serve as Coalbed Methane Gas Unit Operator for the Subject Drilling Unit and to faithfully discharge the duties imposed upon it as Unit Operator by statute and regulations;

- 15.4. Applicant Keyrock Energy, LLC, claims ownership of gas leases, Coalbed Methane Gas leases, and/or coal leases representing 88.8% percent of the oil and gas interest/claims in and to Coalbed Methane Gas in the Subject Drilling Unit; and, Applicant claims the right to explore for, develop and produce Coalbed Methane Gas from Subject Formations in Subject Drilling Unit in Dickenson County, Virginia, which Subject Lands are more particularly described in Exhibit A.
- 15.5. The estimated total production from Subject Drilling Unit is 470 mmcf. The estimated amount of reserves from the Subject Drilling Unit is 470 mmcf.
- 15.6. Set forth in Exhibit B-3 is the name and last known address of each Owner or Claimant identified by the Applicant as having or claiming an interest in the Coalbed Methane Gas in Subject Formation in Subject Drilling Unit underlying and comprised of Subject Lands, who has not, in writing, leased to the Applicant or the Unit Operator or agreed to voluntarily pool his interests in Subject Drilling Unit for its development. The interests of the Respondents listed in Exhibit B-3 comprise 11.2% percent of the oil and gas interests/claims in and to the Coalbed Methane Gas in the Subject Drilling Unit;
- 15.7. Applicant's evidence established that fair, reasonable and equitable compensation would be paid to any person in lieu of the right to participate in the Wells as provided in Paragraph 9 above;
- 15.8. The relief requested and granted is just and reasonable, is supported by substantial evidence and will afford each person listed and named in Exhibit B-3 hereto the opportunity to recover or receive, without unnecessary expense, such person's just and fair share of the production from Subject Drilling Unit. The granting of the Application and relief requested therein will ensure to the extent possible the greatest ultimate recovery of Coalbed Methane Gas, prevent, or assist in preventing the various types of waste prohibited by statute and protect or assist in protecting the correlative rights of all persons in the subject common sources of supply in the Subject Lands. Therefore, the Board is entering an Order granting the relief herein set forth.
16. MAILING OF ORDER AND FILING OF AFFIDAVIT: Applicant or its Attorney shall file an affidavit with the Secretary of the Board within sixty (60) days after the date of recording of this Order stating that a true and correct copy of said Order was mailed within seven (7) days from the date of its receipt by Unit Operator to each Respondent named in Exhibit B pooled by this Order and whose address is known.
17. CONCLUSION: Therefore, the requested relief and all terms and provisions set forth above be and hereby are granted and **IT IS SO ORDERED**.
18. APPEALS: Appeals of this Order are governed by the provisions of § 45.2-1609 of the Virginia Code which provides that any order or decision of the Board may be appealed to the appropriate circuit court.
19. EFFECTIVE DATE: This Order shall be effective as of the date of the Board's approval of this Application, which is set forth at Paragraph 1 above.