



Ohio Department of Natural Resources

MIKE DeWINE, GOVERNOR

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Division of Oil and Gas Resources Management
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ORDER BY THE CHIEF

April 1, 2021

ORDER NO. 2021-67

**TO: Eclipse Resources I, LP
10000 Energy Drive
Spring, TX 77389**

**RE: Application for Unitization
Rufener A Unit
Monroe County, Ohio**

**SUBJECT: Order for Unit Operations of the Utica/Point Pleasant Formations for the
Rufener A Unit**

Pursuant to Ohio Revised Code (“R.C.”) § 1509.28, the Chief of the Division of Oil and Gas Resources Management (“Chief” or “Division”) makes the following Findings and issues the following Order with respect to Eclipse Resources I, LP’s (“Eclipse”) Application for Unit Operations for the Rufener A Unit:

DEFINITIONS:

As used in this order:

- 1) “Person” has the same meaning as in R.C. § 1509.01.
- 2) “Application” means the application of Eclipse Resources I, LP for Unit Operation of the Rufener A Unit dated November 5, 2020, consisting of a minimum of a Unit Agreement, Model Form Operating Agreement, relevant exhibits, and pre-filed testimony from a geologist, a reservoir engineer, and a landman, and includes all updates, amendments, and supplements to it.
- 3) “Royalty interest owner” means a person or the estate of a person, other than a working interest owner, who owns the right to or interest in any portion of the oil and/or gas, or proceeds from the sale thereof, from a tract.

- 4) "Working interest" means an interest in oil and/or gas in the unit area by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which is obligated to pay, either in cash or out of production or otherwise a portion of the unit expense.
- 5) "Working interest owner" means a person or the estate of a person who owns an interest in oil and/or gas in the unit area by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, the owner of which is obligated to pay, either in cash or out of production or otherwise a portion of the unit expense. "Working interest owner" does not include an unleased mineral owner.
- 6) "Unleased mineral owner" means a royalty interest owner who owns oil and/or gas rights free of a lease or other instrument conveying all or any portion of the working interest in such rights to another. At the time of this order, the unleased mineral owners as identified by Eclipse include the persons listed on Exhibit A for the corresponding tracts in the exhibit.
- 7) "Consenting working interest owner" means any working interest owner who enters into an agreement with Eclipse pertaining to the operation of the Rufener A Unit.
- 8) "Non-consenting working interest owner" means a working interest owner who does not enter into an agreement with Eclipse pertaining to the operation of the Rufener A Unit. At the time of this order, the non-consenting working interest owners identified by Eclipse include those listed on Exhibit B for the corresponding tracts in the exhibit.
- 9) "Gas" has the same meaning as in R.C. § 1509.01.
- 10) "Oil" has the same meaning as in R.C. § 1509.01.
- 11) "Unit Area" means all of the lands, oil and gas leases, and/or oil and gas interests of the tracts as shown in Exhibit C totaling 874.149 acres located in Green Township, in Monroe County, Ohio as shown in Exhibit D.
- 12) "Unit Participation" means the ratio of the surface acreage of a specific tract in the unit area to the total surface acreage of the unit area as that total surface acreage is specified in paragraph one of the Plan for Unit Operations of this order.
- 13) "Gross Proceeds" means a share of the gross production of oil, gas, condensate, and natural gas liquids free of any and all cost of producing, gathering, storing, separating, treating, dehydrating, compressing, processing, transporting, marketing, or pipeline construction and maintenance. "Gross proceeds" does not include costs that result in enhancing the value of marketable oil, gas, condensate, natural gas liquids, or other products to receive a better price so long as the costs are the actual costs of such enhancement and an unleased

mineral rights owner's pro rata part of such cost is less than the amount of the enhanced value of the product.

- 14) "Net Proceeds" means the share of gross production of oil, gas, condensate, or natural gas liquids after payment of all costs of producing, gathering, storing, separating, treating, dehydrating, compressing, processing, transporting, and marketing and taxes.

BACKGROUND:

- 1) Eclipse filed the application pursuant to R.C. § 1509.28 to conduct unit operations of the Utica/Point Pleasant Formations. The unit operations will occur at an approximate true vertical depth located from 50 feet above the top of the Utica Shale to 50 feet below the base of the Point Pleasant Formation.
- 2) Pursuant to R.C. § 1509.28, the Division held a hearing on February 10, 2021 via Webex in accordance with Ohio law and other state requirements in effect at the time the hearing was scheduled. The hearing was held to consider the need for the operation as a unit of an entire pool or part thereof. Eclipse employees provided testimony on the application and answered questions from Division staff.

FINDINGS:

- 1) Based on the application and testimony by Eclipse's employees, the Chief finds that Eclipse has established that it is the "owner," as that term is defined in R.C. § 1509.01(K), of greater than 65% of the land area overlying the pool in the Rufener A Unit as required by R.C. § 1509.28(A).
- 2) Based on the application and testimony by Eclipse's employees, the Chief finds that the operation of the Rufener A Unit is reasonably necessary to increase substantially the ultimate recovery of oil and gas.
- 3) Based on the application and testimony by Eclipse's employees, the Chief finds the value of the estimated additional recovery of oil or gas from the Rufener A Unit exceeds the estimated additional cost incident to conducting the operation of the Rufener A Unit.

ORDER:

IT IS HEREBY ORDERED:

Pursuant to R.C. § 1509.28, Eclipse is authorized to conduct operations within the Rufener A Unit in accordance with all of the following:

Plan for Unit Operations

- 1) The unit area is comprised of the tracts totaling 874.149 acres in Green Township, in Monroe County, Ohio, as shown on Exhibit D.
- 2) Eclipse proposes to drill two wells in the Rufener A Unit for the purpose of recovering oil and gas. Eclipse shall drill at least one well to total measured depth as specified in the application in the unit area within 12 months from the date of approval of this Order as prescribed in Paragraph 10 of this order. If Eclipse fails to drill at least one well to total measured depth as specified in the application in the unit area within 12 months from the date of approval of this Order as prescribed in Paragraph 10 of this order, the Chief may revoke this order. In order to achieve the stated goal of substantially increasing the ultimate recovery of oil and gas from the Utica/Point Pleasant Formations within the unit area, Eclipse shall produce from two wells no later than three years after the date of approval of this order. If Eclipse fails to drill, complete, and produce at least two wells in the unit area, the Chief may amend or terminate this order. Any additional wells permitted by the Chief for the Utica/Point Pleasant Formations in the unit area are subject to this order.
- 3) Evidence introduced by Eclipse at the Rufener A Unit hearing establishes that the Utica/Point Pleasant Formation uniformly underlies the unit area. Therefore, the allocated share of production to each tract shall be equal to that tract's unit participation.
- 4) Except as provided in Paragraph 9(d) of this order, all charges and credits made for investments in wells, tanks, pumps, machinery, materials, and equipment contributed to the Rufener A unit operations shall be allocated among the working interest owners of each tract based on the unit participation. The proportionate share of the expenses attributable to tracts of the unleased mineral owners shall be allocated to Eclipse and the working interest owners.
- 5) All unit operation expenses, including capital investment, shall be charged to, and paid by, Eclipse and working interest owners in amounts based on the unit participation plus their proportionate share of the expenses attributable to the tracts of unleased mineral owners. All unit operation expenses concerning wells and operating equipment shall be just and reasonable.
- 6) If necessary, Eclipse and the consenting working interest owners shall carry, or otherwise finance, any non-consenting working interest owners who are unable to meet their financial obligations in connection with the unit operations. Eclipse and all other consenting working interest owners' reasonable interest charge for carrying or financing the non-consenting working interest owners shall be determined by the terms of Eclipse's Unit Agreement and Model Form Operating Agreement for the Rufener A Unit. Once a specific cost is charged to the initial well, that same cost cannot be charged to subsequent wells in the unit area.
- 7) Eclipse shall supervise and conduct all unit operations. Each working interest owner shall have a voting interest equal to its Unit Participation. Approval of unit operations shall be

subject to the terms of Eclipse's Unit Agreement and Model Form Operating Agreement for the Rufener A Unit.

- 8) Unit operations may commence as of 7:00 a.m. on the day following the date of approval of this order as prescribed in Paragraph 10 of this order. Once the initial well is placed into production, operations within the Rufener A Unit may continue as long as hydrocarbons are produced from any well in the unit area without a cessation of more than 90 days, unless otherwise approved by the Chief in writing. The Rufener A Unit may be terminated if working interest owners owning at least 51% of the working interest in the unit area determine that the unit operations are no longer warranted. If the unit operations are so terminated, Eclipse shall provide written notice of the termination to the Division and to all unleased mineral owners. In addition to the notice of termination, Eclipse shall provide an affidavit to the Division attesting to the basis of the termination and all dates applicable to that basis. If termination of unit operations occurs prior to drilling and completing for production of two wells in the Rufener A Unit, the Chief may amend this order.
- 9) The following additional provisions are found to be appropriate:
 - a) No activity associated with the drilling, completion, or operation of the Rufener A Unit shall be conducted on the surface of any unleased property without the prior written consent of the owner of the surface rights of the unleased property.
 - b) Unleased mineral owners shall not incur liability for any personal or property damage associated with any of Eclipse's or any of Eclipse's agents or contractors' drilling, testing, completing, producing, operating, or plugging and restoration activities within the Rufener A Unit.
 - c) Each unleased mineral owner shall receive a monthly cash payment equal to a one-eighth (1/8) share of the gross proceeds from production. Allocation of the one-eighth (1/8) share shall be based on the unit participation of each unleased mineral owner's tract. Eclipse shall make monthly cash payments to all unleased mineral owners at the same time the royalty interest owners are paid.
 - d) In addition to the cash payment specified in paragraph 9(c) of this Order, each unleased mineral owner shall receive a monthly cash payment equal to a seven-eighths (7/8) share of the net proceeds from production. Allocation of the seven-eighths (7/8) share shall be based on the unit participation of each unleased mineral owner's tract. After Eclipse recovers 200% of the cost of drilling, testing, and completing the initial well, Eclipse shall begin making the monthly payments to the unleased mineral owners for that well. For each additional well drilled in the unit area, Eclipse shall begin making monthly payments equal to seven-eighths (7/8) share of net proceeds from production to each unleased mineral owner once the working interest owners have recovered 150% of the cost of drilling, testing, and completing each additional well. Once a specific cost is charged to the initial well, that same cost cannot be charged to subsequent wells in the unit area.

- e) Nothing in this order prohibits an unleased mineral owner from entering into a lease agreement with Eclipse or with any other person. An unleased mineral owner who enters into a lease of their mineral interests with any person after the issuance of this order is no longer an unleased mineral owner under this order as of the effective date of the lease. Eclipse shall notify the Division upon the execution of a lease agreement with any unleased mineral owner who is subject to this order.
- f) Except as provided in Paragraph 9(d) of this order, no expenses shall be paid by an unleased mineral owner for drilling, testing, completing, producing, or operating any well in the unit area. Moreover, unleased mineral owners are not responsible for any costs related to plugging any well or any restoration in the unit area.
- g) If requested in writing by any unleased mineral owner or by any non-consenting working interest owner, or in any manner by the Division, Eclipse shall provide, not later than 30 days after the request, any of the following:
 - i. A monthly statement of all costs incurred, together with the quantity of oil and gas produced, and the amount of proceeds realized from the sale of production during the preceding month; and
 - ii. Any authorization for expenditure (AFE) prepared by Eclipse; and
 - iii. A statement of all costs and expenses for purposes of Paragraphs 6 and 9(d) of this order.
- h) Eclipse shall notify the Division of the assignment or transfer of any of its working interest in the Rufener A Unit. If Eclipse assigns or transfers any of its working interest, the assignee or transferee shall comply with this order. Within 60 days of the notice of assignment or transfer, Eclipse shall file a copy of the notice with the Monroe County (Ohio) Recorder's Office, in the records of each of the tracts that are subject to this order and referenced in Exhibit D of this order. Eclipse shall submit a certification of the filing to the Division within 14 days of filing.
- i) Eclipse shall notify the Division within thirty days if a person that is leased by Eclipse, or any other consenting working interest owner, for purposes of operating the Rufener A Unit becomes unleased. If a person becomes unleased, the person is an unleased owner under this order and paragraphs 9(c) and 9(d) of this order apply.

- j) Eclipse shall notify the Division if any consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Eclipse pertaining to the operation of the Rufener A Unit. If a consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Eclipse, the working interest owner becomes a non-consenting working interest owner pursuant to this order. Eclipse also shall notify the Division if any consenting working interest owner assigns or transfers all or part of its working interest in the Rufener A Unit. All such assignees or transferees are subject to this order.
 - k) Eclipse shall notify the Division if any non-consenting working interest owner enters into an agreement with Eclipse pertaining to the operation of the Rufener A Unit. If a non-consenting working interest owner enters into an agreement with Eclipse, the non-consenting working interest owner becomes a consenting working interest owner pursuant to this order.
 - l) If at any point Eclipse and consenting working interest owners own less than 65% of the unit, the Chief may amend or terminate this order.
- 10) This order becomes effective on the date Eclipse provides the Chief with final written approval of the unit operations as prescribed in this order by Eclipse and consenting working interest owners, and also by the royalty interest owners or, with respect to unleased acreage, unleased mineral owners of 65% of the acreage to be included in the unit. Unit operations may commence as set forth in Paragraph 8 of this Order. If Eclipse fails to provide all required approvals by October 1, 2021, the order is revoked, and the Chief shall provide notice of the revocation to Eclipse and to all persons listed in Exhibit C to this order.
 - 11) If this Chief's Order is appealed, the time periods specified in this order are tolled pending final determination of the appeal.
 - 12) Within 21 days of this order becoming effective, Eclipse shall file a copy of this order with the Monroe County (Ohio) Recorder's Office, in the records of each of the tracts that are subject to this order and referenced in Exhibit D of this order. Eclipse shall submit a certification of the filing to the Division within 14 days of filing. The certification shall include a reference to the volume and page number corresponding to each record where the Chief's Order is recorded.
 - 13) The Chief of the Division retains continuing jurisdiction over the Rufener A Unit as is consistent with the Chief's powers and duties as established by R.C. Chapter 1509 and Ohio Admin. Code 1501:9. The Chief reserves the right to amend or terminate this Order subsequent to the commencement of unit operations within the unit area.
 - 14) Except as specifically set forth in the terms of this order, nothing herein shall be construed as a release or waiver of any private right, obligation, duty, claim, or cause of action.

- 15) If there is a conflict between this Chief's Order and Eclipse's Unit Agreement and Model Form Operating Agreement attached to the application, this Chief's Order takes precedence.

April 1, 2021

Date

/s/ *Eric Vendel*

Eric Vendel, Chief

Division of Oil and Gas Resources Management

Addressee is hereby notified that this action is final and effective and may be appealed pursuant to Section 1509.36 of the Ohio Revised Code. If the Order is appealed to the Ohio Oil and Gas Commission, the appeal must be in writing and must set forth the Orders complained of and the grounds upon which the appeal is based. Such appeal must be filed with the Oil and Gas Commission, 2045 Morse Road, Building A-2, Columbus, Ohio 43229-6693, within 30 days after receipt of this Order.

In addition, within three days after the appeal is filed with the Oil and Gas Commission, notice of the filing must be submitted to Eric Vendel, Chief, Division of Oil and Gas Resources Management, Ohio Department of Natural Resources, 2045 Morse Road, Building F, Columbus, Ohio 43229-6693.

Enclosures: Exhibit A
Exhibit B
Exhibit C
Exhibit D

Exhibit A

Unleased Mineral Owners

Tract Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Tract Surface Use	Township	County	Address	City	State	Zip
3	Unknown heirs and assigns of Williams Stevens	No	0.0052083	0.026	0.002926%	09-023011.0000	Agricultural with Buildings	Green	Monroe	Unknown	Unknown	Unknown	Unknown
3	Unknown heirs and assigns of Colin Stevens	No	0.0052083	0.026	0.002926%	09-023011.0000	Agricultural with Buildings	Green	Monroe	Unknown	Unknown	Unknown	Unknown
3	Unknown heirs and assigns of Jennifer Stevens	No	0.0052083	0.026	0.002926%	09-023011.0000	Agricultural with Buildings	Green	Monroe	Unknown	Unknown	Unknown	Unknown
3	Unknown heirs and assigns of Margaret Smith	No	0.0052083	0.026	0.002926%	09-023011.0000	Agricultural with Buildings	Green	Monroe	Unknown	Unknown	Unknown	Unknown
3	Charles W. Haney	No	0.0312500	0.153	0.017556%	09-023011.0000	Agricultural with Buildings	Green	Monroe	421 Seminole Drive	Blacksburg	VA	24060-7874
7	Judith Cosentino	No	0.0026042	0.154	0.017623%	09-017002.0000	Agricultural Vacant	Green	Monroe	4738 N. Fisk Avenue	Kansas City	MO	64151
7	Unknown heirs and assigns of Williams Stevens	No	0.0052083	0.308	0.035246%	09-017002.0000	Agricultural Vacant	Green	Monroe	Unknown	Unknown	Unknown	Unknown
7	Unknown heirs and assigns of Colin Stevens	No	0.0052083	0.308	0.035246%	09-017002.0000	Agricultural Vacant	Green	Monroe	Unknown	Unknown	Unknown	Unknown
7	Unknown heirs and assigns of Jennifer Stevens	No	0.0052083	0.308	0.035246%	09-017002.0000	Agricultural Vacant	Green	Monroe	Unknown	Unknown	Unknown	Unknown
7	Unknown heirs and assigns of Margaret Smith	No	0.0052083	0.308	0.035246%	09-017002.0000	Agricultural Vacant	Green	Monroe	Unknown	Unknown	Unknown	Unknown
7	Charles W. Haney	No	0.0312500	1.849	0.211477%	09-017002.0000	Agricultural Vacant	Green	Monroe	421 Seminole Drive	Blacksburg	VA	24060-7874
Total Unleased Acres:				3.491	0.399346%								
Total Unit Acres:				874.149									

Exhibit B

Non-Consenting Working Interest Owner

Tract Number	Uncommitted Working Interest Owner	Address	City	State	Zip	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County
2a	CGO, Inc.	Ohio Valley Mall, Unit 110	St. Clairsville	OH	43950	Yes	1.0000000	43.447	0.0497021	09-024003.1000	Green	Monroe
							Total Uncommitted Acres:	43.447	0.0497021			
								Total Unit Acres:	874.149			

Exhibit C

Tract Number	Mineral Owner	Leased Yes or No	Surface Acres in Unit	Decimal Interest in Tract	Net Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Committed Working Interest Percentage	Applicant Working Interest Percentage	CGO Working Interest Percentage	Address	City	State	Zip		
1	Kristi L. Wiles and Donald Wiles	Yes	14.953	0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	51491 Tremble Ridge Road	Beallsville	OH	43716		
	Brandy Ady and Bradford Ady	Yes		0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	46802 Township Road 2214	Clarington	OH	43915		
	Linda K. Craun	Yes		0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	7895 Mill Street	Springwater	NY	14560		
	Jennifer Jones and Robert Jones	Yes		0.0312500	0.467	0.053456%	09-024009.0000	Green	Monroe	0.053456%	0.053456%	0.000000%	13258 County Highway 4	Carey	OH	43316		
	Angel Mount and Scott Mount	Yes		0.0312500	0.467	0.053456%	09-024009.0000	Green	Monroe	0.053456%	0.053456%	0.000000%	431 West Wyandot Avenue	Sandusky	OH	43351		
	Christina Cook and Dennis Snyder	Yes		0.0312500	0.467	0.053456%	09-024009.0000	Green	Monroe	0.053456%	0.053456%	0.000000%	23063 Township Road 126	Kenton	OH	43326		
	Scott Elechert	Yes		0.0312500	0.467	0.053456%	09-024009.0000	Green	Monroe	0.053456%	0.053456%	0.000000%	2849 Wynmetree Ct.	Hillard	OH	43026		
	Ronald Strausbaugh	Yes		0.0625000	0.935	0.106911%	09-024009.0000	Green	Monroe	0.106911%	0.106911%	0.000000%	503 West Center Street	Fostoria	OH	44830		
	Leah LaCourse	Yes		0.0625000	0.935	0.106911%	09-024009.0000	Green	Monroe	0.106911%	0.106911%	0.000000%	1435 North Union Street	Fostoria	OH	44830		
	Vance L. Drum	Yes		0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	3863 FM 2663	Crockett	TX	74835		
	Cheryl Lynn Drum	Yes		0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	904 Chapel Creek Dr.	Hoover	AL	35226		
	Carol Cozette Tanner	Yes		0.1250000	1.869	0.213822%	09-024009.0000	Green	Monroe	0.213822%	0.213822%	0.000000%	4910 Castle Ford Road	Boone	NC	28607		
	2a	Penni M. Darrah		Yes	43.447	1.0000000	43.447	4.970205%	09-024003.1000	Green	Monroe	0.000000%	0.000000%	4.970205%	41625 Township Road #449	Woodfield	OH	43793
	2b	Penni M. Darrah		Yes	21.035	1.0000000	21.035	2.406340%	09-024003.1000	Green	Monroe	2.406340%	2.406340%	0.000000%	41625 Township Road #449	Woodfield	OH	43793
	3	Homer Daniel Rufener and Nancy K. Rufener		Yes	4.911	0.7500000	3.683	0.421353%	09-023011.0000	Green	Monroe	0.421353%	0.421353%	0.000000%	46520 John Lengacher Rd	Sardis	OH	43946
Gary Williamson		Yes	0.1250000	0.614		0.070225%	09-023011.0000	Green	Monroe	0.070225%	0.070225%	0.000000%	30991 Township Road 843	Lower Salem	OH	45745		
Rita Young		Yes	0.0156250	0.077		0.008778%	09-023011.0000	Green	Monroe	0.008778%	0.008778%	0.000000%	1855 Honeychuck Lane	Kenty	OH	44240		
Chris L. Starr		Yes	0.0156250	0.077		0.008778%	09-023011.0000	Green	Monroe	0.008778%	0.008778%	0.000000%	1255 Colony Road	Salineville	OH	43945		
Leo D. Starr		Yes	0.0156250	0.077		0.008778%	09-023011.0000	Green	Monroe	0.008778%	0.008778%	0.000000%	558 Colony Park Drive Apt. 202	Tallmadge	OH	44278		
Lois Starr		Yes	0.0156250	0.077		0.008778%	09-023011.0000	Green	Monroe	0.008778%	0.008778%	0.000000%	33250 De Voe Road	Lewisville	OH	43754		
Pamela Wagner		Yes	0.0026042	0.013		0.001463%	09-023011.0000	Green	Monroe	0.001463%	0.001463%	0.000000%	1960 Justin Way, Apt. 3	Aberdeen	OH	45101		
Lance George Glaze		Yes	0.0026042	0.013		0.001463%	09-023011.0000	Green	Monroe	0.001463%	0.001463%	0.000000%	8657 Eldora Drive	Cincinnati	OH	45236		
Judith Cosentino		Yes	0.0026042	0.013		0.001463%	09-023011.0000	Green	Monroe	0.001463%	0.001463%	0.000000%	4738 N. Fisk Avenue	Kansas City	MO	64151		
Rebecca Vezina		Yes	0.0026042	0.013		0.001463%	09-023011.0000	Green	Monroe	0.001463%	0.001463%	0.000000%	120 E Pike Street	Fayetteville	OH	45118		
Unknown heirs and assigns of Williams Stevens		No	0.0052083	0.026		0.002926%	09-023011.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
Unknown heirs and assigns of Colin Stevens		No	0.0052083	0.026		0.002926%	09-023011.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
Unknown heirs and assigns of Jennifer Stevens		No	0.0052083	0.026		0.002926%	09-023011.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
Unknown heirs and assigns of Margaret Smith		No	0.0052083	0.026		0.002926%	09-023011.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
Charles W. Haney		No	0.0312500	0.153		0.017556%	09-023011.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	421 Seminole Drive	Blacksburg	VA	24060-7874		
4		Dean J. Holsclaw	Yes	0.021		0.5000000	0.011	0.001201%	09-024004.0000	Green	Monroe	0.001201%	0.001201%	0.000000%	7550 Coppermill Road	Zanesville	OH	43701
Mark E. Holsclaw		Yes	0.5000000			0.011	0.001201%	09-024004.0000	Green	Monroe	0.001201%	0.001201%	0.000000%	43983 Benwood Road	Woodfield	OH	43793	
5		CGO, Inc.	Yes	104.647		1.0000000	104.647	11.971300%	09-024001.0000	Green	Monroe	11.971300%	11.971300%	0.000000%	Ohio Valley Mall, Unit 110	St. Clairsville	OH	43950
6		Virginia Washburn	Yes	28.869		0.4960938	14.322	1.638363%	09-024002.0000	Green	Monroe	1.638363%	1.638363%	0.000000%	150 Old Liverpool Road, Apt. 502	Liverpool	NY	13088
		Appalachia Minerals, LLC	Yes			0.4960938	14.322	1.638363%	09-024002.0000	Green	Monroe	1.638363%	1.638363%	0.000000%	PO Box 2352	Westerville	OH	43086
	Mary K. Eddy a/k/a Marilyn K. Eddy	Yes	0.0052083		0.150	0.017201%	09-024002.0000	Green	Monroe	0.017201%	0.017201%	0.000000%	5147 Brocade Road SE	Amsterdam	OH	43903		
	Allen L. Eddy	Yes	0.0026042		0.075	0.008600%	09-024002.0000	Green	Monroe	0.008600%	0.008600%	0.000000%	5147 Brocade Road SE	Amsterdam	OH	43903		
7	Rebecca R. Devier - LIFE ESTATE	Yes	59.156	0.7500000	44.367	5.075451%	09-017002.0000	Green	Monroe	5.075451%	5.075451%	0.000000%	42900 Homer Reef Road	Sardis	OH	43946		
	Stephanie A. Devier - REMAINDERMAN	Yes		0.0000000	0.000	0.000000%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	42900 Homer Reef Road	Sardis	OH	43946		
	Chane L. Devier - REMAINDERMAN	Yes		0.0000000	0.000	0.000000%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	42900 Homer Reef Road	Sardis	OH	43946		
	Gary Williamson	Yes		0.1250000	7.395	0.845908%	09-017002.0000	Green	Monroe	0.845908%	0.845908%	0.000000%	30991 Township Road 843	Lower Salem	OH	45745		
	Rita Young	Yes		0.0156250	0.924	0.105739%	09-017002.0000	Green	Monroe	0.105739%	0.105739%	0.000000%	1855 Honeychuck Lane	Kenty	OH	44240		
	Chris L. Starr	Yes		0.0156250	0.924	0.105739%	09-017002.0000	Green	Monroe	0.105739%	0.105739%	0.000000%	1255 Colony Road	Salineville	OH	43945		
	Leo D. Starr	Yes		0.0156250	0.924	0.105739%	09-017002.0000	Green	Monroe	0.105739%	0.105739%	0.000000%	558 Colony Park Drive Apt. 202	Tallmadge	OH	44278		
	Lois Starr	Yes		0.0156250	0.924	0.105739%	09-017002.0000	Green	Monroe	0.105739%	0.105739%	0.000000%	33250 De Voe Road	Lewisville	OH	43754		
	Pamela Wagner	Yes		0.0026042	0.154	0.017623%	09-017002.0000	Green	Monroe	0.017623%	0.017623%	0.000000%	1960 Justin Way, Apt. 3	Aberdeen	OH	45101		
	Lance George Glaze	Yes		0.0026042	0.154	0.017623%	09-017002.0000	Green	Monroe	0.017623%	0.017623%	0.000000%	8657 Eldora Drive	Cincinnati	OH	45236		
	Judith Cosentino	No		0.0026042	0.154	0.017623%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	4738 N. Fisk Avenue	Kansas City	MO	64151		
	Rebecca Vezina	Yes		0.0026042	0.154	0.017623%	09-017002.0000	Green	Monroe	0.017623%	0.017623%	0.000000%	120 E Pike Street	Fayetteville	OH	45118		
	Unknown heirs and assigns of Williams Stevens	No		0.0052083	0.308	0.035246%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
	Unknown heirs and assigns of Colin Stevens	No		0.0052083	0.308	0.035246%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
	Unknown heirs and assigns of Jennifer Stevens	No		0.0052083	0.308	0.035246%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
	Unknown heirs and assigns of Margaret Smith	No		0.0052083	0.308	0.035246%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown		
	Charles W. Haney	No		0.0312500	1.849	0.211477%	09-017002.0000	Green	Monroe	0.000000%	0.000000%	0.000000%	421 Seminole Drive	Blacksburg	VA	24060-7874		

8	Evelyn Craig	Yes	101.866	0.1388889	14.148	1.618495%	09-017001.0000	Green	Monroe	1.618495%	1.618495%	0.000000%	3961 Andrus Avenue	Columbus	OH	43227
	Helen Craig	Yes		0.2500000	25.467	2.913291%	09-017001.0000	Green	Monroe	2.913291%	2.913291%	0.000000%	3961 Andrus Avenue	Columbus	OH	43227
	Lisa Meyer and Kenneth Meyer, Jr.	Yes		0.0555556	5.659	0.647398%	09-017001.0000	Green	Monroe	0.647398%	0.647398%	0.000000%	118 Eldorado Drive	Marietta	OH	43750
	Paul Craig	Yes		0.1111111	11.318	1.294796%	09-017001.0000	Green	Monroe	1.294796%	1.294796%	0.000000%	46088 Dogskin Road	Sardis	OH	43946
	Doris Craig	Yes		0.1388889	14.148	1.618495%	09-017001.0000	Green	Monroe	1.618495%	1.618495%	0.000000%	44815 Township Highway 476A	Woodsfield	OH	43793
	Eleanor M. Craig	Yes		0.1111111	11.318	1.294796%	09-017001.0000	Green	Monroe	1.294796%	1.294796%	0.000000%	51404 Mellot Ridge Road	Bealsville	OH	43716
	Roger Stollar and Sheila Stollar	Yes		0.0555556	5.659	0.647398%	09-017001.0000	Green	Monroe	0.647398%	0.647398%	0.000000%	101 Olin Drive	Woodsfield	OH	43793
	Terry Ice and Nina Ice	Yes		0.1388889	14.148	1.618495%	09-017001.0000	Green	Monroe	1.618495%	1.618495%	0.000000%	45338 State Route 255	Woodsfield	OH	43793
9	Klotzle Mineral Holdings, LLC	Yes	15.128	1.0000000	15.128	1.730597%	09-016009.0000	Green	Monroe	1.730597%	1.730597%	0.000000%	14182 Pleasant Home Road	Marshallville	OH	44645
10	Charles W. Hunnell	Yes	39.634	1.0000000	39.634	4.534010%	09-016010.0000	Green	Monroe	4.534010%	4.534010%	0.000000%	44748 State Route 255	Woodsfield	OH	43793
11	Charles W. Hunnell	Yes	16.990	1.0000000	16.990	1.943605%	09-017003.0000	Green	Monroe	1.943605%	1.943605%	0.000000%	44748 State Route 255	Woodsfield	OH	43793
12	Klotzle Mineral Holdings, LLC	Yes	0.805	1.0000000	0.805	0.092090%	09-016022.0000	Green	Monroe	0.092090%	0.092090%	0.000000%	14182 Pleasant Home Road	Marshallville	OH	44645
13	Charles W. Hunnell	Yes	12.324	1.0000000	12.324	1.409828%	09-016019.0000	Green	Monroe	1.409828%	1.409828%	0.000000%	44748 State Route 255	Woodsfield	OH	43793
14	Gordon Lange and Kay Lange	Yes	22.951	1.0000000	22.951	2.625525%	09-017004.0000	Green	Monroe	2.625525%	2.625525%	0.000000%	2400 Hartville Road	Mogadore	OH	44260
15	Jon Jason Kraft and Shirley A. Kraft	Yes	20.073	1.0000000	20.073	2.296290%	09-017007.0000	Green	Monroe	2.296290%	2.296290%	0.000000%	44890 Township Highway 452	Woodsfield	OH	43793
16a	Charles W. Hunnell	Yes	3.401	1.0000000	3.401	0.389064%	09-016003.1000	Green	Monroe	0.389064%	0.389064%	0.000000%	44748 State Route 255	Woodsfield	OH	43793
16b	Sheri Ann Morton and David Morton	Yes	0.028	0.5000000	0.014	0.001602%	09-016003.1000	Green	Monroe	0.001602%	0.001602%	0.000000%	527 Paulette Place	La Canada Flintridge	CA	91011
	Diana Hilbert and Steve Hilbert	Yes		0.5000000	0.014	0.001602%	09-016003.1000	Green	Monroe	0.001602%	0.001602%	0.000000%	2858 Stromboli Rd.	Costa Mesa	CA	92626
17a	Jon Jason Kraft and Shirley A. Kraft	Yes	3.098	1.0000000	3.098	0.354402%	09-016003.0000	Green	Monroe	0.354402%	0.354402%	0.000000%	44890 Township Highway 452	Woodsfield	OH	43793
17b	Sheri Ann Morton and David Morton	Yes	1.312	0.5000000	0.656	0.075044%	09-016003.0000	Green	Monroe	0.075044%	0.075044%	0.000000%	527 Paulette Place	La Canada Flintridge	CA	91011
	Diana Hilbert and Steve Hilbert	Yes		0.5000000	0.656	0.075044%	09-016003.0000	Green	Monroe	0.075044%	0.075044%	0.000000%	2858 Stromboli Rd.	Costa Mesa	CA	92626
18	Jon Jason Kraft and Shirley A. Kraft	Yes	26.761	1.0000000	26.761	3.061377%	09-016011.0000	Green	Monroe	3.061377%	3.061377%	0.000000%	44890 Township Highway 452	Woodsfield	OH	43793
19	Klotzle Mineral Holdings, LLC	Yes	0.204	1.0000000	0.204	0.023337%	09-016013.0000	Green	Monroe	0.023337%	0.023337%	0.000000%	14182 Pleasant Home Road	Marshallville	OH	44645
20	Backwoods Hideaway, LLC	Yes	80.996	0.7100000	57.507	6.578645%	09-016002.0000	Green	Monroe	6.578645%	6.578645%	0.000000%	46740 Moore Ridge Road	Woodsfield	OH	43793
	Bounty Minerals, LLC	Yes		0.2900000	23.489	2.687052%	09-016002.0000	Green	Monroe	2.687052%	2.687052%	0.000000%	777 Main St., Suite 3400	Fort Worth	TX	76102
21	Jon Jason Kraft and Shirley A. Kraft	Yes	9.877	1.0000000	9.877	1.129899%	09-016016.0000	Green	Monroe	1.129899%	1.129899%	0.000000%	44890 Township Highway 452	Woodsfield	OH	43793
22	Adam Lucey	Yes	50.978	1.0000000	50.978	5.831729%	09-016006.0000	Green	Monroe	5.831729%	5.831729%	0.000000%	224 Longview Ct.	Dover	OH	44622
23	Catherine Ault	Yes	46.547	0.3333333	15.516	1.774945%	09-016004.0000	Green	Monroe	1.774945%	1.774945%	0.000000%	50420 Cain Ridge Road	Clarington	OH	43915
	Janet Wade	Yes		0.3333333	15.516	1.774945%	09-016004.0000	Green	Monroe	1.774945%	1.774945%	0.000000%	50420 Cain Ridge Road	Clarington	OH	43915
	Marlene Jones	Yes		0.3333333	15.516	1.774945%	09-016004.0000	Green	Monroe	1.774945%	1.774945%	0.000000%	50420 Cain Ridge Road	Clarington	OH	43915
24	Gateway Royalty V, LLC	Yes	8.541	1.0000000	8.541	0.977065%	09-016007.0000	Green	Monroe	0.977065%	0.977065%	0.000000%	2701 Colonial Parkway	Fort Worth	TX	76109
25	JON-TRU, LLC	Yes	5.618	1.0000000	5.618	0.642682%	09-011011.0000	Green	Monroe	0.642682%	0.642682%	0.000000%	44467 SR 225	Woodsfield	OH	43793
26	Marlon B. Workman and Linda K. Workman	Yes	93.464	1.0000000	93.464	10.691999%	09-011014.0000	Green	Monroe	10.691999%	10.691999%	0.000000%	44135 State Route 255	Laings	OH	43752
27	Larry D. Coplan	Yes	21.434	1.0000000	21.434	2.451985%	09-011005.0000	Green	Monroe	2.451985%	2.451985%	0.000000%	7436 E. Northwest Highway	Dallas	TX	75231
28	Trustees of the Laings Church of Christ	Yes	1.286	1.0000000	1.286	0.147115%	09-011027.0000	Green	Monroe	0.147115%	0.147115%	0.000000%	44427 State Route 255	Laings	OH	43752
29	Thomas B. Ollom and Mary Ann Ollom	Yes	0.019	1.0000000	0.019	0.002174%	09-011020.1000	Green	Monroe	0.002174%	0.002174%	0.000000%	44282 State Route 255	Woodsfield	OH	43793
30	Marlon B. Workman and Linda K. Workman	Yes	4.949	1.0000000	4.949	0.566151%	09-011023.0000	Green	Monroe	0.566151%	0.566151%	0.000000%	44135 State Route 255	Laings	OH	43752
31	Marlon B. Workman and Linda K. Workman	Yes	1.350	1.0000000	1.350	0.154436%	09-011015.0000	Green	Monroe	0.154436%	0.154436%	0.000000%	44135 State Route 255	Laings	OH	43752
32	Trustees of the Laings Church of Christ	Yes	0.843	1.0000000	0.843	0.096437%	09-011017.0000	Green	Monroe	0.096437%	0.096437%	0.000000%	44427 State Route 255	Laings	OH	43752
33	Thomas B. Ollom and Mary Ann Ollom	Yes	6.280	1.0000000	6.280	0.718413%	09-011020.0000	Green	Monroe	0.718413%	0.718413%	0.000000%	44282 State Route 255	Woodsfield	OH	43793
34	Kenneth J. Knepp and Renee J. Knepp	Yes	0.353	1.0000000	0.353	0.040382%	09-011031.0000	Green	Monroe	0.040382%	0.040382%	0.000000%	125 Merle Boulevard	Monroe Falls	OH	44262

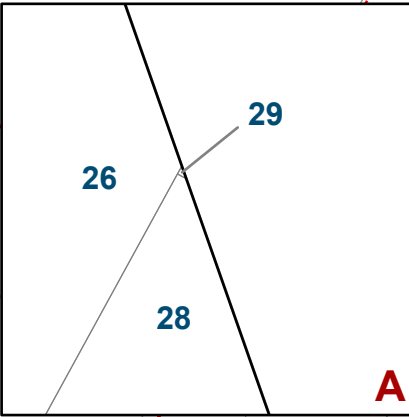
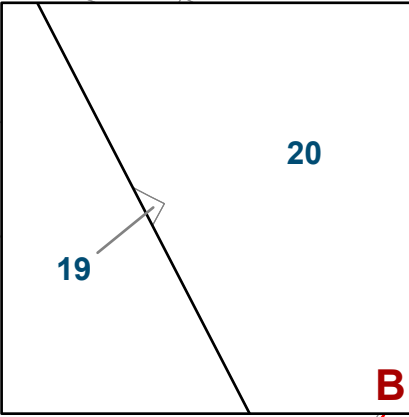
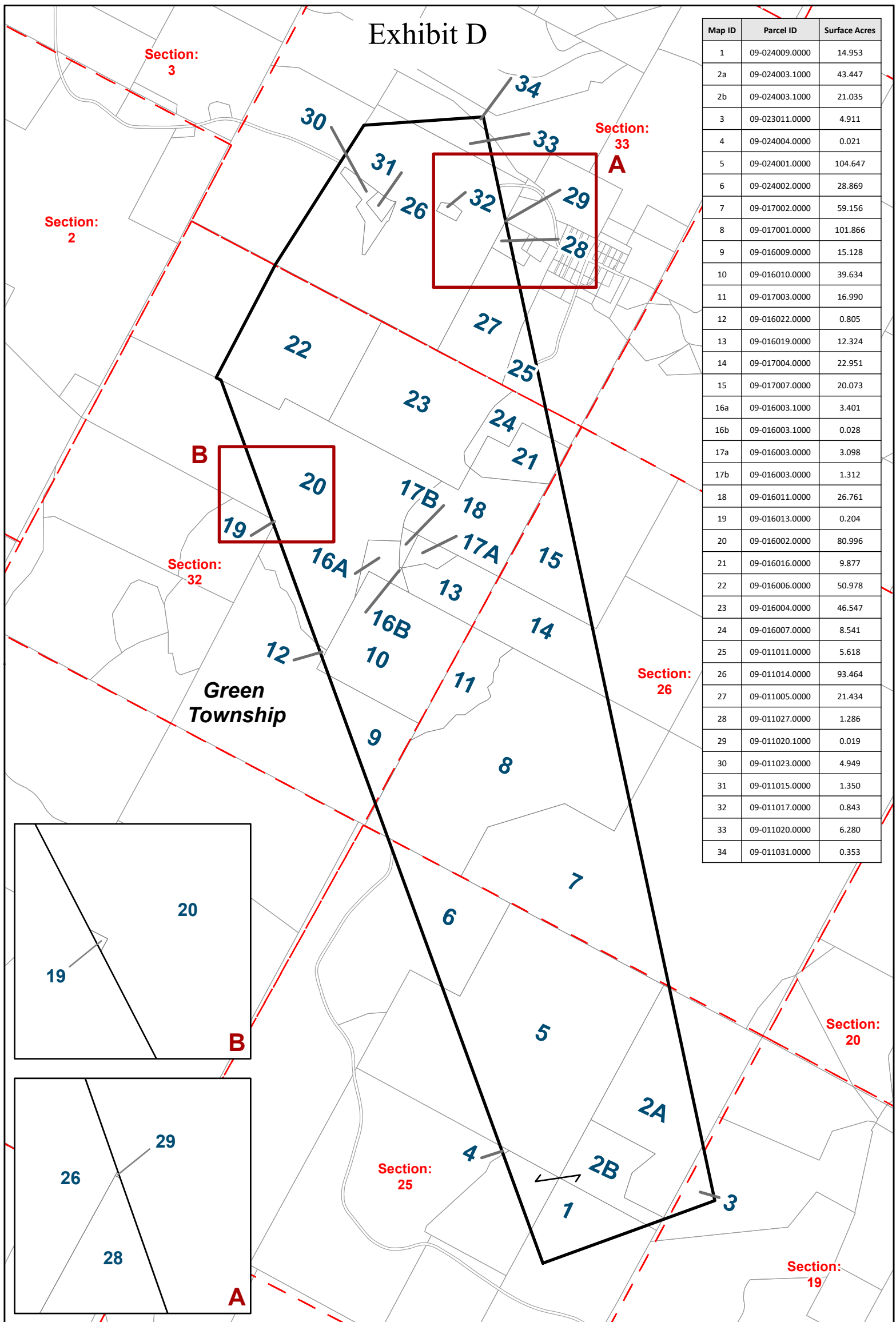
Total Unit Acres: 874.149 100.000000%





Total: 94.630449% 94.630449% 4.970205%

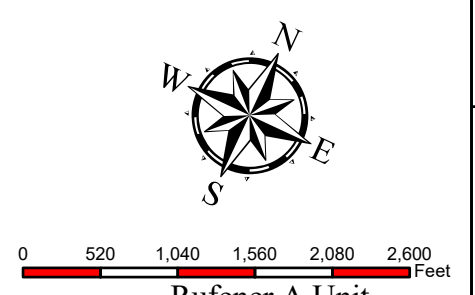
Total Leased Acres: 827.211

Exhibit D

Map ID	Parcel ID	Surface Acres
1	09-024009.0000	14.953
2a	09-024003.1000	43.447
2b	09-024003.1000	21.035
3	09-023011.0000	4.911
4	09-024004.0000	0.021
5	09-024001.0000	104.647
6	09-024002.0000	28.869
7	09-017002.0000	59.156
8	09-017001.0000	101.866
9	09-016009.0000	15.128
10	09-016010.0000	39.634
11	09-017003.0000	16.990
12	09-016022.0000	0.805
13	09-016019.0000	12.324
14	09-017004.0000	22.951
15	09-017007.0000	20.073
16a	09-016003.1000	3.401
16b	09-016003.1000	0.028
17a	09-016003.0000	3.098
17b	09-016003.0000	1.312
18	09-016011.0000	26.761
19	09-016013.0000	0.204
20	09-016002.0000	80.996
21	09-016016.0000	9.877
22	09-016006.0000	50.978
23	09-016004.0000	46.547
24	09-016007.0000	8.541
25	09-011011.0000	5.618
26	09-011014.0000	93.464
27	09-011005.0000	21.434
28	09-011027.0000	1.286
29	09-011020.1000	0.019
30	09-011023.0000	4.949
31	09-011015.0000	1.350
32	09-011017.0000	0.843
33	09-011020.0000	6.280
34	09-011031.0000	0.353



-  Unit Boundary
-  Tax Parcels
-  Sections
-  Townships





**ECLIPSE
RESOURCES**

Rufener A Unit
 Total Unit Size: 874.149 Acres
 Green Township, Monroe County
 Date: 9/9/2020