



Ohio Department of Natural Resources

MIKE DeWINE, GOVERNOR

MARY MERTZ, DIRECTOR

Eric Vendel, Chief

Division of Oil and Gas Resources Management
2045 Morse Rd, Building F
Columbus, Ohio 43229
Phone: (614) 265-6922; Fax: (614) 265-6910

9489009000276345522029

ORDER BY THE CHIEF

May 13, 2022

ORDER NO. 2022-122

TO: Ascent Resources - Utica, LLC
3501 NW 63rd Street
Oklahoma City, OK 73116

RE: Application for Unitization
Lavada RCH GR Unit
Guernsey and Noble Counties, Ohio

SUBJECT: Order for Unit Operations of the Utica shale and Point Pleasant Formation
for the Lavada RCH GR 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 Ascent Resources - Utica, LLC's ("Ascent") Application for Unit Operations for the Lavada RCH GR 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 Ascent Resources - Utica, LLC for Unit Operation of the Lavada RCH GR Unit dated December 13, 2021, 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 identified by Ascent include those listed on Exhibit A.
- 7) "Consenting working interest owner" means any working interest owner who enters into an agreement with Ascent pertaining to the operation of the Lavada RCH GR Unit.
- 8) "Non-consenting working interest owner" means a working interest owner who does not enter into an agreement with Ascent pertaining to the operation of the Lavada RCH GR Unit. At the time of this order, the non-consenting working interest owners identified by Ascent include those listed on Exhibit B.
- 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 618.001 acres located in Richland Township in Guernsey County and Wayne Township in Noble 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.

- 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) Ascent filed the application pursuant to R.C. § 1509.28 to conduct unit operations.
- 2) Pursuant to R.C. § 1509.28, the Division held a hearing on March 23, 2022 in Columbus, Ohio at the Ohio Department of Natural Resources ("ODNR"). The hearing was held to consider the need for the operation as a unit of an entire pool or part thereof. Ascent representatives provided testimony on the application and answered questions from Division staff.
- 3) The unit operations will occur at an approximate true vertical depth located from the top of the Utica shale to the base of the Point Pleasant Formation.

FINDINGS:

- 1) Based on the application and testimony by Ascent's representatives, the Chief finds that Ascent 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 Lavada RCH GR Unit as required by R.C. § 1509.28(A).
- 2) Based on the application and testimony by Ascent's representatives, the Chief finds that the operation of the Lavada RCH GR Unit is reasonably necessary to increase substantially the ultimate recovery of oil and gas.
- 3) Based on the application and testimony by Ascent's representatives, the Chief finds the value of the estimated additional recovery of oil or gas from the Lavada RCH GR Unit exceeds the estimated additional cost incident to conducting the operation of the Lavada RCH GR Unit.

ORDER:

IT IS HEREBY ORDERED:

Pursuant to R.C. § 1509.28, Ascent is authorized to conduct operations within the Lavada RCH GR Unit in accordance with all of the following:

Plan for Unit Operations

- 1) The unit area is comprised of the tracts totaling 618.001 acres in Richland Township in Guernsey County and Wayne Township in and Noble County, Ohio, as shown on Exhibit D.

- 2) Ascent proposes to drill two wells in the Lavada RCH GR Unit for the purpose of recovering oil and gas. Ascent 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 Ascent 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 shale and Point Pleasant Formation within the unit area, Ascent shall produce from two wells no later than three years after the date of approval of this order. If Ascent fails to drill, complete, and produce at least two wells in the unit area, the Chief may amend or revoke this order. Any additional wells permitted by the Chief for the Utica shale and Point Pleasant Formation in the unit area are subject to this order.
- 3) Information from Ascent for the Lavada RCH GR Unit establishes that the Utica shale and 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 Lavada RCH GR 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 Ascent and the working interest owners.
- 5) All unit operation expenses, including capital investment, shall be charged to, and paid by, Ascent 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, Ascent 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. Ascent 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 Ascent's Unit Agreement and Model Form Operating Agreement for the Lavada RCH GR 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) Ascent 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 Ascent's Unit Agreement and Model Form Operating Agreement for the Lavada RCH GR 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 Lavada RCH GR 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 Lavada RCH GR 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, Ascent shall provide written notice of the termination to the Division and to all unleased mineral owners. In addition to the notice of termination, Ascent 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 Lavada RCH GR 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 Lavada RCH GR 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 drilling, testing, completing, producing, operating, or plugging and restoration activities within the Lavada RCH GR Unit.
 - c) Each unleased mineral owner shall receive a monthly cash payment equal to a one-eighth share of the gross proceeds from production. Allocation of the one-eighth share shall be based on the unit participation of each unleased mineral owner's tract. Ascent 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 share of the net proceeds from production. Allocation of the seven-eighths share shall be based on the unit participation of each unleased mineral owner's tract. After Ascent recovers 200% of the cost of drilling, testing, and completing the initial well, Ascent shall begin making the monthly payments to the unleased mineral owners for that well. For each additional well drilled in the unit area, Ascent shall begin making monthly payments equal to seven-eighths 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 Ascent 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. Ascent 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, Ascent 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 Ascent; and
 - iii. A statement of all costs and expenses for purposes of Paragraphs 6 and 9(d) of this order.
- h) Ascent shall notify the Division of the assignment or transfer of any of its working interest in the Lavada RCH GR Unit. If Ascent 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, Ascent shall file a copy of the notice with the Guernsey and Noble Counties (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. Ascent shall submit a certification of the filing to the Division within 14 days of filing.
- i) Ascent shall notify the Division within 30 days if a person that is leased by Ascent, or any other consenting working interest owner, for purposes of operating the Lavada RCH GR Unit becomes unleased. If a person becomes unleased, the person is an unleased owner under this order and paragraphs 9(a) through 9(g) of this order apply.

- j) Ascent shall notify the Division if any consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Ascent pertaining to the operation of the Lavada RCH GR Unit. If a consenting working interest owner revokes, rescinds, or otherwise terminates the agreement with Ascent, the working interest owner becomes a non-consenting working interest owner pursuant to this order. Ascent also shall notify the Division if any consenting working interest owner assigns or transfers all or part of its working interest in the Lavada RCH GR Unit. All such assignees or transferees are subject to this order.
 - k) Ascent shall notify the Division if any non-consenting working interest owner enters into an agreement with Ascent pertaining to the operation of the Lavada RCH GR Unit. If a non-consenting working interest owner enters into an agreement with Ascent, the non-consenting working interest owner becomes a consenting working interest owner pursuant to this order.
 - l) If at any point Ascent and consenting working interest owners own less than 65% of the unit, the Chief may amend or revoke this order.
- 10) This order becomes effective on the date Ascent provides the Chief with final written approval of the unit operations as prescribed in this order by Ascent 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 Ascent fails to provide all required approvals by November 14, 2022, the order is revoked, and the Chief shall provide notice of the revocation to Ascent 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, Ascent shall file a copy of this order with the Guernsey and Noble Counties (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. Ascent 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 Lavada RCH GR 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 revoke 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 Ascent's Unit Agreement and Model Form Operating Agreement attached to the application, this Chief's Order takes precedence.

May 13, 2022

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 E-1, Office 103, Columbus, Ohio 43229-6693, within 30 days after the date upon which the person to whom the Order was issued received the order and, for all other persons adversely affected by the order, within 30 days after the date of the 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	Lease ID Number (optional)	Unleased Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit (Net)	Tract Participation in Unit	Tax Map Parcel ID	Tract Surface Use	Township	County	Address	City	State	Zip
36	N/A	LL&B Headwater II, LP	No	1.000000	0.783	0.126699%	31-0000086.002	Residential	Richland	Guernsey	11412 Bee Cave Road	Austin	TX	78738
				Total Unleased Acres:	0.783	0.126699%								
				Total Unit Acres:	618.001									

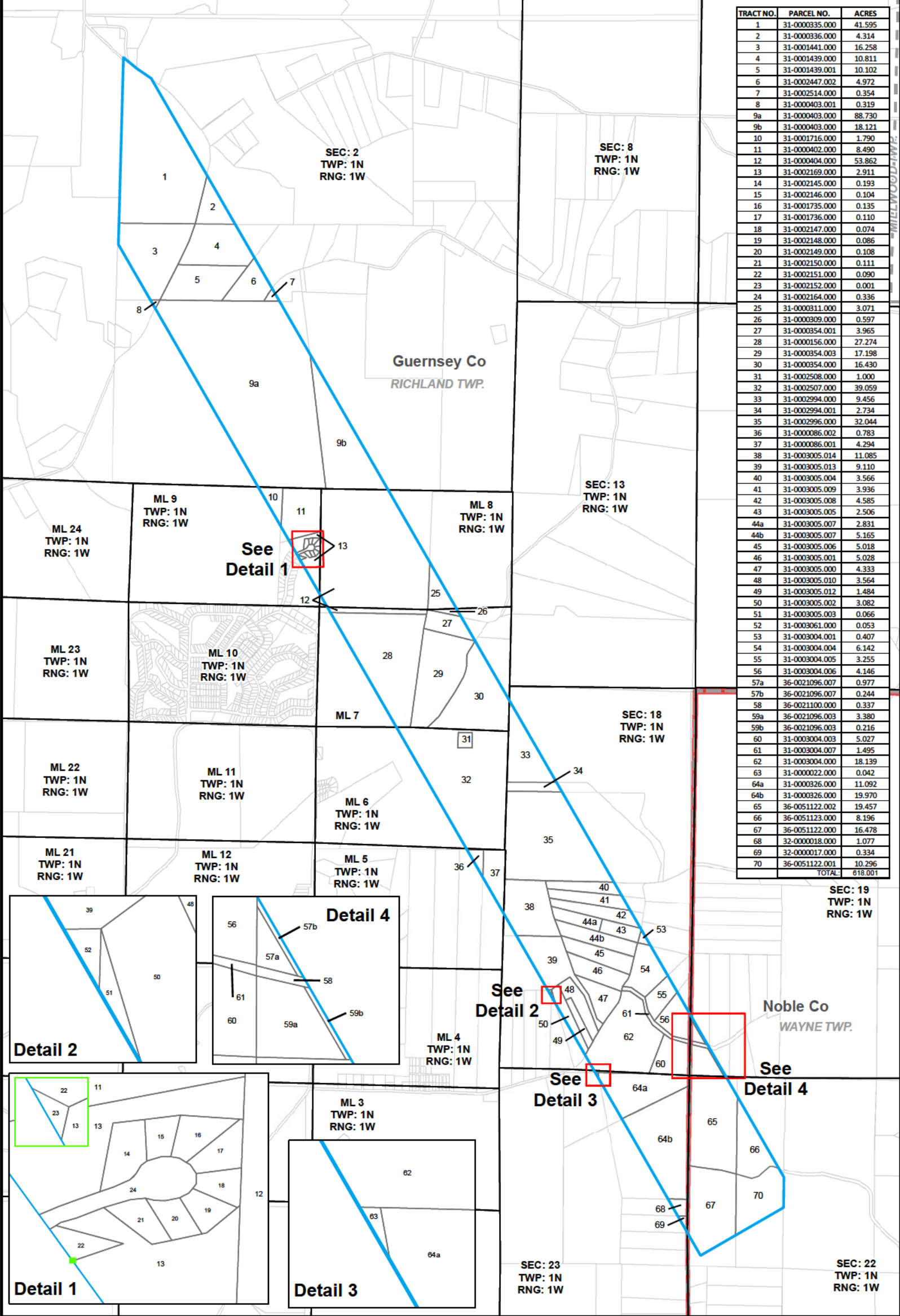
Exhibit B

Non-Consenting Working Interest Owners

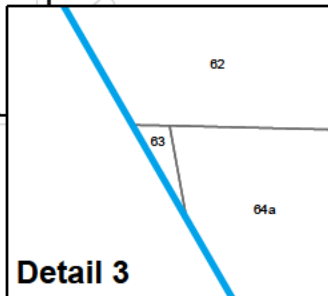
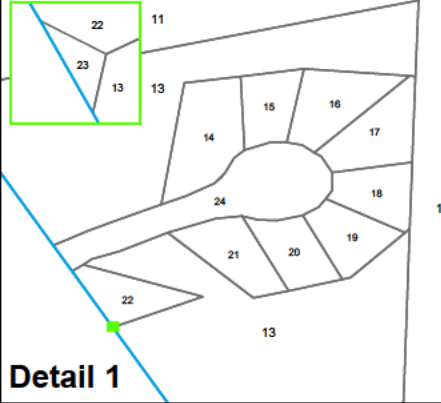
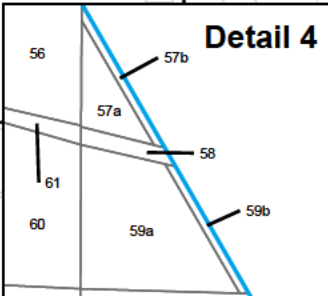
Tract Number	Non-Consenting Working Interest Owner	Address	City	State	Zip	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit (Net)	Tract Participation in Unit	Tax Map Parcel ID	Township	County
28	EAP Ohio, LLC Attn: Cullen D. Amend, Vice President	5847 San Felipe St., Ste. 400	Houston	TX	77057	Yes	0.750000	20.456	3.309946%	31-0000156.000	Richland	Guernsey
28	RIVERBEND OIL & GAS VI-B, LLC Attn: Justin Ezell	1200 Smith Street, Suite 1950	Houston	TX	77002	Yes	0.250000	6.819	1.103315%	31-0000156.000	Richland	Guernsey
31	EAP Ohio, LLC Attn: Cullen D. Amend, Vice President	5847 San Felipe St., Ste. 400	Houston	TX	77057	Yes	0.750000	0.375	0.060680%	31-0002508.000	Richland	Guernsey
31	RIVERBEND OIL & GAS VI-B, LLC Attn: Justin Ezell	1200 Smith Street, Suite 1950	Houston	TX	77002	Yes	0.250000	0.125	0.020227%	31-0002508.000	Richland	Guernsey
32	EAP Ohio, LLC Attn: Cullen D. Amend, Vice President	5847 San Felipe St., Ste. 400	Houston	TX	77057	Yes	0.750000	29.294	4.740162%	31-0002507.000	Richland	Guernsey
32	RIVERBEND OIL & GAS VI-B, LLC Attn: Justin Ezell	1200 Smith Street, Suite 1950	Houston	TX	77002	Yes	0.250000	9.765	1.580054%	31-0002507.000	Richland	Guernsey
57b	RHDK Oil & Gas, LLC Attn: Matt Berkeley	3596 State Route 39 NW	Dover	OH	44622	Yes	0.200000	0.049	0.007896%	36-0021096.007	Wayne	Noble
59b	RHDK Oil & Gas, LLC Attn: Matt Berkeley	3596 State Route 39 NW	Dover	OH	44622	Yes	0.200000	0.043	0.006990%	36-0021096.003	Wayne	Noble
Note: Some of the leasehold creating the non-consenting working interests identified above contain non-conforming pooling provisions.					Total Non-Consenting Acres:			66.925	10.829271%			
					Total Unit Acres:			618.001				

38	UTC014014000	Clinton A. Cross, Sr.	Yes	0.333333	3.695	0.597895%	31-0003005.014	Richland	Guemsey	0.597895%	0.478316%	0.119579%	0.000000%	0.000000%	5974 S. Main St.	Clinton	OH	44216
38	UTC014014000	Debra Gross	Yes	0.333333	3.695	0.597895%	31-0003005.014	Richland	Guemsey	0.597895%	0.478316%	0.119579%	0.000000%	0.000000%	1425 Norview Dr.	New Franklin	OH	44216
39	UTC014028000	Terry M. Stover	Yes	1.000000	9.110	1.474108%	31-0003005.013	Richland	Guemsey	1.474108%	1.179286%	0.294822%	0.000000%	0.000000%	62164 Patton Hollow Rd.	Cambridge	OH	43725
40	UTC014038000	Robert G. Berger and Jaqueline M. Berger, as survivorship tenants	Yes	1.000000	3.566	0.577022%	31-0003005.004	Richland	Guemsey	0.577022%	0.461617%	0.115404%	0.000000%	0.000000%	928 Donning Road	New Franklin	OH	44614
41	UTC014038000	Robert G. Berger	Yes	1.000000	3.936	0.636892%	31-0003005.009	Richland	Guemsey	0.636892%	0.509514%	0.127378%	0.000000%	0.000000%	928 Donning Road	New Franklin	OH	44614
42	UTC014029000	Russell R. Stanley	Yes	1.000000	4.585	0.741908%	31-0003005.008	Richland	Guemsey	0.741908%	0.593527%	0.148382%	0.000000%	0.000000%	334 Canova Drive	Akron	OH	44319
43	UTC013861000	Brenda K. Boarman	Yes	1.000000	2.506	0.405501%	31-0003005.005	Richland	Guemsey	0.405501%	0.324401%	0.081100%	0.000000%	0.000000%	914 Milo White Dr.	Akron	OH	44312
44a	UTC013861000	Brenda K. Boarman	Yes	1.000000	2.831	0.458090%	31-0003005.005	Richland	Guemsey	0.458090%	0.366472%	0.091618%	0.000000%	0.000000%	914 Milo White Dr.	Akron	OH	44312
44b	UTC023700000	Dennis W and Charlene S Renninger, as survivorship tenants	Yes	1.000000	5.165	0.835759%	31-0003005.007	Richland	Guemsey	0.835759%	0.835759%	0.000000%	0.000000%	0.000000%	633 Lincoln Ave.	Barberton	OH	44203
45	UTC023700000	Dennis W and Charlene S Renninger, as survivorship tenants	Yes	1.000000	5.018	0.811973%	31-0003005.006	Richland	Guemsey	0.811973%	0.811973%	0.000000%	0.000000%	0.000000%	633 Lincoln Ave.	Barberton	OH	44203
46	UTC028859000	Michael D. Cowgill and Maureen A. Cowgill, as survivorship tenants	Yes	1.000000	5.028	0.813591%	31-0003005.001	Richland	Guemsey	0.813591%	0.813591%	0.000000%	0.000000%	0.000000%	52230 Tower Road	Cumberland	OH	43732
47	UTC014028000	Terry M. Stover	Yes	1.000000	4.333	0.701132%	31-0003005.000	Richland	Guemsey	0.701132%	0.560905%	0.140226%	0.000000%	0.000000%	62164 Patton Hollow Rd.	Cambridge	OH	43725
48	UTC014028000	Terry M. Stover	Yes	1.000000	3.564	0.576698%	31-0003005.010	Richland	Guemsey	0.576698%	0.461358%	0.115340%	0.000000%	0.000000%	62164 Patton Hollow Rd.	Cambridge	OH	43725
49	UTC014546000	Kevin A. Warford	Yes	1.000000	1.484	0.240129%	31-0003005.012	Richland	Guemsey	0.240129%	0.240129%	0.000000%	0.000000%	0.000000%	18533 Sparrow Road	Senecaville	OH	43780
50	UTC029440000	Derl A. Troutman Family Trust dated May 24, 2011 Attn John K. Helmerci and Peter D. Troutman, Co-Trustees	Yes	1.000000	3.082	0.498705%	31-0003005.002	Richland	Guemsey	0.498705%	0.498705%	0.000000%	0.000000%	0.000000%	1348 N. Leavitt St.	Chicago	IL	60622
51	UTC013940000	Harding Properties, LLC Attn Dennis P. Harding and Jordi B. Harding Members	Yes	1.000000	0.066	0.010680%	31-0003005.003	Richland	Guemsey	0.010680%	0.008544%	0.002136%	0.000000%	0.000000%	12330 Conquer Hill Rd.	Byesville	OH	43723
52	UTC013940000	Harding Properties, LLC Attn Dennis P. Harding and Jordi B. Harding, Members	Yes	1.000000	0.053	0.008576%	31-0003061.000	Richland	Guemsey	0.008576%	0.006861%	0.001715%	0.000000%	0.000000%	12330 Conquer Hill Rd.	Byesville	OH	43723
53	UTC014032000	Arthur and Starla Rogers	Yes	1.000000	0.407	0.065857%	31-0003004.001	Richland	Guemsey	0.065857%	0.052686%	0.013171%	0.000000%	0.000000%	18840 Sparrow Road	Senecaville	OH	43780
54	UTC014033000	Paul F. Robb	Yes	0.500000	3.071	0.496925%	31-0003004.004	Richland	Guemsey	0.496925%	0.397540%	0.099385%	0.000000%	0.000000%	10704 Rising Sun Drive	Bakersfield	CA	93312
54	UTC014034000	John Michael Ols	Yes	0.500000	3.071	0.496925%	31-0003004.004	Richland	Guemsey	0.496925%	0.397540%	0.099385%	0.000000%	0.000000%	6397 Knapp Rd.	Ravenna	OH	44266
55	UTC013804000	Eddie G. Potts	Yes	1.000000	3.255	0.526698%	31-0003004.005	Richland	Guemsey	0.526698%	0.421359%	0.105340%	0.000000%	0.000000%	58488 Nighthawk Rd.	Salesville	OH	43778
56	UTC013804000	Eddie G. Potts	Yes	1.000000	4.146	0.670873%	31-0003004.006	Richland	Guemsey	0.670873%	0.536698%	0.134175%	0.000000%	0.000000%	58488 Nighthawk Rd.	Salesville	OH	43778

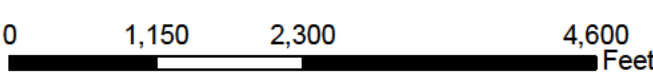
57a	UTC013776000	John J. Hrivnak	Yes	1.000000	0.977	0.158090%	36-0021096.007	Wayne	Noble	0.158090%	0.126472%	0.031618%	0.000000%	0.000000%	982 County Road 500	Nova	OH	44859	
57b	UTC013776000	John J. Hrivnak ³	Yes	1.000000	0.244	0.039482%	36-0021096.007	Wayne	Noble	0.031586%	0.031586%	0.007896%	0.000000%	0.000000%	982 County Road 500	Nova	OH	44859	
58	UTC013756000	Sparrow Hill, LLC Attn Albert and Carmella Tischler	Yes	1.000000	0.337	0.054531%	36-0021100.000	Wayne	Noble	0.054531%	0.043625%	0.010906%	0.000000%	0.000000%	15064 Apple Lane	Strongsville	OH	44149	
59a	UTC013765000	Davina S. Hupp and Joseph Hupp, wife and husband	Yes	1.000000	3.380	0.546925%	36-0021096.003	Wayne	Noble	0.546925%	0.437540%	0.109385%	0.000000%	0.000000%	45732 Bean Ridge Rd.	Summerfield	OH	43788	
59b	UTC013765000	Davina S. Hupp and Joseph Hupp, wife and husband ³	Yes	1.000000	0.216	0.034951%	36-0021096.003	Wayne	Noble	0.027961%	0.027961%	0.006990%	0.000000%	0.000000%	45732 Bean Ridge Rd.	Summerfield	OH	43788	
60	UTC029686000	Thomas J. Raybould	Yes	1.000000	5.027	0.813429%	31-0003004.003	Richland	Guernsey	0.813429%	0.813429%	0.000000%	0.000000%	0.000000%	3105 Landscape Circle NW	Canton	OH	44709	
61	UTC029929000	Sparrow Hill, LLC Attn Albert and Carmella Tischler	Yes	1.000000	1.495	0.241909%	31-0003004.007	Richland	Guernsey	0.241909%	0.241909%	0.000000%	0.000000%	0.000000%	15064 Apple Lane	Strongsville	OH	44149	
62	UTC013804000	Eddie G. Potts	Yes	1.000000	18.139	2.935109%	31-0003004.000	Richland	Guernsey	2.935109%	2.348087%	0.587022%	0.000000%	0.000000%	58488 Nighthawk Rd.	Salesville	OH	43778	
63	UTC013804000	Eddie G. Potts	Yes	1.000000	0.042	0.006796%	31-0000022.000	Richland	Guernsey	0.006796%	0.005437%	0.001359%	0.000000%	0.000000%	58488 Nighthawk Rd.	Salesville	OH	43778	
64a	UTC013824000	Gary A. Heckman	Yes	0.500000	5.546	0.897410%	31-0000326.000	Richland	Guernsey	0.897410%	0.717928%	0.179482%	0.000000%	0.000000%	1060 N Aspen Dr.	Chandler	AZ	85226	
64a	UTC013824000	Mark A. Heckman	Yes	0.500000	5.546	0.897410%	31-0000326.000	Richland	Guernsey	0.897410%	0.717928%	0.179482%	0.000000%	0.000000%	4273 Glen Dale Heights Rd.	Glen Dale	WV	26038	
64b	UTC014858000	Gary A. Heckman	Yes	0.500000	9.985	1.615693%	31-0000326.000	Richland	Guernsey	1.615693%	1.292555%	0.323139%	0.000000%	0.000000%	1060 N Aspen Dr.	Chandler	AZ	85226	
64b	UTC014858000	Mark A. Heckman	Yes	0.500000	9.985	1.615693%	31-0000326.000	Richland	Guernsey	1.615693%	1.292555%	0.323139%	0.000000%	0.000000%	4273 Glen Dale Heights Rd.	Glen Dale	WV	26038	
65	UTC020868000	Lori A. Figurski	Yes	1.000000	19.457	3.148377%	36-0051122.002	Wayne	Noble	3.148377%	3.148377%	0.000000%	0.000000%	0.000000%	P.O. Box 553	Adena	OH	43901	
66	UTC020121000	Curtis O. Larrick and Michelle A. Larrick, as survivorship tenants	Yes	1.000000	8.196	1.326211%	36-0051123.000	Wayne	Noble	1.326211%	1.326211%	0.000000%	0.000000%	0.000000%	24095 Campbell Road	Senecaville	OH	43780	
67	UTC021423000	Gene E. Thompson and Theresa M. Thompson Revocable Trust dated October 30, 2014 Attn Gene E. Thompson and Theresa M. Thompson, Co-Trustees	Yes	1.000000	16.478	2.666339%	36-0051122.000	Wayne	Noble	2.666339%	2.666339%	0.000000%	0.000000%	0.000000%	291 Hickory Lane	Senecaville	OH	43780	
68	201301868000	Joseph Pozuc and Carol Pozuc, as survivorship tenants	Yes	1.000000	1.077	0.174272%	32-0000018.000	Richland	Guernsey	0.174272%	0.139417%	0.034854%	0.000000%	0.000000%	4900 Chestnut Drive	Kent	OH	44240	
69	201301868000	Joseph Pozuc and Carol Pozuc as survivorship tenants	Yes	1.000000	0.334	0.054045%	32-0000017.000	Richland	Guernsey	0.054045%	0.043236%	0.010809%	0.000000%	0.000000%	4900 Chestnut Drive	Kent	OH	44240	
70	UTC020121000	Curtis O. Larrick and Michelle A. Larrick, as survivorship tenants	Yes	1.000000	10.296	1.666017%	36-0051122.001	Wayne	Noble	1.666017%	1.666017%	0.000000%	0.000000%	0.000000%	24095 Campbell Road	Senecaville	OH	43780	
					Total Unit Acres:	618.001	100.000000%			Total:	89.044031%	73.938748%	15.120170%	8.110788%	2.703596%				
					Total Leased Acres:	550.293													
				¹ NPRI = Non-Participating Royalty Interest ² Leasehold contains a non-conforming pooling provision ³ Partially Non-Consenting Working Interest Owner															



TRACT NO.	PARCEL NO.	ACRES
1	31-000335.000	41.595
2	31-000336.000	4.314
3	31-0001441.000	16.258
4	31-0001439.000	10.811
5	31-0001439.001	10.102
6	31-0002447.002	4.972
7	31-0002514.000	0.354
8	31-0000403.001	0.319
9a	31-0000403.000	88.730
9b	31-0000403.000	18.121
10	31-0001716.000	1.790
11	31-0000402.000	8.490
12	31-0000404.000	53.862
13	31-0002169.000	2.911
14	31-0002145.000	0.193
15	31-0002146.000	0.104
16	31-0001735.000	0.135
17	31-0001736.000	0.110
18	31-0002147.000	0.074
19	31-0002148.000	0.086
20	31-0002149.000	0.108
21	31-0002150.000	0.111
22	31-0002151.000	0.090
23	31-0002152.000	0.001
24	31-0002164.000	0.336
25	31-0000311.000	3.071
26	31-0000309.000	0.597
27	31-0000354.001	3.965
28	31-0000156.000	27.274
29	31-0000354.003	17.198
30	31-0000354.000	16.430
31	31-0002508.000	1.000
32	31-0002507.000	39.059
33	31-0002994.000	9.456
34	31-0002994.001	2.734
35	31-0002996.000	32.044
36	31-0000086.002	0.783
37	31-0000086.001	4.294
38	31-0003005.014	11.085
39	31-0003005.013	9.110
40	31-0003005.004	3.566
41	31-0003005.009	3.996
42	31-0003005.008	4.585
43	31-0003005.005	2.506
44a	31-0003005.007	2.831
44b	31-0003005.007	5.165
45	31-0003005.006	5.018
46	31-0003005.001	5.028
47	31-0003005.000	4.333
48	31-0003005.010	3.564
49	31-0003005.012	1.484
50	31-0003005.002	3.082
51	31-0003005.003	0.066
52	31-0003061.000	0.053
53	31-0003004.001	0.407
54	31-0003004.004	6.142
55	31-0003004.005	3.255
56	31-0003004.006	4.146
57a	36-0021096.007	0.977
57b	36-0021096.007	0.244
58	36-0021100.000	0.337
59a	36-0021096.003	3.380
59b	36-0021096.003	0.216
60	31-0003004.003	5.027
61	31-0003004.007	1.495
62	31-0003004.000	18.139
63	31-0000022.000	0.042
64a	31-0000326.000	11.092
64b	31-0000326.000	19.970
65	36-0051122.002	19.457
66	36-0051123.000	8.196
67	36-0051122.000	16.478
68	32-0000018.000	1.077
69	32-0000017.000	0.334
70	36-0051122.001	10.296
TOTAL:		618.001



LAVADA RCH GR
Exhibit D



1 in = 1,507 ft

Legend

- LAVADA RCH GR - 618.001 Ac.
- PLSS Section
- Tax Parcels
- Townships
- Counties