



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-2
Columbus, Ohio 43229
Phone: (614) 265-6922; Fax: (614) 265-6910

ORDER BY THE CHIEF

June 25, 2021

ORDER NO. 2021-126

**TO: Ascent Resources - Utica, LLC
P.O. Box 13678
Oklahoma City, OK 73113**

**RE: Application for Unitization
Beetle SHC HR Unit
Harrison County, Ohio**

**SUBJECT: Order for Unit Operations of the Utica/Point Pleasant Formations for the
Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR Unit dated February 9, 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 for the corresponding tracts in the exhibit.
- 7) "Consenting working interest owner" means any working interest owner who enters into an agreement with Ascent pertaining to the operation of the Beetle SHC HR 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 Beetle SHC HR Unit. At the time of this order, the non-consenting working interest owners identified by Ascent 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 549.064 acres located in Short Creek Township, in Harrison 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) Ascent 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 April 28, 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. Ascent employees provided testimony on the application and answered questions from Division staff.

FINDINGS:

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

ORDER:

IT IS HEREBY ORDERED:

Pursuant to R.C. § 1509.28, Ascent is authorized to conduct operations within the Beetle SHC HR Unit in accordance with all of the following:

Plan for Unit Operations

- 1) The unit area is comprised of the tracts totaling 549.064 acres in Short Creek Township, in Harrison County, Ohio, as shown on Exhibit D.
- 2) Ascent proposes to drill two wells in the Beetle SHC HR 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/Point Pleasant Formations 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 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 Ascent at the Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 Harrison 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. 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 Beetle SHC HR 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) 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 Beetle SHC HR 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 Beetle SHC HR 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 Beetle SHC HR 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 terminate 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 December 28, 2021, 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 Harrison 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. 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 Beetle SHC HR 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 Ascent's Unit Agreement and Model Form Operating Agreement attached to the application, this Chief's Order takes precedence.

June 25, 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 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	Tract Participation in Unit	Tax Map Parcel ID	Tract Surface Use	Township	County	Address	City	State	Zip
2	Unleased	Unknown Successor Trustee under N. Hazel Warren Trust aka Unknown Acting Trustee(s) of the N. Hazel Warren Trust, under a certain trust agreement dated August 23, 1994, or their successors-in-interest	No	1.000000	23.483	4.276915%	26-0000168.000	Agricultural	Short Creek	Harrison	RD #2 Box 344	Bloomingtondale	OH	43910
					Total Unit Acres:	549.0640								
					Total Unleased Acres:	23.4830								
					Total Unleased Percentage:	4.276915%								

Exhibit B

Non-Consenting Working Interest Owners

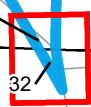
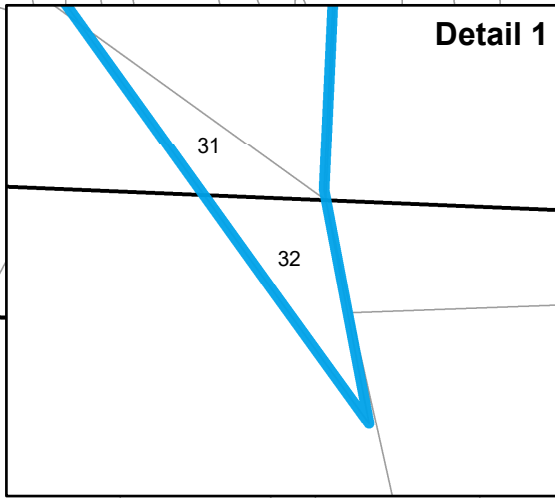
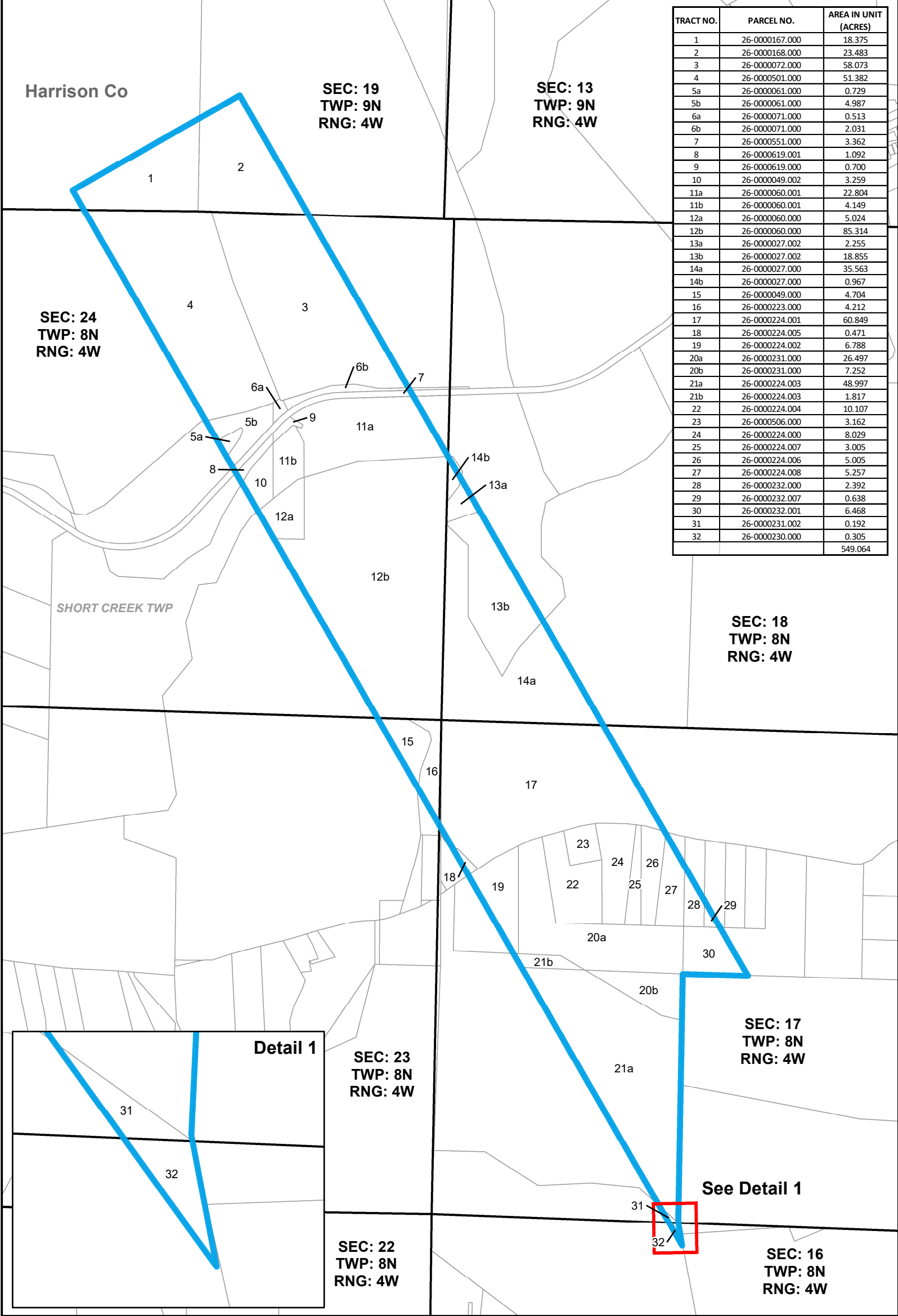
Tract Number	Uncommitted Working Interest Owner	Address	City	State	Zip	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County
1	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	0.500000	9.1875	1.673302%	26-0000167.000	Short Creek	Harrison
3	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	0.500000	29.0365	5.288363%	26-0000072.000	Short Creek	Harrison
4	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	0.750000	38.5365	7.018581%	26-0000501.000	Short Creek	Harrison
5b	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	0.750000	3.7403	0.681205%	26-0000061.000	Short Creek	Harrison
6a	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	0.750000	0.3848	0.070074%	26-0000071.000	Short Creek	Harrison
28	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	1.000000	2.3920	0.435650%	26-0000232.000	Short Creek	Harrison
29	EAP Ohio, LLC, ATTN: Cullen D. Amend, Vice President	5847 San Felipe Street, Suite 400	Houston	TX	77057	Yes	1.000000	0.6380	0.116198%	26-0000232.007	Short Creek	Harrison
								Total Unit Acres:	549.0640			
								Total Uncommitted Acres:	83.9155			
								Total Uncommitted Percentage:	15.283373%			

Exhibit C

Tract Number	Lease ID Number (optional)	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Committed Working Interest Percentage	Applicant Working Interest Percentage	TOTAL E&P USA, INC Working Interest Percentage	EAP Ohio, LLC Working Interest Percentage	Address	City	State	Zip
1	UTC018077000	Bounty Minerals, LLC ATTN: Tracie R. Palmer, Executive Vice President	Yes	0.500000	9.1875	1.673302%	26-0000167.000	Short Creek	Harrison	1.673302%	1.673302%	0.000000%	0.000000%	777 Main Street Suite 3400	Fort Worth	TX	76102
1	EAP	EAP Ohio, LLC ATTN: Cullen D. Amend, Vice President	Yes	0.500000	9.1875	1.673302%	26-0000167.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	1.673302%	5847 San Felipe Street Suite 400	Houston	TX	77057
2	Unleased	Unknown Successor Trustee under N. Hazel Warren Trust aka Unknown Acting Trustee(s) of the N. Hazel Warren Trust, under a certain trust agreement dated August 23, 1994, or their successors-in-interest	No	1.000000	23.4830	4.276915%	26-0000168.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	Unknown	Unknown	Unknown	Unknown
3	UTC018077000	Bounty Minerals, LLC ATTN: Tracie R. Palmer, Executive Vice President	Yes	0.500000	29.0365	5.288363%	26-0000072.000	Short Creek	Harrison	5.288363%	5.288363%	0.000000%	0.000000%	777 Main Street Suite 3400	Fort Worth	TX	76102
3	EAP	EAP Ohio, LLC ATTN: Cullen D. Amend, Vice President	Yes	0.500000	29.0365	5.288363%	26-0000072.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	5.288363%	5847 San Felipe Street Suite 400	Houston	TX	77057
4	EAP	EAP Ohio, LLC ATTN: Cullen D. Amend, Vice President	Yes	1.000000	51.3820	9.358108%	26-0000501.000	Short Creek	Harrison	2.339527%	0.000000%	2.339527%	7.018581%	5847 San Felipe Street Suite 400	Houston	TX	77057
4	EAP	RJR Resources LLC (NPRI Only)* ATTN: Ron Broadway, Manager	Yes	0.000000	0.0000	0.000000%	26-0000501.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
4	EAP	Windhaven Interests LLC (NPRI Only)* ATTN: John Calce, President	Yes	0.000000	0.0000	0.000000%	26-0000501.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5601 Preakness Lane	Plano	TX	75093
4	EAP	Blackhawk Minerals LLC (NPRI Only)* ATTN: Ron Broadway, Sole Member	Yes	0.000000	0.0000	0.000000%	26-0000501.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
5a	UTC018058000	Pellis and Matthews ATTN: Thomas Pellis and Bernard Matthews, Partners	Yes	1.000000	0.7290	0.132771%	26-0000061.000	Short Creek	Harrison	0.132771%	0.132771%	0.000000%	0.000000%	1001 Southway Dr.	Greensburg	PA	15601
5b	EAP	EAP Ohio, LLC ATTN: Cullen D. Amend, Vice President	Yes	1.000000	4.9870	0.908273%	26-0000061.000	Short Creek	Harrison	0.227068%	0.000000%	0.227068%	0.681205%	5847 San Felipe Street Suite 400	Houston	TX	77057
5b	EAP	RJR Resources LLC (NPRI Only)* ATTN: Ron Broadway, Manager	Yes	0.000000	0.0000	0.000000%	26-0000061.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
5b	EAP	Windhaven Interests LLC (NPRI Only)* ATTN: John Calce, President	Yes	0.000000	0.0000	0.000000%	26-0000061.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5601 Preakness Lane	Plano	TX	75093
5b	EAP	Blackhawk Minerals LLC (NPRI Only)* ATTN: Ron Broadway, Sole Member	Yes	0.000000	0.0000	0.000000%	26-0000061.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
6a	EAP	EAP Ohio, LLC ATTN: Cullen D. Amend, Vice President	Yes	1.000000	0.5130	0.093432%	26-0000071.000	Short Creek	Harrison	0.023358%	0.000000%	0.023358%	0.070074%	5847 San Felipe Street Suite 400	Houston	TX	77057
6a	EAP	RJR Resources LLC (NPRI Only)* ATTN: Ron Broadway, Manager	Yes	0.000000	0.0000	0.000000%	26-0000071.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
6a	EAP	Windhaven Interests LLC (NPRI Only)* ATTN: John Calce, President	Yes	0.000000	0.0000	0.000000%	26-0000071.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5601 Preakness Lane	Plano	TX	75093
6a	EAP	Blackhawk Minerals LLC (NPRI Only)* ATTN: Ron Broadway, Sole Member	Yes	0.000000	0.0000	0.000000%	26-0000071.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.000000%	5080 Spectrum Dr Ste 510E	Addison	TX	75001
6b	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	2.0310	0.369902%	26-0000071.000	Short Creek	Harrison	0.369902%	0.369902%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
7	UTC025294000	Wheeling & Lake Erie Railway Company ATTN: Larry R. Parsons, Chairman & CEO	Yes	1.000000	3.3620	0.612315%	26-0000551.000	Short Creek	Harrison	0.612315%	0.612315%	0.000000%	0.000000%	100 East First Street	Brewster	OH	44613
8	UTC018058000	Pellis and Matthews ATTN: Thomas Pellis and Bernard Matthews, Partners	Yes	1.000000	1.0920	0.198884%	26-0000619.001	Short Creek	Harrison	0.198884%	0.198884%	0.000000%	0.000000%	1001 Southway Dr.	Greensburg	PA	15601
9	UTC024384001	Hazel J. Nolan	Yes	1.000000	0.7000	0.127490%	26-0000619.000	Short Creek	Harrison	0.127490%	0.127490%	0.000000%	0.000000%	623 Strawcutter Rd.	Derry	PA	15627
10	UTC018058000	Pellis and Matthews ATTN: Thomas Pellis and Bernard Matthews, Partners	Yes	1.000000	3.2590	0.593556%	26-0000049.002	Short Creek	Harrison	0.593556%	0.593556%	0.000000%	0.000000%	1001 Southway Dr.	Greensburg	PA	15601
11a	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	22.8040	4.153250%	26-0000060.001	Short Creek	Harrison	4.153250%	4.153250%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
11b	UTC024384001	Hazel J. Nolan	Yes	1.000000	4.1490	0.755650%	26-0000060.001	Short Creek	Harrison	0.755650%	0.755650%	0.000000%	0.000000%	623 Strawcutter Rd.	Derry	PA	15627
12a	UTC025298000	Randon L. Nelson and ReNee R. Nelson husband and wife	Yes	1.000000	5.0240	0.915012%	26-0000060.000	Short Creek	Harrison	0.915012%	0.915012%	0.000000%	0.000000%	62222 Frankfort Road	Salesville	OH	43778
12b	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	85.3140	15.538079%	26-0000060.000	Short Creek	Harrison	15.538079%	15.538079%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
13a	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	2.2550	0.410699%	26-0000027.002	Short Creek	Harrison	0.410699%	0.410699%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
13b	UTC024384001	Hazel J. Nolan	Yes	1.000000	18.8550	3.434026%	26-0000027.002	Short Creek	Harrison	3.434026%	3.434026%	0.000000%	0.000000%	623 Strawcutter Rd.	Derry	PA	15627
14a	UTC025298000	Randon L. Nelson and ReNee R. Nelson husband and wife	Yes	1.000000	35.5630	6.477023%	26-0000027.000	Short Creek	Harrison	6.477023%	6.477023%	0.000000%	0.000000%	62222 Frankfort Road	Salesville	OH	43778
14b	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	0.9670	0.176118%	26-0000027.000	Short Creek	Harrison	0.176118%	0.176118%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
15	Pending	Ascent Utica Minerals, LLC ATTN: Mike McLaughlin	Yes	1.000000	4.7040	0.856731%	26-0000049.000	Short Creek	Harrison	0.856731%	0.856731%	0.000000%	0.000000%	3501 NW 63rd St.	Oklahoma City	OK	73116
16	UTC025410001	Randon L. Nelson and ReNee R. Nelson husband and wife	Yes	1.000000	4.2120	0.767124%	26-0000223.000	Short Creek	Harrison	0.767124%	0.767124%	0.000000%	0.000000%	62222 Frankfort Road	Salesville	OH	43778
17	UTC025410001	Randon L. Nelson and ReNee R. Nelson husband and wife	Yes	1.000000	60.8490	11.082315%	26-0000224.001	Short Creek	Harrison	11.082315%	11.082315%	0.000000%	0.000000%	62222 Frankfort Road	Salesville	OH	43778

18	UTC024983000	Stanley J. Stenkowski and Debra A. Stenkowski, husband and wife	Yes	1.000000	0.4710	0.085782%	26-0000224.005	Short Creek	Harrison	0.085782%	0.085782%	0.000000%	0.000000%	47050 Stumptown Road	Cadiz	OH	43907
19	UTC002044000	Afeworki Paulos	Yes	1.000000	6.7880	1.236286%	26-0000224.002	Short Creek	Harrison	1.236286%	1.236286%	0.000000%	0.000000%	246 Nancy St.	Monticello	GA	31064
20a	UTC002100000	Leroy A. Miller and Mattie Miller, husband and wife	Yes	1.000000	26.4970	4.825849%	26-0000231.000	Short Creek	Harrison	4.825849%	4.825849%	0.000000%	0.000000%	14385-B Salt Creek Rd	Apple Creek	OH	44606
20b	UTC018095003	David Christopher Hines	Yes	0.250000	1.8130	0.330198%	26-0000231.000	Short Creek	Harrison	0.330198%	0.330198%	0.000000%	0.000000%	9461 N 37 Rd	Manton	MI	49663
20b	UTC018095002	Drue Anne Hines Danz	Yes	0.250000	1.8130	0.330198%	26-0000231.000	Short Creek	Harrison	0.330198%	0.330198%	0.000000%	0.000000%	155 Bettys Creek Dr.	Moneta	VA	24121
20b	UTC018095001	Richard Scott Hines	Yes	0.250000	1.8130	0.330198%	26-0000231.000	Short Creek	Harrison	0.330198%	0.330198%	0.000000%	0.000000%	4265 E Laurel Ridge	Port Clinton	OH	43452
20b	UTC018095004	Walter Vance Hines	Yes	0.250000	1.8130	0.330198%	26-0000231.000	Short Creek	Harrison	0.330198%	0.330198%	0.000000%	0.000000%	720 Glenarbor Circle	Longmont	CO	80504
21a	UTC018095003	David Christopher Hines	Yes	0.250000	12.2493	2.230933%	26-0000224.003	Short Creek	Harrison	2.230933%	2.230933%	0.000000%	0.000000%	9461 N 37 Rd	Manton	MI	49663
21a	UTC018095002	Drue Anne Hines Danz	Yes	0.250000	12.2493	2.230933%	26-0000224.003	Short Creek	Harrison	2.230933%	2.230933%	0.000000%	0.000000%	155 Bettys Creek Dr.	Moneta	VA	24121
21a	UTC018095001	Richard Scott Hines	Yes	0.250000	12.2493	2.230933%	26-0000224.003	Short Creek	Harrison	2.230933%	2.230933%	0.000000%	0.000000%	4265 E Laurel Ridge	Port Clinton	OH	43452
21a	UTC018095004	Walter Vance Hines	Yes	0.250000	12.2493	2.230933%	26-0000224.003	Short Creek	Harrison	2.230933%	2.230933%	0.000000%	0.000000%	720 Glenarbor Circle	Longmont	CO	80504
21b	UTC025639001	M & H Partnership ATTN: David E. Miller, Partner	Yes	1.000000	1.8170	0.330927%	26-0000224.003	Short Creek	Harrison	0.330927%	0.330927%	0.000000%	0.000000%	8008 Township Road 662	Dundee	OH	44624
22	UTC002600000	Charles Turner and Helen Turner, husband and wife	Yes	1.000000	10.1070	1.840769%	26-0000224.004	Short Creek	Harrison	1.840769%	1.840769%	0.000000%	0.000000%	5201 Bigger Rd	Kettering	OH	45440
23	PENDING	Heritage Cooperative, Inc ATTN: Jeffrey C. Osentoski, CEO	Yes	1.000000	3.1620	0.575889%	26-0000506.000	Short Creek	Harrison	0.575889%	0.575889%	0.000000%	0.000000%	59 Greif Parkway Suite 200	Delaware	OH	43015
24	UTC002597000	AMP IV, LP ATTN: Gradie Folmar	Yes	1.000000	8.0290	1.462307%	26-0000224.000	Short Creek	Harrison	1.462307%	1.462307%	0.000000%	0.000000%	225 Ross Street Suite 301	Pittsburgh	PA	15219
25	UTC002597000	AMP IV, LP ATTN: Gradie Folmar	Yes	1.000000	3.0050	0.547295%	26-0000224.007	Short Creek	Harrison	0.547295%	0.547295%	0.000000%	0.000000%	225 Ross Street Suite 301	Pittsburgh	PA	15219
26	UTC002599000	Bertha M. Crane	Yes	1.000000	5.0050	0.911551%	26-0000224.006	Short Creek	Harrison	0.911551%	0.911551%	0.000000%	0.000000%	47763 Stumptown Rd	Cadiz	OH	43907
27	UTC002599000	Bertha M. Crane	Yes	1.000000	5.2570	0.957448%	26-0000224.008	Short Creek	Harrison	0.957448%	0.957448%	0.000000%	0.000000%	47763 Stumptown Rd	Cadiz	OH	43907
28	EAP	Theodore M. Zeroski, Jr. and Ann E. Zeroski, husband and wife	Yes	1.000000	2.3920	0.435650%	26-0000232.000	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.435650%	52820 Sunny Lane Dr.	Dillonvale	OH	43917
29	EAP	Theodore M. Zeroski, Jr. and Ann E. Zeroski, husband and wife	Yes	1.000000	0.6380	0.116198%	26-0000232.007	Short Creek	Harrison	0.000000%	0.000000%	0.000000%	0.116198%	52820 Sunny Lane Dr.	Dillonvale	OH	43917
30	UTC013116000	Wayne M. Wasara and Kathleen M. Wasara, husband and wife	Yes	1.000000	6.4680	1.178005%	26-0000232.001	Short Creek	Harrison	1.178005%	1.178005%	0.000000%	0.000000%	336 Inwood Blvd.	Avon Lake	OH	44012
31	UTC018095003	David Christopher Hines	Yes	0.250000	0.0480	0.008742%	26-0000231.002	Short Creek	Harrison	0.008742%	0.008742%	0.000000%	0.000000%	9461 N 37 Rd	Manton	MI	49663
31	UTC018095002	Drue Anne Hines Danz	Yes	0.250000	0.0480	0.008742%	26-0000231.002	Short Creek	Harrison	0.008742%	0.008742%	0.000000%	0.000000%	155 Bettys Creek Dr.	Moneta	VA	24121
31	UTC018095001	Richard Scott Hines	Yes	0.250000	0.0480	0.008742%	26-0000231.002	Short Creek	Harrison	0.008742%	0.008742%	0.000000%	0.000000%	4265 E Laurel Ridge	Port Clinton	OH	43452
31	UTC018095004	Walter Vance Hines	Yes	0.250000	0.0480	0.008742%	26-0000231.002	Short Creek	Harrison	0.008742%	0.008742%	0.000000%	0.000000%	720 Glenarbor Circle	Longmont	CO	80504
32	UTC018095003	David Christopher Hines	Yes	0.250000	0.0763	0.013887%	26-0000230.000	Short Creek	Harrison	0.013887%	0.013887%	0.000000%	0.000000%	9461 N 37 Rd	Manton	MI	49663
32	UTC018095002	Drue Anne Hines Danz	Yes	0.250000	0.0763	0.013887%	26-0000230.000	Short Creek	Harrison	0.013887%	0.013887%	0.000000%	0.000000%	155 Bettys Creek Dr.	Moneta	VA	24121
32	UTC018095001	Richard Scott Hines	Yes	0.250000	0.0763	0.013887%	26-0000230.000	Short Creek	Harrison	0.013887%	0.013887%	0.000000%	0.000000%	4265 E Laurel Ridge	Port Clinton	OH	43452
32	UTC018095004	Walter Vance Hines	Yes	0.250000	0.0763	0.013887%	26-0000230.000	Short Creek	Harrison	0.013887%	0.013887%	0.000000%	0.000000%	720 Glenarbor Circle	Longmont	CO	80504
				Total Unit Acres:	549.0640												
				Total Leased Acres:	441.6655												
				TOTAL:	80.439712%	77.849759%	2.589953%	15.283373%									

* NPRI = Non-Participating Royalty Interest

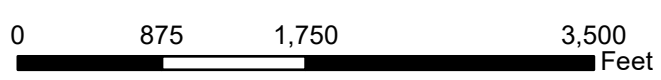


See Detail 1



NAD 1927 UTM Zone 17N

BEETLE SHC HR
Exhibit D



1 in = 1,167 ft
Beetle SHC HR Unit

Legend	
	BEETLE SHC HR - 549.064 Ac.
	PLSS Section
	Townships

Note:
Boundaries and map features shown were not provided by a Registered Professional Land Surveyor.