



Ohio Department of Natural Resources

MIKE DEWINE, GOVERNOR

MARY MERTZ, DIRECTOR

Eric Vendel, Chief

Division of Oil and Gas Resources Management
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ORDER BY THE CHIEF

October 12, 2023

ORDER NO. 2023-211

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

**RE: Application for Unitization
Pearl N WEL JF Unit
Jefferson County, Ohio**

**SUBJECT: Order for Unit Operations of the Utica shale and Point Pleasant Formation
for the Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF Unit signed on July 27, 2023, 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 Pearl N WEL JF 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 Pearl N WEL JF Unit. At the time of this order, no non-consenting working interest owners have been identified by Ascent.
- 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 A totaling 435.982 acres located in Cross Creek and Wells Townships, Jefferson County, Ohio as shown in Exhibit B.
- 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 September 20, 2023. 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF Unit exceeds the estimated additional cost incident to conducting the operation of the Pearl N WEL JF Unit.

ORDER:

IT IS HEREBY ORDERED:

Pursuant to R.C. § 1509.28, Ascent is authorized to conduct operations within the Pearl N WEL JF Unit in accordance with all of the following:

Plan for Unit Operations

- 1) The unit area is comprised of the tracts totaling 435.982 acres in Cross Creek and Wells Townships, Jefferson County, Ohio, as shown on Exhibit B.
- 2) Ascent proposes to drill one well in the Pearl N WEL JF Unit for the purpose of recovering oil and gas. Ascent shall drill at 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 one well no later than two years after the date of approval of this order. If Ascent fails to drill, complete, and produce at least one well 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 one well in the Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 each applicable county recorder's office in the records of each of the tracts that are subject to this order and referenced in Exhibit B 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 Pearl N WEL JF 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 April 12, 2024, the order is revoked, and the Chief shall provide notice of the revocation to Ascent and to all persons listed in Exhibit A 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 each applicable county recorder's office in the records of each of the tracts that are subject to this order and referenced in Exhibit B 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 Pearl N WEL JF 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 the terms of this Chief’s Order and any part of Ascent’s application, the Chief’s Order takes precedence.

October 12, 2023

Eric Vendel

Date

/s/

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

Pearl N WEL JF Unit Chief's Order Exhibit A

Exhibit A																	
All Mineral Owners in the proposed Pearl N WEL JF Unit.																	
Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
1	PENDING	Ascent Utica Minerals, LLC	Yes	1.000	13.995	3.210%	50-02200-000	Wells	Jefferson	3.210%	3.210%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
2	Unleased Mineral Interest	CJW Properties Brilliant, LLC	No	1.000	0.429	0.098%	50-02093-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Carol Bush 326 Bryn Du Drive	Granville	OH	43023	None
3	UTC023179000	The Estate of Donald E. Grant, deceased	Yes	1.000	0.340	0.078%	50-02091-000	Wells	Jefferson	0.078%	0.078%	0.000%	Attn: G. Garth Grant, Executor 12030 Sandgate Drive	Chesterland	OH	44026	Updated mineral owner and address due to death of mineral owner and open probate
4	UTC016053000	Polish Historical Society, Inc.	Yes	0.100	6.461	1.482%	50-00374-000	Wells	Jefferson	1.482%	1.482%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
4	Competitor Leased	Ridgetop Investors, LLC	Yes	0.406	26.249	6.021%	50-00374-000	Wells	Jefferson	6.021%	0.000%	6.021%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
4	Competitor Leased	Rodeo Resources, LLC	Yes	0.250	16.154	3.705%	50-00374-000	Wells	Jefferson	3.705%	0.000%	3.705%	Attn: Molly K. Johnson, Manager 12 West Main Street	Canfield	OH	44406	None
4	PENDING	Ascent Utica Minerals, LLC	Yes	0.244	15.750	3.612%	50-00374-000	Wells	Jefferson	3.612%	3.612%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
5a	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.500	15.409	3.534%	50-01563-000	Wells	Jefferson	3.534%	3.534%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
5a	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	10.016	2.297%	50-01563-000	Wells	Jefferson	2.297%	2.297%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
5a	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	1.541	0.353%	50-01563-000	Wells	Jefferson	0.353%	0.353%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
5a	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	3.082	0.707%	50-01563-000	Wells	Jefferson	0.707%	0.000%	0.707%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
5a	Unleased Mineral Interest	The Chapin School, LTD	No	0.013	0.385	0.088%	50-01563-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
5a	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.193	0.044%	50-01563-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	None
5a	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.193	0.044%	50-01563-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	None
5b	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.754	61.347	14.071%	50-01563-000	Wells	Jefferson	14.071%	14.071%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	Interest Correction
5b	UTC020850000	Starvaggi Industries, Inc.	Yes	0.246	20.002	4.588%	50-01563-000	Wells	Jefferson	4.588%	4.588%	0.000%	Attn: Luke Myers, President 401 Pennsylvania Avenue	Weirton	WV	26062	Interest Correction
6a	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.500	14.099	3.234%	50-01565-000	Wells	Jefferson	3.234%	3.234%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
6a	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	9.164	2.102%	50-01565-000	Wells	Jefferson	2.102%	2.102%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
6a	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	1.410	0.323%	50-01565-000	Wells	Jefferson	0.323%	0.323%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
6a	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	2.820	0.647%	50-01565-000	Wells	Jefferson	0.647%	0.000%	0.647%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
6a	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.176	0.040%	50-01565-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	None
6a	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.176	0.040%	50-01565-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	None
6a	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.352	0.081%	50-01565-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
6b	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.500	4.183	0.959%	50-01565-000	Wells	Jefferson	0.959%	0.959%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
6b	UTC022821000	Starvaggi Industries, Inc.	Yes	0.500	4.183	0.959%	50-01565-000	Wells	Jefferson	0.959%	0.959%	0.000%	Attn: Luke Myers, President 401 Pennsylvania Avenue	Weirton	WV	26062	None
7	UTC012829000	Ascent Utica Minerals, LLC	Yes	1.000	0.016	0.004%	50-00835-000	Wells	Jefferson	0.004%	0.004%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
8a	UTC016434000	Roger Hendricks	Yes	0.500	0.758	0.174%	50-00846-000	Wells	Jefferson	0.174%	0.174%	0.000%	2184 County Road 19	Mingo Junction	OH	43938	None
8a	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	0.076	0.017%	50-00846-000	Wells	Jefferson	0.017%	0.017%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
8a	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	0.492	0.113%	50-00846-000	Wells	Jefferson	0.113%	0.113%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None

Exhibit A

All Mineral Owners in the proposed Pearl N WEL JF Unit.

Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
8a	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	0.152	0.035%	50-00846-000	Wells	Jefferson	0.035%	0.000%	0.035%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
8a	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.009	0.002%	50-00846-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	None
8a	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.009	0.002%	50-00846-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	None
8a	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.019	0.004%	50-00846-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
8b	UTC016434000	Roger Hendricks	Yes	1.000	1.252	0.287%	50-00846-000	Wells	Jefferson	0.287%	0.287%	0.000%	2184 County Road 19	Mingo Junction	OH	43938	None
9	UTC022771000	Barbara E. Schilling Revocable Trust, by Barbara E. Schilling, Trustee	Yes	0.500	3.778	0.867%	50-01566-000	Wells	Jefferson	0.867%	0.867%	0.000%	Attn: Barbara Schilling, Trustee 2251 County Road 19	Mingo Junction	OH	43938	None
9	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	2.456	0.563%	50-01566-000	Wells	Jefferson	0.563%	0.563%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
9	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	0.378	0.087%	50-01566-000	Wells	Jefferson	0.087%	0.087%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
9	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	0.756	0.173%	50-01566-000	Wells	Jefferson	0.173%	0.000%	0.173%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
9	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.047	0.011%	50-01566-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	None
9	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.047	0.011%	50-01566-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	None
9	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.094	0.022%	50-01566-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
10	UTC016434000	Roger Glen Hendricks and wife, Tina M. Hendricks, as survivorship tenants	Yes	1.000	0.389	0.089%	50-00749-000	Wells	Jefferson	0.089%	0.089%	0.000%	2184 County Road 19	Mingo Junction	OH	43938	None
11	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.500	0.149	0.034%	50-01539-000	Wells	Jefferson	0.034%	0.034%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
11	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	0.097	0.022%	50-01539-000	Wells	Jefferson	0.022%	0.022%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
11	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	0.015	0.003%	50-01539-000	Wells	Jefferson	0.003%	0.003%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
11	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	0.030	0.007%	50-01539-000	Wells	Jefferson	0.007%	0.000%	0.007%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
11	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.002	0.0004%	50-01539-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	Expanded Decimals
11	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.002	0.0004%	50-01539-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	Expanded Decimals
11	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.004	0.001%	50-01539-000	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
12	PENDING	James E. Holskey and wife, Colleen K. Holskey, as survivorship tenants	Yes	0.500	0.028	0.006%	50-01539-003	Wells	Jefferson	0.006%	0.006%	0.000%	2072 County Road 19	Mingo Junction	OH	43938	Updated leased status
12	UTC020977000	Polish Historical Society, Inc.	Yes	0.050	0.003	0.001%	50-01539-003	Wells	Jefferson	0.001%	0.001%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
12	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.0003	0.0001%	50-01539-003	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	Expanded Decimals
12	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.425	0.023	0.005%	50-01539-003	Wells	Jefferson	0.005%	0.000%	0.005%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
12	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.0003	0.0001%	50-01539-003	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	Expanded Decimals
12	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.001	0.0002%	50-01539-003	Wells	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact and Expanded Decimals
13	UTC027675000	Cathy Head	Yes	1.000	3.919	0.899%	50-00368-000	Wells	Jefferson	0.899%	0.899%	0.000%	1645 County Road 19	Mingo Junction	OH	43938	None
14	UTC022821000	Starvaggi Industries, Inc.	Yes	1.000	1.689	0.387%	50-01277-000	Wells	Jefferson	0.387%	0.387%	0.000%	Attn: Luke Myers, President 401 Pennsylvania Avenue	Weirton	WV	26062	None
15	UTC017458000	Lawrence W. Horner, Sr. and wife, Wanda E. Horner, as survivorship tenants	Yes	1.000	0.126	0.029%	50-01276-000	Wells	Jefferson	0.029%	0.029%	0.000%	1559 County Road 19	Mingo Junction	OH	43938	None
16	UTC026585000	Tammy Jo Young	Yes	1.000	0.083	0.019%	50-01275-000	Wells	Jefferson	0.019%	0.019%	0.000%	38 Hannah Avenue	Adena	OH	43901	Updated mineral owner address
17	UTC017670000	Deborah A. DiFilippo	Yes	1.000	0.629	0.144%	50-01008-000	Wells	Jefferson	0.144%	0.144%	0.000%	1497 County Road 19	Mingo Junction	OH	43938	None
18	UTC017749000	James J. Canestraro and wife, Vonna L. Canestraro, as survivorship tenants	Yes	1.000	0.716	0.164%	50-01537-001	Wells	Jefferson	0.164%	0.164%	0.000%	1341 County Road 19	Mingo Junction	OH	43938	None

Exhibit A

All Mineral Owners in the proposed Pearl N WEL JF Unit.

Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
19	UTC022405000	Scott E. Starr and wife, Elizabeth A. Starr, as survivorship tenants	Yes	1.000	0.077	0.018%	50-00533-000	Wells	Jefferson	0.018%	0.018%	0.000%	1399 County Road 19	Mingo Junction	OH	43938	None
20	UTC026516000	Dean Charles Fellows and wife Brandy Fellows, as survivorship tenants	Yes	1.000	0.005	0.001%	50-01537-000	Wells	Jefferson	0.001%	0.001%	0.000%	1299 County Road 19	Mingo Junction	OH	43938	None
21	UTC022405000	Scott E. Starr and wife, Elizabeth A. Starr, as survivorship tenants	Yes	1.000	1.987	0.456%	04-03229-000	Cross Creek	Jefferson	0.456%	0.456%	0.000%	1399 County Road 19	Mingo Junction	OH	43938	None
22	UTC017670000	Deborah A. DiFilippo	Yes	1.000	1.212	0.278%	04-03346-000	Cross Creek	Jefferson	0.278%	0.278%	0.000%	1497 County Road 19	Mingo Junction	OH	43938	None
23	UTC026585000	Tammy Jo Young	Yes	1.000	1.310	0.300%	04-03384-000	Cross Creek	Jefferson	0.300%	0.300%	0.000%	38 Hannah Avenue	Adena	OH	43901	Updated mineral owner address
24	UTC017872000	Lawrence W. Horner, Sr. and wife, Wanda E. Horner, as survivorship tenants	Yes	1.000	2.292	0.526%	04-03383-000	Cross Creek	Jefferson	0.526%	0.526%	0.000%	1559 County Road 19	Mingo Junction	OH	43938	None
25	Unleased Mineral Interest	Suc Belon	No	1.000	1.210	0.278%	04-03386-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	1595 County Road 19	Mingo Junction	OH	43938	None
26	UTC024263000	Paul J. Clark	Yes	1.000	1.106	0.254%	04-03388-000	Cross Creek	Jefferson	0.254%	0.254%	0.000%	1623 County Road 19	Mingo Junction	OH	43938	None
27	Unleased Mineral Interest	Cathy Head	No	1.000	3.529	0.809%	04-03387-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	1645 County Road 19	Mingo Junction	OH	43938	None
28	UTC012829000	Ascent Utica Minerals, LLC	Yes	0.500	0.101	0.023%	04-03420-000	Cross Creek	Jefferson	0.023%	0.023%	0.000%	Attn: Mike McLaughlin 3501 NW 63rd Street	Oklahoma City	OK	73116	None
28	UTC021218000	Ridgetop Appalachia, LLC	Yes	0.325	0.066	0.015%	04-03420-000	Cross Creek	Jefferson	0.015%	0.015%	0.000%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
28	UTC022557000	Polish Historical Society, Inc.	Yes	0.050	0.010	0.002%	04-03420-000	Cross Creek	Jefferson	0.002%	0.002%	0.000%	Attn: Irene Nasaduke, President 1150 Summer Street	Stamford	CT	06905	None
28	Competitor Leased	Ridgetop Appalachia, LLC	Yes	0.100	0.020	0.005%	04-03420-000	Cross Creek	Jefferson	0.005%	0.000%	0.005%	Attn: Bradley Carpenter, Managing Member 380 Southpointe Boulevard, Plaza II, Suite 300	Canonsburg	PA	15317	None
28	Unleased Mineral Interest	All Children's Hospital Foundation, Inc.	No	0.006	0.001	0.0003%	04-03420-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Lydia Bailey, CFRE 500 Seventh Avenue South	Saint Petersburg	FL	33701	Expanded Decimals
28	Unleased Mineral Interest	Gulf Coast Community Foundation of Venice, Inc.	No	0.006	0.001	0.0003%	04-03420-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Chris Stobaugh, CFO 601 Tamiami Trail South	Venice	FL	34285	Expanded Decimals
28	Unleased Mineral Interest	The Chapin School, LTD, HTTA Chaplin School, LTD	No	0.013	0.003	0.001%	04-03420-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Patty Foster, CFO 100 East End Avenue	New York	NY	10028	Updated mineral owner contact
29	UTC017259000	Raymond L. Long, Life Estate Reretta Long, Remainderman	Yes	1.000	0.128	0.029%	04-03197-000	Cross Creek	Jefferson	0.029%	0.029%	0.000%	1640 County Road 19	Mingo Junction	OH	43938	None
30	UTC017259000	Raymond L. Long, Life Estate Reretta Long, Remainderman	Yes	1.000	0.339	0.078%	04-03196-000	Cross Creek	Jefferson	0.078%	0.078%	0.000%	1640 County Road 19	Mingo Junction	OH	43938	None
31	UTC021084000	James E. Wood, Sr. and wife, Anna Wood, as survivorship tenants	Yes	1.000	0.523	0.120%	04-03333-000	Cross Creek	Jefferson	0.120%	0.120%	0.000%	111 Lincoln Avenue	Pleasantville	OH	43148	None
32	UTC021084000	James E. Wood, Sr. and wife, Anna Wood, as survivorship tenants	Yes	1.000	0.633	0.145%	04-03332-000	Cross Creek	Jefferson	0.145%	0.145%	0.000%	111 Lincoln Avenue	Pleasantville	OH	43148	None
33	PENDING	Glenna S. Stevens	Yes	1.000	0.287	0.066%	04-03369-000	Cross Creek	Jefferson	0.066%	0.066%	0.000%	55499 Trough Run Road	Bellaire	OH	43906	Updated leased status
34	UTC011501000	Bernardus C. Batenburg, Jr. and wife, Kathy J. Batenburg, as survivorship tenants	Yes	1.000	0.812	0.186%	04-03330-000	Cross Creek	Jefferson	0.186%	0.186%	0.000%	1107 Township Road 152	Rayland	OH	43943	None
35	UTC011501000	Bernardus C. Batenburg, Jr. and wife, Kathy J. Batenburg, as survivorship tenants	Yes	1.000	0.641	0.147%	04-03329-000	Cross Creek	Jefferson	0.147%	0.147%	0.000%	1107 Township Road 152	Rayland	OH	43943	None
36	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.609	0.140%	04-03328-000	Cross Creek	Jefferson	0.140%	0.140%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
37	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.578	0.133%	04-03327-000	Cross Creek	Jefferson	0.133%	0.133%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
38	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.874	0.200%	04-03326-000	Cross Creek	Jefferson	0.200%	0.200%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
39	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.641	0.147%	04-03325-000	Cross Creek	Jefferson	0.147%	0.147%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
40	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.621	0.142%	04-03194-000	Cross Creek	Jefferson	0.142%	0.142%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
41	PENDING	Kristi L. Kirkpatrick and husband, Christopher R. Kirkpatrick, as survivorship tenants	Yes	1.000	0.601	0.138%	04-03193-000	Cross Creek	Jefferson	0.138%	0.138%	0.000%	1560 County Road 19	Mingo Junction	OH	43938	None
42	PENDING	James J. Lucas	Yes	1.000	0.580	0.133%	04-03192-000	Cross Creek	Jefferson	0.133%	0.133%	0.000%	1528 County Road 19	Mingo Junction	OH	43938	None
43	PENDING	James J. Lucas	Yes	1.000	0.570	0.131%	04-03191-000	Cross Creek	Jefferson	0.131%	0.131%	0.000%	1528 County Road 19	Mingo Junction	OH	43938	None
44	PENDING	James J. Lucas	Yes	1.000	0.537	0.123%	04-03190-000	Cross Creek	Jefferson	0.123%	0.123%	0.000%	1528 County Road 19	Mingo Junction	OH	43938	None
45	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.651	0.149%	04-03307-000	Cross Creek	Jefferson	0.149%	0.149%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
46	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.514	0.118%	04-03306-000	Cross Creek	Jefferson	0.118%	0.118%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status

Exhibit A

All Mineral Owners in the proposed Pearl N WEL JF Unit.

Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
46	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.517	0.116%	04-03305-000	Cross Creek	Jefferson	0.116%	0.116%	0.000%	Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
47	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.504	0.116%	04-03305-000	Cross Creek	Jefferson	0.116%	0.116%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
48	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.905	0.208%	04-03291-000	Cross Creek	Jefferson	0.208%	0.208%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
49	PENDING	Gregory A. Singleton and wife, Kristal Singleton	Yes	1.000	0.240	0.055%	04-03290-000	Cross Creek	Jefferson	0.055%	0.055%	0.000%	1438 County Road 19	Mingo Junction	OH	43938	None
50	PENDING	Gregory A. Singleton and wife, Kristal Singleton	Yes	1.000	0.012	0.003%	04-03289-000	Cross Creek	Jefferson	0.003%	0.003%	0.000%	1438 County Road 19	Mingo Junction	OH	43938	None
51	PENDING	David S. Reed	Yes	1.000	0.047	0.011%	04-03260-000	Cross Creek	Jefferson	0.011%	0.011%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
52	PENDING	David S. Reed	Yes	1.000	0.528	0.121%	04-03261-000	Cross Creek	Jefferson	0.121%	0.121%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
53	PENDING	David S. Reed	Yes	1.000	0.665	0.153%	04-03262-000	Cross Creek	Jefferson	0.153%	0.153%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
54	UTC032706000	Joseph T. Reed	Yes	1.000	0.670	0.154%	04-03165-000	Cross Creek	Jefferson	0.154%	0.154%	0.000%	3654 County Road 15	Rayland	OH	43943	None
55	UTC032706000	Joseph T. Reed	Yes	1.000	0.736	0.169%	04-03166-000	Cross Creek	Jefferson	0.169%	0.169%	0.000%	3654 County Road 15	Rayland	OH	43943	None
56	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.742	0.170%	04-03300-000	Cross Creek	Jefferson	0.170%	0.170%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
57	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.755	0.173%	04-03301-000	Cross Creek	Jefferson	0.173%	0.173%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
58	PENDING	The Behrens Family Trust dated December 4, 2018, by William J. Behrens and Marilyn F. Behrens, Co-Trustees	Yes	1.000	0.629	0.144%	04-03302-000	Cross Creek	Jefferson	0.144%	0.144%	0.000%	Attn: William J. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
													Attn: Marilyn F. Behrens, Co-Trustee 1492 County Road 19	Mingo Junction	OH	43938	Updated leased status
59	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.634	0.145%	04-03252-000	Cross Creek	Jefferson	0.145%	0.145%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
60	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.630	0.145%	04-03253-000	Cross Creek	Jefferson	0.145%	0.145%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
61	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.626	0.144%	04-03254-000	Cross Creek	Jefferson	0.144%	0.144%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
62	PENDING	William J. Vanzin and wife, Janet E. Vanzin, as survivorship tenants	Yes	1.000	0.622	0.143%	04-03227-000	Cross Creek	Jefferson	0.143%	0.143%	0.000%	100 Concord Drive	East Palestine	OH	44413	None
63	PENDING	William J. Vanzin and wife, Janet E. Vanzin, as survivorship tenants	Yes	1.000	0.620	0.142%	04-03228-000	Cross Creek	Jefferson	0.142%	0.142%	0.000%	100 Concord Drive	East Palestine	OH	44413	None
64	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.619	0.142%	04-03167-000	Cross Creek	Jefferson	0.142%	0.142%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
65	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.615	0.141%	04-03168-000	Cross Creek	Jefferson	0.141%	0.141%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
66	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.568	0.130%	04-03241-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
67	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.359	0.082%	04-03242-000	Cross Creek	Jefferson	0.082%	0.082%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
68	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.139	0.032%	04-03243-000	Cross Creek	Jefferson	0.032%	0.032%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None
69	UTC020529000	Mularcik Enterprises LLC	Yes	1.000	0.261	0.060%	04-03164-000	Cross Creek	Jefferson	0.060%	0.060%	0.000%	Attn: Tracey L. Westfall, Managing Member 7257 Smithville Road	Harrisville	WV	26362	None

Exhibit A

All Mineral Owners in the proposed Pearl N WEL JF Unit.

Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
70	PENDING	William J. Vanzin and wife, Janet E. Vanzin, as survivorship tenants	Yes	1.000	0.047	0.011%	04-03226-000	Cross Creek	Jefferson	0.011%	0.011%	0.000%	100 Conord Drive	East Palestine	OH	44413	None
71	UTC032706000	Joseph T. Reed	Yes	1.000	0.307	0.070%	04-03163-000	Cross Creek	Jefferson	0.070%	0.070%	0.000%	3654 County Road 15	Rayland	OH	43943	None
72	Unleased Mineral Interest	The Unknown Heirs of D. Grear Crouch, deceased	No	1.000	0.230	0.053%	04-00000-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
73	PENDING	David S. Reed	Yes	1.000	0.453	0.104%	04-03259-000	Cross Creek	Jefferson	0.104%	0.104%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
74	PENDING	David S. Reed	Yes	1.000	0.017	0.004%	05-03543-000	Cross Creek	Jefferson	0.004%	0.004%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
75	PENDING	David S. Reed	Yes	1.000	0.024	0.006%	05-03542-000	Cross Creek	Jefferson	0.006%	0.006%	0.000%	3121 Border Creek Road	Crestview	FL	32539	None
76	PENDING	Golden Eagle Resources II, LLC	Yes	1.000	0.598	0.137%	05-03631-000	Cross Creek	Jefferson	0.137%	0.137%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated leased status and mineral owner address
77	PENDING	Golden Eagle Resources II, LLC	Yes	1.000	80.250	18.407%	04-03347-000	Cross Creek	Jefferson	18.407%	18.407%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated leased status and mineral owner address
78	PENDING	Golden Eagle Resources II, LLC	Yes	1.000	0.002	0.0005%	04-03355-000	Cross Creek	Jefferson	0.0005%	0.0005%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated leased status and mineral owner address, Expanded Decimals
79	PENDING	Golden Eagle Resources II, LLC	Yes	1.000	33.595	7.706%	04-03354-000	Cross Creek	Jefferson	7.706%	7.706%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated leased status and mineral owner address
80	PENDING	Lyda Grimes	Yes	0.556	3.724	0.854%	03-01161-000	Cross Creek	Jefferson	0.854%	0.854%	0.000%	2197 Pinebrook Trail	Cuyahoga Falls	OH	44223	Updated leased status
80	UTC015535000	Golden Eagle Resources II-C, LLC	Yes	0.222	1.490	0.342%	03-01161-000	Cross Creek	Jefferson	0.342%	0.342%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated mineral owner address
80	UTC032820001	Linda Nelson aka Linda Darlene Nelson	Yes	0.222	1.490	0.342%	03-01161-000	Cross Creek	Jefferson	0.342%	0.342%	0.000%	1131 Douglas Road	Gray Court	SC	29645	None
81	PENDING	Lyda Grimes	Yes	0.556	10.114	2.320%	03-01162-001	Cross Creek	Jefferson	2.320%	2.320%	0.000%	2197 Pinebrook Trail	Cuyahoga Falls	OH	44223	Updated leased status
81	UTC015535000	Golden Eagle Resources II-C, LLC	Yes	0.222	4.046	0.928%	03-01162-001	Cross Creek	Jefferson	0.928%	0.928%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated mineral owner address
81	UTC032820001	Linda Nelson aka Linda Darlene Nelson	Yes	0.222	4.046	0.928%	03-01162-001	Cross Creek	Jefferson	0.928%	0.928%	0.000%	1131 Douglas Road	Gray Court	SC	29645	None
82	PENDING	The 2015 John and Roxie Wetherell Irrevocable Trust, dated November 3, 2015, by John E. Wetherell and Roxie M. Wetherell, Trustees	Yes	0.333	0.565	0.130%	03-02812-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: John E. Wetherell, Trustee 301 County Road 19	Mingo Junction	OH	43938	None
82	PENDING	The Wetherell Family Trust, dated February 2, 2023, by Joyce K. Wetherell and Duayne A. Wetherell, Co-Trustees	Yes	0.333	0.565	0.130%	03-02812-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: Roxie M. Wetherell, Trustee 301 County Road 19	Mingo Junction	OH	43938	None
82	PENDING	The JR & PS Wetherell Family Limited Partnership	Yes	0.333	0.565	0.130%	03-02812-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: Joyce K. Wetherell, Co-Trustee 76 Township Road 164	Mingo Junction	OH	43938	None
82	PENDING	The JR & PS Wetherell Family Limited Partnership	Yes	0.333	0.565	0.130%	03-02812-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: Duayne A. Wetherell, Co-Trustee 76 Township Road 164	Mingo Junction	OH	43938	None
82	PENDING	The JR & PS Wetherell Family Limited Partnership	Yes	0.333	0.565	0.130%	03-02812-000	Cross Creek	Jefferson	0.130%	0.130%	0.000%	Attn: Patricia S. Wetherell, General Partner 410 County Road 19	Mingo Junction	OH	43938	None
83	Unleased Mineral Interest	Jefferson County Land Reutilization Corporation	No	1.000	1.068	0.245%	03-00952-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Raymond Agresta, Chairman of the Board 301 Market Street	Steubenville	OH	43952	None
84	PENDING	Kevin M. Grimes and wife, Sandra J. Grimes, as survivorship tenants	Yes	1.000	0.028	0.006%	03-01576-001	Cross Creek	Jefferson	0.006%	0.006%	0.000%	889 Scott Featner Road	Mingo Junction	OH	43938	None
85	PENDING	Kevin M. Grimes and wife, Sandra J. Grimes, as survivorship tenants	Yes	1.000	0.372	0.085%	03-01576-000	Cross Creek	Jefferson	0.085%	0.085%	0.000%	889 Scott Featner Road	Mingo Junction	OH	43938	None
86	UTC030515001	Wolf Run Land 2 LLC	Yes	0.556	0.496	0.114%	03-02400-000	Cross Creek	Jefferson	0.114%	0.114%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
86	Unleased Mineral Interest	Wolf Run Land 2 LLC	No	0.222	0.198	0.046%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
86	Unleased Mineral Interest	Evelyn Richmond Russell	No	0.056	0.050	0.011%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
86	Unleased Mineral Interest	Millie Russell	No	0.056	0.050	0.011%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
86	PENDING	Wayne A. Stanfill, Jr.	Yes	0.014	0.012	0.003%	03-02400-000	Cross Creek	Jefferson	0.003%	0.003%	0.000%	P.O. Box 269	Cave Creek	AZ	85327	None
86	Unleased Mineral Interest	Desiree E. Valenzuela	No	0.014	0.012	0.003%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	P.O. Box 189	Cornville	AZ	86325	None
86	Unleased Mineral Interest	Loree Smith	No	0.028	0.025	0.006%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	25525 Pappas Road	Ramona	CA	92065	None
86	Unleased Mineral Interest	William J. Milewsky	No	0.009	0.008	0.002%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	200 Harvard Avenue	Steubenville	OH	43952	None
86	Unleased Mineral Interest	Mary Lou Lee	No	0.009	0.008	0.002%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	53A Kendall Road	Lexington	MA	02421	None
86	Unleased Mineral Interest	Barbara Ann Baker	No	0.009	0.008	0.002%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	3667 Osprey Lane	Powell	OH	43065	None
86	Unleased Mineral Interest	Rosemary Ferris	No	0.009	0.008	0.002%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	2311 Alexander Manor West	Steubenville	OH	43952	None
86	Unleased Mineral Interest	Carol Werkin	No	0.009	0.008	0.002%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	329 Fallriver Drive	Reynoldsburg	OH	43068	None
86	Unleased Mineral Interest	Kimberley Edwards	No	0.005	0.004	0.001%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	386 Rosemont Avenue	Steubenville	OH	43952	None

Exhibit A

All Mineral Owners in the proposed Pearl N WEL JF Unit.

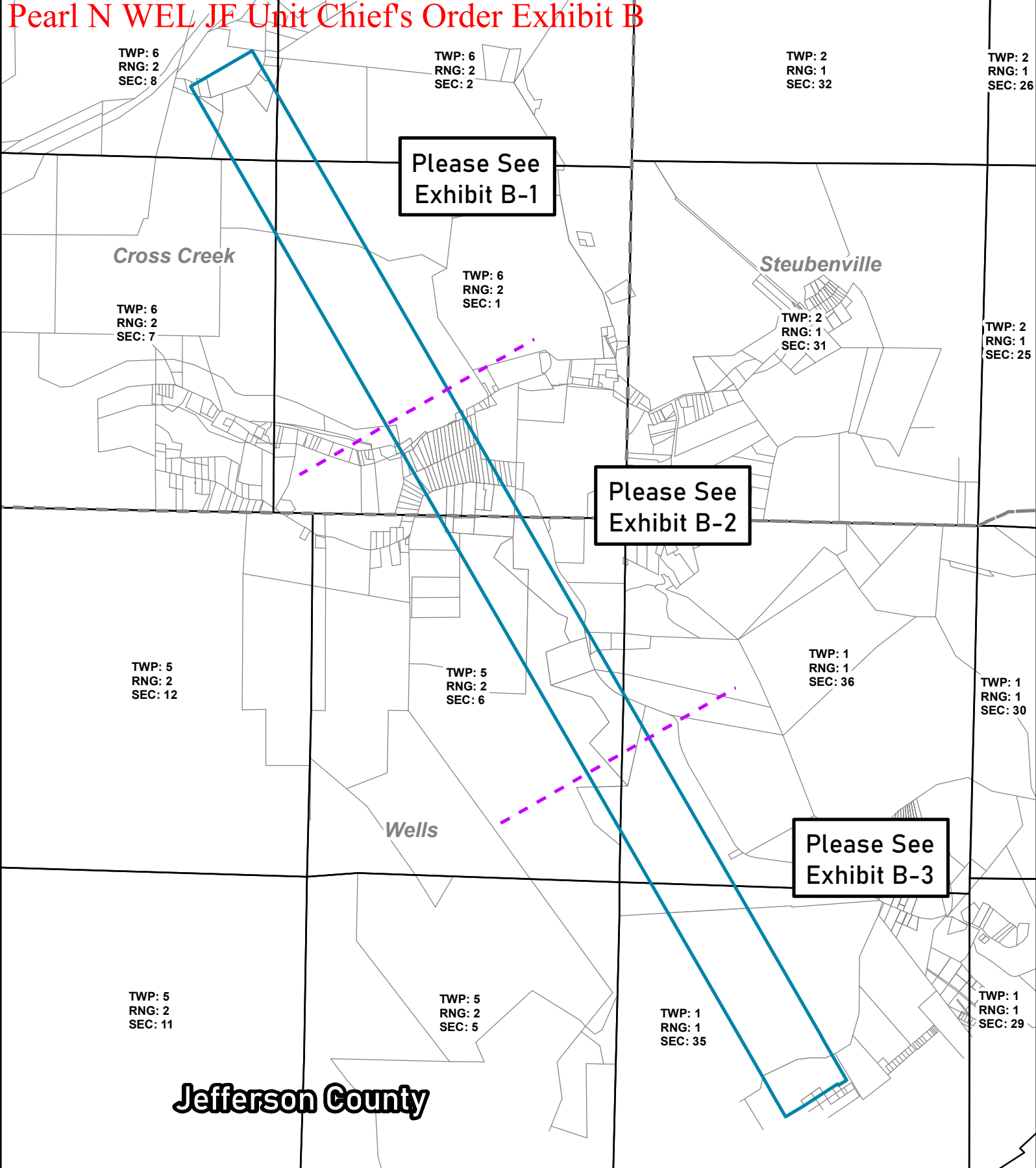
Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
86	Unleased Mineral Interest	Rose Thomas	No	0.005	0.004	0.001%	03-02400-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	227 Elaine Street	Steubenville	OH	43952	None
87	PENDING	Lyda Grimes	Yes	0.556	3.858	0.885%	03-01162-000	Cross Creek	Jefferson	0.885%	0.885%	0.000%	2197 Pinebrook Trail	Cuyahoga Falls	OH	44223	Updated leased status
87	UTC015535000	Golden Eagle Resources II-C, LLC	Yes	0.222	1.543	0.354%	03-01162-000	Cross Creek	Jefferson	0.354%	0.354%	0.000%	Attn: Michael Faust, Member 1401 McKinney Street, Suite 900	Houston	TX	77010	Updated mineral owner address
87	UTC032820001	Linda Nelson aka Linda Darlene Nelson	Yes	0.222	1.543	0.354%	03-01162-000	Cross Creek	Jefferson	0.354%	0.354%	0.000%	1131 Douglas Road	Gray Court	SC	29645	None
88	Unleased Mineral Interest	David Orban	No	0.111	0.300	0.069%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	652 Scott Featner Road	Mingo Junction	OH	43938	None
88	UTC030515001	Wolf Run Land 2 LLC	Yes	0.444	1.201	0.276%	03-00953-000	Cross Creek	Jefferson	0.276%	0.276%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
88	Unleased Mineral Interest	Wolf Run Land 2 LLC	No	0.222	0.601	0.138%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
88	Unleased Mineral Interest	Evelyn Richmond Russell	No	0.056	0.150	0.034%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
88	Unleased Mineral Interest	Millic Russell	No	0.056	0.150	0.034%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
88	PENDING	Wayne A. Stanfill, Jr.	Yes	0.014	0.038	0.009%	03-00953-000	Cross Creek	Jefferson	0.009%	0.009%	0.000%	P.O. Box 269	Cave Creek	AZ	85327	Updated leased status
88	Unleased Mineral Interest	Desiree E. Valenzuela	No	0.014	0.038	0.009%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	P.O. Box 189	Cornville	AZ	86325	None
88	Unleased Mineral Interest	Loree Smith	No	0.028	0.075	0.017%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	25525 Pappas Road	Ramona	CA	92065	None
88	Unleased Mineral Interest	William J. Milewsky	No	0.009	0.025	0.006%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	200 Harvard Avenue	Steubenville	OH	43952	None
88	Unleased Mineral Interest	Mary Lou Lee	No	0.009	0.025	0.006%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	53A Kendall Road	Lexington	MA	02421	None
88	Unleased Mineral Interest	Barbara Ann Baker	No	0.009	0.025	0.006%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	3667 Osprey Lane	Powell	OH	43065	None
88	Unleased Mineral Interest	Rosemary Ferris	No	0.009	0.025	0.006%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	2311 Alexander Manor West	Steubenville	OH	43952	None
88	Unleased Mineral Interest	Carol Werkin	No	0.009	0.025	0.006%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	329 Fallriver Drive	Reynoldsburg	OH	43068	None
88	Unleased Mineral Interest	Kimberley Edwards	No	0.005	0.013	0.003%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	386 Rosemont Avenue	Steubenville	OH	43952	None
88	Unleased Mineral Interest	Rose Thomas	No	0.005	0.013	0.003%	03-00953-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	227 Elaine Street	Steubenville	OH	43952	None
89	Unleased Mineral Interest	Keith R. Jarman and wife, Mandy J. Jarman, as survivorship tenants	No	0.111	0.030	0.007%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	620 Scott Featner Road	Mingo Junction	OH	43938	None
89	UTC030515001	Wolf Run Land 2 LLC	Yes	0.444	0.121	0.028%	03-00958-000	Cross Creek	Jefferson	0.028%	0.028%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
89	Unleased Mineral Interest	Wolf Run Land 2 LLC	No	0.222	0.061	0.014%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
89	Unleased Mineral Interest	Evelyn Richmond Russell	No	0.056	0.015	0.003%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
89	Unleased Mineral Interest	Millic Russell	No	0.056	0.015	0.003%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	None
89	PENDING	Wayne A. Stanfill, Jr.	Yes	0.014	0.004	0.001%	03-00958-000	Cross Creek	Jefferson	0.001%	0.001%	0.000%	P.O. Box 269	Cave Creek	AZ	85327	Updated leased status
89	Unleased Mineral Interest	Desiree E. Valenzuela	No	0.014	0.004	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	P.O. Box 189	Cornville	AZ	86325	None
89	Unleased Mineral Interest	Loree Smith	No	0.028	0.008	0.002%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	25525 Pappas Road	Ramona	CA	92065	None
89	Unleased Mineral Interest	William J. Milewsky	No	0.009	0.003	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	200 Harvard Avenue	Steubenville	OH	43952	None
89	Unleased Mineral Interest	Mary Lou Lee	No	0.009	0.003	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	53A Kendall Road	Lexington	MA	02421	None
89	Unleased Mineral Interest	Barbara Ann Baker	No	0.009	0.003	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	3667 Osprey Lane	Powell	OH	43065	None
89	Unleased Mineral Interest	Rosemary Ferris	No	0.009	0.003	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	2311 Alexander Manor West	Steubenville	OH	43952	None
89	Unleased Mineral Interest	Carol Werkin	No	0.009	0.003	0.001%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	329 Fallriver Drive	Reynoldsburg	OH	43068	None
89	Unleased Mineral Interest	Kimberley Edwards	No	0.005	0.001	0.0003%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	386 Rosemont Avenue	Steubenville	OH	43952	Expanded Decimals
89	Unleased Mineral Interest	Rose Thomas	No	0.005	0.001	0.0003%	03-00958-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	227 Elaine Street	Steubenville	OH	43952	Expanded Decimals
90	UTC030515001	Wolf Run Land 2 LLC	Yes	0.556	0.017	0.004%	03-00180-000	Cross Creek	Jefferson	0.004%	0.004%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None

Exhibit A

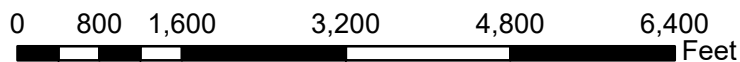
All Mineral Owners in the proposed Pearl N WEL JF Unit.

Tract Number	Lease ID Number	Mineral Owner	Leased Yes or No	Decimal Interest in Tract	Surface Acres in Unit	Tract Participation in Unit	Tax Map Parcel ID	Township	County	Consenting Working Interest Percentage	Applicant Working Interest Percentage	Roaring Fork Royalties, LLC Working Interest Percentage	Address	City	State	Zip	Changes
90	Unleased Mineral Interest	Wolf Run Land 2 LLC	No	0.222	0.007	0.002%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Attn: Stephen Repella, Managing Member PO Box 1451	Steubenville	OH	43952	None
90	Unleased Mineral Interest	Evelyn Richmond Russell	No	0.056	0.002	0.0004%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	Expanded Decimals
90	Unleased Mineral Interest	Millie Russell	No	0.056	0.002	0.0004%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	Unknown	Unknown	Unknown	Unknown	Expanded Decimals
90	PENDING	Wayne A. Stanfill, Jr.	Yes	0.014	0.0004	0.0001%	03-00180-000	Cross Creek	Jefferson	0.0001%	0.0001%	0.000%	P.O. Box 269	Cave Creek	AZ	85327	Updated leased status, Expanded Decimals
90	Unleased Mineral Interest	Desiree E. Valenzuela	No	0.014	0.0004	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	P.O. Box 189	Cornville	AZ	86325	Expanded Decimals
90	Unleased Mineral Interest	Loree Smith	No	0.028	0.001	0.0002%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	25525 Pappas Road	Ramona	CA	92065	Expanded Decimals
90	Unleased Mineral Interest	William J. Milewsky	No	0.009	0.0003	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	200 Harvard Avenue	Steubenville	OH	43952	Expanded Decimals
90	Unleased Mineral Interest	Mary Lou Lee	No	0.009	0.0003	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	53A Kendall Road	Lexington	MA	02421	Expanded Decimals
90	Unleased Mineral Interest	Barbara Ann Baker	No	0.009	0.0003	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	3667 Osprey Lane	Powell	OH	43065	Expanded Decimals
90	Unleased Mineral Interest	Rosemary Ferris	No	0.009	0.0003	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	2311 Alexander Manor West	Steubenville	OH	43952	Expanded Decimals
90	Unleased Mineral Interest	Carol Werkin	No	0.009	0.0003	0.0001%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	329 Fallriver Drive	Reynoldsburg	OH	43068	Expanded Decimals
90	Unleased Mineral Interest	Kimberley Edwards	No	0.005	0.0001	0.00003%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	386 Rosemont Avenue	Steubenville	OH	43952	Expanded Decimals
90	Unleased Mineral Interest	Rose Thomas	No	0.005	0.0001	0.00003%	03-00180-000	Cross Creek	Jefferson	0.000%	0.000%	0.000%	227 Elaine Street	Steubenville	OH	43952	Expanded Decimals
Total Unit Acres:					435.982	100.000%						Total:	97.662%	86.358%	11.304%		
Total Consenting Acres:					425.791												

Pearl N WEL JF Unit Chief's Order Exhibit B



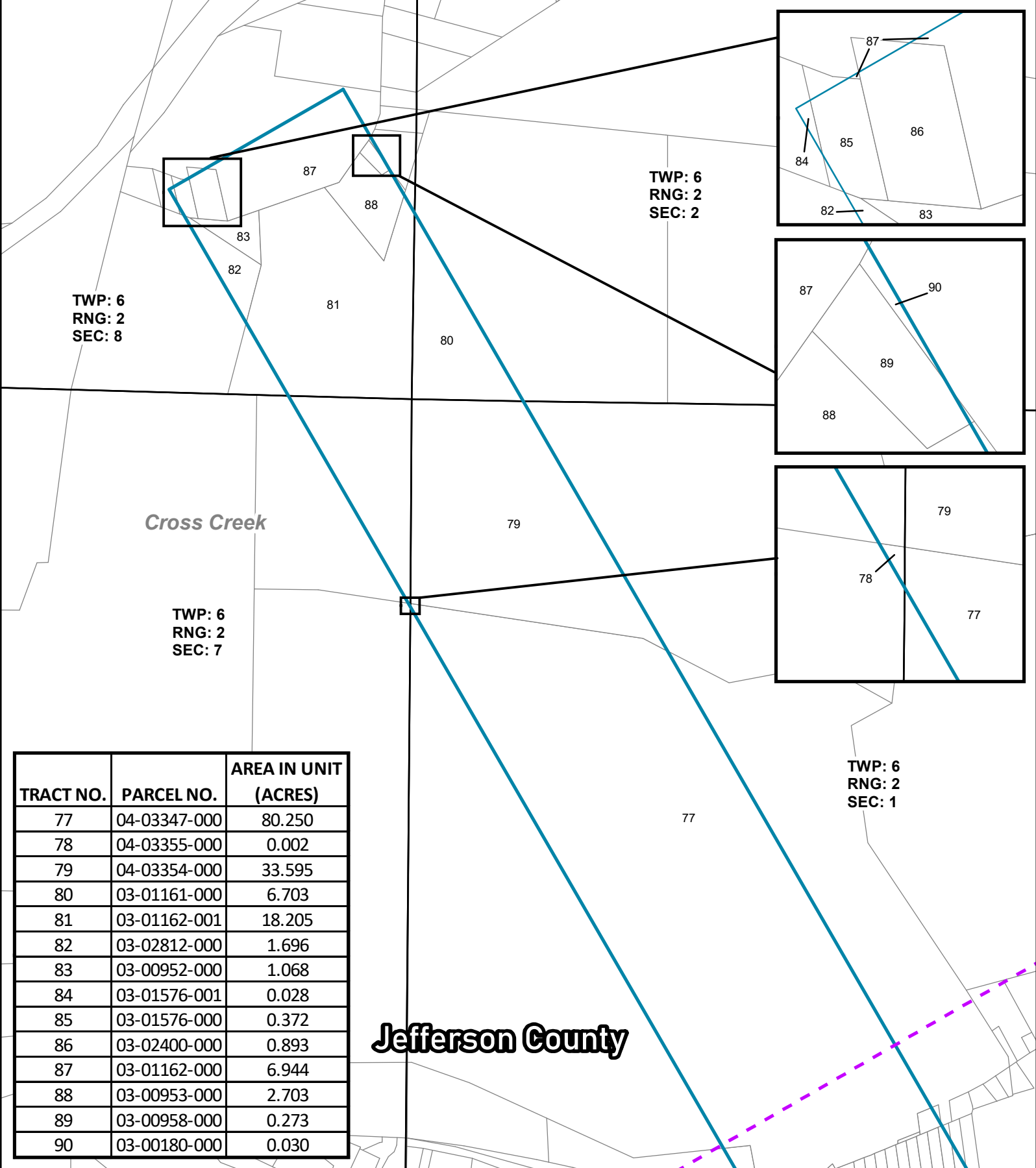
PEARL N WEL JF EXHIBIT B: Well Plat



1 INCH = 1,600 ft.



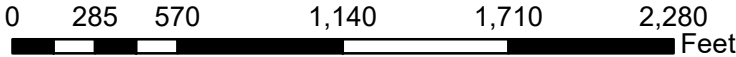
- Pearl N WEL JF Unit - 435.982 Ac.
- Municipal Townships
- PLSS Section
- Tax Parcels
- County Boundaries



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
77	04-03347-000	80.250
78	04-03355-000	0.002
79	04-03354-000	33.595
80	03-01161-000	6.703
81	03-01162-001	18.205
82	03-02812-000	1.696
83	03-00952-000	1.068
84	03-01576-001	0.028
85	03-01576-000	0.372
86	03-02400-000	0.893
87	03-01162-000	6.944
88	03-00953-000	2.703
89	03-00958-000	0.273
90	03-00180-000	0.030

Jefferson County

PEARL N WEL JF EXHIBIT B-1: Well Plat



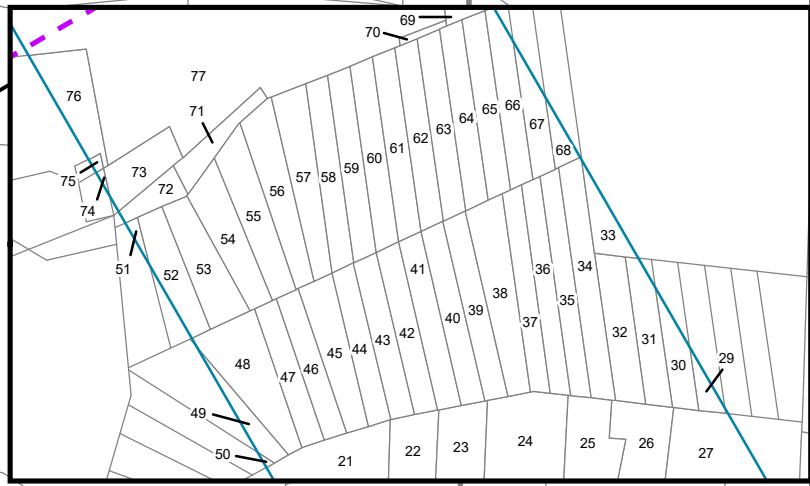
1 INCH = 570 ft.



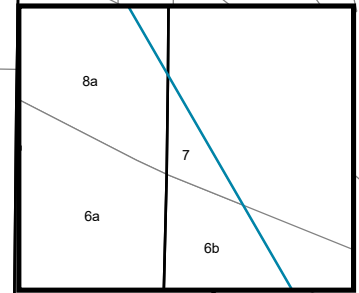
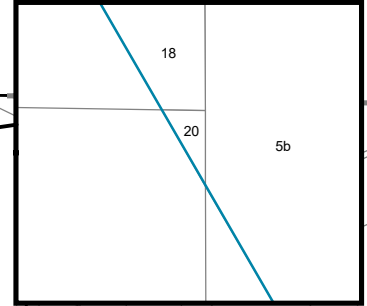
NAD 1927 StatePlane Ohio South FIPS 3402

- Pearl N WEL JF Unit - 435.982 Ac.
- Municipal Townships
- PLSS Section
- Tax Parcels
- County Boundaries

TWP: 6
RNG: 2
SEC: 1



Cross Creek



Jefferson County

Wells

TWP: 5
RNG: 2
SEC: 6

TWP: 1
RNG: 1
SEC: 36

PEARL N WEL JF EXHIBIT B-2: Well Plat

0 265 530 1,060 1,590 2,120 Feet

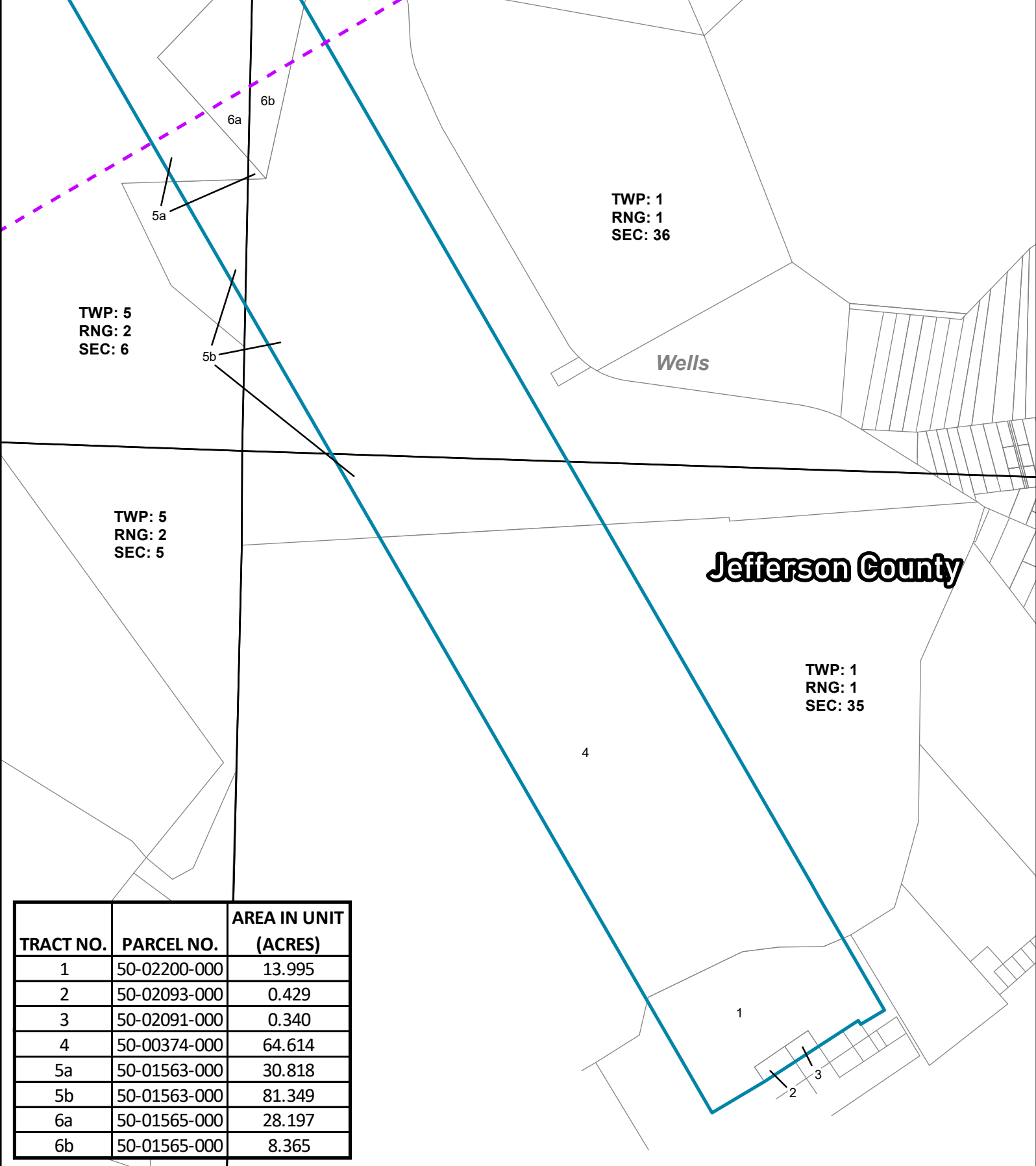
1 INCH = 530 ft.

- Pearl N WEL JF Unit - 435.982 Ac.
- Municipal Townships
- PLSS Section
- Tax Parcels
- County Boundaries



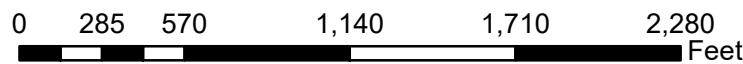
EXHIBIT B-2 UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
5a	50-01563-000	30.818
5b	50-01563-000	81.349
6a	50-01565-000	28.197
6b	50-01565-000	8.365
7	50-00835-000	0.016
8a	50-00846-000	1.515
8b	50-00846-000	1.252
9	50-01566-000	7.556
10	50-00749-000	0.389
11	50-01539-000	0.297
12	50-01539-003	0.055
13	50-00368-000	3.919
14	50-01277-000	1.689
15	50-01276-000	0.126
16	50-01275-000	0.083
17	50-01008-000	0.629
18	50-01537-001	0.716
19	50-00533-000	0.077
20	50-01537-000	0.005
21	04-03229-000	1.987
22	04-03346-000	1.212
23	04-03384-000	1.310
24	04-03383-000	2.292
25	04-03386-000	1.210
26	04-03388-000	1.106
27	04-03387-000	3.529
28	04-03420-000	0.202
29	04-03197-000	0.128
30	04-03196-000	0.339
31	04-03333-000	0.523
32	04-03332-000	0.633
33	04-03369-000	0.287
34	04-03330-000	0.812
35	04-03329-000	0.641
36	04-03328-000	0.609
37	04-03327-000	0.578
38	04-03326-000	0.874
39	04-03325-000	0.641
40	04-03194-000	0.621
41	04-03193-000	0.601
42	04-03192-000	0.580
43	04-03191-000	0.570
44	04-03190-000	0.537
45	04-03307-000	0.651
46	04-03306-000	0.514
47	04-03305-000	0.504
48	04-03291-000	0.905
49	04-03290-000	0.240
50	04-03289-000	0.012
51	04-03260-000	0.047
52	04-03261-000	0.528
53	04-03262-000	0.665
54	04-03165-000	0.670
55	04-03166-000	0.736
56	04-03300-000	0.742
57	04-03301-000	0.755
58	04-03302-000	0.629
59	04-03252-000	0.634
60	04-03253-000	0.630
61	04-03254-000	0.626
62	04-03227-000	0.622
63	04-03228-000	0.620
64	04-03167-000	0.619
65	04-03168-000	0.615
66	04-03241-000	0.568
67	04-03242-000	0.359
68	04-03243-000	0.139
69	04-03164-000	0.261
70	04-03226-000	0.047
71	04-03163-000	0.307
72	04-00000-000	0.230
73	04-03259-000	0.453
74	05-03543-000	0.017
75	05-03542-000	0.024
76	05-03631-000	0.598
77	04-03347-000	80.250



TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)
1	50-02200-000	13.995
2	50-02093-000	0.429
3	50-02091-000	0.340
4	50-00374-000	64.614
5a	50-01563-000	30.818
5b	50-01563-000	81.349
6a	50-01565-000	28.197
6b	50-01565-000	8.365

PEARL N WEL JF EXHIBIT B-3: Well Plat



1 INCH = 570 ft.



NAD 1927 StatePlane Ohio South FIPS 3402

- Pearl N WEL JF Unit - 435.982 Ac.
- Municipal Townships
- PLSS Section
- Tax Parcels
- County Boundaries

MASTER UNIT PARCEL CHART:

TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)	EXHIBIT	TRACT NO.	PARCEL NO.	AREA IN UNIT (ACRES)	EXHIBIT
1	50-02200-000	13.995	B-3	45	04-03307-000	0.651	B-2
2	50-02093-000	0.429	B-3	46	04-03306-000	0.514	B-2
3	50-02091-000	0.340	B-3	47	04-03305-000	0.504	B-2
4	50-00374-000	64.614	B-3	48	04-03291-000	0.905	B-2
5a	50-01563-000	30.818	B-2/B-3	49	04-03290-000	0.240	B-2
5b	50-01563-000	81.349	B-2/B-3	50	04-03289-000	0.012	B-2
6a	50-01565-000	28.197	B-2/B-3	51	04-03260-000	0.047	B-2
6b	50-01565-000	8.365	B-2/B-3	52	04-03261-000	0.528	B-2
7	50-00835-000	0.016	B-2	53	04-03262-000	0.665	B-2
8a	50-00846-000	1.515	B-2	54	04-03165-000	0.670	B-2
8b	50-00846-000	1.252	B-2	55	04-03166-000	0.736	B-2
9	50-01566-000	7.556	B-2	56	04-03300-000	0.742	B-2
10	50-00749-000	0.389	B-2	57	04-03301-000	0.755	B-2
11	50-01539-000	0.297	B-2	58	04-03302-000	0.629	B-2
12	50-01539-003	0.055	B-2	59	04-03252-000	0.634	B-2
13	50-00368-000	3.919	B-2	60	04-03253-000	0.630	B-2
14	50-01277-000	1.689	B-2	61	04-03254-000	0.626	B-2
15	50-01276-000	0.126	B-2	62	04-03227-000	0.622	B-2
16	50-01275-000	0.083	B-2	63	04-03228-000	0.620	B-2
17	50-01008-000	0.629	B-2	64	04-03167-000	0.619	B-2
18	50-01537-001	0.716	B-2	65	04-03168-000	0.615	B-2
19	50-00533-000	0.077	B-2	66	04-03241-000	0.568	B-2
20	50-01537-000	0.005	B-2	67	04-03242-000	0.359	B-2
21	04-03229-000	1.987	B-2	68	04-03243-000	0.139	B-2
22	04-03346-000	1.212	B-2	69	04-03164-000	0.261	B-2
23	04-03384-000	1.310	B-2	70	04-03226-000	0.047	B-2
24	04-03383-000	2.292	B-2	71	04-03163-000	0.307	B-2
25	04-03386-000	1.210	B-2	72	04-00000-000	0.230	B-2
26	04-03388-000	1.106	B-2	73	04-03259-000	0.453	B-2
27	04-03387-000	3.529	B-2	74	05-03543-000	0.017	B-2
28	04-03420-000	0.202	B-2	75	05-03542-000	0.024	B-2
29	04-03197-000	0.128	B-2	76	05-03631-000	0.598	B-2
30	04-03196-000	0.339	B-2	77	04-03347-000	80.250	B-1/B-2
31	04-03333-000	0.523	B-2	78	04-03355-000	0.002	B-1
32	04-03332-000	0.633	B-2	79	04-03354-000	33.595	B-1
33	04-03369-000	0.287	B-2	80	03-01161-000	6.703	B-1
34	04-03330-000	0.812	B-2	81	03-01162-001	18.205	B-1
35	04-03329-000	0.641	B-2	82	03-02812-000	1.696	B-1
36	04-03328-000	0.609	B-2	83	03-00952-000	1.068	B-1
37	04-03327-000	0.578	B-2	84	03-01576-001	0.028	B-1
38	04-03326-000	0.874	B-2	85	03-01576-000	0.372	B-1
39	04-03325-000	0.641	B-2	86	03-02400-000	0.893	B-1
40	04-03194-000	0.621	B-2	87	03-01162-000	6.944	B-1
41	04-03193-000	0.601	B-2	88	03-00953-000	2.703	B-1
42	04-03192-000	0.580	B-2	89	03-00958-000	0.273	B-1
43	04-03191-000	0.570	B-2	90	03-00180-000	0.030	B-1
44	04-03190-000	0.537	B-2		TOTAL:	435.982	